provincia

Provincia di Treviso

comune

Comune di Ponzano Veneto

titolo progetto

Servizio di redazione del progetto definitivo, AMPLIAMENTO E DEMOLIZIONE DELLA SCUOLA SECONDARIA DI PRIMO GRADO GALILEO GALILEI - 1° LOTTO FUNZIONALE -AMPLIAMENTO.

committente

Comune di Ponzano Veneto

Via G.B. Cicogna
31050 Ponzano Veneto (TV)

progettista

bfA+
architettura design ingegneria

ing. Mauro Bellinzani
studio bfA+ architettura design ingegneria
via mons. P. Artico n. 25, 31046 Oderzo (TV)

fase progetto

PROGETTO DEFINITIVO

titolo elaborato

relazione Calcolo Strutture

Tavola

01.RSTR

revisione

A

VERIFICA DOCUMENTO

titolo progetto/job title

Servizio di redazione del progetto definitivo, AMPLIAMENTO E DEMOLIZIONE DELLA SCUOLA SECONDARIA DI PRIMO GRADO GALILEO GALILEI - 1° LOTTO FUNZIONALE -AMPLIAMENTO.

titolo elaborato/document title

relazione Calcolo Strutture

codice elaborato/document code

18_382_RSTR

file reference

01.RSTR.A _relazione Calcolo Strutture.doc

revisione/revision

A	2019/05/03	emissione	CO	MB	MB	MB	01.RSTR.A _relazione Calcolo Strutture.doc
rev.	data	modifica	richiesto	redatto	verificato	validato	file
rev.	date	modification	asked	prepared	checked	approved	file

bfA+ considers this document privileged, confidential and of great economical value.
Any dissemination, copy, re-transmission, divulgation to third party or to competitors all over the world or other use of it in full/partially is prohibited without prior consent of bfA+.

Provincia/district
Provincia di **TREVISO**

Comune/city

Comune di **PONZANO VENETO**

Titolo progetto/job title

SERVIZIO DI REDAZIONE DEL PROGETTO DEFINITIVO, AMPLIAMENTO E DEMOLIZIONE DELLA SCUOLA SECONDARIA DI PRIMO GRADO GALILEO GALILEI

Via Borgo Ruga 19, 31050 Ponzano Veneto (TV)

Fase progetto/design phase

PROGETTO ESECUTIVO

Titolo elaborato/documenttitle

RELAZIONE DI CALCOLO DELLE STRUTTURE

RELAZIONE SULLE FONDAZIONI

VALIDAZIONE DEI RISULTATI

Comittente/client

Comune di Ponzano Veneto
Via G.B. Cicogna, 31050 Ponzano Veneto (TV)

Progettista/design team

Ing. Mauro Bellinzani
Via Mons. Paride Artico 25, 31046 Oderzo (TV)
Ordine degli Ingegneri di Treviso nr. A2012

INDICE

1 INTRODUZIONE 4
1.1 Descrizione Generale dell'opera 4
1.1 Descrizione Strutturale 4
2 NORMATIVA DI RIFERIMENTO 7
3 GENERALITÀ SUL METODO DI CALCOLO E ANALISI 8
4 DURABILITA' 9
5 RELAZIONE SUI MATERIALI 10
5.1 Calcestruzzo per fondazioni 10
1.1 Calcestruzzo per setti 11
1.2 Acciaio per Cemento Armato 12
5.1 Legno 12
2 CARATTERISTICHE DEL SOTTOSUOLO 13
2.1 Categoria del sottosuolo 13
2.2 Caratteristiche meccaniche del sottosuolo 13
3 AZIONI DI PROGETTO 14
3.1 Azioni Permanenti 14
3.2 Azioni Variabile da neve 15
3.3 Azioni Variabile da vento 16
3.4 Azione Variabile da Sisma 16
4 COMBINAZIONE DELLE AZIONI 24
5 AZIONI NELLE VERIFICHE AGLI STATI LIMITE 25
5.1 Stati Limite Ultimi 25
5.2 Stati Limite di Esercizio 25
6 VERIFICA DELLE STRUTTURE DELLA SCUOLA 27
CARATTERISTICHE MATERIALI UTILIZZATI 28
MODELLAZIONE DELLE SEZIONI 29
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE 30
MODELLAZIONE STRUTTURA: ELEMENTI SHELL 44
MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO 46
MODELLAZIONE DELLE AZIONI 72
SCHEMATIZZAZIONE DEI CASI DI CARICO 76
DEFINIZIONE DELLE COMBINAZIONI 78
AZIONE SISMICA 82
RISULTATI ANALISI SISMICHE 83
VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A. 92
Legenda tabella verifiche elementi trave e/o pilastro in c.a. 92
STATI LIMITE D' ESERCIZIO 121
VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A. 146
RELAZIONE SULLE FONDAZIONI 152
7 VERIFICA DELLE STRUTTURE DELLA PALESTRA 153
CARATTERISTICHE MATERIALI UTILIZZATI 154
MODELLAZIONE DELLE SEZIONI 155
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE 156
MODELLAZIONE STRUTTURA: ELEMENTI SHELL 172

MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO 173
SCHEMATIZZAZIONE DEI CASI DI CARICO 184
DEFINIZIONE DELLE COMBINAZIONI 185
AZIONE SISMICA 189
RISULTATI ANALISI SISMICHE 189
VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A. 199
Legenda tabella verifiche elementi trave e/o pilastro in c.a. 199
VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A. 255
VERIFICHE S.L. ELEMENTI IN LEGNO 261
RELAZIONE SULLE FONDAZIONI 268
8 VALIDAZIONE DEI RISULTATI 269

1 INTRODUZIONE

La presente relazione riguarda il dimensionamento delle strutture per l'edificazione di un edificio scolastico nel Comune di Ponzano Veneto (TV), elenca la normativa di riferimento utilizzata, riporta i carichi permanenti ed accidentali, specifica le caratteristiche dei materiali, descrive le ipotesi di calcolo assunte nelle operazioni di progetto e dimostra le calcolazioni e le verifiche strutturali condotte. Le verifiche strutturali sono descritte, attraverso la rappresentazione degli schemi statici di calcolo e la verifica delle sezioni caratteristiche.

1.1 Descrizione Generale dell'opera

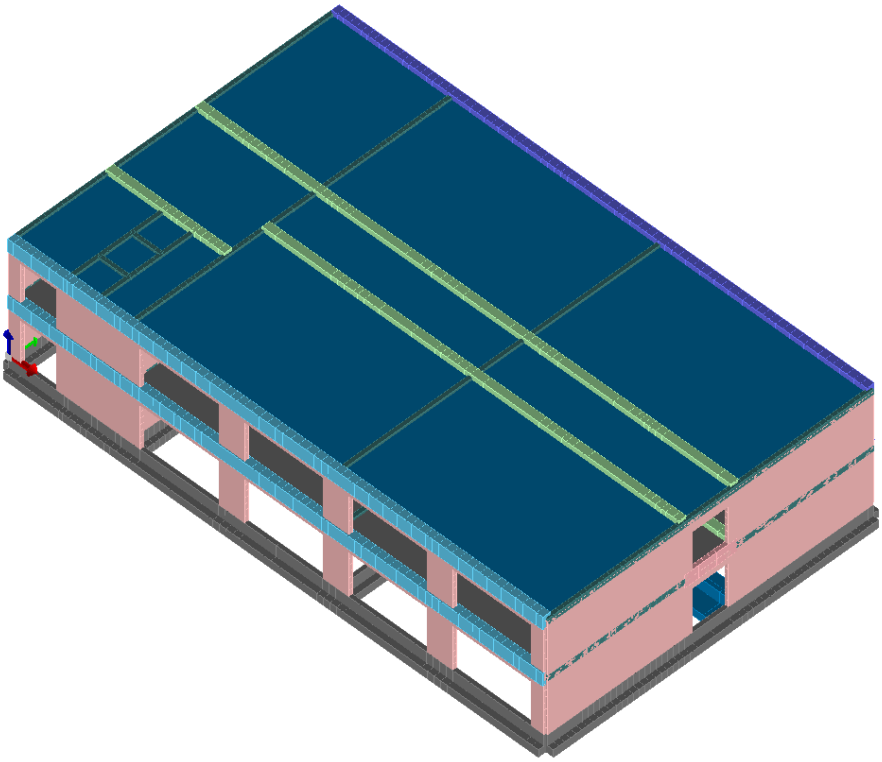
Il progetto architettonico prevede la nuova edificazione di un complesso scolastico composto dalla scuola di dimensioni 36,20 x 22,10 m, disposta su due piani con altezza pari a 7.94 m, e dalla palestra di dimensioni 32,15 x 33,50 m di altezza complessiva 9,30 m.

1.1 Descrizione Strutturale

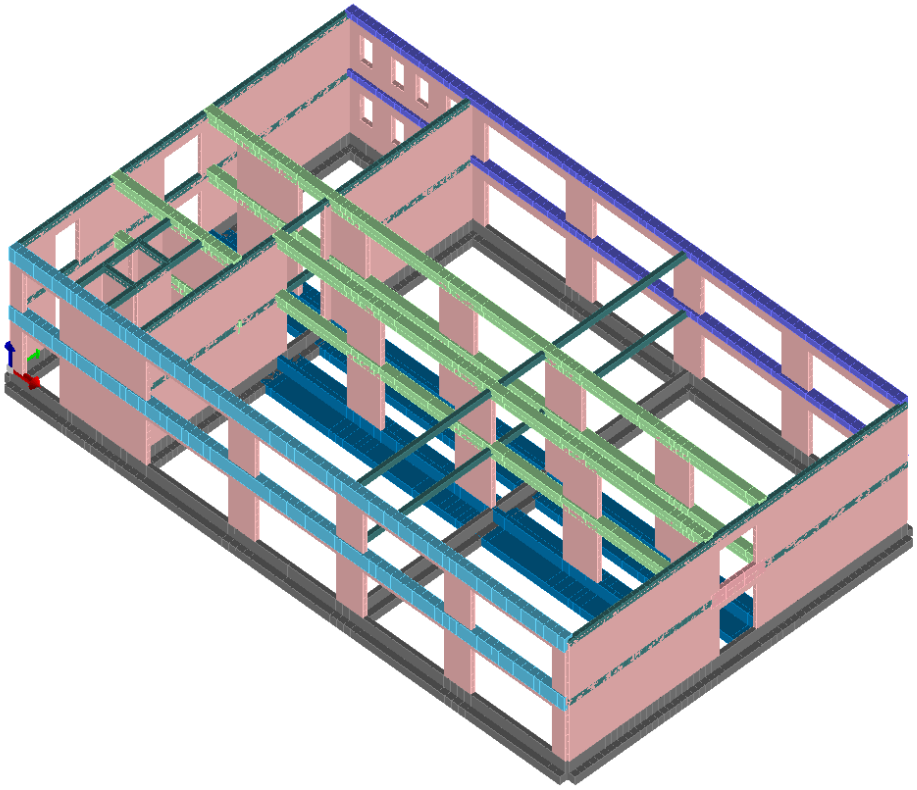
Il progetto strutturale prevede:

- fondazioni superficiali in c.a. a trave rovescia di base 100x50+25x75 cm, 150x50+25x75 cm ed 250x50+25x75 cm. Il copriferro delle strutture di fondazione è pari a 4 cm. *L'armatura delle travi rispetto il minimo previsto dalla NTC2018, §7.2.5 pari allo 0.2% (100x26x0.001=2.6 cm^2/m)*;
- setti in c.a. di spessore 25 cm a di altezza massima 930 cm (*EC.2, §5.3.1, h/b≥4*). *L'armatura dei setti rispettano la minima prevista dalla NTC2018, §7.4.6.2.2 pari allo 1%*;
- solai di piano in c.a. tipo Predalles di spessore 5+25+6 cm ad interasse 120 cm con alleggerimento in polistirolo;
- travi/cordolo del solaio di piano di sezione rettangolare 25x36 cm sopra i setti in c.a. e sezione a T di 25x50+50x36 cm e ad L 25x50+50x36 cm nelle zone senza setti di spina e perimetrali;
- solaio di copertura in c.a. tipo Predalles di spessore 5+25+6 cm ad interasse 120 cm con alleggerimento in polistirolo;
- travi/cordolo del solaio di copertura di sezione rettangolare 25x36 cm sopra i setti in c.a. e sezione a T di 25x50+50x36 cm e ad L 25x50+50x36 cm nelle zone senza setti di spina e perimetrali
- Copertura lignea della palestra realizzata con travi principali a doppia rastremazione di base 24 cm e altezza variabile da 160 a 200 cm ad interasse 700 cm, le travi secondarie lignee

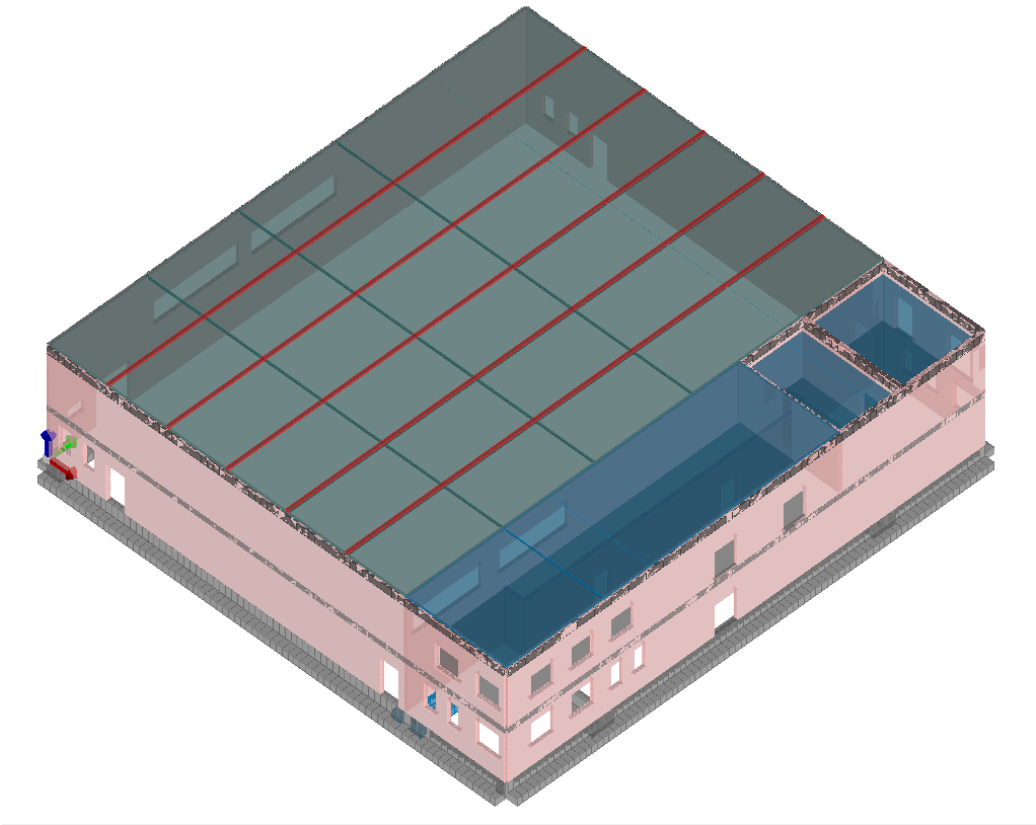
hanno sezione 20x40 cm ad interasse 350 cm. Soprastante le travi è presente un pannello scandwich isolante di spessore 20 cm;



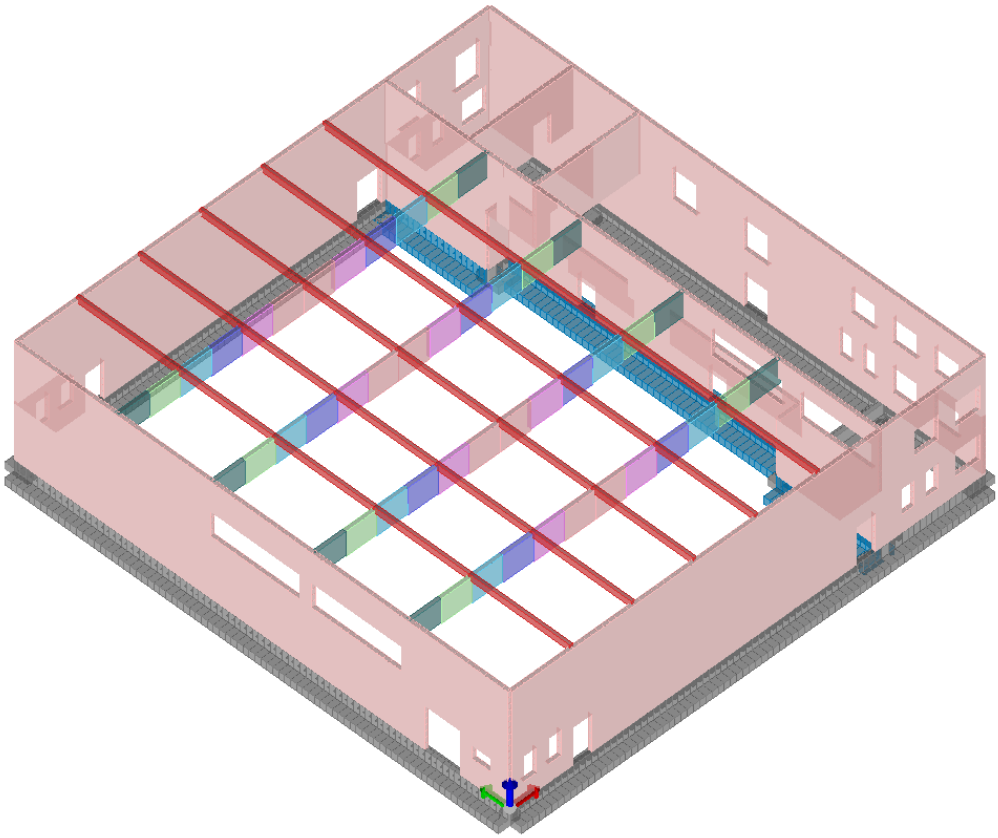
Vista 3D della scuola



Vista 3D della scuola senza impalcati



Vista 3D della palestra



Vista 3D della palestra senza impalcati

2 NORMATIVA DI RIFERIMENTO

Il progetto è stato redatto in osservanza delle **nuove norme tecniche per le costruzioni emanate con il Decreto Ministeriale del 17 gennaio 2018**. Per quanto non compiutamente descritto nella suddetta, si è fatto riferimento alle seguenti normative (di comprovata affidabilità):

PROGETTAZIONE STRUTTURALE

- L. 05.11.1971 n° 1086: "Norme per la disciplina delle opere in conglomerato cementizio armato, normale e precompresso ed a struttura metallica".
- L. 02.02.1974 n° 64: “Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche”.
- C.M. 21.01.2019 n° 7: “Istruzioni per l’applicazione delle Norme tecniche per le costruzioni di cui al decreto ministeriale 17 gennaio 2018”.
- UNI ENV 1992-1-1 “Eurocodice 2 – Progettazione delle strutture di calcestruzzo – part.1-1”
- UNI ENV 1992-1-1 “Eurocodice 5 – Progettazione delle strutture in legno – part.1-1”

MATERIALI

- Decreto del Presidente della Repubblica 21.04.1993 n° 246: “Regolamento di attuazione della direttiva 89/106/CEE relativa ai prodotti da costruzione”.
- C.M. 21.01.2019 n° 7: “Istruzioni per l’applicazione delle Norme tecniche per le costruzioni di cui al decreto ministeriale 17 gennaio 2018”.
- UNI EN 206-1 “Specificazione, prestazione, produzione e conformità del calcestruzzo”
- UNI EN 1194 “Strutture di legno – Legno lamellare incollato”

3 GENERALITÀ SUL METODO DI CALCOLO E ANALISI

Le calcolazioni sono state condotte adottando il metodo semiprobabilistico agli stati limite; sono stati soddisfatti i requisiti per la sicurezza allo stato limite ultimo (*anche sotto l'azione sismica*) e allo stato limite di esercizio.

La schematizzazione della procedura progettuale adottata può essere così sinteticamente riassunta:

- individuazione della classe d'uso dell'opera e della sua vita utile;
- definizione delle azioni agenti in condizioni statiche e dinamiche attraverso l'individuazione delle condizioni di carico;
- predisposizione delle combinazioni di carico (*con i relativi coefficienti di combinazione*);
- predimensionamento delle membrature strutturali;
- applicazione dei criteri della gerarchia delle resistenze e scelta delle soluzioni strutturali che impediscono rotture fragili (*nel caso di q >1*);
- verifica della funzionalità allo stato limite di danno delle strutture progettate (*nel caso di tamponamenti rigidi*).

La sicurezza e le prestazioni saranno garantite verificando gli stati limite sopra definiti in funzione dell'utilizzo della struttura, della sua vita nominale e di quanto stabilito dalle norme; in particolare si è verificata:

- la sicurezza nei riguardi degli stati limite ultimi (SLU e SLV) che possono provocare eccessive deformazioni permanenti, crolli parziali o globali, dissesti, che possono compromettere l'incolumità delle persone e/o la perdita di beni, provocare danni ambientali e sociali, mettere fuori servizio l'opera. Per le verifiche sono stati utilizzati i coefficienti parziali relativi alle azioni ed alle resistenze dei materiali in accordo a quando previsto dalle NTC per i vari tipi di materiale. I valori utilizzati sono riportati nel seguito;
- la sicurezza nei riguardi degli stati limite di esercizio (SLE) che possono limitare nell'uso e nella durata l'utilizzo della struttura per le azioni di esercizio. In particolare di concerto con il committente e coerentemente alle norme tecniche si sono definiti i limiti riportati nel seguito;
- la sicurezza nei riguardi dello stato limite del danno (SLD) causato da azioni sismiche con opportuni periodi di ritorno definiti di concerto al committente ed alle norme vigenti per le costruzioni in zona sismica;
- la robustezza nei confronti di opportune azioni accidentali in modo da evitare danni sproporzionati in caso di incendi, urti, esplosioni, errori umani.

4 DURABILITA'

Particolare cura è stata posta per garantire la durabilità della struttura, con la consapevolezza che tutte le prestazioni attese potranno essere garantite solo mediante opportune procedure da seguire non solo in fase di progettazione, ma anche di costruzione, manutenzione e gestione dell'opera; si dovranno, inoltre, utilizzare tutti gli accorgimenti utili alla conservazione delle caratteristiche fisiche e dinamiche dei materiali e delle strutture.

La qualità dei materiali e le dimensioni degli elementi sono coerenti con tali obiettivi.

Per garantire la durabilità della struttura sono stati presi in considerazioni opportuni stati limite di esercizio (SLE) in funzione dell'uso e dell'ambiente in cui la struttura dovrà vivere limitando sia gli stati tensionali sia, nel caso delle opere in calcestruzzo, l'ampiezza delle fessure. La definizione quantitativa delle prestazioni, la classe di esposizione e le verifiche sono riportati nel seguito e negli allegati di calcolo.

Per strutture in c.a.: il copriferro minimo da adottare in funzione delle esigenze di protezione dell'armatura e per garantire la corretta trasmissione delle forze di aderenza è stato determinato in base alle prescrizioni delle NTC §4.1.6.1.3 (C4.1.6.1.3 della Circolare) e dell'Eurocodice 2 prospetti 4.2, 4.3N e 4.4N.

Per strutture in acciaio: è vietato l'uso di profilati con spessore t < 4 mm. Una deroga a tale norma, fino ad uno spessore t=3 mm, è consentita per opere sicuramente protette contro la corrosione, quali per esempio tubi chiusi alle estremità e profili zincati, od opere non esposte agli agenti atmosferici (NTC, §4.2.9.1). Le limitazioni di cui sopra non riguardano elementi e profili sagomati a freddo. E' proibito l'impiego di acciaio incrudito in ogni caso in cui si preveda la plasticizzazione dei materiale (NTC, §4.2.9.2).

Per strutture in legno: in relazione alla classe di servizio della struttura e alle condizioni di carico, dovrà essere un programma delle operazioni di manutenzione e di controllo da effetturare durante l'esercizio della struttura (NTC, §4.4.13). La durabilità delle strutture lignee deve essere sempre assicurata, prevedendo particolari costruttivi ed opportuni accorgimenti di protezione dagli agenti atmosferici e dagli attacchi biologici di funghi e/o insetti xilofaghi, utilizzando specie legnose più idonee per durabilità naturale e per possibilità d'impregnazione, in relazione alle condizioni ambientali di esercizio (C4.4.13).

5 RELAZIONE SUI MATERIALI

5.1 Calcestruzzo per fondazioni

Calcestruzzo per opere in Cemento armato normale c.a.n.

Classe di esposizione	*UNI EN 206-1*		XC2		
Classe di consistenza	*UNI EN 206-1*		S4		
Tipo cemento	*UNI EN 197-1*		CEM I 32,5		
Classe di resistenza	*UNI EN 206-1*		**C25/30**		
Acqua d'impasto	*UNI EN 1008*				
Rapporto acqua/cemento	*UNI EN 206-1*	*a/c*	0,6		
Contenuto minimo cemento	*UNI EN 206-1*		280	*kg*	
Copriferro minimo	*EC2-1-1*	c_{min}	15	*mm*	
Aggregati	*UNI EN 12620*				
Dimensione massima aggregato	*EC2-1-1*	D_{max}	11	*mm*	$D_{max} = 3/4*c_{min}$
Additivi	*UNI EN 934-2*				
Resistenza cubica caratteristica	*DM2018*	R_{ck}	30	*MPa*	
Coefficiente parziale di sicurezza	*DM2018*	γ_c	1,5		
Coefficiente riduttivo per carichi durata	*DM2018*	α_c	0,85		
Resistenza cilindrica caratteristica	*DM2018*	f_{ck}	24,90	*MPa*	$f_{ck} = 0.83*R_{ck}$
Resistenza di calcolo di compressione	*DM2018*	f_{cd}	14,11	*MPa*	$f_{cd} = \alpha_{cc}*f_{ck}/\gamma_c$
Resistenza trazione media	*DM2018*	f_{ctm}	2,56	*MPa*	$f_{ctm} = 0.3*f_{ck}^{2/3}$
Resistenza trazione 5%-ile	*DM2018*	$f_{ctk,5}$	1,79	*MPa*	$f_{ctk,5} = 0.7*f_{ctm}$
Resistenza di calcolo di taglio	*DM2018*	f_{ctd}	1,19	*MPa*	$f_{ctd} = f_{ctk,5}/\gamma_c$
Resistenza trazione 95%-ile	*DM2018*	$f_{ctk,95}$	3,33	*MPa*	$f_{ctk,95} = 1.3*f_{ctm}$
Resistenza trazione per flessione	*DM2018*	f_{cfm}	3,07	*MPa*	$f_{cfm} = 1.2*f_{ctm}$
Modulo elastico istantaneo	*DM2018*	E_{cm}	31447	*MPa*	$E_{cm} = 22000*((f_{ck}+8)/10)^{0.3}$
Coefficiente di Poisson	*DM2018*	ν	0,2		
Modulo elastico tangenziale	*DM2018*	G	13103	*MPa*	$G = E_{cm}/(2*(1+\nu))$
coefficiente di dilatazione termica	*DM2018*	α	0,00001	$°C^{-1}$	
Controllo di accettazione	*DM2018*		tipo A		
Resistenza minima dei provini	*DM2018*	R_1	26,5	*MPa*	$R_1 \geq R_{ck} - 3.5$
Resistenza media dei provini	*DM2018*	R_m	33,5	*MPa*	$R_m \geq R_{ck} + 3.5$

1.1 Calcestruzzo per setti

Calcestruzzo per opere in Cemento armato normale c.a.n.

Classe di esposizione	*UNI EN 206-1*		XC1		
Classe di consistenza	*UNI EN 206-1*		S4		
Tipo cemento	*UNI EN 197-1*		CEM I	32,5	
Classe di resistenza	*UNI EN 206-1*		**C25/30**		
Acqua d'impasto	*UNI EN 1008*				
Rapporto acqua/cemento	*UNI EN 206-1*	*a/c*	0,65		
Contenuto minimo cemento	*UNI EN 206-1*		280	*kg*	
Copriferro minimo	*EC2-1-1*	c_{min}	10	*mm*	
Aggregati	*UNI EN 12620*				
Dimensione massima aggregato	*EC2-1-1*	D_{max}	7	*mm*	$D_{max} = 3/4*c_{min}$
Additivi	*UNI EN 934-2*				
Resistenza cubica caratteristica	*DM2018*	R_{ck}	30	*MPa*	
Coefficiente parziale di sicurezza	*DM2018*	γ_c	1,5		
Coefficiente riduttivo per carichi durata	*DM2018*	α_c	0,85		
Resistenza cilindrica caratteristica	*DM2018*	f_{ck}	24,90	*MPa*	$f_{ck} = 0.83*R_{ck}$
Resistenza di calcolo di compressione	*DM2018*	f_{cd}	14,11	*MPa*	$f_{cd} = \alpha_{cc}*f_{ck}/\gamma_c$
Resistenza trazione media	*DM2018*	f_{ctm}	2,56	*MPa*	$f_{ctm} = 0.3*f_{ck}^{2/3}$
Resistenza trazione 5%-ile	*DM2018*	$f_{ctk,5}$	1,79	*MPa*	$f_{ctk,5} = 0.7*f_{ctm}$
Resistenza di calcolo di taglio	*DM2018*	f_{ctd}	1,19	*MPa*	$f_{ctd} = f_{ctk,5}/\gamma_c$
Resistenza trazione 95%-ile	*DM2018*	$f_{ctk,95}$	3,33	*MPa*	$f_{ctk,95} = 1.3*f_{ctm}$
Resistenza trazione per flessione	*DM2018*	f_{cfm}	3,07	*MPa*	$f_{cfm} = 1.2*f_{ctm}$
Modulo elastico istantaneo	*DM2018*	E_{cm}	31447	*MPa*	$E_{cm} = 22000*((f_{ck}+8)/10)^{0.3}$
Coefficiente di Poisson	*DM2018*	ν	0,2		
Modulo elastico tangenziale	*DM2018*	G	13103	*MPa*	$G = E_{cm}/(2*(1+\nu))$
coefficiente di dilatazione termica	*DM2018*	α	0,00001	$°C^{-1}$	
Controllo di accettazione	*DM2018*		tipo A		
Resistenza minima dei provini	*DM2018*	R_1	26,5	*MPa*	$R_1 \geq R_{ck} - 3.5$
Resistenza media dei provini	*DM2018*	R_m	33,5	*MPa*	$R_m \geq R_{ck} + 3.5$

1.2 Acciaio per Cemento Armato

Acciaio per opere in Cemento armato normale c.a.n. B450C e B450A

Tensione caratteristica di rottura	*DM2018*	f_t	540	*MPa*	
Tensione carattestica di snervamento	*DM2018*	$f_{y,k}$	450	*MPa*	
Coefficiente parziale di sicurezza	*DM2018*	γ_s	1,15		
Tensione di calcolo	*DM2018*	$f_{y,d}$	391	*MPa*	$f_{yd} = f_{yk} / \gamma_s$
Diametro mandrino piegamenti 90°	*DM2018*	ϕ <12 mm	4 ϕ		
Diametro mandrino piegamenti 90°	*DM2018*	12< ϕ <16	5 ϕ		
Diametro mandrino piegamenti 90°	*DM2018*	16< ϕ <25	8 ϕ		
Controllo di accettazione	*DM2018*	**B450C**			
Tensione di snervamento minima	*DM2018*	$f_{y,min}$	425	*MPa*	
Tensione di snervamento massima	*DM2018*	$f_{y,max}$	572	*MPa*	
rapporto tensione rottura/snervamento	*DM2018*	f_t/f_y ≥	1,13		
rapporto tensione rottura/snervamento	*DM2018*	f_t/f_y <	1,37		
Allungamento massimo	*DM2018*	A_{gt}	6,0	*%*	
Controllo di accettazione	*DM2018*	**B450A**			
Tensione di snervamento minima	*DM2018*	$f_{y,min}$	425	*MPa*	
Tensione di snervamento massima	*DM2018*	$f_{y,max}$	572	*MPa*	
rapporto tensione rottura/snervamento	*DM2018*	f_t/f_y ≥	1,03		
Allungamento massimo	*DM2018*	A_{gt}	2,0	*%*	

5.1 Legno

legno Lamellare

Classe	*GL28h*		GL28h	
Flessione	*GL28h*	f_{mk}	28,0	*MPa*
Trazione parallela alla fibratura	*GL28h*	$f_{t,0,k}$	22,5	*MPa*
Trazione perpendicolare alla fibratura	*GL28h*	$f_{t,90,k}$	0,5	*MPa*
Compressione parallela alla fibratura	*GL28h*	$f_{c,0,k}$	26,5	*MPa*
Compressione perpendicolare alla fibratura	*GL28h*	$f_{c,90,k}$	3,0	*MPa*
Taglio	*GL28h*	f_{vk}	3,2	*MPa*
Modulo elastico medio parallelo alle fibre	*GL28h*	$E_{0,mean}$	12600	*MPa*
Modulo elastico caratteristico parallelo alle fibre	*GL28h*	$E_{0.05}$	10200	*MPa*
Modulo elastico medio	*GL28h*	$E_{90,mean}$	420	*MPa*
Modulo di taglio medio	*GL28h*	G_{mean}	780	*MPa*
Massa volumica caratteristica	*GL28h*	ρ_k	410	kg/m^3
Massa volumica media	*GL28h*	ρ_m	410	kg/m^3
Coefficiente parziale di sicurezza	*DM2018*	γ_M	1,45	

2 CARATTERISTICHE DEL SOTTOSUOLO

2.1 *Categoria del sottosuolo*

Dalla relazione Geologica redatta dal Geol. Alberto Coral il 07.05.2019, si desume una stratigrafia costituita prevalentemente da ghiaie. Dalle informazioni, si classifica il terreno, in base alla tabella 3.2.II del D.M. 2018, di categoria **B**.

2.2 *Caratteristiche meccaniche del sottosuolo*

La valutazione del carico a rottura del terreno è pari a R_t = 2.00 MPa. Questo valore è stato ottenuto adottando:

- angolo di attrito interno ϕ=40°;
- fondazione con B=2.00 m;
- coesione del terreno c_u=0.00 MPa;
- peso di volume del terreno di γ=20.00 kN/m^3;
- profondità pari a 1.50 m dal p.d.c..

Adottando l'approccio 2 del D.M. 2018 si considerano i seguenti parametri ai fini della valutazione della capacità portante di progetto del sottosuolo:

- le azioni della struttura sono amplificate con i coefficienti [A1] *tab.6.2.I*, γ_G=1.30/1.00 per azioni permanenti e γ_Q=1.50/0.00 per azioni variabili, corrispondenti alle azioni allo stato limite ultimo;
- i parametri caratteristici di resistenza del terreno sono divisi per il coefficiente [M1] *tab.6.2.II*, γ_M=1.0;
- la resistenza di progetto del terreno è determinata dividendo la resistenza ultima per il coefficiente [R3] *tab.6.4.I*, γ_R=2.3.

La resistenza di progetto del terreno risulta pari a:

$R_d = R_t / (\gamma_M * \gamma_R) = 2.00 /(1.0* 2.3) = 0.87$ Mpa

<u>Il geologo raccomanda comunque di non superare la resistenza di progetto di 0.25 Mpa.</u>

3 AZIONI DI PROGETTO

3.1 *Azioni Permanenti*

Analisi dei carichi copertura LIGNEA palestra

PERMANENTE					
fotovoltaico				=	0,30 kN/mq
pannello				=	0,20 kN/mq
					0,50 kN/mq
ACCIDENTALE					
neve					**1,20 kN/mq**

Analisi dei carichi copertura SOLAIO palestra

PERMANENTE					
macchine termiche				=	2,00 kN/mq
fotovoltaico				=	0,30 kN/mq
guaina	0,02 m	*	20,00 kN/mc	=	0,40 kN/mq
isolamento	0,15 m	*	2,00 kN/mc	=	0,30 kN/mq
Solaio Predalles 5+25+6					5,00 kN/mq
					8,00 kN/mq
ACCIDENTALE					
accessibilità e manutenzione					**2,00 kN/mq**

Analisi dei carichi copertura SOLAIO scuola

PERMANENTE					
fotovoltaico				=	0,30 kN/mq
guaina	0,02 m	*	20,00 kN/mc	=	0,40 kN/mq
isolamento	0,15 m	*	2,00 kN/mc	=	0,30 kN/mq
Solaio Predalles 5+25+6					5,00 kN/mq
					6,00 kN/mq
ACCIDENTALE					
accessibilità e manutenzione					**2,00 kN/mq**

Analisi dei carichi SOLAIO di piano scuola/palestra

PERMANENTE					
resina	0,01 m	*	20,00 kN/mc	=	0,10 kN/mq
massetto riscaldamento	0,10 m	*	20,00 kN/mc	=	2,00 kN/mq
isolamento	0,10 m	*	2,00 kN/mc	=	0,20 kN/mq
isocall	0,10 m	*	5,00 kN/mc	=	0,50 kN/mq
Solaio Predalles 5+25+6					5,00 kN/mq
					7,80 kN/mq
ACCIDENTALE					
scuola					**3,00 kN/mq**

3.2 *Azioni Variabile da neve*

Azione della Neve - NTC 2008				
zona	II		*zona di appartenenza*	*NTC2018, §3,4,2*
a_s =	1,00	mslm	*altitudine sul livello del mare*	*NTC2018, §3,4,2*
q_{sk} =	1,00	kN/m^2	*valore caratteristico di riferimento*	*NTC2018, §3,4,2*
α =	23 °		*angolo inclinazione falda*	*NTC2018, §3,4,3*
μ =	0,80		*coefficiente di forma della copertura*	*NTC2018, Tab.3,4,II*
c_E =	1,0		*coefficiente di esposizione*	*NTC2018, Tab.3,4,I*
c_t =	1,0		*coefficiente termico*	*NTC2018, §3,4,5*
q_s =	**0,80**	kN/m^2	*carico da neve*	*NTC2018, [3,4,1]*

Zona I - Alpina
Aosta, Belluno, Bergamo, Biella, Bolzano, Brescia, Como, Cuneo, Lecco, Pordenone, Sondrio, Torino, Trento, Udine, Verbano-Cusio-Ossola, Vercelli, Vicenza:

$$q_{sk} = 1{,}50 \text{ kN/m}^2 \qquad a_s \le 200 \text{ m}$$
$$q_{sk} = 1{,}39\,[1 + (a_s/728)^2] \text{ kN/m}^2 \qquad a_s > 200 \text{ m} \qquad [3.4.2]$$

Zona I - Mediterranea
Alessandria, Ancona, Asti, Bologna, Cremona, Forlì-Cesena, Lodi, Milano, Modena, Monza Brianza, Novara, Parma, Pavia, Pesaro e Urbino, Piacenza, Ravenna, Reggio Emilia, Rimini, Treviso, Varese:

$$q_{sk} = 1{,}50 \text{ kN/m}^2 \qquad a_s \le 200 \text{ m}$$
$$q_{sk} = 1{,}35\,[1 + (a_s/602)^2] \text{ kN/m}^2 \qquad a_s > 200 \text{ m} \qquad [3.4.3]$$

Zona II
Arezzo, Ascoli Piceno, Avellino, Bari, Barletta-Andria-Trani, Benevento, Campobasso, Chieti, Fermo, Ferrara, Firenze, Foggia, Frosinone, Genova, Gorizia, Imperia, Isernia, L'Aquila, La Spezia, Lucca, Macerata, Mantova, Massa Carrara, Padova, Perugia, Pescara, Pistoia, Prato, Rieti, Rovigo, Savona, Teramo, Trieste, Venezia, Verona:

$$q_{sk} = 1{,}00 \text{ kN/m}^2 \qquad a_s \le 200 \text{ m}$$
$$q_{sk} = 0{,}85\,[1 + (a_s/481)^2] \text{ kN/m}^2 \qquad a_s > 200 \text{ m} \qquad [3.4.4]$$

Zona III
Agrigento, Brindisi, Cagliari, Caltanissetta, Carbonia-Iglesias, Caserta, Catania, Catanzaro, Cosenza, Crotone, Enna, Grosseto, Latina, Lecce, Livorno, Matera, Medio Campidano, Messina, Napoli, Nuoro, Ogliastra, Olbia-Tempio, Oristano, Palermo, Pisa, Potenza, Ragusa, Reggio Calabria, Roma, Salerno, Sassari, Siena, Siracusa, Taranto, Terni, Trapani, Vibo Valentia, Viterbo:

$$q_{sk} = 0{,}60 \text{ kN/m}^2 \qquad a_s \le 200 \text{ m}$$
$$q_{sk} = 0{,}51\,[1 + (a_s/481)^2] \text{ kN/m}^2 \qquad a_s > 200 \text{ m} \qquad [3.4.5]$$

Per altitudini superiori a 1500 m sul livello del mare si deve fare riferimento alle condizioni locali di clima e di esposizione utilizzando comunque valori di carico neve non inferiori a quelli previsti per 1500 m.

Per un'opera di nuova realizzazione in fase di costruzione o per le fasi transitorie relative ad interventi sulle costruzioni esistenti, il periodo di ritorno dell'azione può essere ridotto come di seguito specificato:

- per fasi di costruzione o fasi transitorie con durata prevista in sede di progetto non superiore a tre mesi, si assumerà $T_R \ge 5$ anni;
- per fasi di costruzione o fasi transitorie con durata prevista in sede di progetto compresa fra tre mesi d un anno, si assumerà $T_R \ge 10$ anni.

Tab. 3.4.II – *Valori del coefficiente di forma*

Coefficiente di forma	$0° \le \alpha \le 30°$	$30° < \alpha < 60°$	$\alpha \ge 60°$
μ_1	0,8	$0{,}8 \cdot \frac{(60-\alpha)}{30}$	0,0

Tab. 3.4.I – *Valori di C_E per diverse classi di esposizione*

Topografia	Descrizione	C_E
Battuta dai venti	Aree pianeggianti non ostruite esposte su tutti i lati, senza costruzioni o alberi più alti	0,9
Normale	Aree in cui non è presente una significativa rimozione di neve sulla costruzione prodotta dal vento, a causa del terreno, altre costruzioni o alberi	1,0
Riparata	Aree in cui la costruzione considerata è sensibilmente più bassa del circostante terreno o circondata da costruzioni o alberi più alti	1,1

3.4.3.2 COPERTURA AD UNA FALDA

Nel caso delle coperture ad una falda, si deve considerare la condizione di carico riportata in Fig. 3.4.2.

Fig. 3.4.2 - *Condizioni di carico per coperture ad una falda*

3.4.3.3 COPERTURA A DUE FALDE

Nel caso delle coperture a due falde, si devono considerare le tre condizioni di carico alternative, denominate *Caso I*, *Caso II* e *Caso III* in Fig. 3.4.3.

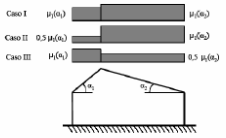


Fig. 3.4.3 - *Condizioni di carico per coperture a due falde*

3.3 *Azioni Variabile da vento*

Azione del Vento - NTC 2018				
zona	1 #	*zonizzazione italiana per la determinazione di v_{ref}*	*NTC2018, Tab.3.3.I*
a_s	30 m	*altitudine (s.m.m) del sito ove sorge la costruzione*	*NTC2018, §3.3.1*
$V_{b,0}$	25 m/s	*velocità in funzione della zona*	*NTC2018, §3.3.1*
a_0	1000 m	*coefficiente caratteristico del sito ove sorge la costruzione*	*NTC2018, Tab.3.3.I*
k_s	0,400 1/s	*coefficiente caratteristico del sito ove sorge la costruzione*	*NTC2018, Tab.3.3.I*
C_a	1,000	*coefficiente di altitudine*	*NTC2018, Tab.3.3.I*
V_b	25 m/s	*velocità base di riferimento al livello del mare*	*NTC2018, [3.3.1]*
T_R	50 anni	*periodo di ritorno*	*NTC2018, §3.3.2*
c_r	1,00	*coefficiente di ritorno*	*NTC2018, [3.3.3]*
V_r	25 m/s	*velocità di riferimento*	*NTC2018, [3.3.2]*
ρ	1,25 kg/m^3	*densità dell'aria assunta convezionalmente costante*	*NTC2018, §3.3.6*
q_r	0,39 kN/m^2	*pressione cinetica di riferimento*	*NTC2018, [3.3.6]*
Classe	C #	*classe di rugosità del terreno*	*NTC2018, §3.3.7*
Categoria	II #	*categoria di esposizione del sito ove sorge la costruzione*	*NTC2018, §3.3.7*
z	7 m	*altezza dell'edificio*	*NTC2018, §3.3.7*
c_t	1,00 #	*coefficiente di topografia c_t*	*NTC2018, §3.3.7*
k_r	0,19		*NTC2018, Tab.3.3.II*
z_0	0,05 m		*NTC2018, Tab.3.3.II*
z_{min}	4,00 m		*NTC2018, Tab.3.3.II*
c_e	2,130 #	*coefficiente di esposizione valutato per z = h*	*NTC2018, [3.3.7]*
c_d	1,000 #	*coefficiente dinamico c_d*	*NTC2018, §3.3.9*
q_p	**0,83 kN/m^2**	*pressione cinetica di picco (a meno di c_p)*	*NTC2018, [3.3.4]*
c_p	0,80		
i	1 m		
q_p	0,67 kN/m		
c_p	0,40		
i	1 m		
q_p	0,33 kN/m		

La pressione del vento è data dall'espressione:

$$p = q_r c_e c_p c_d \qquad [3.3.4]$$

dove

q_r è la pressione cinetica di riferimento di cui al § 3.3.6;
c_e è il coefficiente di esposizione di cui al § 3.3.7;
c_p è il coefficiente di pressione di cui al § 3.3.8;
c_d è il coefficiente dinamico di cui al § 3.3.9.

In mancanza di specifiche ed adeguate indagini statistiche, v_b è data dall'espressione:

$$v_b = v_{b,0} \cdot c_a \qquad [3.3.1]$$

$v_{b,0}$ è la velocità base di riferimento al livello del mare, assegnata nella Tab. 3.3.I in funzione della zona in cui sorge la costruzione (Fig. 3.3.1);
c_a è il coefficiente di altitudine fornito dalla relazione:

$$c_a = 1 \quad \text{per } a_s \le a_0$$
$$c_a = 1 + k_s\left(\frac{a_s}{a_0} - 1\right) \quad \text{per } a_0 < a_s \le 1500 \text{ m} \qquad [3.3.1.b]$$

dove:
a_0, k_s sono parametri forniti nella Tab. 3.3.I in funzione della zona in cui sorge la costruzione (Fig. 3.3.1);
a_s è l'altitudine sul livello del mare del sito ove sorge la costruzione.

Tab. 3.3.I -*Valori dei parametri $v_{b,0}$, a_0, k_s*

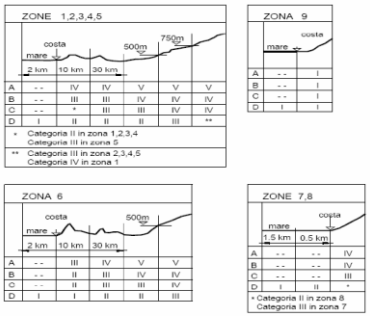
Zona	Descrizione	$v_{b,0}$ [m/s]	a_0 [m]	k_s
1	Valle d'Aosta, Piemonte, Lombardia, Trentino Alto Adige, Veneto, Friuli Venezia Giulia (con l'eccezione della provincia di Trieste)	25	1000	0,40
2	Emilia Romagna	25	750	0,45
3	Toscana, Marche, Umbria, Lazio, Abruzzo, Molise, Puglia, Campania, Basilicata, Calabria (esclusa la provincia di Reggio Calabria)	27	500	0,37
4	Sicilia e provincia di Reggio Calabria	28	500	0,36
5	Sardegna (zona a oriente della retta congiungente Capo Teulada con l'Isola di Maddalena)	28	750	0,40
6	Sardegna (zona a occidente della retta congiungente Capo Teulada con l'Isola di Maddalena)	28	500	0,36
7	Liguria	28	1000	0,54
8	Provincia di Trieste	30	1500	0,50
9	Isole (con l'eccezione di Sicilia e Sardegna) e mare aperto	31	500	0,32

La velocità di riferimento v_r è il valore medio su 10 minuti, a 10 m di altezza dal suolo su un terreno pianeggiante e omogeneo di categoria di esposizione II (vedi Tab. 3.3.II), riferito al periodo di ritorno di progetto T_R. Tale velocità è definita dalla relazione:

$$v_r = v_b \cdot c_r \qquad [3.3.2]$$

dove
v_b è la velocità base di riferimento, di cui al § 3.3.1;
c_r è il coefficiente di ritorno, funzione del periodo di ritorno di progetto T_R.
In mancanza di specifiche e adeguate indagini statistiche, il coefficiente di ritorno è fornito dalla relazione:

$$c_r = 0.75\sqrt{1 - 0.2 \times \ln\left[-\ln\left(1 - \frac{1}{T_R}\right)\right]} \qquad [3.3.3]$$



La pressione cinetica di riferimento q_r è data dall'espressione:

$$q_r = \frac{1}{2}\rho v_r^2 \qquad [3.3.6]$$

dove
v_r è la velocità di riferimento del vento di cui al § 3.3.2;
ρ è la densità dell'aria assunta convenzionalmente costante e pari a 1,25 kg/m³.
Esprimendo ρ in kg/m³ e v_r in m/s, q_r risulta espresso in N/m².

Il coefficiente di esposizione c_e dipende dall'altezza z sul suolo del punto considerato, dalla topografia del terreno e dalla categoria di esposizione del sito ove sorge la costruzione. In assenza di analisi specifiche che tengano in conto la direzione di provenienza del vento e l'effettiva scabrezza e topografia del terreno che circonda la costruzione, per altezze sul suolo non maggiori di z = 200 m, esso è dato dalla formula:

$$c_e(z) = k_r^2 c_t \ln(z/z_0)\left[7 + c_t \ln(z/z_0)\right] \quad \text{per } z \ge z_{min}$$
$$c_e(z) = c_e(z_{min}) \quad \text{per } z < z_{min} \qquad [3.3.7]$$

dove
k_r, z_0, z_{min} sono assegnati in Tab. 3.3.II in funzione della categoria di esposizione del sito ove sorge la costruzione;
c_t è il coefficiente di topografia.

Tab. 3.3.II - *Parametri per la definizione del coefficiente di esposizione*

Categoria di esposizione del sito	k_r	z_0 [m]	z_{min} [m]
I	0,17	0,01	2
II	0,19	0,05	4
III	0,20	0,10	5
IV	0,22	0,30	8
V	0,23	0,70	12

Tab. 3.3.III - *Classi di rugosità del terreno*

Classe di rugosità del terreno	Descrizione
A	Aree urbane in cui almeno il 15% della superficie sia coperto da edifici la cui altezza media superi i 15 m
B	Aree urbane (non di classe A), suburbane, industriali e boschive
C	Aree con ostacoli diffusi (alberi, case, muri, recinzioni,....); aree con rugosità non riconducibile alle classi A, B, D
D	a) Mare e relativa fascia costiera (entro 2 km dalla costa); b) Lago (con larghezza massima pari ad almeno 1 km) e relativa fascia costiera (entro 1 km dalla costa) c) Aree prive di ostacoli o con al più rari ostacoli isolati (aperta campagna, aeroporti, aree agricole, pascoli, zone paludose o sabbiose, superfici innevate o ghiacciate, ...)

L'assegnazione della classe di rugosità non dipende dalla conformazione orografica e topografica del terreno. Si può assumere che il sito appartenga alla Classe A o B, purché la costruzione si trovi nell'area relativa per non meno di 1 km e comunque per non meno di 20 volte l'altezza della costruzione, per tutti i settori di provenienza del vento ampi almeno 30°. Si deve assumere che il sito appartenga alla Classe D, qualora la costruzione sorga nelle aree indicate con le lettere a) o b), oppure entro un raggio di 1 km da essa vi sia un settore ampio 30°, dove il 90% del terreno sia del tipo indicato con la lettera c). Laddove sussistano dubbi sulla scelta della classe di rugosità, si deve assegnare la classe più sfavorevole (l'azione del vento è in genere minima in Classe A e massima in Classe D).

3.4 *Azione Variabile da Sisma*

Le azioni sismiche di progetto, in base alle quali valutare il rispetto dei diversi limiti considerati, si definiscono a partire dalla "pericolosità sismica di base" del sito di costruzione.

La pericolosità sismica è definita in termini di accelerazione orizzontale massima attesa a_g in condizioni di campo libero su sito di riferimento rigido con superficie topografica orizzontale (di categoria A quale definita al § 3.2.2), nonché di ordinate dello spettro di risposta elastico in accelerazione ad essa corrispondente $S_e(T)$, con riferimento a prefissate probabilità di eccedenza P_{VR}, come definito al § 3.2.1, nel periodo di riferimento V_R, come definito al § 2.4.

Determinazione del periodo di riferimento

Secondo il § 2.4.3 le azioni sismiche sulle costruzioni sono valutate in relazione ad un periodo di riferimento V_R che si ricava moltiplicando la vita nominale V_N per il coefficiente d'uso C_U:

$$\mathbf{V_R = V_N \cdot C_U}$$

La vita nominale dell'opera V_N è intesa come il numero di anni nel quale la struttura purché soggetta alla manutenzione ordinaria, deve potere essere usata per lo scopo al quale è destinata. La vita nominale dei diversi tipi di opere è riportata nella seguente tabella (§ 2.4.1 tabella 2.4.I).

		TIPO DI COSTRUZIONE	Vita Nominale V_N (in anni)
☐	1	*Opere provvisorie – Opere provvisionali – Strutture in fase costruttiva*	≤ 10
☐	2	*Opere ordinarie, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale*	≥ 50
☒	3	*Grandi opere, ponti, opere infrastrutturali e dighe di grandi dimensioni o di importanza strategica*	≥ 100

In presenza di azioni sismiche, con riferimento alle conseguenze di un'interruzione di operatività o di un eventuale collasso, le costruzioni sono suddivise in classi d'uso così definite:

Classe I: Costruzioni con presenza solo occasionale di persone, edifici agricoli.

Classe II: Costruzioni il cui uso prevede normali affollamenti, senza contenuti pericolosi per l'ambiente e senza funzioni pubbliche e sociali essenziali. Industrie con attività non pericolose per l'ambiente. Ponti, opere infrastrutturali, reti viarie non ricadenti in Classe d'uso III o in Classe d'uso IV, reti ferroviarie la cui interruzione non provochi situazioni di emergenza. Dighe il cui collasso non provochi conseguenze rilevanti.

Classe III: Costruzioni il cui uso prevede affollamenti significativi. Industrie con attività pericolose per l'ambiente. Reti viarie extraurbane non ricadenti in Classe d'uso IV. Ponti e reti ferroviarie la cui interruzione provochi situazioni di emergenza. Dighe rilevanti per le conseguenze di un loro eventuale collasso.

Classe IV: Costruzioni con funzioni pubbliche o strategiche importanti, anche in riferimento alla gestione della protezione civile in caso di calamità. Industrie con attività particolarmente pericolose per l'ambiente. Reti viarie di tipo A o B, di cui al D.M. 5 novembre 2001, n. 6792, "Norme funzionali e geometriche per la costruzione delle strade", e di tipo C quando appartenenti ad itinerari di collegamento tra capoluoghi di provincia non altresì serviti da strade di tipo A o B. Ponti e reti ferroviarie di importanza critica per il mantenimento delle vie di comunicazione, particolarmente dopo un evento sismico. Dighe connesse al funzionamento di acquedotti e a impianti di produzione di energia elettrica.

Il valore del coefficiente d'uso C_U è definito, al variare della Classe d'uso, come mostrato in § 2.4.3 tabella 2.4.II.

CLASSE D'USO	I	II	III	IV
COEFFICIENTE C_U	0.7	1.0	1.5	2.0
	☐	☐	☒	☐

Se $V_R \leq 35$ anni si pone $V_R = 35$ anni.

Il **periodo di riferimento** è pari a $V_R = 100 * 1.5 = 150$ anni

Stato limite di superamento

Nei confronti delle azioni sismiche gli stati limite, sia di esercizio che ultimi, sono individuati riferendosi alle prestazioni della costruzione nel suo complesso, includendo gli elementi strutturali, quelli non strutturali e gli impianti.

Gli stati limite d'esercizio sono:

- **Stato limite di Operatività** (SLO): a seguito del terremoto la costruzione nel suo complesso, includendo gli elementi strutturali, quelli non strutturali, le apparecchiature rilevanti alla sua funzione, non deve subire danni ed interruzioni d'uso significativi;
- **Stato limite di danno** (SLD): a seguito del terremoto la costruzione nel suo complesso, includendo gli elementi strutturali, quelli non strutturali, le apparecchiature rilevanti alla sua funzione, subisce danni tali da non mettere a rischio gli utenti e da non compromettere significativamente la capacità di resistenza e di rigidezza nei confronti delle azioni verticali ed orizzontali, mantenendosi immediatamente utilizzabile pur nell'interruzione d'uso di parte delle apparecchiature.

Gli stati limite ultimi sono:

- **Stato Limite di salvaguardia della Vita** (SLV): a seguito del terremoto la costruzione subisce rotture e crolli dei componenti non strutturali ed impiantistici e significativi danni dei componenti strutturali cui si associa una perdita significativa di rigidezza nei confronti delle azioni orizzontali; la costruzione conserva invece una parte della resistenza e rigidezza per azioni verticali e un margine di sicurezza nei confronti del collasso per azioni sismiche orizzontali;
- **Stato Limite di prevenzione del Collasso** (SLC): a seguito del terremoto la costruzione subisce gravi rotture e crolli dei componenti non strutturali ed impiantistici e danni molto gravi dei componenti strutturali; la costruzione conserva ancora un margine di sicurezza per azioni verticali ed un esiguo margine di sicurezza nei confronti del collasso per azioni orizzontali.

Le probabilità di superamento nel periodo di riferimento P_{V_R}, cui riferirsi per individuare l'azione sismica agente in ciascuno degli stati limite considerati, sono riportate nella successiva tabella 3.2.1.

Stati Limite		***P_{V_R}: Probabilità di superamento nel periodo di riferimento V_R***
Statti limite di esercizio	*SLO*	*81%*
	SLD	*63%*
Stati limite ultimi	*SLV*	*10%*
	SLC	*5%*

Il periodo di ritorno dell'azione sismica corrispondente a ciascun stato limite vale:

$$T_R = -V_R / \ln(1-P_{V_R}) \qquad (DM\ 2018 – Allegato\ A – [1])$$

I valori del **<u>periodo di ritorno</u>** per ogni stato limite di verifica sono riportati nella seguente tabella.

Stati Limite		T_R *(anni)*
Statti limite di esercizio	*SLO*	*90*
	SLD	*151*
Stati limite ultimi	*SLV*	*1424*
	SLC	*2475*

Categoria del sottosuolo

Si seguono le indicazioni contenute nel § 3.2.2 del D.M. 17.01.2018 relative alla classificazione del sottosuolo e all'individuazione delle condizioni topografiche della superficie del sito oggetto dell'intervento.

Ai fini della definizione dell'azione sismica di progetto, si rende necessario valutare l'effetto della risposta sismica locale mediante analisi del sottosuolo, come indicato al § 7.11.3. Da conoscenze dirette si evince che il sottosuolo rientra nella categoria **B.**

Condizioni topografiche

La risposta sismica riferita ad un sottosuolo rigido di categoria A deve quindi essere amplificata da opportuni coefficienti d'amplificazione che tengono conto della diversa stratigrafia del sito; essi sono: S_S, coefficiente stratigrafico e C_C, coefficiente che modifica il periodo, T_C corrispondente all'inizio del tratto a velocità costante dello spettro di risposta elastico.

Allo scopo di individuare le condizioni topografiche della superficie del sito e valutare i corrispondenti coefficienti amplificativi topografici, S_T della risposta sismica finale la Normativa mette a disposizione la seguente classificazione:

Categoria		*Classificazione della superficie topografica*	S_T
☒	***T1***	Superficie pianeggiante, pendii e rilevati isolati con inclinazione media i ≤15°	*1.0*
☐	***T2***	Pendii con inclinazione media i > 15°	*1.2*
☐	***T3***	Rilievi con larghezza in cresta molto minore che alla base e inclinazione media 15° ≤ i < 30°	*1.2*
☐	***T4***	Rilievi con larghezza in cresta molto minore che alla base e inclinazione media i > 30°	*1.4*

Metodo di analisi sismica

Il progetto previsto propone una struttura a setti sismo resistenti in c.a.. La struttura, rispecchia i criteri del §7.3.3.2, è cioè pressoché simmetrica e regolare in altezza. L'analisi della sicurezza in condizioni sismiche è svolta secondo l'analisi statica / dinamica di cui al § 7.3.2 del D.M. del 17/01/2018.

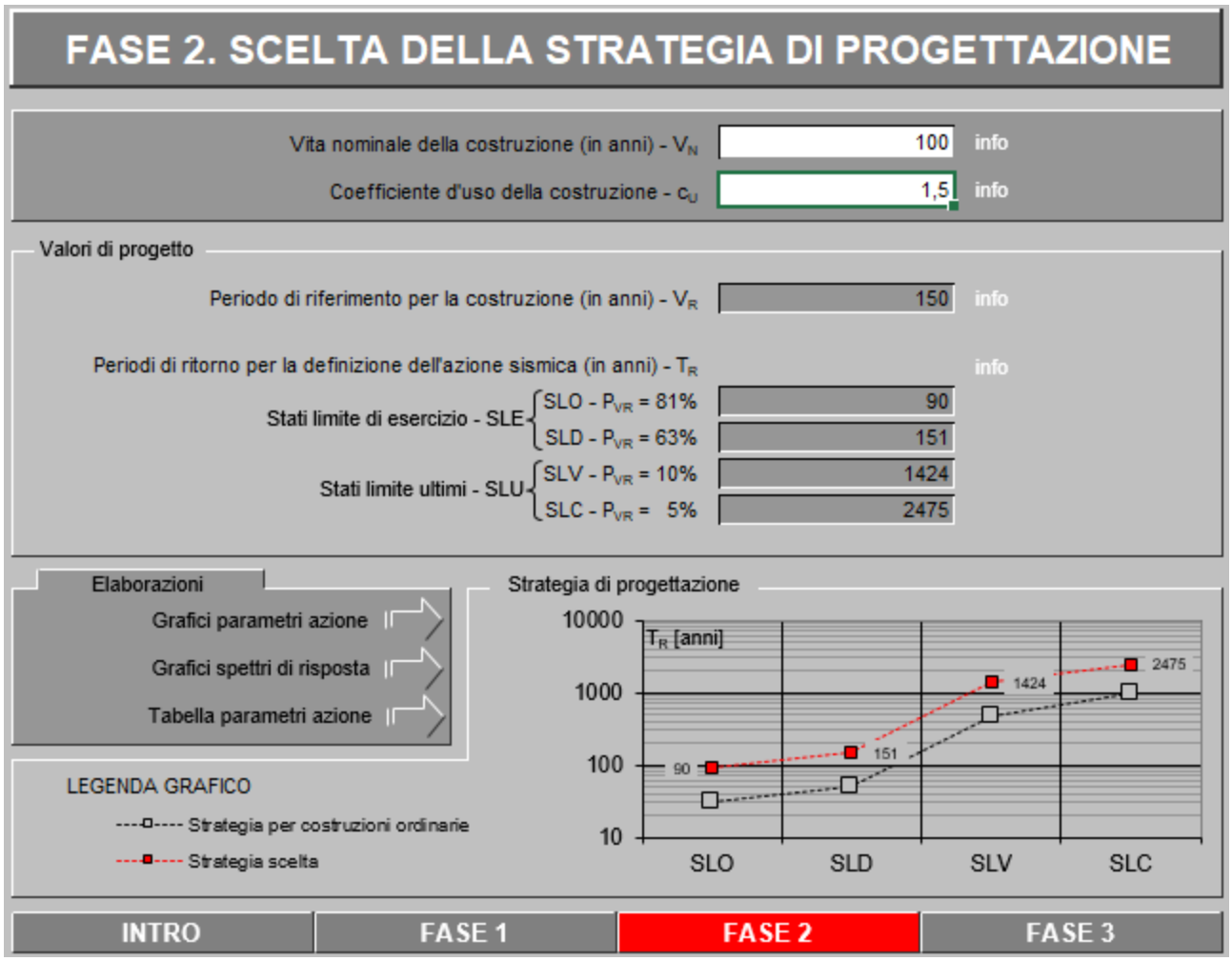
Spettro di risposta lineare

Il progetto dell'ampliamento è condotto per lo stato limite: (§3.2.1)

SLV, *la struttura deve conservare una resistenza e una rigidezza per azioni verticali e orizzontali*

SLD, *la struttura subisce danni tali da non compromettere la sua capacità di resistenza e rigidezza*

A partire dalle coordinate del sito della costruzione (**longitudine: 12.2065°; latitudine: 45.7192°**) e dai valori dei parametri sismici relativi ai nodi di un reticolo di riferimento fornito dalla Normativa, si sono determinati, utilizzando il programma in Excel "Spettri di Risposta ver. 1.0.3, i valori caratteristici per ogni stato limite di verifica.



Valori dei parametri a_g, F_o, T_C^* per i periodi di ritorno T_R associati a ciascun

SLATO LIMITE	T_R [anni]	a_g [g]	F_o [-]	T_C^* [s]
SLO	90	0,080	2,440	0,276
SLD	151	0,103	2,424	0,291
SLV	1424	0,265	2,479	0,350
SLC	2475	0,330	2,476	0,363

Il fattore di struttura, è determinato da:

- la struttura è considerata pareti non accoppiate in c.a. $q_0 = 3.0$

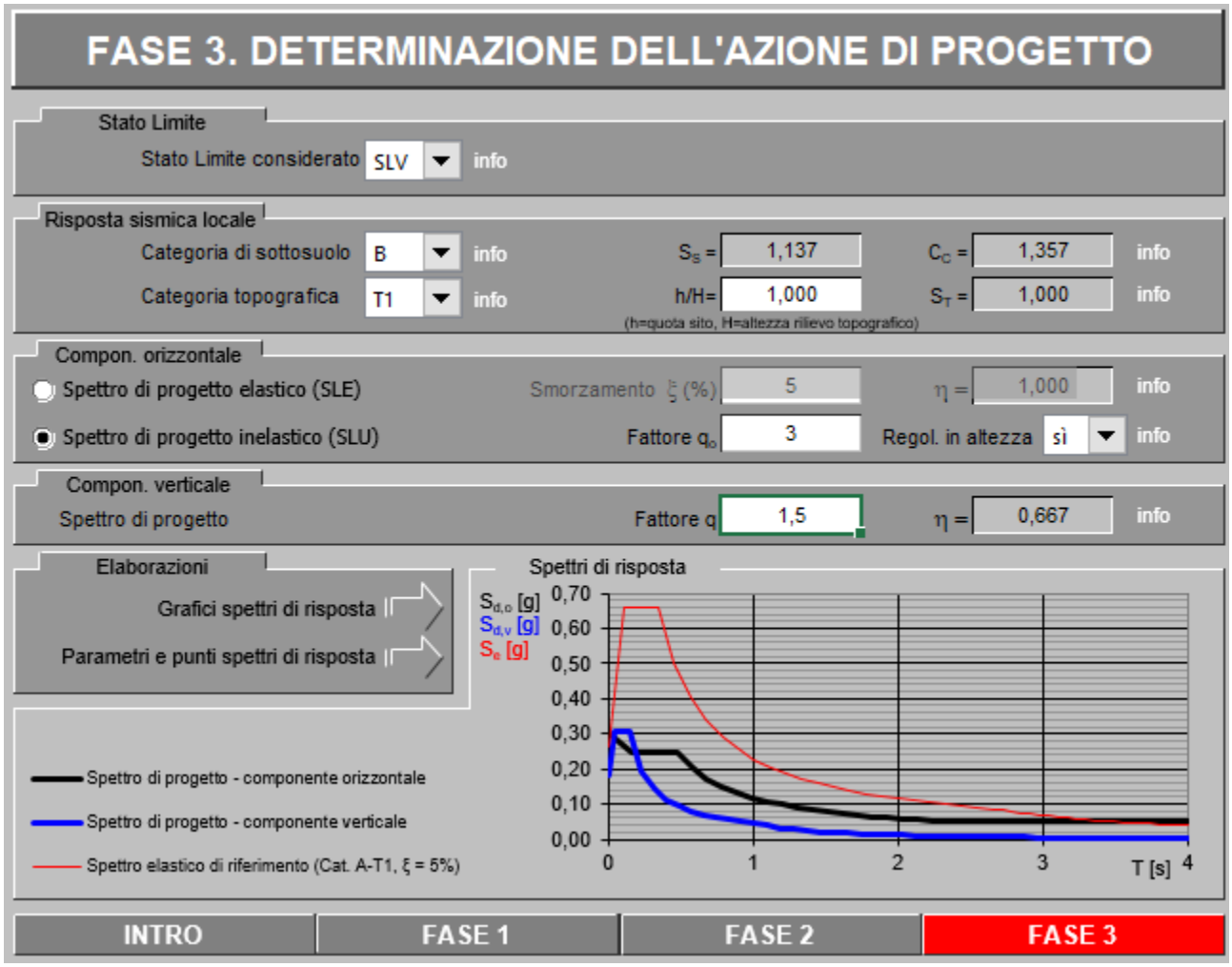
Tab. 7.3.II – *Valori massimi del valore di base q_0 del fattore di comportamento allo SLV per diverse tecniche costruttive ed in funzione della tipologia strutturale e della classe di duttilità CD*

	q_0	
Tipologia strutturale	CD"A"	CD"B"
Costruzioni di calcestruzzo (§ 7.4.3.2)		
Strutture a telaio, a pareti accoppiate, miste (v. § 7.4.3.1)	$4,5\ \alpha_u/\alpha_1$	$3,0\ \alpha_u/\alpha_1$
Strutture a pareti non accoppiate (v. § 7.4.3.1)	$4,0\ \alpha_u/\alpha_1$	3,0
Strutture deformabili torsionalmente (v. § 7.4.3.1)	3,0	2,0
Strutture a pendolo inverso (v. § 7.4.3.1)	2,0	1,5
Strutture a pendolo inverso intelaiate monopiano (v. § 7.4.3.1)	3,5	2,5

- la struttura è considerata regolare in altezza.

$K_R = 1.0$

$q = 3.00 * 1.00 * 1.00 = 3.00$



Parametri e punti dello spettro di risposta orizzontale per lo stato lim SLV

Parametri indipendenti

STATO LIMITE	SLV
a_g	0,265 g
F_o	2,479
T_C^*	0,350 s
S_S	1,137
C_C	1,357
S_T	1,000
q	3,000

Parametri dipendenti

S	1,137
η	0,333
T_B	0,158 s
T_C	0,475 s
T_D	2,661 s

Espressioni dei parametri dipendenti

$S = S_S \cdot S_T$ (NTC-08 Eq. 3.2.5)

$\eta = \sqrt{10/(5+\xi)} \geq 0,55;\ \eta = 1/q$ (NTC-08 Eq. 3.2.6; §. 3.2.3.5)

$T_B = T_C / 3$ (NTC-07 Eq. 3.2.8)

$T_C = C_C \cdot T_C^*$ (NTC-07 Eq. 3.2.7)

$T_D = 4,0 \cdot a_g / g + 1,6$ (NTC-07 Eq. 3.2.9)

Espressioni dello spettro di risposta (NTC-08 Eq. 3.2.4)

$0 \leq T < T_B$ | $S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$

$T_B \leq T < T_C$ | $S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$

$T_C \leq T < T_D$ | $S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T}\right)$

$T_D \leq T$ | $S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$

Lo spettro di progetto $S_d(T)$ per le verifiche agli Stati Limite Ultimi è ottenuto dalle espressioni dello spettro elastico $S_e(T)$ sostituendo η con $1/q$, dove q è il fattore di struttura. (NTC-08 § 3.2.3.5)

Punti dello spettro di risposta

	T [s]	Se [g]
	0,000	0,302
T_B	0,158	0,249
T_C	0,475	0,249
	0,579	0,204
	0,683	0,173
	0,787	0,150
	0,891	0,133
	0,995	0,119
	1,100	0,108
	1,204	0,098
	1,308	0,091
	1,412	0,084
	1,516	0,078
	1,620	0,073
	1,724	0,069
	1,828	0,065
	1,932	0,061
	2,036	0,058
	2,141	0,055
	2,245	0,053
	2,349	0,053
	2,453	0,053
	2,557	0,053
T_D	2,661	0,053
	2,725	0,053
	2,789	0,053
	2,852	0,053
	2,916	0,053
	2,980	0,053
	3,044	0,053
	3,107	0,053
	3,171	0,053
	3,235	0,053
	3,299	0,053
	3,362	0,053
	3,426	0,053
	3,490	0,053
	3,554	0,053
	3,617	0,053
	3,681	0,053
	3,745	0,053
	3,809	0,053
	3,872	0,053
	3,936	0,053
	4,000	0,053

4 COMBINAZIONE DELLE AZIONI

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni.

- Combinazione fondamentale, generalmente impiegata per gli stati limite ultimi (SLU):

  $\gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_P \cdot P + \gamma_{Q1} \cdot Q_{k1} + \gamma_{Q2} \cdot \psi_{02} \cdot Q_{k2} + \gamma_{Q3} \cdot \psi_{03} \cdot Q_{k3} + ...$ (2.5.1)

- Combinazione caratteristica rara, generalmente impiegata per gli stati limite di esercizio (SLE) irreversibili, da utilizzarsi nelle verifiche alle tensioni ammissibili di cui al § 2.7:

  $G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + ...$ (2.5.2)

- Combinazione frequente, generalmente impiegata per gli stati limite di esercizio (SLE) reversibili:

  $G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + ...$ (2.5.3)

- Combinazione quasi permanente (SLE), generalmente impiegata per gli effetti a lungo termine:

  $G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + ...$ (2.5.4)

- Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E:

  $E + G_1 + G_2 + P + \psi_{21} \cdot Qk_1 + \psi_{22} \cdot Q_{k2} + ...$ (2.5.5)

Nelle combinazioni per SLE, si intende che vengono omessi i carichi Q_{kj} che danno un contributo favorevole ai fini delle verifiche e, se del caso, i carichi G_2.

I valori dei coefficienti parziali di sicurezza γ_{Gi} e γ_{Qj} sono:

Categoria/Azione variabile	ψ_{0j}	ψ_{1j}	ψ_{2j}
Categoria A Ambienti ad uso residenziale	0,7	0,5	0,3
Categoria B Uffici	0,7	0,5	0,3
Categoria C Ambienti suscettibili di affollamento	0,7	0,7	0,6
Categoria D Ambienti ad uso commerciale	0,7	0,7	0,6
Categoria E Biblioteche, archivi, magazzini e ambienti ad uso industriale	1,0	0,9	0,8
Categoria F Rimesse e parcheggi (per autoveicoli di peso ≤ 30 kN)	0,7	0,7	0,6
Categoria G Rimesse e parcheggi (per autoveicoli di peso > 30 kN)	0,7	0,5	0,3
Categoria H Coperture	0,0	0,0	0,0
Vento	0,6	0,2	0,0
Neve (a quota ≤ 1000 m s.l.m.)	0,5	0,2	0,0
Neve (a quota > 1000 m s.l.m.)	0,7	0,5	0,2
Variazioni termiche	0,6	0,5	0,0

5 AZIONI NELLE VERIFICHE AGLI STATI LIMITE

Le verifiche agli stati limite sono eseguite per tutte le più gravose condizioni di carico che possono agire sulla struttura, valutando gli effetti delle combinazioni definite sopra.

5.1 *Stati Limite Ultimi*

Nelle verifiche agli stati limite ultimi si distinguono:

- lo stato limite di equilibrio come corpo rigido: EQU
- lo stato limite di resistenza della struttura compresi gli elementi di fondazione: STR
- lo stato limite di resistenza del terreno: GEO

Di seguito si riportano i valori dei coefficienti parziali delle azioni da assumere per la determinazione degli effetti delle azioni nelle verifiche agli stati limite ultimi.

		Coefficiente γ_F	EQU	A1 STR	A2 GEO
Carichi permanenti	favorevoli	γ_{G1}	0,9	1,0	1,0
	sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali (1)	favorevoli	γ_{G2}	0,0	0,0	0,0
	sfavorevoli		1,5	1,5	1,3
Carichi variabili	sfavorevoli	γ_{Qi}	0,0	0,0	0,0
	sfavorevoli		1,5	1,5	1,3

(1)Nel caso in cui i carichi permanenti non strutturali (ad es. carichi permanenti portati) siano compiutamente definiti si potranno adottare per essi gli stessi coefficienti validi per le azioni permanenti

dove:

γ_{G1} *coefficiente parziale del peso proprio della struttura, nonché del peso proprio del terreno e*
dell'acqua, quando pertinenti;

γ_{G2} *coefficiente parziale dei pesi propri degli elementi non strutturali*;

γ_{Qi} *coefficiente parziale delle azioni variabili*.

Nelle verifiche nei confronti degli stati limite ultimi strutturali si è seguito l'approccio 2 previsto dalla normativa, ossia si è impiegata un'unica combinazione dei gruppi di coefficienti parziali definiti per le Azioni (A), per la resistenza dei materiali (M) e per la resistenza globale (R). In tale approccio, per le azioni si impiegano i coefficienti γ_F riportati nella colonna A1.

5.2 *Stati Limite di Esercizio*

Le verifiche da farsi per la tipologia di opera in esame sono (§4.1.2.2 DM2018):

Verifica di deformabilità

Per assicurare limiti di deformabilità accettabili, si deve confrontare la congruenza delle deformazioni in relazione alla destinazione d'uso e alle esigenze estetiche.

Verifica di fessurazione

Per assicurare la funzionalità e la durata delle opere si deve assicurare che:

- sia garantito un sufficiente ricoprimento delle armature con calcestruzzo di buona qualità e compattezza, bassa porosità e bassa permeabilità;
- non sia superato lo stato limite di fessurazione adeguato alle condizioni ambientali, alle sollecitazioni ed alla sensibilità delle armature alla corrosione;

In base alle condizioni ambientali e al tipo di armatura specifica del caso considerato:

- ambiente molto aggressivo
- armatura poco sensibile alla corrosione

E' assunto il valore limite di apertura delle fessure w_1=0.2 mm, come da tabelle seguenti:

Tabella 4.1.III

CONDIZIONI AMBIENTALI	CLASSE DI ESPOSIZIONE
Ordinarie	X0, XC1, XC2, XC3, XF1
Aggressive	XC4, XD1, XS1, XA1, XA2, XF2, XF3
Molto aggressive	XD2, XD3, XS2, XS3, XA3, XF4

Tabella 4.1.IV (w_1=0.2 mm; w_2=0.3 mm; w_3=0.4 mm)

Gruppi di esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	w_d	Stato limite	w_d
a	Ordinarie	frequente	ap. fessure	$\leq w_2$	ap. fessure	$\leq w_3$
		quasi permanente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
b	Aggressive	frequente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$
c	Molto aggressive	frequente	formazione fessure	-	ap. fessure	$\leq w_1$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$

Verifica delle tensioni di esercizio

Si deve verificare che la tensione massima di esercizio del calcestruzzo sia limitata secondo

$\sigma_c < 0{,}60\ f_{ck}$ per combinazione caratteristica (rara) (4.1.40)

$\sigma_c < 0{,}45\ f_{ck}$ per combinazione quasi permanente. (4.1.41)

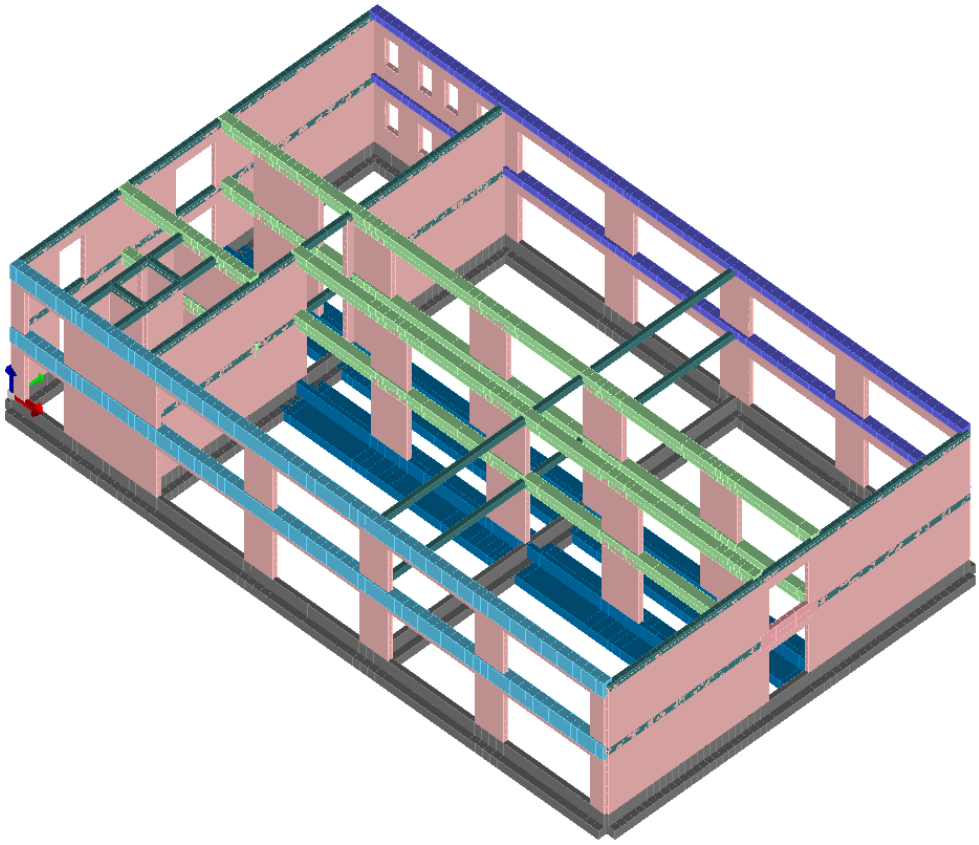
e che la tensione massima di esercizio dell'acciaio sia limitata secondo

$\sigma_s < 0{,}8\ f_{yk}$ per combinazione caratteristica (rara) (4.1.42)

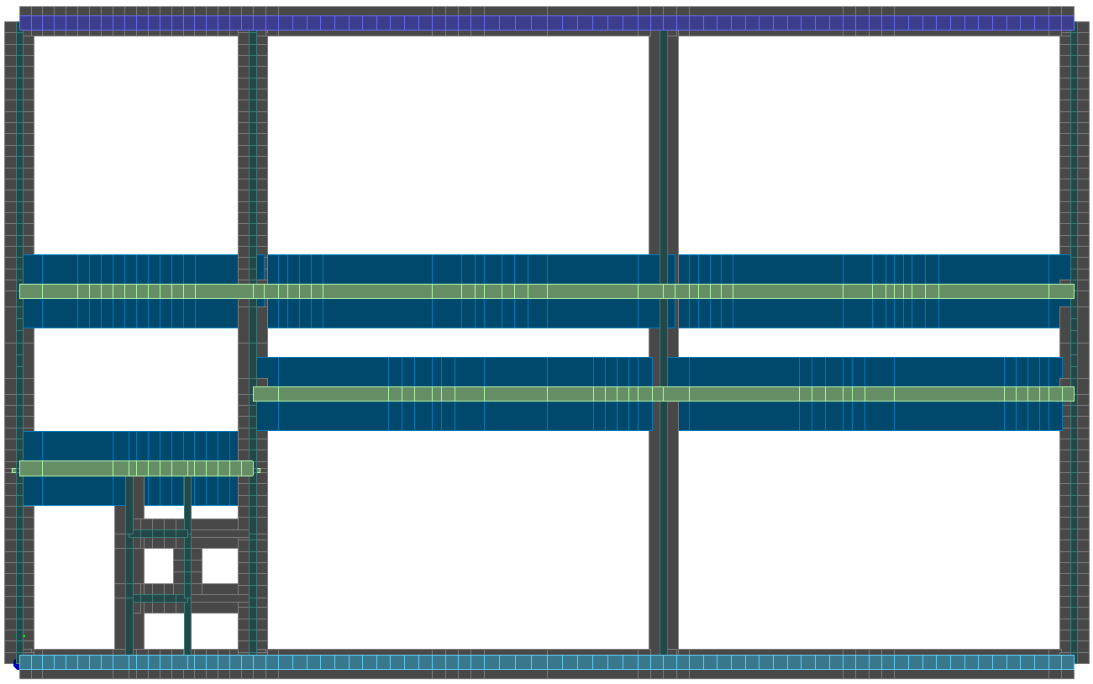
Le verifiche sono svolte, utilizzando le seguenti condizioni:

- si adottano le proprietà geometriche della sezione corrispondente alla condizione fessurata (il cls è considerato elastico in compressione, ma incapace di sostenere la trazione);
- in via semplificata, si assume il comportamento elastico-lineare e per le armature il coefficiente di omogeneizzazione con il valore convenzionale n=15;

6 VERIFICA DELLE STRUTTURE DELLA SCUOLA



Vista tridimensionale dello scheletro delle strutture



Vista dall'alto dello scheletro delle strutture

CARATTERISTICHE MATERIALI UTILIZZATI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale
Poisson	coefficiente di contrazione trasversale
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	cemento armato		
		Rck	resistenza caratteristica cubica
		Fctm	resistenza media a trazione semplice
2	acciaio		
		Ft	tensione di rottura a trazione
		Fy	tensione di snervamento
		Fd	resistenza di calcolo
		Fdt	resistenza di calcolo per spess. t>40 mm
		Sadm	tensione ammissibile
		Sadmt	tensione ammissibile per spess. t>40 mm
3	muratura		
		Resist. Fk	resistenza caratteristica a compressione
		Resist. Fvko	resistenza caratteristica a taglio
4	legno		
		Resist. fc0k	Resistenza caratteristica (tensione amm. per REGLES) per compressione
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

MODELLAZIONE DELLE SEZIONI

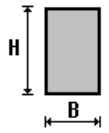
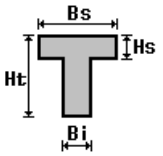
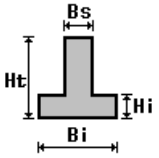
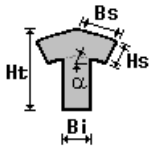
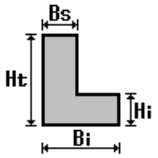
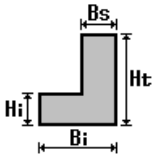
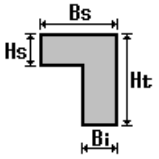
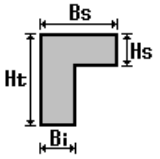
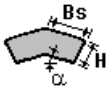
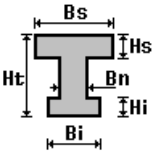
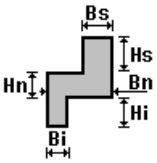
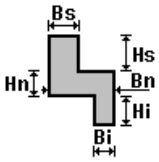
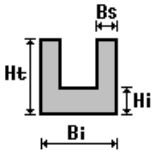
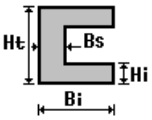
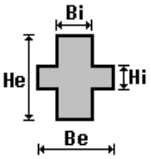
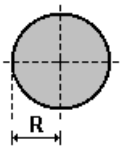
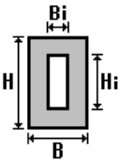
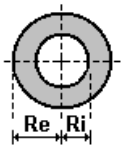
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

1. sezione di tipo generico
2. profilati semplici
3. profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilatari.

Per quanto concerne le sezioni di tipo generico (tipo 1.):

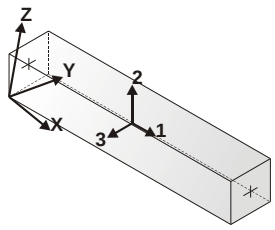
i valori dimensionali con prefisso B sono riferiti all'asse 2

i valori dimensionali con prefisso H sono riferiti all'asse 3

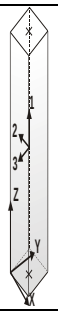
Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	T rovescia: bi=100 ht=125 bs=25 hi=50	6875.00	0.0	0.0	3.423e+06	4.264e+06	7.247e+06	8.529e+04	8.736e+04	1.367e+05	1.709e+05
2	T rovescia: bi=250 ht=125 bs=25 hi=50	1.438e+04	0.0	0.0	9.673e+06	6.520e+07	9.852e+06	5.216e+05	1.073e+05	7.930e+05	2.699e+05
3	Rettangolare: b=25 h=36	900.00	750.00	750.00	1.071e+05	4.688e+04	9.720e+04	3750.00	5400.00	5625.00	8100.00
4	T ribassata: bi=25 ht=86 bs=50 hs=36	3050.00	0.0	0.0	7.992e+05	4.401e+05	1.819e+06	1.760e+04	3.610e+04	3.031e+04	6.214e+04
5	L inv.ribas.: bi=25 ht=86 bs=50 hs=36	3050.00	0.0	0.0	7.992e+05	5.554e+05	1.819e+06	1.844e+04	3.610e+04	3.358e+04	6.214e+04
6	L rovescia: bi=25 ht=86 bs=50 hs=36	3050.00	0.0	0.0	7.992e+05	5.554e+05	1.819e+06	1.844e+04	3.610e+04	3.358e+04	6.214e+04
8	Rettangolare: b=25 h=86	2150.00	1791.67	1791.67	3.659e+05	1.120e+05	1.325e+06	8958.33	3.082e+04	1.344e+04	4.623e+04

MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.
Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz.	Svincolo I	Svincolo J	Wink V	Wink O	
							gradi			daN/cm3	daN/cm3
1		Trave f.	1	1787	1	1				4.00	1.00
2		Trave f.	37	988	1	1				4.00	1.00

3	Trave f.	12	472	1	1	4.00	1.00
4	Trave f.	1	156	1	1	4.00	1.00
5	Trave f.	64	14	1	2	4.00	1.00
6	Trave f.	25	26	1	2	4.00	1.00
7	Trave f.	4	1295	1	1	4.00	1.00
8	Trave f.	53	2272	1	1	4.00	1.00
9	Trave f.	54	43	1	1	4.00	1.00
10	Trave f.	55	67	1	1	4.00	1.00
11	Trave f.	56	7	1	1	4.00	1.00
12	Trave f.	57	2773	1	2	4.00	1.00
13	Trave f.	58	31	1	2	4.00	1.00
14	Trave f.	59	69	1	1	4.00	1.00
15	Trave f.	13	2273	1	1	4.00	1.00
16	Trave f.	38	2938	1	1	4.00	1.00
17	Trave f.	24	66	1	1	4.00	1.00
18	Trave f.	2	3	1	1	4.00	1.00
19	Trave f.	14	15	1	2	4.00	1.00
20	Trave f.	26	2299	1	2	4.00	1.00
21	Trave f.	16	68	1	1	4.00	1.00
22	Trave f.	25	2254	1	1	4.00	1.00
23	Trave f.	43	1189	1	1	4.00	1.00
24	Trave f.	36	946	1	1	4.00	1.00
25	Trave f.	7	357	1	1	4.00	1.00
26	Trave f.	19	2824	1	2	4.00	1.00
27	Trave f.	31	63	1	2	4.00	1.00
28	Trave f.	28	1762	1	1	4.00	1.00
29	Trave f.	39	999	1	1	4.00	1.00
30	Trave f.	3	167	1	1	4.00	1.00
31	Trave f.	15	3130	1	2	4.00	1.00
32	Trave f.	27	2342	1	2	4.00	1.00
33	Trave f.	44	45	1	1	4.00	1.00
34	Trave f.	8	9	1	1	4.00	1.00
35	Trave f.	20	2717	1	2	4.00	1.00
36	Trave f.	32	2554	1	2	4.00	1.00
37	Trave f.	40	1124	1	1	4.00	1.00
38	Trave f.	4	292	1	1	4.00	1.00
39	Trave f.	16	50	1	2	4.00	1.00
40	Trave f.	28	2460	1	2	4.00	1.00
41	Trave f.	45	1233	1	1	4.00	1.00
42	Trave f.	9	401	1	1	4.00	1.00
43	Trave f.	21	2721	1	2	4.00	1.00
44	Trave f.	33	2589	1	2	4.00	1.00
45	Trave f.	41	1143	1	1	4.00	1.00
46	Trave f.	5	311	1	1	4.00	1.00
47	Trave f.	17	2882	1	2	4.00	1.00
48	Trave f.	29	2465	1	2	4.00	1.00
49	Trave f.	46	47	1	1	4.00	1.00
50	Trave f.	10	11	1	1	4.00	1.00
51	Trave f.	22	2617	1	2	4.00	1.00
52	Trave f.	34	2677	1	2	4.00	1.00
53	Trave f.	52	41	1	1	4.00	1.00
54	Trave f.	49	5	1	1	4.00	1.00
55	Trave f.	50	2841	1	2	4.00	1.00
56	Trave f.	51	2440	1	2	4.00	1.00
57	Trave f.	42	54	1	1	4.00	1.00
58	Trave f.	6	56	1	1	4.00	1.00
59	Trave f.	18	57	1	2	4.00	1.00
60	Trave f.	30	2498	1	2	4.00	1.00
61	Trave f.	47	1279	1	1	4.00	1.00
62	Trave f.	11	447	1	1	4.00	1.00
63	Trave f.	23	2676	1	2	4.00	1.00
64	Trave f.	35	36	1	2	4.00	1.00
65	Trave f.	60	1214	1	1	4.00	1.00
66	Trave f.	61	382	1	1	4.00	1.00
67	Trave f.	61	62	1	1	4.00	1.00
68	Trave f.	62	20	1	2	4.00	1.00
69	Trave f.	63	2574	1	2	4.00	1.00
70	Trave f.	62	63	1	1	4.00	1.00
71	Trave f.	63	60	1	1	4.00	1.00
72	Trave f.	64	1957	1	1	4.00	1.00
73	Trave f.	65	1465	1	1	4.00	1.00
74	Trave f.	67	36	1	1	4.00	1.00
75	Trave f.	69	28	1	1	4.00	1.00
76	Trave f.	66	55	1	1	4.00	1.00
77	Trave f.	68	59	1	1	4.00	1.00
78	Trave f.	1787	1797	1	1	4.00	1.00
79	Trave f.	988	38	1	1	4.00	1.00
80	Trave f.	472	482	1	1	4.00	1.00
81	Trave f.	156	2	1	1	4.00	1.00
82	Trave f.	1295	1305	1	1	4.00	1.00
83	Trave f.	2272	25	1	1	4.00	1.00
84	Trave f.	2273	53	1	1	4.00	1.00
85	Trave f.	2034	37	1	1	4.00	1.00
86	Trave f.	1189	60	1	1	4.00	1.00
87	Trave f.	726	48	1	1	4.00	1.00
88	Trave f.	357	61	1	1	4.00	1.00
89	Trave f.	1542	40	1	1	4.00	1.00
90	Trave f.	999	1016	1	1	4.00	1.00
91	Trave f.	167	184	1	1	4.00	1.00
92	Trave f.	1124	52	1	1	4.00	1.00
93	Trave f.	292	49	1	1	4.00	1.00
94	Trave f.	1233	1250	1	1	4.00	1.00
95	Trave f.	401	418	1	1	4.00	1.00
96	Trave f.	1143	1160	1	1	4.00	1.00
97	Trave f.	311	328	1	1	4.00	1.00
98	Trave f.	1279	48	1	1	4.00	1.00
99	Trave f.	447	12	1	1	4.00	1.00
100	Trave f.	1214	44	1	1	4.00	1.00
101	Trave f.	382	8	1	1	4.00	1.00
102	Trave f.	1957	1967	1	1	4.00	1.00
103	Trave f.	1465	1475	1	1	4.00	1.00

104	Trave f.	2044	2034	1	1	4.00	1.00
105	Trave f.	736	726	1	1	4.00	1.00
106	Trave f.	1552	1542	1	1	4.00	1.00
107	Trave f.	1797	1807	1	1	4.00	1.00
108	Trave f.	482	492	1	1	4.00	1.00
109	Trave f.	1305	1315	1	1	4.00	1.00
110	Trave f.	1016	1026	1	1	4.00	1.00
111	Trave f.	184	194	1	1	4.00	1.00
112	Trave f.	1250	1260	1	1	4.00	1.00
113	Trave f.	418	428	1	1	4.00	1.00
114	Trave f.	1160	1170	1	1	4.00	1.00
115	Trave f.	328	338	1	1	4.00	1.00
116	Trave f.	1967	1977	1	1	4.00	1.00
117	Trave f.	1475	1485	1	1	4.00	1.00
118	Trave f.	2054	2044	1	1	4.00	1.00
119	Trave f.	746	736	1	1	4.00	1.00
120	Trave f.	1562	1552	1	1	4.00	1.00
121	Trave f.	1807	1817	1	1	4.00	1.00
122	Trave f.	492	502	1	1	4.00	1.00
123	Trave f.	1315	1325	1	1	4.00	1.00
124	Trave f.	1026	1036	1	1	4.00	1.00
125	Trave f.	194	204	1	1	4.00	1.00
126	Trave f.	1260	46	1	1	4.00	1.00
127	Trave f.	428	10	1	1	4.00	1.00
128	Trave f.	1170	42	1	1	4.00	1.00
129	Trave f.	338	6	1	1	4.00	1.00
130	Trave f.	1977	1987	1	1	4.00	1.00
131	Trave f.	1485	1495	1	1	4.00	1.00
132	Trave f.	2064	2054	1	1	4.00	1.00
133	Trave f.	756	746	1	1	4.00	1.00
134	Trave f.	1572	1562	1	1	4.00	1.00
135	Trave f.	1817	1827	1	1	4.00	1.00
136	Trave f.	502	512	1	1	4.00	1.00
137	Trave f.	1325	1335	1	1	4.00	1.00
138	Trave f.	1036	1046	1	1	4.00	1.00
139	Trave f.	204	214	1	1	4.00	1.00
140	Trave f.	1987	1997	1	1	4.00	1.00
141	Trave f.	1495	1505	1	1	4.00	1.00
142	Trave f.	2074	2064	1	1	4.00	1.00
143	Trave f.	766	756	1	1	4.00	1.00
144	Trave f.	1582	1572	1	1	4.00	1.00
145	Trave f.	1827	1837	1	1	4.00	1.00
146	Trave f.	512	522	1	1	4.00	1.00
147	Trave f.	1335	1345	1	1	4.00	1.00
148	Trave f.	1046	1056	1	1	4.00	1.00
149	Trave f.	214	224	1	1	4.00	1.00
150	Trave f.	1997	2007	1	1	4.00	1.00
151	Trave f.	1505	1515	1	1	4.00	1.00
152	Trave f.	2084	2074	1	1	4.00	1.00
153	Trave f.	776	766	1	1	4.00	1.00
154	Trave f.	1592	1582	1	1	4.00	1.00
155	Trave f.	1837	1847	1	1	4.00	1.00
156	Trave f.	522	532	1	1	4.00	1.00
157	Trave f.	1345	1355	1	1	4.00	1.00
158	Trave f.	1056	1066	1	1	4.00	1.00
159	Trave f.	224	234	1	1	4.00	1.00
160	Trave f.	2007	13	1	1	4.00	1.00
161	Trave f.	1515	16	1	1	4.00	1.00
162	Trave f.	2094	2084	1	1	4.00	1.00
163	Trave f.	786	776	1	1	4.00	1.00
164	Trave f.	1602	1592	1	1	4.00	1.00
165	Trave f.	1847	1857	1	1	4.00	1.00
166	Trave f.	532	542	1	1	4.00	1.00
167	Trave f.	1355	1365	1	1	4.00	1.00
168	Trave f.	1066	1076	1	1	4.00	1.00
169	Trave f.	234	244	1	1	4.00	1.00
170	Trave f.	2104	2094	1	1	4.00	1.00
171	Trave f.	796	786	1	1	4.00	1.00
172	Trave f.	1612	1602	1	1	4.00	1.00
173	Trave f.	1857	1867	1	1	4.00	1.00
174	Trave f.	542	552	1	1	4.00	1.00
175	Trave f.	1365	1375	1	1	4.00	1.00
176	Trave f.	1076	1086	1	1	4.00	1.00
177	Trave f.	244	254	1	1	4.00	1.00
178	Trave f.	2114	2104	1	1	4.00	1.00
179	Trave f.	806	796	1	1	4.00	1.00
180	Trave f.	1622	1612	1	1	4.00	1.00
181	Trave f.	1867	1877	1	1	4.00	1.00
182	Trave f.	552	562	1	1	4.00	1.00
183	Trave f.	1375	1385	1	1	4.00	1.00
184	Trave f.	1086	1096	1	1	4.00	1.00
185	Trave f.	254	264	1	1	4.00	1.00
186	Trave f.	2124	2114	1	1	4.00	1.00
187	Trave f.	816	806	1	1	4.00	1.00
188	Trave f.	1632	1622	1	1	4.00	1.00
189	Trave f.	1877	1887	1	1	4.00	1.00
190	Trave f.	562	572	1	1	4.00	1.00
191	Trave f.	1385	1395	1	1	4.00	1.00
192	Trave f.	1096	1106	1	1	4.00	1.00
193	Trave f.	264	274	1	1	4.00	1.00
194	Trave f.	2134	2124	1	1	4.00	1.00
195	Trave f.	826	816	1	1	4.00	1.00
196	Trave f.	1642	1632	1	1	4.00	1.00
197	Trave f.	1887	1897	1	1	4.00	1.00
198	Trave f.	572	582	1	1	4.00	1.00
199	Trave f.	1395	1405	1	1	4.00	1.00
200	Trave f.	1106	40	1	1	4.00	1.00
201	Trave f.	274	4	1	1	4.00	1.00
202	Trave f.	2144	2134	1	1	4.00	1.00
203	Trave f.	836	826	1	1	4.00	1.00
204	Trave f.	1652	1642	1	1	4.00	1.00

205	Trave f.	1897	1907	1	1	4.00	1.00
206	Trave f.	582	592	1	1	4.00	1.00
207	Trave f.	1405	1415	1	1	4.00	1.00
208	Trave f.	2154	2144	1	1	4.00	1.00
209	Trave f.	846	836	1	1	4.00	1.00
210	Trave f.	1662	1652	1	1	4.00	1.00
211	Trave f.	1907	1917	1	1	4.00	1.00
212	Trave f.	592	602	1	1	4.00	1.00
213	Trave f.	1415	1425	1	1	4.00	1.00
214	Trave f.	2164	2154	1	1	4.00	1.00
215	Trave f.	856	846	1	1	4.00	1.00
216	Trave f.	1672	1662	1	1	4.00	1.00
217	Trave f.	1917	1927	1	1	4.00	1.00
218	Trave f.	602	612	1	1	4.00	1.00
219	Trave f.	1425	1435	1	1	4.00	1.00
220	Trave f.	2174	2164	1	1	4.00	1.00
221	Trave f.	866	856	1	1	4.00	1.00
222	Trave f.	1682	1672	1	1	4.00	1.00
223	Trave f.	1927	1937	1	1	4.00	1.00
224	Trave f.	612	622	1	1	4.00	1.00
225	Trave f.	1435	1445	1	1	4.00	1.00
226	Trave f.	2184	2174	1	1	4.00	1.00
227	Trave f.	876	866	1	1	4.00	1.00
228	Trave f.	1692	1682	1	1	4.00	1.00
229	Trave f.	1937	1947	1	1	4.00	1.00
230	Trave f.	622	632	1	1	4.00	1.00
231	Trave f.	1445	1455	1	1	4.00	1.00
232	Trave f.	2194	2184	1	1	4.00	1.00
233	Trave f.	886	876	1	1	4.00	1.00
234	Trave f.	1702	1692	1	1	4.00	1.00
235	Trave f.	1947	64	1	1	4.00	1.00
236	Trave f.	632	642	1	1	4.00	1.00
237	Trave f.	1455	65	1	1	4.00	1.00
238	Trave f.	2204	2194	1	1	4.00	1.00
239	Trave f.	896	886	1	1	4.00	1.00
240	Trave f.	1712	1702	1	1	4.00	1.00
241	Trave f.	642	652	1	1	4.00	1.00
242	Trave f.	2214	2204	1	1	4.00	1.00
243	Trave f.	906	896	1	1	4.00	1.00
244	Trave f.	1722	1712	1	1	4.00	1.00
245	Trave f.	652	662	1	1	4.00	1.00
246	Trave f.	2224	2214	1	1	4.00	1.00
247	Trave f.	916	906	1	1	4.00	1.00
248	Trave f.	1732	1722	1	1	4.00	1.00
249	Trave f.	662	672	1	1	4.00	1.00
250	Trave f.	2234	2224	1	1	4.00	1.00
251	Trave f.	926	916	1	1	4.00	1.00
252	Trave f.	1742	1732	1	1	4.00	1.00
253	Trave f.	672	682	1	1	4.00	1.00
254	Trave f.	2244	2234	1	1	4.00	1.00
255	Trave f.	936	926	1	1	4.00	1.00
256	Trave f.	1752	1742	1	1	4.00	1.00
257	Trave f.	682	692	1	1	4.00	1.00
258	Trave f.	2254	2244	1	1	4.00	1.00
259	Trave f.	946	936	1	1	4.00	1.00
260	Trave f.	1762	1752	1	1	4.00	1.00
261	Trave f.	692	24	1	1	4.00	1.00
262	Trave f.	2299	2304	1	2	4.00	1.00
263	Trave f.	2300	28	1	2	4.00	1.00
264	Trave f.	2460	51	1	2	4.00	1.00
265	Trave f.	2409	29	1	2	4.00	1.00
266	Trave f.	2342	2352	1	2	4.00	1.00
267	Trave f.	2412	2409	1	2	4.00	1.00
268	Trave f.	2304	2322	1	2	4.00	1.00
269	Trave f.	2430	2412	1	2	4.00	1.00
270	Trave f.	2352	2362	1	2	4.00	1.00
271	Trave f.	2322	27	1	2	4.00	1.00
272	Trave f.	2440	2430	1	2	4.00	1.00
273	Trave f.	2362	2372	1	2	4.00	1.00
274	Trave f.	2372	2382	1	2	4.00	1.00
275	Trave f.	2382	2392	1	2	4.00	1.00
276	Trave f.	2392	2300	1	2	4.00	1.00
277	Trave f.	2465	2470	1	2	4.00	1.00
278	Trave f.	2466	58	1	2	4.00	1.00
279	Trave f.	2498	2508	1	2	4.00	1.00
280	Trave f.	2470	30	1	2	4.00	1.00
281	Trave f.	2508	2466	1	2	4.00	1.00
282	Trave f.	2523	33	1	2	4.00	1.00
283	Trave f.	2574	32	1	2	4.00	1.00
284	Trave f.	2526	2523	1	2	4.00	1.00
285	Trave f.	2544	2526	1	2	4.00	1.00
286	Trave f.	2554	2544	1	2	4.00	1.00
287	Trave f.	2589	2600	1	2	4.00	1.00
288	Trave f.	2591	35	1	2	4.00	1.00
289	Trave f.	2610	2615	1	2	4.00	1.00
290	Trave f.	2600	34	1	2	4.00	1.00
291	Trave f.	2615	2591	1	2	4.00	1.00
292	Trave f.	2677	2610	1	2	4.00	1.00
293	Trave f.	2617	2636	1	2	4.00	1.00
294	Trave f.	2676	24	1	2	4.00	1.00
295	Trave f.	2636	2646	1	2	4.00	1.00
296	Trave f.	2646	2656	1	2	4.00	1.00
297	Trave f.	2656	23	1	2	4.00	1.00
298	Trave f.	2717	2758	1	2	4.00	1.00
299	Trave f.	2715	22	1	2	4.00	1.00
300	Trave f.	2721	2715	1	2	4.00	1.00
301	Trave f.	2748	21	1	2	4.00	1.00
302	Trave f.	2758	2748	1	2	4.00	1.00
303	Trave f.	2773	2776	1	2	4.00	1.00
304	Trave f.	2824	62	1	2	4.00	1.00
305	Trave f.	2776	2794	1	2	4.00	1.00

306	Trave f.	2794	2804	1	2	4.00	1.00
307	Trave f.	2804	19	1	2	4.00	1.00
308	Trave f.	2839	18	1	2	4.00	1.00
309	Trave f.	2841	2845	1	2	4.00	1.00
310	Trave f.	2882	2839	1	2	4.00	1.00
311	Trave f.	2845	2862	1	2	4.00	1.00
312	Trave f.	2862	17	1	2	4.00	1.00
313	Trave f.	2898	39	1	1	4.00	1.00
314	Trave f.	2908	2898	1	1	4.00	1.00
315	Trave f.	2918	2908	1	1	4.00	1.00
316	Trave f.	2928	2918	1	1	4.00	1.00
317	Trave f.	2938	2928	1	1	4.00	1.00
318	Trave f.	2947	3034	1	1	4.00	1.00
319	Trave f.	2949	2953	1	1	4.00	1.00
320	Trave f.	2959	3082	1	1	4.00	1.00
321	Trave f.	2947	2951	1	1	4.00	1.00
322	Trave f.	2949	1345	1	1	4.00	1.00
323	Trave f.	2961	1405	1	1	4.00	1.00
324	Trave f.	167	2947	1	1	4.00	1.00
325	Trave f.	2997	2949	1	1	4.00	1.00
326	Trave f.	2953	3118	1	1	4.00	1.00
327	Trave f.	3045	2961	1	1	4.00	1.00
328	Trave f.	2951	2955	1	1	4.00	1.00
329	Trave f.	3014	2997	1	1	4.00	1.00
330	Trave f.	3062	3045	1	1	4.00	1.00
331	Trave f.	2957	2961	1	1	4.00	1.00
332	Trave f.	2955	2959	1	1	4.00	1.00
333	Trave f.	3024	3014	1	1	4.00	1.00
334	Trave f.	3072	3062	1	1	4.00	1.00
335	Trave f.	3108	2957	1	1	4.00	1.00
336	Trave f.	3034	3024	1	1	4.00	1.00
337	Trave f.	3082	3072	1	1	4.00	1.00
338	Trave f.	3118	3108	1	1	4.00	1.00
339	Trave	5042	5052	1	3		
340	Trave	70	1796	1	3		
341	Trave	5002	5012	1	3		
342	Trave	81	480	1	3		
343	Trave	133	83	1	4		
344	Trave	182	2948	1	3		
345	Trave	2948	2952	1	3		
346	Trave	2960	3127	1	3		
347	Trave	2960	3090	1	3		
348	Trave	2950	2954	1	3		
349	Trave	2948	3042	1	3		
350	Trave	73	1304	1	3		
351	Trave	94	95	1	4		
352	Trave	85	119	1	4		
353	Trave	97	2340	1	4		
354	Trave	2791	2792	1	4		
355	Trave	4550	4560	1	3		
356	Trave	82	2282	1	3		
357	Trave	4510	4520	1	3		
358	Trave	93	135	1	8		
359	Trave	83	84	1	4		
360	Trave	2952	2956	1	3		
361	Trave	3060	2962	1	3		
362	Trave	2954	3126	1	3		
363	Trave	3012	2950	1	3		
364	Trave	85	137	1	3		
365	Trave	95	2319	1	4		
366	Trave	86	2890	1	4		
367	Trave	98	2485	1	4		
368	Trave	88	2832	1	4		
369	Trave	3736	3746	1	3		
370	Trave	133	1966	1	3		
371	Trave	3696	3706	1	3		
372	Trave	480	490	1	3		
373	Trave	3070	3060	1	3		
374	Trave	3022	3012	1	3		
375	Trave	134	1474	1	3		
376	Trave	119	2842	1	4		
377	Trave	120	2448	1	4		
378	Trave	2792	2802	1	4		
379	Trave	4034	4024	1	3		
380	Trave	94	2246	1	3		
381	Trave	5242	5232	1	3		
382	Trave	105	938	1	3		
383	Trave	84	3127	1	4		
384	Trave	2956	2960	1	3		
385	Trave	2958	2962	1	3		
386	Trave	97	1754	1	3		
387	Trave	96	2350	1	4		
388	Trave	87	126	1	4		
389	Trave	99	2506	1	4		
390	Trave	89	2718	1	4		
391	Trave	1796	1806	1	3		
392	Trave	3080	3070	1	3		
393	Trave	3032	3022	1	3		
394	Trave	1304	1314	1	3		
395	Trave	2340	120	1	4		
396	Trave	5282	5272	1	3		
397	Trave f.	2959	3130	1	1	4.00	1.00
398	Trave	124	6387	1	8		
399	Trave	3116	2958	1	3		
400	Trave	128	138	1	3		
401	Trave	2319	2320	1	4		
402	Trave	2840	87	1	4		
403	Trave	2485	2486	1	4		
404	Trave	131	89	1	4		
405	Trave	1966	1976	1	3		
406	Trave	490	500	1	3		

407	Trave	1474	1484	1	3
408	Trave	2842	2860	1	4
409	Trave	2427	98	1	4
410	Trave	2802	2812	1	4
411	Trave	4850	4840	1	3
412	Trave	2026	106	1	3
413	Trave	3934	3924	1	3
414	Trave	711	117	1	3
415	Trave	3127	3154	1	4
416	Trave	1534	109	1	3
417	Trave	2301	97	1	4
418	Trave	126	2791	1	4
419	Trave	100	132	1	4
420	Trave	90	2736	1	4
421	Trave	3090	3080	1	3
422	Trave	3042	3032	1	3
423	Trave	3806	5983	1	3
424	Trave	2282	6119	1	3
425	Trave	135	6389	1	8
426	Trave	3126	3116	1	3
427	Trave	137	128	1	3
428	Trave	2890	2840	1	4
429	Trave	2832	131	1	4
430	Trave	2428	2427	1	4
431	Trave	5352	5342	1	3
432	Trave	2036	2026	1	3
433	Trave	4750	4740	1	3
434	Trave	728	711	1	3
435	Trave	1544	1534	1	3
436	Trave	2350	2360	1	4
437	Trave	127	100	1	4
438	Trave	2718	2766	1	4
439	Trave	1806	1816	1	3
440	Trave	1314	1324	1	3
441	Trave	122	94	1	3
442	Trave	136	105	1	8
443	Trave	138	97	1	3
444	Trave	2320	2330	1	4
445	Trave	2486	99	1	4
446	Trave	1976	1986	1	3
447	Trave	500	510	1	3
448	Trave	1484	1494	1	3
449	Trave	2860	2870	1	4
450	Trave	2812	88	1	4
451	Trave	3974	3964	1	3
452	Trave	3776	3786	1	3
453	Trave	101	2562	1	4
454	Trave	91	2618	1	4
455	Trave	4044	4034	1	3
456	Trave	2438	2428	1	4
457	Trave	2046	2036	1	3
458	Trave	738	728	1	3
459	Trave	1554	1544	1	3
460	Trave	2467	127	1	4
461	Trave	4860	4850	1	3
462	Trave	5322	5312	1	3
463	Trave	132	2582	1	4
464	Trave	2716	91	1	4
465	Trave	6011	6046	1	4
466	Trave	4220	6009	1	6
467	Trave	2360	2370	1	4
468	Trave	2756	90	1	4
469	Trave	1816	1826	1	3
470	Trave	1324	1334	1	3
471	Trave	2330	96	1	4
472	Trave	1986	1996	1	3
473	Trave	510	520	1	3
474	Trave	1494	1504	1	3
475	Trave	2870	86	1	4
476	Trave	6046	6047	1	4
477	Trave	3388	5973	1	5
478	Trave	102	2666	1	4
479	Trave	92	2668	1	4
480	Trave	6047	6048	1	4
481	Trave	2448	2438	1	4
482	Trave	2056	2046	1	3
483	Trave	748	738	1	3
484	Trave	1564	1554	1	3
485	Trave	2506	2516	1	4
486	Trave	4790	4780	1	3
487	Trave	5012	5022	1	3
488	Trave	2736	2716	1	4
489	Trave	2766	2756	1	4
490	Trave	5052	5062	1	3
491	Trave	4014	4004	1	3
492	Trave	2541	102	1	4
493	Trave	2618	2621	1	4
494	Trave	2582	101	1	4
495	Trave	6048	6049	1	4
496	Trave	4520	4530	1	3
497	Trave	2370	2380	1	4
498	Trave	1826	1836	1	3
499	Trave	1334	1344	1	3
500	Trave	1996	2006	1	3
501	Trave	520	530	1	3
502	Trave	1504	1514	1	3
503	Trave	4560	4570	1	3
504	Trave	3706	3716	1	3
505	Trave	103	2680	1	4
506	Trave	2668	93	1	4
507	Trave	3746	3756	1	3

508	Trave	2066	2056	1	3
509	Trave	758	748	1	3
510	Trave	1574	1564	1	3
511	Trave	2542	2541	1	4
512	Trave	5292	5282	1	3
513	Trave	4830	4820	1	3
514	Trave	2666	2707	1	4
515	Trave	2516	2467	1	4
516	Trave	6049	6050	1	4
517	Trave	5252	5242	1	3
518	Trave	2621	2638	1	4
519	Trave	6050	6051	1	4
520	Trave	3944	3934	1	3
521	Trave	2380	2390	1	4
522	Trave	1836	1846	1	3
523	Trave	1344	1354	1	3
524	Trave	2006	2016	1	3
525	Trave	530	540	1	3
526	Trave	1514	1524	1	3
527	Trave	6051	6052	1	4
528	Trave	3786	3796	1	3
529	Trave	104	105	1	4
530	Trave	2076	2066	1	3
531	Trave	768	758	1	3
532	Trave	1584	1574	1	3
533	Trave	2552	2542	1	4
534	Trave	6052	6053	1	4
535	Trave	4760	4750	1	3
536	Trave	2603	104	1	4
537	Trave	2707	103	1	4
538	Trave	6053	6054	1	4
539	Trave	5022	5032	1	3
540	Trave	2638	2648	1	4
541	Trave	3984	3974	1	3
542	Trave	4530	4540	1	3
543	Trave	2390	2400	1	4
544	Trave	1846	1856	1	3
545	Trave	1354	1364	1	3
546	Trave	2016	82	1	3
547	Trave	540	550	1	3
548	Trave	1524	85	1	3
549	Trave	4800	4790	1	3
550	Trave	5332	5322	1	3
551	Trave	2086	2076	1	3
552	Trave	778	768	1	3
553	Trave	1594	1584	1	3
554	Trave	2562	2552	1	4
555	Trave	5062	5965	1	3
556	Trave	4024	4014	1	3
557	Trave	2604	2603	1	4
558	Trave	4570	5992	1	3
559	Trave	3716	3726	1	3
560	Trave	2648	92	1	4
561	Trave	3756	3766	1	3
562	Trave	5262	5252	1	3
563	Trave	2400	2301	1	4
564	Trave	1856	1866	1	3
565	Trave	1364	1374	1	3
566	Trave	550	560	1	3
567	Trave	6054	5992	1	4
568	Trave	4840	4830	1	3
569	Trave	2096	2086	1	3
570	Trave	788	778	1	3
571	Trave	1604	1594	1	3
572	Trave	2607	2604	1	4
573	Trave	5302	5292	1	3
574	Trave	3796	3806	1	3
575	Trave	6041	6008	1	3
576	Trave	3954	3944	1	3
577	Trave	1866	1876	1	3
578	Trave	1374	1384	1	3
579	Trave	560	570	1	3
580	Trave	3994	3984	1	3
581	Trave	4770	4760	1	3
582	Trave	2106	2096	1	3
583	Trave	798	788	1	3
584	Trave	1614	1604	1	3
585	Trave	2680	2607	1	4
586	Trave	6008	6014	1	3
587	Trave	5032	5042	1	3
588	Trave	4810	4800	1	3
589	Trave	4540	4550	1	3
590	Trave	1876	1886	1	3
591	Trave	1384	1394	1	3
592	Trave	570	580	1	3
593	Trave	3766	3776	1	3
594	Trave	5342	5332	1	3
595	Trave	2116	2106	1	3
596	Trave	808	798	1	3
597	Trave	1624	1614	1	3
598	Trave	6014	6040	1	3
599	Trave	3726	3736	1	3
600	Trave	5312	5302	1	3
601	Trave	5272	5262	1	3
602	Trave	1886	1896	1	3
603	Trave	1394	1404	1	3
604	Trave	580	590	1	3
605	Trave	2126	2116	1	3
606	Trave	818	808	1	3
607	Trave	1634	1624	1	3
608	Trave	4004	3994	1	3

609	Trave	3964	3954	1	3		
610	Trave	1896	1906	1	3		
611	Trave	1404	1414	1	3		
612	Trave	590	600	1	3		
613	Trave	2136	2126	1	3		
614	Trave	828	818	1	3		
615	Trave	1644	1634	1	3		
616	Trave	4820	4810	1	3		
617	Trave	4780	4770	1	3		
618	Trave	1906	1916	1	3		
619	Trave	1414	1424	1	3		
620	Trave	600	610	1	3		
621	Trave	2146	2136	1	3		
622	Trave	838	828	1	3		
623	Trave	1654	1644	1	3		
624	Trave	1916	1926	1	3		
625	Trave	1424	1434	1	3		
626	Trave	610	620	1	3		
627	Trave	2156	2146	1	3		
628	Trave	848	838	1	3		
629	Trave	1664	1654	1	3		
630	Trave	1926	1936	1	3		
631	Trave	1434	1444	1	3		
632	Trave	620	630	1	3		
633	Trave	2166	2156	1	3		
634	Trave	858	848	1	3		
635	Trave	1674	1664	1	3		
636	Trave	1936	1946	1	3		
637	Trave	1444	1454	1	3		
638	Trave	630	640	1	3		
639	Trave	2176	2166	1	3		
640	Trave	868	858	1	3		
641	Trave	1684	1674	1	3		
642	Trave	1946	1956	1	3		
643	Trave	1454	1464	1	3		
644	Trave	640	650	1	3		
645	Trave	2186	2176	1	3		
646	Trave	878	868	1	3		
647	Trave	1694	1684	1	3		
648	Trave	1956	133	1	4		
649	Trave	1464	134	1	4		
650	Trave	650	660	1	3		
651	Trave	2196	2186	1	3		
652	Trave	888	878	1	3		
653	Trave	1704	1694	1	3		
654	Trave	660	670	1	3		
655	Trave	2206	2196	1	3		
656	Trave	898	888	1	3		
657	Trave	1714	1704	1	3		
658	Trave	670	680	1	3		
659	Trave	2216	2206	1	3		
660	Trave	908	898	1	3		
661	Trave	1724	1714	1	3		
662	Trave	680	690	1	3		
663	Trave	2226	2216	1	3		
664	Trave	918	908	1	3		
665	Trave	1734	1724	1	3		
666	Trave	690	700	1	3		
667	Trave	2236	2226	1	3		
668	Trave	928	918	1	3		
669	Trave	1744	1734	1	3		
670	Trave	700	93	1	3		
671	Trave	2246	2236	1	3		
672	Trave	938	928	1	3		
673	Trave	1754	1744	1	3		
674	Trave f.	3130	3146	1	2	4.00	1.00
675	Trave	3154	3164	1	4		
676	Trave f.	3146	3156	1	2	4.00	1.00
677	Trave	3164	3174	1	4		
678	Trave f.	3156	3166	1	2	4.00	1.00
679	Trave	3174	3184	1	4		
680	Trave f.	3166	3176	1	2	4.00	1.00
681	Trave	3184	3194	1	4		
682	Trave f.	3176	3186	1	2	4.00	1.00
683	Trave	3194	3204	1	4		
684	Trave f.	3186	3196	1	2	4.00	1.00
685	Trave	3204	3214	1	4		
686	Trave f.	3196	3206	1	2	4.00	1.00
687	Trave	3214	3224	1	4		
688	Trave f.	3206	3216	1	2	4.00	1.00
689	Trave	3224	3234	1	4		
690	Trave f.	3216	3226	1	2	4.00	1.00
691	Trave	3234	3244	1	4		
692	Trave f.	3226	3236	1	2	4.00	1.00
693	Trave	3244	134	1	4		
694	Trave f.	3236	65	1	2	4.00	1.00
695	Trave	130	131	1	3		
696	Trave	131	132	1	3		
697	Trave	132	129	1	3		
698	Trave	5962	4077	1	6		
699	Trave	5963	4902	1	3		
700	Trave	5963	3247	1	5		
701	Trave	5964	3586	1	3		
702	Trave	5965	5966	1	4		
703	Trave	3288	5967	1	3		
704	Trave	5967	5968	1	3		
705	Trave	5969	5970	1	3		
706	Trave	5969	5624	1	3		
707	Trave	5971	5972	1	3		
708	Trave	5967	5043	1	3		
709	Trave	5973	4410	1	3		

710	Trave	5974	5975	1	4
711	Trave	5976	5977	1	4
712	Trave	5978	5443	1	4
713	Trave	5880	5881	1	4
714	Trave	5979	4132	1	6
715	Trave	5980	5388	1	3
716	Trave	5981	6129	1	5
717	Trave	5983	5984	1	3
718	Trave	5966	5985	1	4
719	Trave	5968	5986	1	3
720	Trave	5240	5987	1	3
721	Trave	5972	4748	1	3
722	Trave	4728	5971	1	3
723	Trave	5976	5988	1	3
724	Trave	5975	5422	1	4
725	Trave	5989	3444	1	4
726	Trave	5990	5584	1	4
727	Trave	5991	5921	1	4
728	Trave	4077	5979	1	6
729	Trave	5965	5072	1	3
730	Trave	3247	5981	1	5
731	Trave	3586	3596	1	3
732	Trave	5340	5240	1	3
733	Trave	4828	4728	1	3
734	Trave	5992	4580	1	3
735	Trave	5977	5929	1	4
736	Trave	5993	5550	1	4
737	Trave	5881	5891	1	4
738	Trave	5994	4120	1	6
739	Trave	5974	5352	1	3
740	Trave	5982	3288	1	5
741	Trave	5995	4044	1	3
742	Trave	5985	5970	1	4
743	Trave	5986	5969	1	3
744	Trave	5996	5987	1	3
745	Trave	5978	4860	1	3
746	Trave	5997	5453	1	4
747	Trave	5998	5999	1	4
748	Trave	6000	5605	1	4
749	Trave	6001	6002	1	4
750	Trave	4902	4912	1	3
751	Trave	5475	5340	1	3
752	Trave	4943	4828	1	3
753	Trave	4410	4420	1	3
754	Trave	5443	5993	1	4
755	Trave	3668	5994	1	6
756	Trave	5388	4967	1	3
757	Trave	6004	6391	1	3
758	Trave	4012	5996	1	3
759	Trave	6006	6007	1	3
760	Trave	5422	5423	1	4
761	Trave	5928	5998	1	4
762	Trave	5584	5585	1	4
763	Trave	6008	6001	1	4
764	Trave	5072	5082	1	3
765	Trave	3596	3606	1	3
766	Trave	4580	4590	1	3
767	Trave	5929	5947	1	4
768	Trave	5529	5990	1	4
769	Trave	5891	5901	1	4
770	Trave	6009	4238	1	6
771	Trave	5132	5962	1	3
772	Trave	5973	3406	1	5
773	Trave	3817	6010	1	3
774	Trave	5970	6011	1	4
775	Trave	4640	6009	1	3
776	Trave	6012	5978	1	4
777	Trave	5999	5880	1	4
778	Trave	6013	6014	1	4
779	Trave	6015	5826	1	4
780	Trave	5624	5475	1	3
781	Trave	5043	4943	1	3
782	Trave	3768	3668	1	6
783	Trave	6123	122	1	3
784	Trave	5984	6393	1	3
785	Trave	4748	4012	1	3
786	Trave	5988	6006	1	3
787	Trave	3444	5928	1	4
788	Trave	5921	6008	1	4
789	Trave	5530	5529	1	4
790	Trave	4120	4130	1	6
791	Trave	5142	5132	1	3
792	Trave	3288	3298	1	5
793	Trave	3834	3817	1	3
794	Trave	4650	4640	1	3
795	Trave	5453	5463	1	4
796	Trave	6016	6013	1	4
797	Trave	6002	5856	1	4
798	Trave	4912	4922	1	3
799	Trave	4420	4430	1	3
800	Trave	5370	5974	1	3
801	Trave	6005	5995	1	3
802	Trave	6007	5978	1	3
803	Trave	5423	5433	1	4
804	Trave	5585	6000	1	4
805	Trave	5082	5092	1	3
806	Trave	3606	3616	1	3
807	Trave	4590	4600	1	3
808	Trave	5947	5957	1	4
809	Trave	5901	5991	1	4
810	Trave	6017	4264	1	6

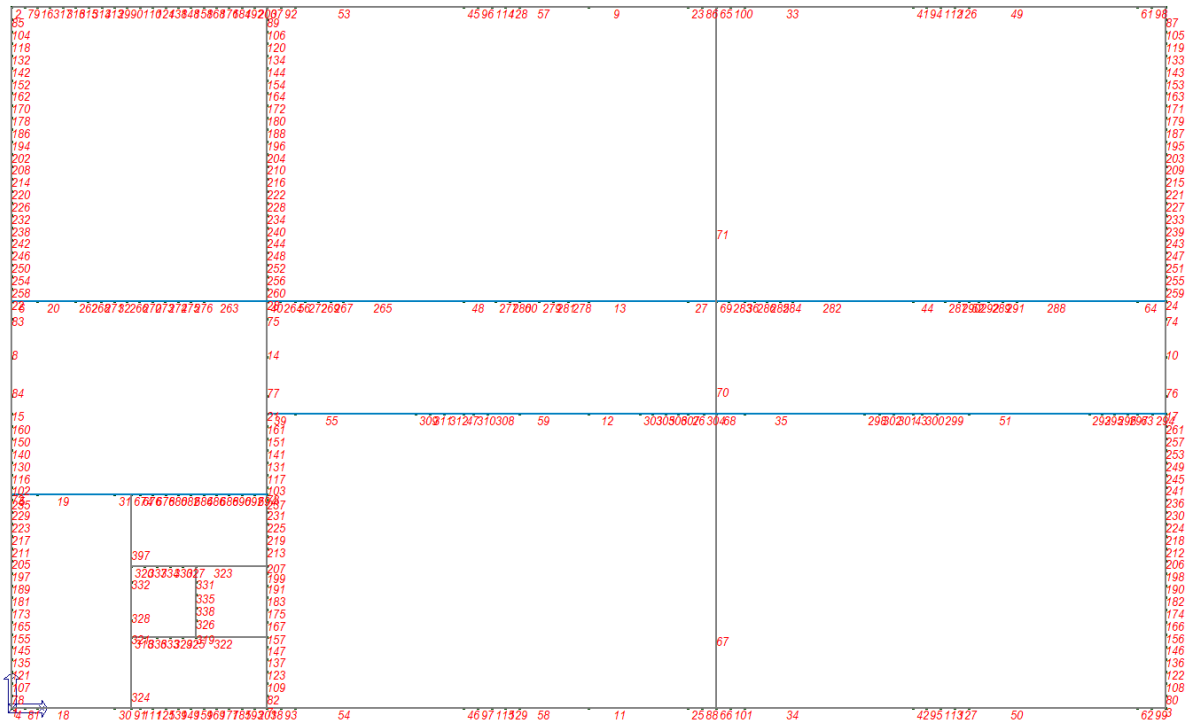
811	Trave	6018	3432	1	5
812	Trave	6019	5660	1	4
813	Trave	6020	6021	1	4
814	Trave	3892	3768	1	6
815	Trave	5540	5530	1	4
816	Trave	5152	5142	1	3
817	Trave	3844	3834	1	3
818	Trave	4660	4650	1	3
819	Trave	6022	6016	1	4
820	Trave	6023	6415	1	6
821	Trave	6024	6331	1	5
822	Trave	6014	5680	1	4
823	Trave	6025	6020	1	4
824	Trave	4130	4140	1	6
825	Trave	3298	3308	1	5
826	Trave	5463	5473	1	4
827	Trave	5846	6015	1	4
828	Trave	4922	4932	1	3
829	Trave	4430	4440	1	3
830	Trave	5433	5997	1	4
831	Trave	5092	5102	1	3
832	Trave	3616	3626	1	3
833	Trave	4600	4610	1	3
834	Trave	5957	5989	1	4
835	Trave	6026	6485	1	6
836	Trave	6028	6366	1	5
837	Trave	6030	5760	1	4
838	Trave	6031	5762	1	4
839	Trave	3992	3892	1	6
840	Trave	5550	5540	1	4
841	Trave	5162	5152	1	3
842	Trave	3854	3844	1	3
843	Trave	4670	4660	1	3
844	Trave	5605	5615	1	4
845	Trave	4238	6023	1	6
846	Trave	3406	6024	1	5
847	Trave	5826	6025	1	4
848	Trave	5856	5846	1	4
849	Trave	4264	4274	1	6
850	Trave	3432	3442	1	5
851	Trave	5639	6030	1	4
852	Trave	6021	5715	1	4
853	Trave	5680	6019	1	4
854	Trave	4140	4150	1	6
855	Trave	3308	3318	1	5
856	Trave	5473	5483	1	4
857	Trave	4932	4942	1	3
858	Trave	4440	4450	1	3
859	Trave	5102	5112	1	3
860	Trave	3626	3636	1	3
861	Trave	4610	4620	1	3
862	Trave	6032	4310	1	6
863	Trave	6033	3478	1	5
864	Trave	6034	5774	1	4
865	Trave	5762	5983	1	4
866	Trave	4132	3992	1	6
867	Trave	5172	5162	1	3
868	Trave	3864	3854	1	3
869	Trave	4680	4670	1	3
870	Trave	5640	5639	1	4
871	Trave	6027	6475	1	6
872	Trave	6029	6361	1	5
873	Trave	5760	5801	1	4
874	Trave	5615	6022	1	4
875	Trave	4274	4284	1	6
876	Trave	3442	3452	1	5
877	Trave	5715	5732	1	4
878	Trave	4150	4160	1	6
879	Trave	3318	3328	1	5
880	Trave	5483	5493	1	4
881	Trave	4942	4952	1	3
882	Trave	4450	4460	1	3
883	Trave	5112	5122	1	3
884	Trave	3636	3646	1	3
885	Trave	4620	4630	1	3
886	Trave	6035	6425	1	6
887	Trave	6037	6301	1	5
888	Trave	6039	5995	1	4
889	Trave	5182	5172	1	3
890	Trave	3874	3864	1	3
891	Trave	4690	4680	1	3
892	Trave	5650	5640	1	4
893	Trave	6040	4328	1	6
894	Trave	6041	3496	1	5
895	Trave	5699	6039	1	4
896	Trave	5801	6034	1	4
897	Trave	4284	6026	1	6
898	Trave	3452	6028	1	5
899	Trave	5732	5742	1	4
900	Trave	4160	4170	1	6
901	Trave	3328	3338	1	5
902	Trave	5493	5503	1	4
903	Trave	4952	4962	1	3
904	Trave	4460	4470	1	3
905	Trave	5122	5980	1	3
906	Trave	3646	3656	1	3
907	Trave	4630	5976	1	3
908	Trave	6036	4354	1	6
909	Trave	6038	3522	1	5
910	Trave	5192	5182	1	3
911	Trave	3884	3874	1	3

912	Trave	4700	4690	1	3
913	Trave	5660	5650	1	4
914	Trave	4310	6040	1	6
915	Trave	3478	6041	1	5
916	Trave	5700	5699	1	4
917	Trave	4328	6035	1	6
918	Trave	3496	6037	1	5
919	Trave	5742	6031	1	4
920	Trave	4170	4180	1	6
921	Trave	3338	3348	1	5
922	Trave	5503	6012	1	4
923	Trave	4962	4972	1	3
924	Trave	4470	4480	1	3
925	Trave	3656	3666	1	3
926	Trave	6042	6435	1	6
927	Trave	6044	6271	1	5
928	Trave	5202	5192	1	3
929	Trave	3894	3884	1	3
930	Trave	4710	4700	1	3
931	Trave	5703	5700	1	4
932	Trave	4354	4364	1	6
933	Trave	3522	3532	1	5
934	Trave	4180	4190	1	6
935	Trave	3348	3358	1	5
936	Trave	4972	4982	1	3
937	Trave	4480	4490	1	3
938	Trave	3666	3676	1	3
939	Trave	6043	4400	1	6
940	Trave	6045	3568	1	5
941	Trave	5212	5202	1	3
942	Trave	3904	3894	1	3
943	Trave	4720	4710	1	3
944	Trave	5774	5703	1	4
945	Trave	4364	4374	1	6
946	Trave	3532	3542	1	5
947	Trave	4190	4200	1	6
948	Trave	3358	3368	1	5
949	Trave	4982	4992	1	3
950	Trave	4490	4500	1	3
951	Trave	3676	3686	1	3
952	Trave	4400	6010	1	6
953	Trave	3568	5964	1	5
954	Trave	5222	5212	1	3
955	Trave	3914	3904	1	3
956	Trave	4730	4720	1	3
957	Trave	4374	6042	1	6
958	Trave	3542	6044	1	5
959	Trave	4200	4210	1	6
960	Trave	3368	3378	1	5
961	Trave	4992	5002	1	3
962	Trave	4500	4510	1	3
963	Trave	3686	3696	1	3
964	Trave	5232	5222	1	3
965	Trave	3924	3914	1	3
966	Trave	4740	4730	1	3
967	Trave	4210	4220	1	6
968	Trave	3378	3388	1	5
969	Trave	70	141	1	5
970	Trave	106	971	1	6
971	Trave	71	6134	1	5
972	Trave	107	2946	1	6
973	Trave	141	71	1	5
974	Trave	971	107	1	6
975	Trave	72	182	1	5
976	Trave	108	1014	1	6
977	Trave	2906	108	1	6
978	Trave	73	300	1	5
979	Trave	109	1132	1	6
980	Trave	2916	2906	1	6
981	Trave	182	192	1	5
982	Trave	1014	1024	1	6
983	Trave	74	326	1	5
984	Trave	110	1158	1	6
985	Trave	2926	2916	1	6
986	Trave	118	6221	1	5
987	Trave	121	6445	1	6
988	Trave	192	202	1	5
989	Trave	1024	1034	1	6
990	Trave	75	6215	1	5
991	Trave	111	6488	1	6
992	Trave	2936	2926	1	6
993	Trave	300	118	1	5
994	Trave	1132	121	1	6
995	Trave	326	336	1	5
996	Trave	1158	1168	1	6
997	Trave	2941	74	1	5
998	Trave	202	212	1	5
999	Trave	1034	1044	1	6
1000	Trave	76	372	1	5
1001	Trave	112	1204	1	6
1002	Trave	2946	2936	1	6
1003	Trave	2942	2941	1	5
1004	Trave	125	6218	1	5
1005	Trave	123	6480	1	6
1006	Trave	336	346	1	5
1007	Trave	1168	1178	1	6
1008	Trave	212	222	1	5
1009	Trave	1044	1054	1	6
1010	Trave	77	6159	1	5
1011	Trave	113	6455	1	6
1012	Trave	130	390	1	5

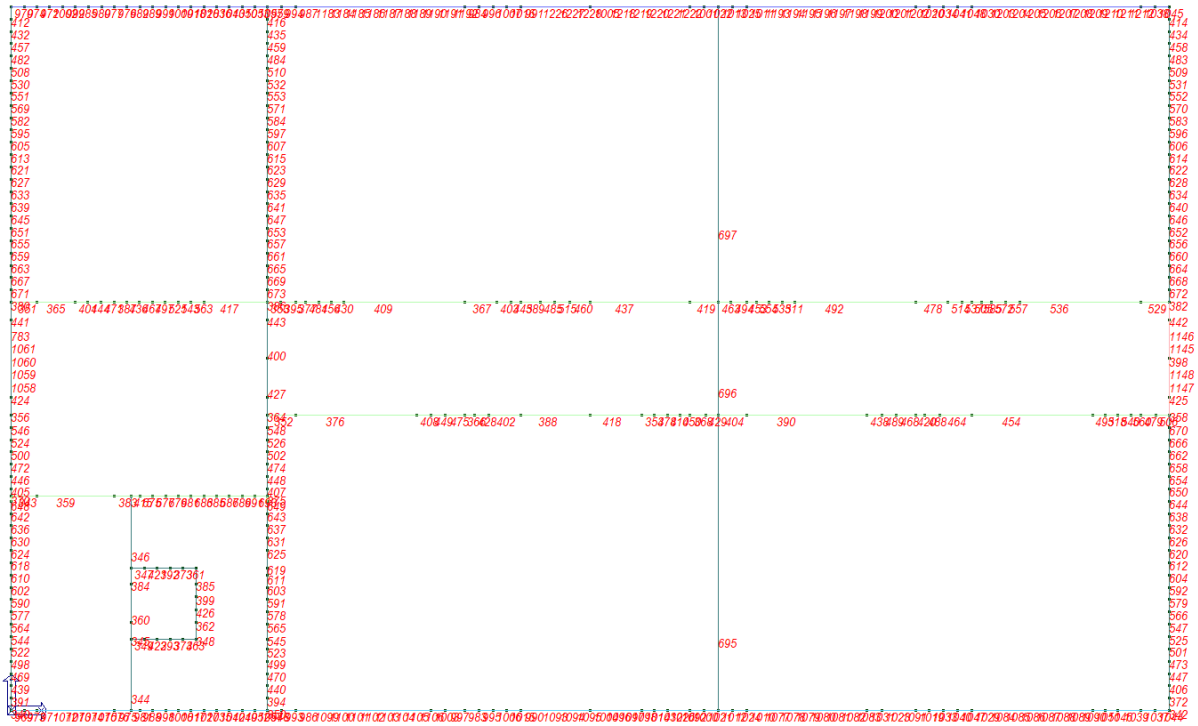
1013	Trave	129	1222	1	6
1014	Trave	1008	4094	1	5
1015	Trave	346	75	1	5
1016	Trave	1178	111	1	6
1017	Trave	222	232	1	5
1018	Trave	1054	1064	1	6
1019	Trave	78	416	1	5
1020	Trave	114	1248	1	6
1021	Trave	372	130	1	5
1022	Trave	1204	129	1	6
1023	Trave	4042	6193	1	5
1024	Trave	390	77	1	5
1025	Trave	1222	113	1	6
1026	Trave	2943	6214	1	5
1027	Trave	232	242	1	5
1028	Trave	1064	1074	1	6
1029	Trave	79	6166	1	5
1030	Trave	115	6465	1	6
1031	Trave	4052	4042	1	5
1032	Trave	4094	2943	1	5
1033	Trave	416	426	1	5
1034	Trave	1248	1258	1	6
1035	Trave	242	252	1	5
1036	Trave	1074	1084	1	6
1037	Trave	80	462	1	5
1038	Trave	116	1294	1	6
1039	Trave	4110	80	1	5
1040	Trave	426	436	1	5
1041	Trave	1258	1268	1	6
1042	Trave	252	262	1	5
1043	Trave	1084	1094	1	6
1044	Trave	462	81	1	5
1045	Trave	1294	117	1	6
1046	Trave	4112	4110	1	5
1047	Trave	436	79	1	5
1048	Trave	1268	115	1	6
1049	Trave	262	272	1	5
1050	Trave	1094	1104	1	6
1051	Trave	4114	4112	1	5
1052	Trave	272	282	1	5
1053	Trave	1104	1114	1	6
1054	Trave	282	73	1	5
1055	Trave	1114	109	1	6
1056	Trave	3338	5971	1	3
1057	Trave	5987	6049	1	3
1058	Trave	6119	6120	1	3
1059	Trave	6120	6121	1	3
1060	Trave	6121	6122	1	3
1061	Trave	6122	6123	1	3
1062	Trave	4967	4968	1	3
1063	Trave	4968	4969	1	3
1064	Trave	4969	4974	1	3
1065	Trave	4974	4975	1	3
1066	Trave	4975	5370	1	3
1067	Trave	6129	6130	1	5
1068	Trave	6130	6131	1	5
1069	Trave	6131	6132	1	5
1070	Trave	6132	6133	1	5
1071	Trave	6133	5982	1	5
1072	Trave	6134	6135	1	5
1073	Trave	6135	6136	1	5
1074	Trave	6136	6137	1	5
1075	Trave	6137	6138	1	5
1076	Trave	6138	72	1	5
1077	Trave	6159	6160	1	5
1078	Trave	6160	6161	1	5
1079	Trave	6161	6162	1	5
1080	Trave	6162	6163	1	5
1081	Trave	6163	6164	1	5
1082	Trave	6164	6165	1	5
1083	Trave	6165	4052	1	5
1084	Trave	6166	6167	1	5
1085	Trave	6167	6168	1	5
1086	Trave	6168	6169	1	5
1087	Trave	6169	6170	1	5
1088	Trave	6170	6171	1	5
1089	Trave	6171	6172	1	5
1090	Trave	6172	4114	1	5
1091	Trave	6193	78	1	5
1092	Trave	6214	76	1	5
1093	Trave	6215	6216	1	5
1094	Trave	6216	6217	1	5
1095	Trave	6217	125	1	5
1096	Trave	6218	6219	1	5
1097	Trave	6219	6220	1	5
1098	Trave	6220	1008	1	5
1099	Trave	6221	6222	1	5
1100	Trave	6222	6223	1	5
1101	Trave	6223	6224	1	5
1102	Trave	6224	6225	1	5
1103	Trave	6225	6226	1	5
1104	Trave	6226	6227	1	5
1105	Trave	6227	6228	1	5
1106	Trave	6228	2942	1	5
1107	Trave	6271	6272	1	5
1108	Trave	6272	6273	1	5
1109	Trave	6273	6274	1	5
1110	Trave	6274	6275	1	5
1111	Trave	6275	6276	1	5
1112	Trave	6276	6277	1	5
1113	Trave	6277	6278	1	5

1114	Trave	6278	6279	1	5
1115	Trave	6279	6280	1	5
1116	Trave	6280	6045	1	5
1117	Trave	6301	6302	1	5
1118	Trave	6302	6303	1	5
1119	Trave	6303	6304	1	5
1120	Trave	6304	6305	1	5
1121	Trave	6305	6306	1	5
1122	Trave	6306	6307	1	5
1123	Trave	6307	6308	1	5
1124	Trave	6308	6309	1	5
1125	Trave	6309	6310	1	5
1126	Trave	6310	6038	1	5
1127	Trave	6331	6332	1	5
1128	Trave	6332	6333	1	5
1129	Trave	6333	6334	1	5
1130	Trave	6334	6335	1	5
1131	Trave	6335	6336	1	5
1132	Trave	6336	6337	1	5
1133	Trave	6337	6338	1	5
1134	Trave	6338	6339	1	5
1135	Trave	6339	6340	1	5
1136	Trave	6340	6018	1	5
1137	Trave	6361	6362	1	5
1138	Trave	6362	6363	1	5
1139	Trave	6363	6364	1	5
1140	Trave	6364	6365	1	5
1141	Trave	6365	6033	1	5
1142	Trave	6366	6367	1	5
1143	Trave	6367	6368	1	5
1144	Trave	6368	6029	1	5
1145	Trave	6387	6388	1	8
1146	Trave	6388	136	1	8
1147	Trave	6389	6390	1	8
1148	Trave	6390	124	1	8
1149	Trave	6391	6392	1	3
1150	Trave	6392	6005	1	3
1151	Trave	6393	6394	1	3
1152	Trave	6394	6004	1	3
1153	Trave	6415	6416	1	6
1154	Trave	6416	6417	1	6
1155	Trave	6417	6418	1	6
1156	Trave	6418	6419	1	6
1157	Trave	6419	6420	1	6
1158	Trave	6420	6421	1	6
1159	Trave	6421	6422	1	6
1160	Trave	6422	6423	1	6
1161	Trave	6423	6424	1	6
1162	Trave	6424	6017	1	6
1163	Trave	6425	6426	1	6
1164	Trave	6426	6427	1	6
1165	Trave	6427	6428	1	6
1166	Trave	6428	6429	1	6
1167	Trave	6429	6430	1	6
1168	Trave	6430	6431	1	6
1169	Trave	6431	6432	1	6
1170	Trave	6432	6433	1	6
1171	Trave	6433	6434	1	6
1172	Trave	6434	6036	1	6
1173	Trave	6435	6436	1	6
1174	Trave	6436	6437	1	6
1175	Trave	6437	6438	1	6
1176	Trave	6438	6439	1	6
1177	Trave	6439	6440	1	6
1178	Trave	6440	6441	1	6
1179	Trave	6441	6442	1	6
1180	Trave	6442	6443	1	6
1181	Trave	6443	6444	1	6
1182	Trave	6444	6043	1	6
1183	Trave	6445	6446	1	6
1184	Trave	6446	6447	1	6
1185	Trave	6447	6448	1	6
1186	Trave	6448	6449	1	6
1187	Trave	6449	6450	1	6
1188	Trave	6450	6451	1	6
1189	Trave	6451	6452	1	6
1190	Trave	6452	6453	1	6
1191	Trave	6453	6454	1	6
1192	Trave	6454	110	1	6
1193	Trave	6455	6456	1	6
1194	Trave	6456	6457	1	6
1195	Trave	6457	6458	1	6
1196	Trave	6458	6459	1	6
1197	Trave	6459	6460	1	6
1198	Trave	6460	6461	1	6
1199	Trave	6461	6462	1	6
1200	Trave	6462	6463	1	6
1201	Trave	6463	6464	1	6
1202	Trave	6464	114	1	6
1203	Trave	6465	6466	1	6
1204	Trave	6466	6467	1	6
1205	Trave	6467	6468	1	6
1206	Trave	6468	6469	1	6
1207	Trave	6469	6470	1	6
1208	Trave	6470	6471	1	6
1209	Trave	6471	6472	1	6
1210	Trave	6472	6473	1	6
1211	Trave	6473	6474	1	6
1212	Trave	6474	116	1	6
1213	Trave	6475	6476	1	6
1214	Trave	6476	6477	1	6

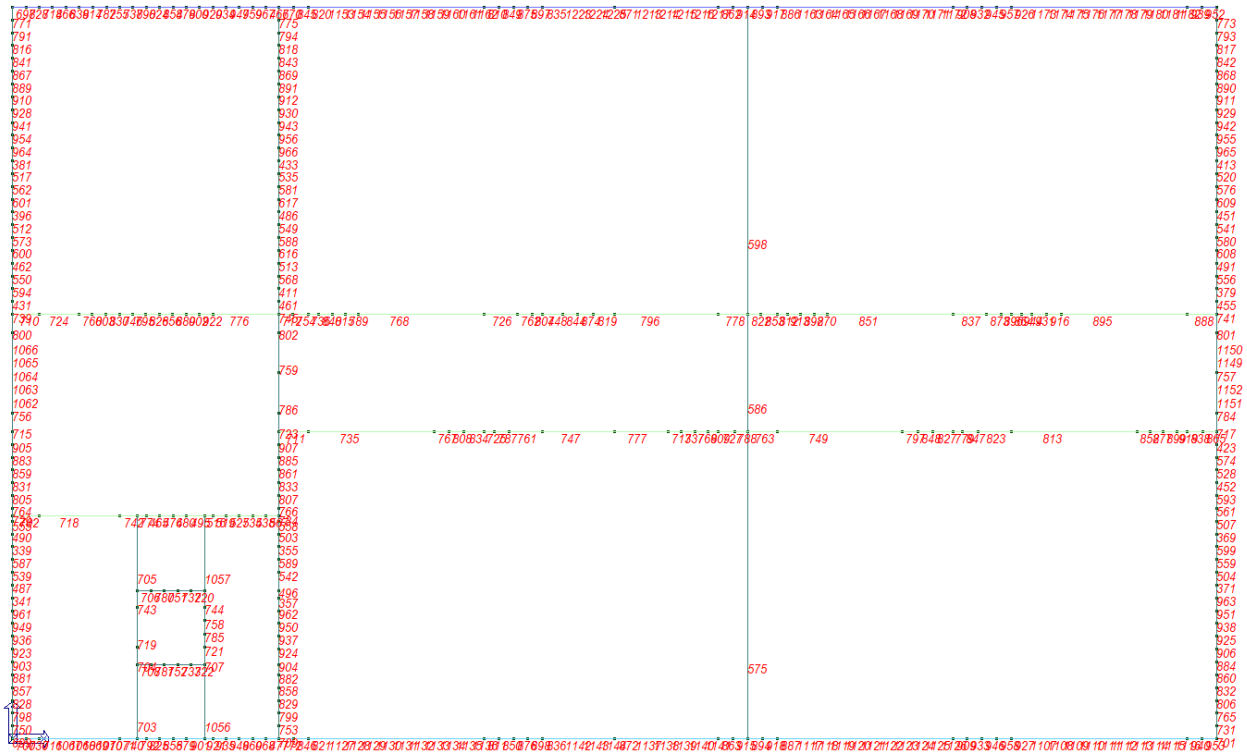
1215	Trave	6477	6478	1	6
1216	Trave	6478	6479	1	6
1217	Trave	6479	6032	1	6
1218	Trave	6480	6481	1	6
1219	Trave	6481	6482	1	6
1220	Trave	6482	6483	1	6
1221	Trave	6483	6484	1	6
1222	Trave	6484	112	1	6
1223	Trave	6485	6486	1	6
1224	Trave	6486	6487	1	6
1225	Trave	6487	6027	1	6
1226	Trave	6488	6489	1	6
1227	Trave	6489	6490	1	6
1228	Trave	6490	123	1	6



Fondazioni



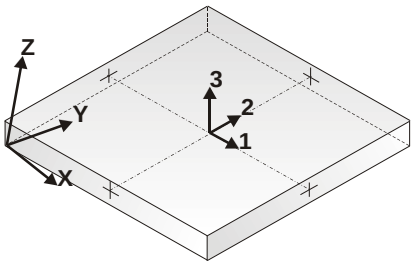
Solaio di piano



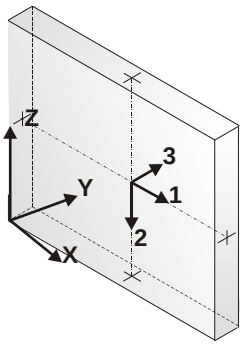
Copertura

MODELLAZIONE STRUTTURA: ELEMENTI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell. Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 3D non verticali

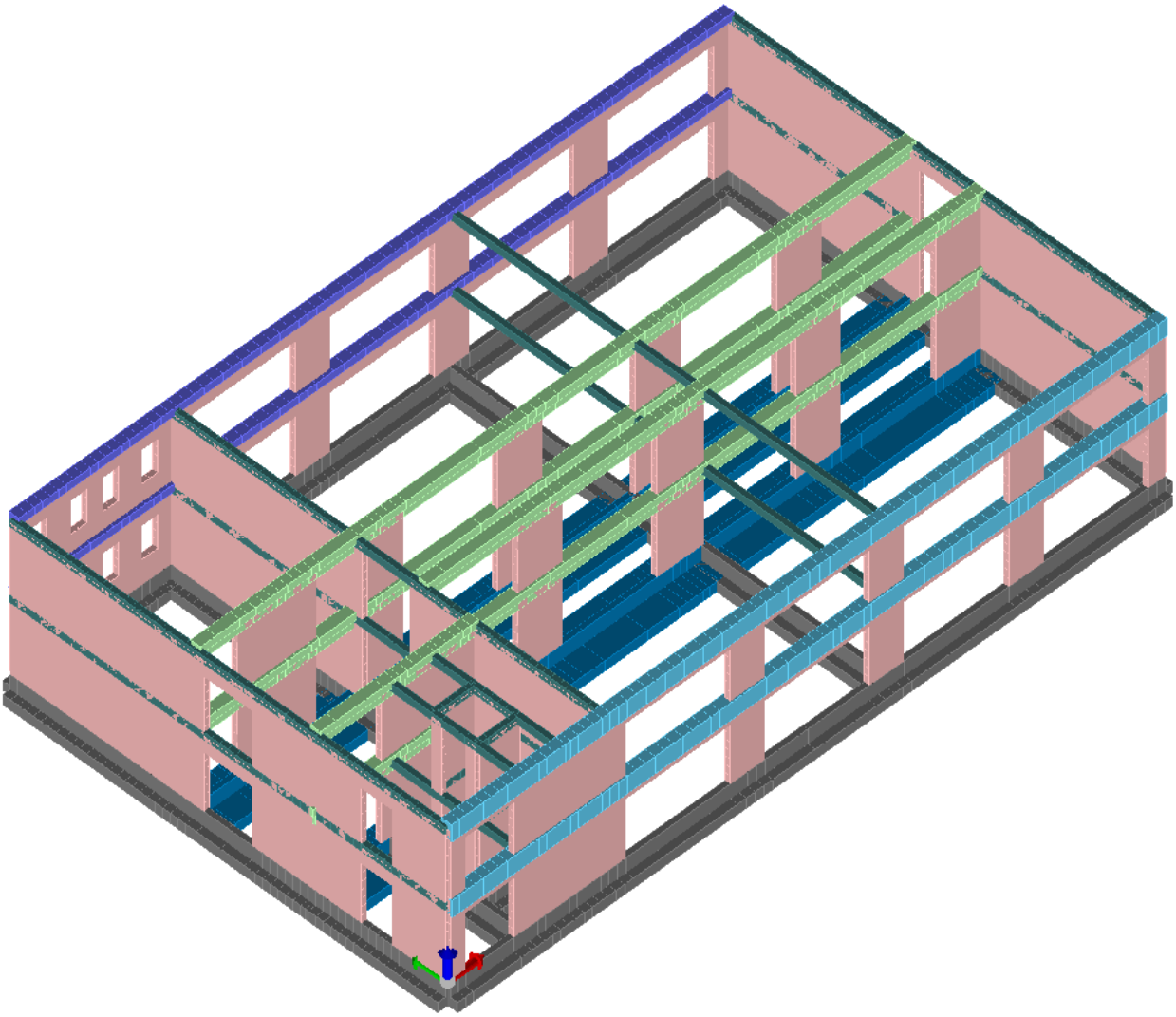


orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: *Guscio* (elemento guscio in elevazione non verticale) *Guscio fond.* (elemento guscio su suolo elastico) *Setto* (elemento guscio in elevazione verticale) *Membrana* (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)

Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale



MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello.
Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.
L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.
I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.
L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico ***Variab.*** Carico variabile generico ***Var. rid.*** Carico variabile generico con riduzione in funzione dell' area (c.5.5. …) ***Neve*** Carico
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore raro***
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore frequente***
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore quasi permanente***
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: ***per la definizione delle masse sismiche***
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

Elem	numero dell'elemento
Tipo	codice di comportamento ***S*** elemento utilizzato solo per scarico ***C*** elemento utilizzato per scarico e per modellazione piano rigido ***P*** elemento utilizzato come pannello ***M*** scarico monodirezionale ***B*** scarico bidirezionale
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali
Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla

progettazione con il metodo degli stati limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.
In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce instantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
	simboli utilizzati con il metodo delle tensioni ammissibili:
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
	simboli utilizzati con il metodo degli stati limite:
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).
Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura

sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.
Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [52].
- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.
(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)
In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

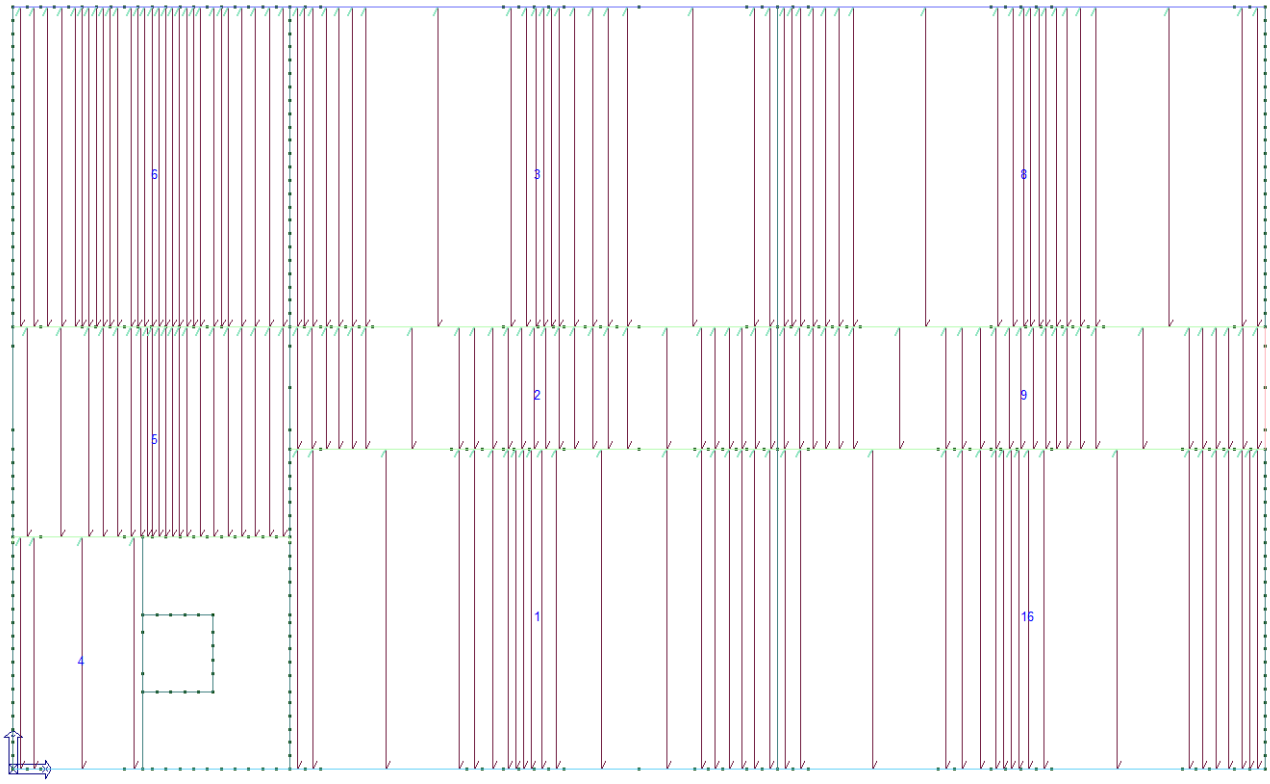
ID Arch.	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
		daN/cm2	daN/cm2	daN/cm2							
1	Variab.	5.00e-02	2.80e-02	3.00e-02		1.00	0.70	0.50	0.30	0.30	1.00
2	Variab.	5.00e-02	1.00e-02	2.00e-02		1.00	0.70	0.50	0.30	0.30	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
						daN/cm2	daN/cm2	daN/cm2					
1	CM	1	m=1	6.0	90.0	5.00e-02	2.80e-02	3.00e-02	1524	1514	1504	1494	1484
									1474	134	1464	1454	1444
									1434	1424	1414	1404	1394
									1384	1374	1364	1354	1344
									1334	1324	1314	1304	73
									300	118	2942	2941	74
									326	336	346	75	125
									1008	4094	2943	76	372
									130	131	88	2812	2802
									2792	2791	126	87	2840
									2890	86	2870	2860	2842
									119	85			
2	CM	1	m=1	6.0	90.0	5.00e-02	2.80e-02	3.00e-02	138	128	137	85	119
									2842	2860	2870	86	2890
									2840	87	126	2791	2792
									2802	2812	88	2832	131
									132	100	127	2467	2516

									2506	99	2486	2485	98
									2427	2428	2438	2448	120
									2340	97			
3	CM	1	m=1	6.0	90.0	5.00e-02	2.80e-02	3.00e-02	1534	1544	1554	1564	1574
									1584	1594	1604	1614	1624
									1634	1644	1654	1664	1674
									1684	1694	1704	1714	1724
									1734	1744	1754	97	2340
									120	2448	2438	2428	2427
									98	2485	2486	99	2506
									2516	2467	127	100	132
									129	1204	112	123	111
									1178	1168	1158	110	121
									1132	109			
4	CM	1	m=1	6.0	90.0	5.00e-02	2.80e-02	3.00e-02	1956	1946	1936	1926	1916
									1906	1896	1886	1876	1866
									1856	1846	1836	1826	1816
									1806	1796	70	141	72
									182	2948	2952	2956	2960
									3127	84	83	133	
5	CM	1	m=1	6.0	90.0	5.00e-02	2.80e-02	3.00e-02	122	6121	2282	82	2016
									2006	1996	1986	1976	1966
									133	83	84	3127	3154
									3164	3174	3184	3194	3204
									3214	3224	3234	3244	134
									1474	1484	1494	1504	1514
									1524	85	137	128	138
									97	2400	2380	2370	2360
									2350	96	2330	2320	2319
									95	94			
6	CM	1	m=1	6.0	90.0	5.00e-02	2.80e-02	3.00e-02	2026	2036	2046	2056	2066
									2076	2086	2096	2106	2116
									2126	2136	2146	2156	2166
									2176	2186	2196	2206	2216
									2226	2236	2246	94	95
									2319	2320	2330	96	2350
									2360	2370	2380	2390	2400
									2301	97	1754	1744	1734
									1724	1714	1704	1694	1684
									1674	1664	1654	1644	1634
									1624	1614	1604	1594	1584
									1574	1564	1554	1544	1534
									109	1114	1104	1094	1084
									1074	1064	1054	1044	1034
									1024	1014	108	2906	2916
									2926	2936	2946	107	971
									106				
7	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	5062	5052	5042	5032	5022
									5012	5002	4992	4982	4972
									4962	4952	4942	4932	4922
									4912	4902	5963	3247	5981
									5982	3288	5967	5968	5986
									5969	5970	5985	5966	5965
8	CM	1	m=1	6.0	90.0	5.00e-02	2.80e-02	3.00e-02	132	2582	101	2562	2552
									2542	2541	102	2666	2707
									103	2680	2607	2604	2603
									104	105	938	928	918
									908	898	888	878	868
									858	848	838	828	818
									808	798	788	778	768
									758	748	738	728	711
									117	1294	116	115	1268
									1258	1248	114	113	1222
									129				
9	CM	1	m=1	6.0	90.0	5.00e-02	2.80e-02	3.00e-02	131	89	2718	2766	2756
									90	2736	2716	91	2618
									2621	2638	2648	92	2668
									93	135	124	136	105
									104	2603	2604	2607	2680
									103	2707	2666	102	2541
									2542	2552	2562	101	2582
									132				
10	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	4630	4620	4610	4600	4590
									4580	5992	4570	4560	4550
									4540	4530	4520	4510	4500
									4490	4480	4470	4460	4450

									4440	4430	4420	4410	5973
									3406	6024	6018	3432	3442
									3452	6028	6029	6033	3478
									6041	6008	5921	5991	5901
									5891	5881	5880	5999	5998
									5928	3444	5989	5957	5947
									5929	5977	5976		
11	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	6007	6006	5988	5976	5977
									5929	5947	5957	5989	3444
									5928	5998	5999	5880	5881
									5891	5901	5991	5921	6008
									6014	6013	6016	6022	5615
									5605	6000	5585	5584	5990
									5529	5530	5540	5550	5993
									5443	5978			
12	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	4640	4650	4660	4670	4680
									4690	4700	4710	4720	4730
									4740	4750	4760	4770	4780
									4790	4800	4810	4820	4830
									4840	4850	4860	5978	5443
									5993	5550	5540	5530	5529
									5990	5584	5585	6000	5605
									5615	6022	6016	6013	6014
									6040	4310	6032	6027	6026
									4284	4274	4264	6017	6023
									4238	6009			
13	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	5987	5996	4012	4748	5972
									5971	3338	3348	3358	3368
									3378	3388	5973	4410	4420
									4430	4440	4450	4460	4470
									4480	4490	4500	4510	4520
									4530	4540	4550	4560	4570
									5992	6054	6053	6052	6051
									6050	6049			
14	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	5370	4969	5388	5980	5122
									5112	5102	5092	5082	5072
									5965	5966	5985	5970	6011
									6046	6047	6048	6049	6050
									6051	6052	6053	6054	5992
									4580	4590	4600	4610	4620
									4630	5976	5988	6006	6007
									5978	6012	5503	5483	5463
									5997	5433	5423	5422	5975
									5974				
15	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	5132	5142	5152	5162	5172
									5182	5192	5202	5212	5222
									5232	5242	5252	5262	5272
									5282	5292	5302	5312	5322
									5332	5342	5352	5974	5975
									5422	5423	5433	5997	5453
									5473	5483	5493	5503	6012
									5978	4860	4850	4840	4830
									4820	4810	4800	4790	4780
									4770	4760	4750	4740	4730
									4720	4710	4700	4690	4680
									4670	4660	4650	4640	6009
									4220	4210	4200	4190	4180
									4170	4160	4150	4140	4130
									4120	5994	3668	3768	3892
									3992	4132	5979	4077	5962
16	CM	1	m=1	6.0	90.0	5.00e-02	2.80e-02	3.00e-02	130	390	77	4052	4042
									78	416	426	436	79
									4114	4112	4110	80	462
									81	480	490	500	510
									520	530	540	550	560
									570	580	590	600	610
									620	630	640	650	660
									670	680	690	700	93
									2668	92	2648	2638	2621
									2618	91	2716	2736	90
									2756	2766	2718	89	131
17	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	6014	5680	6019	5660	5650
									5640	5639	6030	5760	5801
									6034	5774	5703	5700	5699
									6039	5995	4044	4034	4024
									4014	4004	3994	3984	3974

									3964	3954	3944	3934	3924
									3914	3904	3894	3884	3874
									3864	3854	3844	3834	3817
									6010	4400	6043	6042	4374
									4364	4354	6036	6035	4328
									6040				
18	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	6008	6001	6002	5856	5846
									6015	5826	6025	6020	6021
									5715	5732	5742	6031	5762
									5983	5984	6004	6005	5995
									6039	5699	5700	5703	5774
									6034	5801	5760	6030	5639
									5640	5650	5660	6019	5680
									6014				
19	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	5969	5624	5475	5340	5240
									5987	6049	6048	6046	5970
20	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	5986	5968	5967	5043	4943
									4828	4728	5971	5972	4748
									4012	5996	5987	5240	5340
									5475	5624	5969		
21	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	3288	3298	3308	3318	3328
									3338	5971	4728	4828	4943
									5043	5967			
22	CM	2	m=1	6.0	90.0	5.00e-02	1.00e-02	2.00e-02	6041	3496	6037	6038	3522
									3532	3542	6044	6045	3568
									5964	3586	3596	3606	3616
									3626	3636	3646	3656	3666
									3676	3686	3696	3706	3716
									3726	3736	3746	3756	3766
									3776	3786	3796	3806	5983
									5762	6031	5742	5732	5715
									6021	6020	6025	5826	6015
									5846	5856	6002	6001	6008



Solaio di piano

Solai Primo 1-2-3 e 8-9-16 (G=5.0+2.8 kN/mq ; Q=3.0 kN/mq)

SOLAIO PRIMO - 3 campate

SLU		Rara		Frequente		Quasi Perm.	
γ_{G1} =	1,3	γ_{G2} =	1,3	γ_{Q} =	1,5	ψ_{01} =	1
ψ_{11} =	0,5	ψ_{21} =	0,3				

TRAVE A 3 CAMPATE

	Q_1 kN/ml	L_1 m	Q_2 kN/ml	L_2 m	Q_3 kN/ml	L_3 m	R_A kN	R_B kN	R_C kN	R_D kN	M_A kNm	M_B kNm	M_C kNm	M_D kNm	T_{ad} kN	T_{bs} kN	T_{bd} kN	T_{cs} kN	T_{cd} kN	T_{ds} kN
G1	5,00	9,18	5,00	3,50	5,00	9,18	19,10	35,55	35,55	19,10	0,00	-35,36	-35,36	0,00	19,10	-26,80	8,75	-8,75	26,80	-19,10
G2	2,80	9,18	2,20	3,50	2,20	9,18	10,65	20,42	14,06	8,47	0,00	-20,23	-14,92	0,00	10,65	-15,06	5,37	-2,33	11,72	-8,47
Q_1	3,00	9,18	3,00	3,50	3,00	9,18	11,46	21,33	21,33	11,46	0,00	-21,22	-21,22	0,00	11,46	-16,08	5,25	-5,25	16,08	-11,46
Q_2	3,00	9,18	0,00	3,50	0,00	9,18	11,23	23,89	-7,93	0,35	0,00	-23,32	3,22	0,00	11,23	-16,31	7,58	7,58	-0,35	-0,35
Q_3	0,00	9,18	3,00	3,50	0,00	9,18	-0,12	5,37	5,37	-0,12	0,00	-1,11	-1,11	0,00	-0,12	-0,12	5,25	-5,25	0,12	0,12
Q_4	0,00	9,18	0,00	3,50	3,00	9,18	0,35	-7,93	23,89	11,23	0,00	3,22	-23,32	0,00	0,35	0,35	-7,58	-7,58	16,31	-11,23
Q_5	3,00	9,18	3,00	3,50	0,00	9,18	11,11	29,27	-2,56	0,23	0,00	-24,44	2,10	0,00	11,11	-16,43	12,83	2,33	-0,23	-0,23
Q_6	0,00	9,18	3,00	3,50	3,00	9,18	0,23	-2,56	29,27	11,11	0,00	2,10	-24,44	0,00	0,23	0,23	-2,33	-12,83	16,43	-11,11
Q_7	3,00	9,18	0,00	3,50	3,00	9,18	11,58	15,96	15,96	11,58	0,00	-20,10	-20,10	0,00	11,58	-15,96	0,00	0,00	15,96	-11,58

DISPOSIZIONE CARICHI

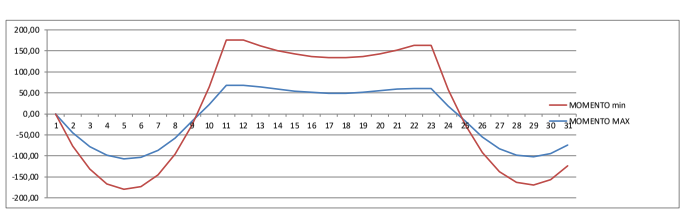
	1° camp.	2° camp.	3° camp.
G1	5,00	5,00	5,00
G2	2,80	2,20	2,20
Q_1	3,00	3,00	3,00
Q_2	3,00		
Q_3		3,00	
Q_4			3,00
Q_5	3,00	3,00	
Q_6		3,00	3,00
Q_7	3,00		3,00

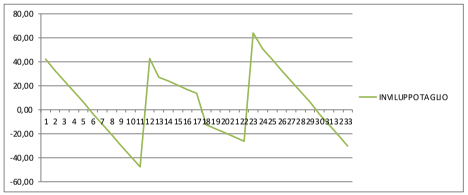
FLESSIONE

		A										B											C										D
		1	2	3	4	5	6	7	8	9	10	11	12	12	13	14	15	16	17	18	19	20	21		22	23	24	25	26	27	28	29	30	31
MOMENTO	L	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	9,530	9,880	10,230	10,580	10,930	11,280	11,630	11,980	12,330	12,680	12,680	13,598	14,516	15,434	16,352	17,270	18,188	19,106	20,024	20,942	21,860
	X	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	0,350	0,700	1,050	1,400	1,750	2,100	2,450	2,800	3,150	3,500	3,500	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180
G1		0,000	15,425	26,636	33,634	36,418	34,988	29,345	19,488	5,417	-12,867	-35,365	-35,365	-32,608	-30,465	-28,933	-28,015	-27,708	-28,015	-28,933	-30,465	-32,608	-35,365	-35,365	-12,867	5,417	19,488	29,345	34,988	36,418	33,634	26,636	15,425	0,000
G2		0,000	8,596	14,832	18,709	20,226	19,383	16,180	10,619	2,697	-7,584	-20,225	-20,225	-18,481	-17,007	-15,803	-14,868	-14,202	-13,806	-13,679	-13,822	-14,235	-14,917	-14,917	-5,082	2,899	9,025	13,298	15,717	16,281	14,992	11,849	6,851	0,000
Q_1		0,000	9,255	15,982	20,180	21,851	20,993	17,607	11,693	3,250	-7,720	-21,219	-21,219	-19,565	-18,279	-17,360	-16,809	-16,625	-16,809	-17,360	-18,279	-19,565	-21,219	-21,219	-7,720	3,250	11,693	17,607	20,993	21,851	20,180	15,982	9,255	0,000
Q_2		0,000	9,044	15,561	19,549	21,009	19,940	16,344	10,219	1,567	-9,614	-23,323	-23,323	-20,669	-18,015	-15,361	-12,706	-10,052	-7,398	-4,744	-2,090	0,565	3,219	3,219	2,897	2,575	2,253	1,931	1,609	1,288	0,966	0,644	0,322	0,000
Q_3		0,000	-0,111	-0,223	-0,334	-0,446	-0,557	-0,669	-0,780	-0,891	-1,003	-1,114	-1,114	0,540	1,826	2,745	3,296	3,480	3,296	2,745	1,826	0,540	-1,114	-1,114	-1,003	-0,891	-0,780	-0,669	-0,557	-0,446	-0,334	-0,223	-0,111	0,000
Q_4		0,000	0,322	0,644	0,966	1,288	1,609	1,931	2,253	2,575	2,897	3,219	3,219	0,565	-2,090	-4,744	-7,398	-10,052	-12,706	-15,361	-18,015	-20,669	-23,323	-23,323	-9,614	1,567	10,219	16,344	19,940	21,009	19,549	15,561	9,044	0,000
Q_5		0,000	8,933	15,338	19,215	20,563	19,383	15,675	9,439	0,675	-10,617	-24,438	-24,438	-20,130	-16,189	-12,616	-9,411	-6,573	-4,102	-1,999	-0,264	1,104	2,105	2,105	1,894	1,684	1,473	1,263	1,052	0,842	0,631	0,421	0,210	0,000
Q_6		0,000	0,210	0,421	0,631	0,842	1,052	1,263	1,473	1,684	1,894	2,105	2,105	1,104	-0,264	-1,999	-4,102	-6,573	-9,411	-12,616	-16,189	-20,130	-24,438	-24,438	-10,617	0,675	9,439	15,675	19,383	20,563	19,215	15,338	8,933	0,000
Q_7		0,000	9,366	16,204	20,514	22,296	21,550	18,275	12,473	4,142	-6,717	-20,104	-20,104	-20,104	-20,104	-20,104	-20,104	-20,104	-20,104	-20,104	-20,104	-20,104	-20,104	-20,104	-6,717	4,142	12,473	18,275	21,550	22,296	20,514	16,204	9,366	0,000
MAX	*alu*	0,000	45,276	78,215	98,817	107,080	103,007	86,596	57,847	16,761	-22,241	-67,438	-67,438	-64,760	-58,975	-54,040	-50,803	-49,264	-49,423	-51,280	-54,834	-59,239	-60,537	-60,537	-18,988	17,024	55,776	82,849	98,241	101,953	93,985	74,337	43,008	0,000
MIN	*slu*	0,000	31,060	53,574	67,543	72,968	69,846	58,180	37,968	9,212	-42,512	-108,923	-108,923	-97,420	-91,870	-88,314	-85,904	-84,640	-84,523	-85,553	-87,730	-91,900	-102,022	-102,022	-39,259	9,474	35,897	54,433	65,080	67,840	62,712	49,696	28,792	0,000
MAX	*rara*	0,000	33,387	57,673	72,857	78,939	75,921	63,801	42,579	12,256	-17,554	-52,371	-52,371	-49,985	-45,646	-41,991	-39,586	-38,431	-38,525	-39,868	-42,461	-45,739	-47,062	-47,062	-15,052	12,458	40,986	60,918	72,255	74,995	69,140	54,689	31,642	0,000
MIN	*rara*	0,000	23,909	41,245	52,008	56,197	53,814	44,857	29,326	7,223	-31,068	-80,027	-80,027	-71,759	-67,576	-64,841	-62,987	-62,015	-61,925	-62,717	-64,391	-67,512	-74,719	-74,719	-28,566	7,425	27,733	41,974	50,148	52,253	48,291	38,262	22,165	0,000
MAX	*frequente*	0,000	30,577	52,811	66,702	72,251	69,456	58,318	38,837	11,014	-18,423	-53,336	-53,336	-50,317	-46,194	-42,815	-40,575	-39,475	-39,513	-40,691	-43,009	-46,070	-48,028	-48,028	-15,921	11,215	37,244	55,435	65,790	68,306	62,986	49,828	28,833	0,000
MIN	*frequente*	0,000	23,943	41,312	52,108	56,331	53,981	45,057	29,560	7,490	-27,883	-72,896	-72,896	-65,558	-61,545	-58,809	-56,955	-55,983	-55,894	-56,686	-58,360	-61,311	-67,387	-67,387	-25,381	7,692	27,967	42,175	50,315	52,387	48,392	38,329	22,198	0,000
MAX	*q.permanente*	0,000	29,640	51,191	64,651	70,021	67,301	56,490	37,590	10,599	-18,713	-53,658	-53,658	-50,427	-46,376	-43,089	-40,905	-39,823	-39,843	-40,966	-43,191	-46,180	-48,350	-48,350	-16,211	10,801	35,997	53,608	63,635	66,077	60,934	48,207	27,896	0,000
MIN	*q.permanente*	0,000	23,954	41,334	52,142	56,376	54,037	45,124	29,638	7,580	-26,821	-70,252	-70,252	-63,491	-59,535	-56,799	-54,945	-53,973	-53,883	-54,675	-56,349	-59,244	-64,944	-64,944	-24,319	7,781	28,045	42,242	50,370	52,432	48,425	38,351	22,209	0,000

TAGLIO

		A_d										B_s	B_d										C_s	C_d									D_s
		1	2	3	4	5	6	7	8	9	10	11	11	12	13	14	15	16	17	18	19	20	21		22	23	24	25	26	27	28	29	30	31
TAGLIO	L	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	9,530	9,880	10,230	10,580	10,930	11,280	11,630	11,980	12,330	12,680	12,680	13,598	14,516	15,434	16,352	17,270	18,188	19,106	20,024	20,942	21,860
	X	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	0,350	0,700	1,050	1,400	1,750	2,100	2,450	2,800	3,150	3,500	3,500	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180
G1		19,098	14,508	9,918	5,328	0,738	-3,852	-8,442	-13,032	-17,622	-22,212	-26,802	8,750	7,000	5,250	3,500	1,750	0,000	-1,750	-3,500	-5,250	-7,000	-8,750	26,802	22,212	17,622	13,032	8,442	3,852	-0,738	-5,328	-9,918	-14,508	-19,098
G2		10,649	8,078	5,508	2,938	0,367	-2,203	-4,774	-7,344	-9,914	-12,485	-15,055	5,367	4,597	3,827	3,057	2,287	1,517	0,747	-0,023	-0,793	-1,563	-2,333	11,723	9,703	7,684	5,664	3,645	1,625	-0,395	-2,414	-4,434	-6,453	-8,473
Q_1		11,459	8,705	5,951	3,197	0,443	-2,311	-5,065	-7,819	-10,573	-13,327	-16,081	5,250	4,200	3,150	2,100	1,050	0,000	-1,050	-2,100	-3,150	-4,200	-5,250	16,081	13,327	10,573	7,819	5,065	2,311	-0,443	-3,197	-5,951	-8,705	-11,459
Q_2		11,229	8,475	5,721	2,967	0,213	-2,541	-5,295	-8,049	-10,803	-13,557	-16,311	7,584	7,584	7,584	7,584	7,584	7,584	7,584	7,584	7,584	7,584	7,584	-0,351	-0,351	-0,351	-0,351	-0,351	-0,351	-0,351	-0,351	-0,351	-0,351	-0,351
Q_3		-0,121	-0,121	-0,121	-0,121	-0,121	-0,121	-0,121	-0,121	-0,121	-0,121	-0,121	5,250	4,200	3,150	2,100	1,050	0,000	-1,050	-2,100	-3,150	-4,200	-5,250	0,121	0,121	0,121	0,121	0,121	0,121	0,121	0,121	0,121	0,121	0,121
Q_4		0,351	0,351	0,351	0,351	0,351	0,351	0,351	0,351	0,351	0,351	0,351	-7,584	-7,584	-7,584	-7,584	-7,584	-7,584	-7,584	-7,584	-7,584	-7,584	-7,584	16,311	13,557	10,803	8,049	5,295	2,541	-0,213	-2,967	-5,721	-8,475	-11,229
Q_5		11,108	8,354	5,600	2,846	0,092	-2,662	-5,416	-8,170	-10,924	-13,678	-16,432	12,834	11,784	10,734	9,684	8,634	7,584	6,534	5,484	4,434	3,384	2,334	-0,229	-0,229	-0,229	-0,229	-0,229	-0,229	-0,229	-0,229	-0,229	-0,229	-0,229
Q_6		0,229	0,229	0,229	0,229	0,229	0,229	0,229	0,229	0,229	0,229	0,229	-2,334	-3,384	-4,434	-5,484	-6,534	-7,584	-8,634	-9,684	-10,734	-11,784	-12,834	16,432	13,678	10,924	8,170	5,416	2,662	-0,092	-2,846	-5,600	-8,354	-11,108
Q_7		11,580	8,826	6,072	3,318	0,564	-2,190	-4,944	-7,698	-10,452	-13,206	-15,960	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	15,960	13,206	10,452	7,698	4,944	2,190	-0,564	-3,318	-6,072	-8,826	-11,580
inv	*slu*	42,01	33,11	24,21	15,30	6,40	-3,03	-11,94	-20,84	-29,75	-38,65	-47,56	42,56	27,23	23,84	20,44	17,05	13,65	-12,50	-15,89	-19,29	-22,68	-26,08	64,04	50,59	41,68	32,78	23,87	14,97	6,38	-3,37	-12,27	-21,18	-30,08





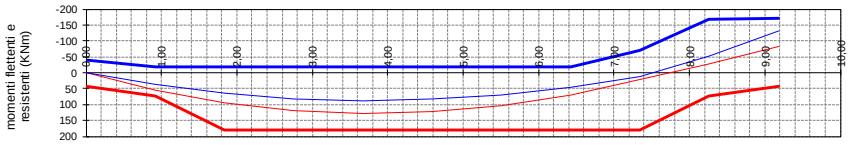
PRIMO SOLAIO - 3 campate **prima campata**

Rck	Ec	fcd	fctd	Acciaio	fyd	Bsup	Binf	Sp_ala	h	c	d
MPa	(MPa)	MPa		tipo	MPa	cm			cm	cm	cm
30	31220	14,11	1,14	Feb44k	391	120	40	6	36	4	32

Luce di calcolo (m) 9,18

Verifica agli stati limite ultimi

Inviluppo Momento max					Coeff. di redistribuzione delta= 1,00				psi-max		
	0,00	54,33	93,86	118,58	128,50	123,61	103,92	69,42	20,11	-26,69	-80,93
Inviluppo Momento min					Coeff. di redistribuzione delta=	1,00			psi-max		
	0,00	37,27	64,29	81,05	87,56	83,82	69,82	45,56	11,05	-51,01	-130,71
As,sup,app	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	4,53	11,61
As,inf,app	0,00	4,82	8,33	10,53	11,41	10,98	9,23	6,16	1,79	0,00	0,00
X	**0,00**	**0,92**	**1,84**	**2,75**	**3,67**	**4,59**	**5,51**	**6,43**	**7,34**	**8,26**	**9,18**
Armatura (cmq)											
ϕ6		5	5	5	5	5	5	5			
ϕ12	3										
ϕ16									3	3	3
ϕ20										3	3
As,sup	3,39	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	15,46	15,46
As,inf	3,39	6,03	15,46	15,46	15,46	15,46	15,46	15,46	15,46	6,03	3,39
ϕ12	3										3
ϕ16		3	3	3	3	3	3	3	3	3	
ϕ20			3	3	3	3	3	3	3		
ϕ5		0	0	0	0	0	0	0	0	0	0
Momenti positivi											
b	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00
psi	0,09	0,11	0,18	0,18	0,18	0,18	0,18	0,18	0,17	0,12	0,10
M+res	42,04	72,73	179,63	179,63	179,63	179,63	179,63	179,63	179,55	73,31	43,30
Momenti negativi											
b	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	**60,00**
psi	0,14	0,11	0,12	0,12	0,12	0,12	0,12	0,12	0,15	0,30	0,26
M-res	-40,10	-17,69	-17,90	-17,90	-17,90	-17,90	-17,90	-17,90	-69,23	-169,41	-172,02



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		V = 0,42		vbd = 53,56		
Vsd	50,42	39,73	29,05	18,36	7,68	-3,64	-14,33	-25,01	-35,70	-46,38	-57,07
ρ_1	0,0027	0,0047	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0047	0,0027
Bmin	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 0,50 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	3,39	6,03	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46
A's (cmq)	3,39	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	6,03	3,39
b resistente	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00	**60,00**
Y	7,36	6,18	9,27	9,27	9,27	9,27	9,27	9,27	9,01	13,25	11,91
Wc	4999	11308	16420	16420	16420	16420	16420	16420	17092	9078	10961
Ws	1493	2705	6698	6698	6698	6698	6698	6698	6703	6414	6498
N. barre	3	3	6	6	6	6	6	6	6	6	6
dist. barre	16,00	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,80	6,40	10,40
Beff (cm)	40	42	92	92	92	92	92	92	92	40	60
Deff (cm)	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	11,38	12,05
Aeff	496,00	515,84	1140,80	1140,80	1140,80	1140,80	1140,80	1140,80	1140,80	455,02	722,70
RO,r	0,68%	1,17%	1,35%	1,35%	1,35%	1,35%	1,35%	1,35%	1,35%	3,40%	2,14%

Combinazioni di carico

Rara	0,00	40,06	69,21	87,43	94,73	91,10	76,56	51,09	14,71	-37,28	-96,03
Frequente	0,00	36,69	63,37	80,04	86,70	83,35	69,98	46,60	13,22	-33,46	-87,24
Quasi perm.	0,00	35,57	61,43	77,58	84,03	80,76	67,79	45,11	12,72	-32,19	-84,30

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-0,01	-3,54	-4,21	-5,32	-5,77	-5,55	-4,66	-3,11	-0,86	-4,11	-8,76
Sigma,S	0,01	222,13	154,98	195,79	212,13	204,02	171,45	114,42	32,91	87,19	221,68
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-0,01	-3,15	-3,74	-4,72	-5,12	-4,92	-4,13	-2,75	-0,74	-3,55	-7,69

Verifica allo stato limite di apertura fessure

Srm (mm)	187,71	152,91	145,88	145,88	145,88	145,88	145,88	145,88	145,88	98,46	116,85
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	0,10	203,43	141,92	179,25	194,16	186,65	156,72	104,37	29,58	78,25	201,37
Eps,sm	0,000%	0,040%	0,045%	0,068%	0,077%	0,073%	0,055%	0,020%	0,006%	0,030%	0,092%
Wk (mm)	0,000	0,103	0,113	0,170	0,191	0,180	0,136	0,050	0,014	0,050	0,183
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	0,10	197,20	137,56	173,74	188,17	180,86	151,81	101,02	28,46	75,27	194,60
Eps,sm	0,000%	0,038%	0,043%	0,065%	0,074%	0,069%	0,052%	0,020%	0,006%	0,028%	0,089%
Wk (mm)	0,000	0,100	0,106	0,162	0,183	0,172	0,128	0,049	0,014	0,047	0,176

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	0,000%	-0,010%	-0,012%	-0,015%	-0,016%	-0,016%	-0,013%	-0,009%	-0,002%	-0,011%	-0,025%
EpsSm	0,000%	0,095%	0,065%	0,083%	0,090%	0,087%	0,072%	0,047%	0,007%	0,034%	0,094%
freccia	0,000	0,948	1,707	2,230	2,502	2,501	2,238	1,758	1,142	0,505	0,000

freccia massima: 2,50 cm pari a L/ 367

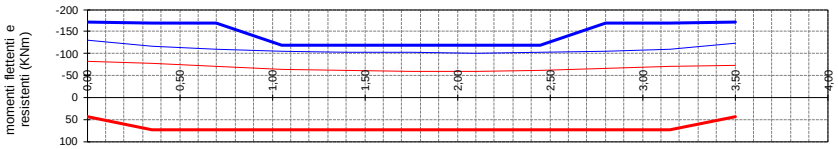
verifica sommaria: Rapporto di snellezza effettivo l/h = 25,50 < 26,00 Rapporto limite

PRIMO SOLAIO - 3 campate **seconda campata**

Luce di calcolo (m) 3,50

Verifica agli stati limite ultimi

Inviluppo Momento max					Coeff. di redistribuzione delta= 1,00			psi-max			
	-80,93	-77,71	-70,77	-64,85	-60,96	-59,12	-59,31	-61,54	-65,80	-71,09	-72,64
Inviluppo Momento min					Coeff. di redistribuzione delta=	1,00		psi-max			
	-130,71	-116,90	-110,24	-105,98	-103,08	-101,57	-101,43	-102,66	-105,28	-110,28	-122,43
As,sup,app	11,61	10,38	9,79	9,41	9,15	9,02	9,01	9,12	9,35	9,79	10,87
As,inf,app	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
X	**0,00**	**0,35**	**0,70**	**1,05**	**1,40**	**1,75**	**2,10**	**2,45**	**2,80**	**3,15**	**3,50**
Armatura (cmq)											
ϕ6	0			5	5	5	5	5			
ϕ12	0										
ϕ16	3	3	3	3	3	3	3	3	3	3	3
ϕ20	3	3	3	1	1	1	1	1	3	3	3
As,sup	15,46	15,46	15,46	10,59	10,59	10,59	10,59	10,59	15,46	15,46	15,46
As,inf	3,39	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	3,39
ϕ12	3										3
ϕ16	0	3	3	3	3	3	3	3	3	3	
ϕ20	0										
ϕ5	0										
Momenti positivi											
b	120	120	120	120	120	120	120	120	120	120	120
psi	0,10	0,12	0,12	0,11	0,11	0,11	0,11	0,11	0,12	0,12	0,10
M+res	43,30	73,31	73,31	73,18	73,18	73,18	73,18	73,18	73,31	73,31	43,30
Momenti negativi											
b	**60**	40	40	40	40	40	40	40	40	40	**60**
psi	0,26	0,30	0,30	0,22	0,22	0,22	0,22	0,22	0,30	0,30	0,26
M-res	-172,02	-169,41	-169,41	-118,95	-118,95	-118,95	-118,95	-118,95	-169,41	-169,41	-172,02



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		v = 0,42		vbd = 53,56		
Vsd	51,07	32,68	28,60	24,53	20,45	16,38	-14,99	-19,07	-23,14	-27,22	-31,29
ρ_1	0,0027	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0027
Bmin	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 1,00 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	15,46	15,46	15,46	10,59	10,59	10,59	10,59	10,59	15,46	15,46	15,46
A's (cmq)	3,39	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	3,39
b resistente	**60,00**	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	**60,00**
Y	11,91	13,25	13,25	11,40	11,40	11,40	11,40	11,40	13,25	13,25	11,91
Wc	10961	9078	9078	8076	8076	8076	8076	8076	9078	9078	10961
Ws	6498	6414	6414	4472	4472	4472	4472	4472	6414	6414	6498
N. barre	6	6	6	9	9	9	9	9	6	6	6
dist. barre	10,40	6,40	6,40	4,00	4,00	4,00	4,00	4,00	6,40	6,40	10,40
Beff (cm)	60	40	40	40	40	40	40	40	40	40	60
Deff (cm)	12,05	11,38	11,38	12,30	12,30	12,30	12,30	12,30	11,38	11,38	12,05
Aeff	722,70	455,02	455,02	491,92	491,92	491,92	491,92	491,92	455,02	455,02	722,70
RO,r	2,14%	3,40%	3,40%	2,15%	2,15%	2,15%	2,15%	2,15%	3,40%	3,40%	2,14%

Combinazioni di carico

Rara	-96,03	-86,11	-81,09	-77,81	-75,58	-74,42	-74,31	-75,26	-77,27	-81,01	-89,66
Frequente	-87,24	-78,67	-73,85	-70,57	-68,35	-67,18	-67,07	-68,02	-70,03	-73,57	-80,86
Quasi perm.	-84,30	-76,19	-71,44	-68,16	-65,93	-64,77	-64,66	-65,61	-67,62	-71,09	-77,93

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-8,76	-9,49	-8,93	-9,63	-9,36	-9,21	-9,20	-9,32	-8,51	-8,92	-8,18
Sigma,S	221,68	201,39	189,65	261,00	253,54	249,63	249,27	252,46	180,71	189,47	206,97
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-7,69	-8,39	-7,87	-8,44	-8,16	-8,02	-8,01	-8,12	-7,45	-7,83	-7,11

Verifica allo stato limite di apertura fessure

Srm (mm)	116,85	98,46	98,46	103,88	103,88	103,88	103,88	103,88	98,46	98,46	116,85
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	201,37	183,98	172,72	236,73	229,26	225,35	224,99	228,18	163,78	172,07	186,66
Eps,sm	0,087%	0,082%	0,076%	0,105%	0,101%	0,099%	0,099%	0,100%	0,072%	0,076%	0,079%
Wk (mm)	0,172	0,138	0,128	0,185	0,178	0,175	0,174	0,177	0,120	0,127	0,156
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	194,60	178,18	167,08	228,63	221,17	217,26	216,90	220,09	158,14	166,27	179,90
Eps,sm	0,083%	0,079%	0,073%	0,101%	0,097%	0,095%	0,094%	0,096%	0,069%	0,073%	0,075%
Wk (mm)	0,165	0,133	0,123	0,178	0,171	0,167	0,167	0,170	0,115	0,122	0,149

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	-0,025%	-0,027%	-0,025%	-0,027%	-0,026%	-0,026%	-0,026%	-0,026%	-0,024%	-0,025%	-0,023%
EpsSm	0,093%	0,084%	0,079%	0,109%	0,106%	0,104%	0,104%	0,105%	0,074%	0,079%	0,085%
freccia	0,000	-0,209	-0,375	-0,498	-0,571	-0,595	-0,568	-0,492	-0,369	-0,204	0,000

freccia massima: 0,00 cm pari a L/ infinito

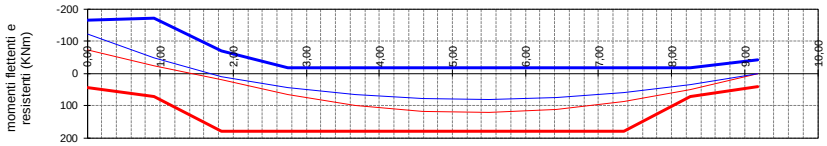
verifica sommaria: Rapporto di snellezza effettivo l/h = 9,72 < 26,00 Rapporto limite

PRIMO SOLAIO - 3 campate **terza campata**

Luce di calcolo (m) 9,18

Verifica agli stati limite ultimi

Inviluppo Momento max				Coeff. di redistribuzione delta= 1,00				psi-max			
	-72,64	-22,79	20,43	66,93	99,42	117,89	122,34	112,78	89,20	51,61	0,00
Inviluppo Momento min				Coeff. di redistribuzione delta=		1,00		psi-max			
	-122,43	-47,11	11,37	43,08	65,32	78,10	81,41	75,25	59,63	34,55	0,00
As,sup,app	10,87	4,18	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
As,inf,app	0,00	0,00	1,81	5,94	8,83	10,47	10,86	10,02	7,92	4,58	0,00
X	**0,00**	**0,92**	**1,84**	**2,75**	**3,67**	**4,59**	**5,51**	**6,43**	**7,34**	**8,26**	**9,18**
Armatura (cmq)											
ϕ6	0			5	5	5	5	5	5	5	
ϕ12	0										3
ϕ16	3	3	3								
ϕ20	3	3									
As,sup	15,46	15,46	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	3,39
As,inf	3,39	6,03	15,46	15,46	15,46	15,46	15,46	15,46	15,46	6,03	3,39
ϕ12	3										3
ϕ16	0	3	3	3	3	3	3	3	3	3	
ϕ20	0		3	3	3	3	3	3	3		
ϕ5	0										
Momenti positivi											
b	120	120	120	120	120	120	120	120	120	120	120
psi	0,10	0,12	0,17	0,18	0,18	0,18	0,18	0,18	0,18	0,11	0,09
M+res	43,30	73,31	179,55	179,63	179,63	179,63	179,63	179,63	179,63	72,73	42,04
Momenti negativi											
b	40	40	40	40	40	40	40	40	40	40	40
psi	0,38	0,30	0,15	0,12	0,12	0,12	0,12	0,12	0,12	0,11	0,14
M-res	-164,26	-169,41	-69,23	-17,90	-17,90	-17,90	-17,90	-17,90	-17,90	-17,69	-40,10



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		v = 0,42		vbd = 53,56		
Vsd	76,85	60,70	50,02	39,33	28,65	17,96	7,66	-4,04	-14,73	-25,41	-36,10
ρ_1	0,0027	0,0047	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0047	0,0027
Bmin	59,58	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 1,00 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46	6,03	3,39
A's (cmq)	3,39	6,03	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	3,39
b resistente	**60,00**	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00
Y	11,91	13,25	9,01	9,27	9,27	9,27	9,27	9,27	9,27	6,18	7,36
Wc	10961	9078	17092	16420	16420	16420	16420	16420	16420	11308	4999
Ws	6498	6414	6703	6698	6698	6698	6698	6698	6698	2705	1493
N. barre	6	6	6	6	6	6	6	6	6	3	3
dist. barre	10,40	6,40	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,00
Beff (cm)	60	40	92	92	92	92	92	92	92	42	40
Deff (cm)	12,05	11,38	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40
Aeff	722,70	455,02	1140,80	1140,80	1140,80	1140,80	1140,80	1140,80	1140,80	515,84	496,00
RO,r	2,14%	3,40%	1,35%	1,35%	1,35%	1,35%	1,35%	1,35%	1,35%	1,17%	0,68%

Combinazioni di carico

Rara	-89,66	-34,28	14,95	49,18	73,10	86,71	89,99	82,97	65,63	37,97	0,00
Frequente	-80,86	-30,46	13,46	44,69	66,52	78,95	81,97	75,58	59,79	34,60	0,00
Quasi perm.	-77,93	-29,18	12,96	43,20	64,33	76,36	79,29	73,12	57,85	33,48	0,00

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-8,18	-3,78	-0,87	-3,00	-4,45	-5,28	-5,48	-5,05	-4,00	-3,36	-0,01
Sigma,S	206,97	80,17	33,45	110,14	163,71	194,17	201,53	185,80	146,97	210,52	0,01
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-7,11	-3,21	-0,76	-2,63	-3,92	-4,65	-4,83	-4,45	-3,52	-2,96	-0,01

Verifica allo stato limite di apertura fessure

Srm (mm)	116,85	98,46	145,88	145,88	145,88	145,88	145,88	145,88	145,88	152,91	187,71
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	186,66	71,23	30,12	100,09	148,97	176,80	183,56	169,26	133,90	191,83	0,10
Eps,sm	0,079%	0,016%	0,006%	0,019%	0,029%	0,048%	0,053%	0,043%	0,026%	0,037%	0,000%
Wk (mm)	0,156	0,027	0,015	0,048	0,072	0,119	0,131	0,106	0,064	0,097	0,000
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	179,90	68,25	29,01	96,73	144,06	171,01	177,57	163,75	129,55	185,60	0,10
Eps,sm	0,075%	0,014%	0,006%	0,019%	0,028%	0,044%	0,049%	0,039%	0,025%	0,036%	0,000%
Wk (mm)	0,149	0,023	0,014	0,047	0,069	0,109	0,121	0,096	0,062	0,094	0,000

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	-0,023%	-0,010%	-0,002%	-0,008%	-0,013%	-0,015%	-0,015%	-0,014%	-0,011%	-0,009%	0,000%
EpsSm	0,085%	0,028%	0,002%	0,043%	0,067%	0,081%	0,084%	0,077%	0,060%	0,088%	0,000%
freccia	0,000	0,467	1,053	1,625	2,074	2,320	2,322	2,070	1,584	0,880	0,000
freccia massima:		2,32 cm			pari a L/	395					
verifica sommaria:		Rapporto di snellezza effettivo l/h =				25,50	<	26,00	Rapporto limite		

Solai Primo 5-6 (G=5.0+2.8 kN/mq ; Q=3.0 kN/mq)

SOLAIO PRIMO - 2 campate

SLU						Rara		Frequente		Quasi Perm.		sbalzo a sinistra			sbalzo a destra	
γ_{G1} =	1,3	γ_{G2} =	1,3	γ_{Q} =	1,5	ψ_{01} =	1	ψ_{11} =	0,5	ψ_{21} =	0,3	a_s =	1,9	m	a_d =	1,4 m

TRAVE A 2 CAMPATE + 2 SBALZI

	Q_1 kN/ml	L_1 m	Q_2 kN/ml	L_2 m	R_A kN	R_B kN	R_C kN	M_A kNm	M_B kNm	M_C kNm	T_{ad} kN	T_{Bs} kN	T_{Bd} kN	T_{Cs} kN
G1	5,00	9,18	5,00	6,03	28,01	38,92	16,12	-9,03	-40,80	-4,90	28,01	-17,89	21,03	-16,12
G2	2,80	9,18	2,00	6,03	15,84	19,12	5,61	-5,05	-21,41	-1,96	15,84	-9,86	9,25	-5,61
Q_1	3,00	9,18	3,00	6,03	16,80	23,35	9,67	-5,42	-24,48	-2,94	16,80	-10,74	12,62	-9,67
Q_2	3,00	9,18	0,00	6,03	17,39	13,31	-3,16	-5,42	-19,07	0,00	17,39	-10,15	3,16	3,16
Q_3	0,00	9,18	3,00	6,03	-0,59	10,04	12,84	0,00	-5,41	-2,94	-0,59	-0,59	9,45	-12,84

DISPOSIZIONE CARICHI

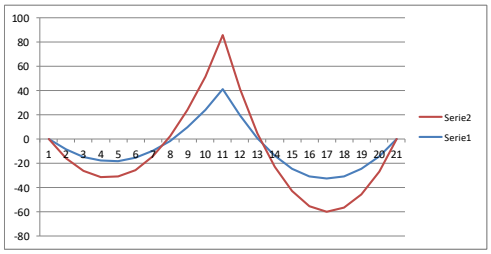
	1° camp.	*2° camp.*
G1	5,00	5,00
G2	2,80	2,00
Q_1	3,00	3,00
Q_2	3,00	
Q_3		3,00

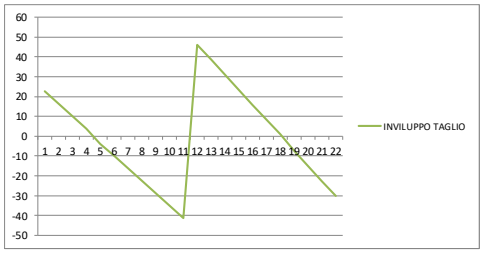
FLESSIONE

			A										B										C
MOMENTO		L	0,00	0,92	1,84	2,75	3,67	4,59	5,51	6,43	7,34	8,26	9,18	9,18	9,78	10,39	10,99	11,59	12,20	12,80	13,40	14,00	14,61	15,21
		X	0,00	0,92	1,84	2,75	3,67	4,59	5,51	6,43	7,34	8,26	9,18	9,18	0,60	1,21	1,81	2,41	3,02	3,62	4,22	4,82	5,43	6,03
G1			-9,03	14,88	25,55	32,00	34,24	32,27	26,08	15,68	1,07	-17,76	-40,80	-40,80	-29,03	-19,07	-10,94	-4,62	-0,12	2,56	3,42	2,46	-0,31	-4,90
G2			-5,05	8,48	14,60	18,35	19,75	18,79	15,47	9,79	1,75	-8,65	-21,41	-21,41	-16,19	-11,70	-7,94	-4,90	-2,59	-1,01	-0,16	-0,03	-0,63	-1,96
Q_1			-5,42	8,93	15,33	19,20	20,55	19,36	15,65	9,41	0,64	-10,65	-24,48	-24,48	-17,42	-11,44	-6,56	-2,77	-0,07	1,53	2,05	1,48	-0,19	-2,94
Q_2			-5,42	9,47	16,41	20,82	22,71	22,07	18,89	13,19	4,97	-5,79	-19,07	-19,07	-17,17	-15,26	-13,35	-11,44	-9,54	-7,63	-5,72	-3,81	-1,91	0,00
Q_3			0,00	-0,54	-1,08	-1,62	-2,16	-2,70	-3,24	-3,78	-4,32	-4,87	-5,41	-5,41	-0,25	3,81	6,79	8,67	9,46	9,16	7,77	5,29	1,72	-2,94
MAX	*slu*		-18,30	44,57	76,80	96,70	104,26	99,48	82,36	52,91	11,12	-41,62	-88,97	-88,97	-59,16	-34,28	-14,36	0,63	10,66	15,75	15,90	11,10	1,36	-8,92
MIN	*slu*		-26,43	29,56	50,57	63,03	66,95	62,33	49,16	27,44	-2,82	-50,31	-117,58	-117,58	-84,91	-62,89	-44,57	-29,55	-17,84	-9,44	-4,34	-2,56	-4,08	-13,33
MAX	*rara*		-14,08	32,83	56,56	71,18	76,71	73,13	60,45	38,67	7,79	-31,27	-67,61	-67,61	-45,47	-26,96	-12,09	-0,85	6,75	10,71	11,04	7,73	0,78	-6,86
MIN	*rara*		-19,49	22,82	39,06	48,74	51,83	48,36	38,31	21,69	-1,50	-37,06	-86,68	-86,68	-62,63	-46,03	-32,23	-20,97	-12,25	-6,08	-2,46	-1,38	-2,85	-9,80
MAX	*frequente*		-14,08	29,99	51,63	64,93	69,89	66,51	54,78	34,71	6,30	-29,81	-65,99	-65,99	-45,39	-28,10	-14,12	-3,45	3,91	7,96	8,70	6,14	0,26	-6,86
MIN	*frequente*		-17,87	22,98	39,39	49,22	52,48	49,17	39,29	22,83	-0,20	-33,86	-79,34	-79,34	-57,41	-41,45	-28,22	-17,53	-9,39	-3,80	-0,74	-0,24	-2,28	-8,92
MAX	*q.permanente*		-14,08	29,04	49,99	62,85	67,62	64,30	52,89	33,39	5,80	-29,32	-65,45	-65,45	-45,37	-28,49	-14,80	-4,32	2,96	7,04	7,93	5,61	0,09	-6,86
MIN	*q.permanente*		-17,33	23,03	39,50	49,38	52,70	49,44	39,61	23,21	0,23	-32,80	-76,89	-76,89	-55,67	-39,93	-26,89	-16,39	-8,44	-3,03	-0,17	0,14	-2,09	-8,62

TAGLIO

			A_d										B_s	B_d										C_s
TAGLIO		L	0,00	0,92	1,84	2,75	3,67	4,59	5,51	6,43	7,34	8,26	9,18	9,18	9,78	10,39	10,99	11,59	12,20	12,80	13,40	14,00	14,61	15,21
		X	0,00	0,92	1,84	2,75	3,67	4,59	5,51	6,43	7,34	8,26	9,18	9,18	0,60	1,21	1,81	2,41	3,02	3,62	4,22	4,82	5,43	6,03
G1			28,01	23,42	18,83	14,24	9,65	5,06	0,47	-4,12	-8,71	-13,30	-17,89	21,03	18,01	15,00	11,98	8,97	5,95	2,94	-0,08	-3,09	-6,11	-16,12
G2			15,84	13,27	10,70	8,13	5,56	2,99	0,42	-2,15	-4,72	-7,29	-9,86	9,25	8,05	6,84	5,64	4,43	3,22	2,02	0,81	-0,39	-1,60	-5,61
Q_1			16,80	14,05	11,30	8,54	5,79	3,03	0,28	-2,47	-5,23	-7,98	-10,74	12,62	10,81	9,00	7,19	5,38	3,57	1,76	-0,05	-1,85	-3,66	-9,67
Q_2			17,39	14,64	11,88	9,13	6,38	3,62	0,87	-1,89	-4,64	-7,39	-10,15	3,16	3,16	3,16	3,16	3,16	3,16	3,16	3,16	3,16	3,16	3,16
Q_3			-0,59	-0,59	-0,59	-0,59	-0,59	-0,59	-0,59	-0,59	-0,59	-0,59	-0,59	9,45	7,64	5,84	4,03	2,22	0,41	-1,40	-3,21	-5,02	-6,83	-12,84
inv	*slu*		83,09	69,65	56,21	42,77	29,33	15,89	2,45	-11,87	-25,31	-38,75	-52,19	58,29	50,09	41,89	33,69	25,49	17,29	11,19	5,70	-12,06	-20,26	-47,50





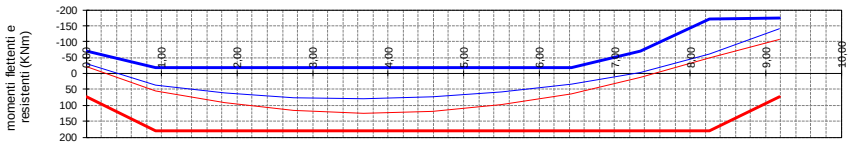
PRIMO SOLAIO - 2 campate **prima campata**

Rck	Ec	fcd	fctd	Acciaio	fyd	Bsup	Binf	Sp_ala	h	c	d
MPa	(MPa)	MPa		tipo	MPa	cm			cm	cm	cm
30	31220	14,11	1,14	Feb44k	391	120	40	6	36	4	32

Luce di calcolo (m) 9,18

Verifica agli stati limite ultimi

Inviluppo Momento max				Coeff. di redistribuzione delta= 1,00				psi-max			
	-21,96	53,49	92,17	116,04	125,11	119,38	98,84	63,49	13,34	-49,95	-106,77
Inviluppo Momento min				Coeff. di redistribuzione delta=		1,00		psi-max			
	-31,71	35,47	60,68	75,64	80,34	74,79	58,99	32,93	-3,38	-60,37	-141,10
As,sup,app	2,82	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,30	5,36	12,53
As,inf,app	0,00	4,75	8,18	10,30	11,11	10,60	8,78	5,64	1,18	0,00	0,00
X	**0,00**	**0,92**	**1,84**	**2,75**	**3,67**	**4,59**	**5,51**	**6,43**	**7,34**	**8,26**	**9,18**
Armatura (cmq)											
ϕ6		5	5	5	5	5	5	5			
ϕ12											
ϕ16	3								3	3	3
ϕ20										3	3
As,sup	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	15,46	15,46
As,inf	6,03	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46	6,03
ϕ12											
ϕ16	3	3	3	3	3	3	3	3	3	3	3
ϕ20		3	3	3	3	3	3	3	3	3	
ϕ5		0	0	0	0	0	0	0	0	0	0
Momenti positivi											
b	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00
psi	0,11	0,18	0,18	0,18	0,18	0,18	0,18	0,18	0,17	0,16	0,12
M+res	73,00	179,63	179,63	179,63	179,63	179,63	179,63	179,63	179,55	179,21	73,31
Momenti negativi											
b	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	**60,00**
psi	0,17	0,12	0,12	0,12	0,12	0,12	0,12	0,12	0,15	0,21	0,23
M-res	-69,45	-17,90	-17,90	-17,90	-17,90	-17,90	-17,90	-17,90	-69,23	-172,42	-173,23



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		v = 0,42		vbd = 53,56		
Vsd	99,71	83,58	67,45	51,32	35,20	19,07	2,94	-14,25	-30,37	-46,50	-62,63
ρ_1	0,0047	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0047
Bmin	63,81	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 0,50 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	6,03	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46
A's (cmq)	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	15,46	6,03
b resistente	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00	**60,00**
Y	9,02	9,27	9,27	9,27	9,27	9,27	9,27	9,27	9,01	11,90	11,61
Wc	6638	16420	16420	16420	16420	16420	16420	16420	17092	10979	11454
Ws	2604	6698	6698	6698	6698	6698	6698	6698	6703	6497	6518
N. barre	3	6	6	6	6	6	6	6	6	6	6
dist. barre	16,00	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,80	6,40	10,40
Beff (cm)	40	92	92	92	92	92	92	92	92	40	60
Deff (cm)	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,05	12,20
Aeff	496,00	1140,80	1140,80	1140,80	1140,80	1140,80	1140,80	1140,80	1140,80	482,08	731,84
RO,r	1,22%	1,35%	1,35%	1,35%	1,35%	1,35%	1,35%	1,35%	1,35%	3,21%	2,11%

Combinazioni di carico

Rara	-23,39	39,39	67,87	85,42	92,05	87,75	72,54	46,40	9,35	-44,47	-104,02
Frequente	-21,44	35,99	61,96	77,92	83,87	79,81	65,74	41,65	7,56	-40,64	-95,21
Quasi perm.	-20,79	34,85	59,99	75,42	81,15	77,16	63,47	40,07	6,96	-39,36	-92,27

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-3,52	-2,40	-4,13	-5,20	-5,61	-5,34	-4,42	-2,83	-0,55	-4,05	-9,08
Sigma,S	134,76	88,22	151,98	191,29	206,13	196,52	162,45	103,92	20,92	102,68	239,39
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-3,13	-2,12	-3,65	-4,59	-4,94	-4,70	-3,87	-2,44	-0,41	-3,58	-8,06

Verifica allo stato limite di apertura fessure

Srm (mm)	149,34	145,88	145,88	145,88	145,88	145,88	145,88	145,88	145,88	99,51	117,21
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	123,53	80,59	138,75	174,50	187,82	178,73	147,22	93,28	16,92	93,82	219,11
Eps,sm	0,036%	0,016%	0,043%	0,066%	0,073%	0,068%	0,049%	0,018%	0,003%	0,037%	0,101%
Wk (mm)	0,090	0,039	0,107	0,163	0,182	0,169	0,121	0,045	0,008	0,062	0,201
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	119,79	78,04	134,34	168,90	181,72	172,80	142,14	89,74	15,58	90,87	212,35
Eps,sm	0,033%	0,015%	0,040%	0,062%	0,070%	0,065%	0,046%	0,017%	0,003%	0,035%	0,098%
Wk (mm)	0,084	0,038	0,100	0,154	0,173	0,160	0,113	0,043	0,008	0,060	0,195

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

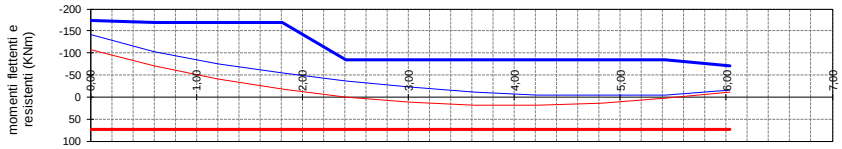
EpsCm	-0,010%	-0,007%	-0,012%	-0,015%	-0,016%	-0,015%	-0,012%	-0,008%	-0,001%	-0,011%	-0,026%
EpsSm	0,057%	0,036%	0,064%	0,081%	0,087%	0,083%	0,068%	0,042%	0,003%	0,042%	0,102%
freccia	0,000	0,763	1,465	1,977	2,245	2,250	2,005	1,558	0,990	0,419	0,000
freccia massima:		2,25 cm			pari a L/	408					
verifica sommaria:		Rapporto di snellezza effettivo l/h =				25,50	<	26,00	Rapporto limite		

PRIMO SOLAIO - 2 campate **seconda campata**

Luce di calcolo (m) 6,03

Verifica agli stati limite ultimi

Inviluppo Momento max					Coeff. di redistribuzione delta= 1,00				psi-max		
	-106,77	-70,99	-41,14	-17,23	0,75	12,79	18,91	19,08	13,32	1,63	-10,70
Inviluppo Momento min					Coeff. di redistribuzione delta=		1,00		psi-max		
	-141,10	-101,89	-75,47	-53,48	-35,46	-21,40	-11,32	-5,21	-3,07	-4,90	-15,99
As,sup,app	12,53	9,05	6,70	4,75	3,15	1,90	1,01	0,46	0,27	0,44	1,42
As,inf,app	0,00	0,00	0,00	0,00	0,07	1,14	1,68	1,69	1,18	0,14	0,00
X	**0,00**	**0,60**	**1,21**	**1,81**	**2,41**	**3,02**	**3,62**	**4,22**	**4,82**	**5,43**	**6,03**
Armatura (cmq)											
ϕ6	0				5	5	5	5	5	5	
ϕ12	0										
ϕ16	3	3	3	3	3	3	3	3	3	3	3
ϕ20	3	3	3	3							
As,sup	15,46	15,46	15,46	15,46	7,45	7,45	7,45	7,45	7,45	7,45	6,03
As,inf	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03
ϕ12	0										
ϕ16	3	3	3	3	3	3	3	3	3	3	3
ϕ20	0										
ϕ5	0										
Momenti positivi											
b	120	120	120	120	120	120	120	120	120	120	120
psi	0,12	0,12	0,12	0,12	0,11	0,11	0,11	0,11	0,11	0,11	0,11
M+res	73,31	73,31	73,31	73,31	73,07	73,07	73,07	73,07	73,07	73,07	73,00
Momenti negativi											
b	**60**	40	40	40	40	40	40	40	40	40	**60**
psi	0,23	0,30	0,30	0,30	0,18	0,18	0,18	0,18	0,18	0,18	0,15
M-res	-173,23	-169,41	-169,41	-169,41	-84,98	-84,98	-84,98	-84,98	-84,98	-84,98	-70,73



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		v = 0,42		vbd = 53,56		
Vsd	69,95	60,11	50,27	40,43	30,59	20,75	13,43	6,84	-14,47	-24,31	-57,00
ρ_1	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047
Bmin	44,77	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 1,00 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	15,46	15,46	15,46	15,46	7,45	7,45	6,03	6,03	6,03	7,45	6,03
A's (cmq)	6,03	6,03	6,03	6,03	6,03	6,03	7,45	7,45	7,45	6,03	6,03
b resistente	**60,00**	40,00	40,00	40,00	40,00	40,00	120,00	120,00	120,00	40,00	**60,00**
Y	11,61	13,25	13,25	13,25	9,86	9,86	5,97	5,97	5,97	9,86	7,83
Wc	11454	9078	9078	9078	7166	7166	11774	11774	11774	7166	8144
Ws	6518	6414	6414	6414	3190	3190	2698	2698	2698	3190	2639
N. barre	6	6	6	6	8	8	3	3	3	8	3
dist. barre	10,40	6,40	6,40	6,40	4,57	4,57	16,80	16,80	16,80	4,57	16,80
Beff (cm)	60	40	40	40	40	40	42	42	42	40	42
Deff (cm)	12,20	11,38	11,38	11,38	12,40	12,40	12,40	12,40	12,40	12,40	12,40
Aeff	731,84	455,02	455,02	455,02	496,00	496,00	515,84	515,84	515,84	496,00	515,84
RO,r	2,11%	3,40%	3,40%	3,40%	1,50%	1,50%	1,17%	1,17%	1,17%	1,50%	1,17%

Combinazioni di carico

Rara	-104,02	-75,16	-55,24	-38,67	-25,16	-14,70	12,85	13,24	9,27	-3,42	-11,76
Frequente	-95,21	-68,89	-49,75	-33,87	-21,04	-11,27	9,55	10,44	7,37	-2,73	-10,70
Quasi perm.	-92,27	-66,80	-47,91	-32,26	-19,67	-10,13	8,45	9,51	6,73	-2,50	-10,35

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-9,08	-8,28	-6,09	-4,26	-3,51	-2,05	-1,09	-1,12	-0,79	-0,48	-1,44
Sigma,S	239,39	175,77	129,19	90,44	118,32	69,14	71,44	73,62	51,54	16,07	66,84
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-8,06	-7,36	-5,28	-3,55	-2,74	-1,41	-0,72	-0,81	-0,57	-0,35	-1,27

Verifica allo stato limite di apertura fessure

Srm (mm)	117,21	98,46	98,46	98,46	117,11	117,11	152,91	152,91	152,91	117,11	152,91
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	219,11	161,11	116,34	79,20	98,95	53,00	53,10	58,06	40,95	12,84	60,82
Eps,sm	0,096%	0,070%	0,045%	0,022%	0,019%	0,010%	0,010%	0,011%	0,008%	0,002%	0,012%
Wk (mm)	0,191	0,117	0,076	0,037	0,038	0,020	0,027	0,029	0,021	0,005	0,031
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	212,35	156,22	112,06	75,46	92,49	47,62	46,99	52,87	37,42	11,77	58,82
Eps,sm	0,092%	0,067%	0,043%	0,019%	0,018%	0,009%	0,009%	0,010%	0,007%	0,002%	0,011%
Wk (mm)	0,184	0,113	0,072	0,032	0,036	0,018	0,024	0,027	0,019	0,005	0,030

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	-0,026%	-0,024%	-0,017%	-0,011%	-0,009%	-0,005%	-0,002%	-0,003%	-0,002%	-0,001%	-0,004%
EpsSm	0,101%	0,074%	0,051%	0,032%	0,041%	0,015%	0,015%	0,019%	0,008%	0,003%	0,022%
freccia	0,000	-0,229	-0,348	-0,388	-0,370	-0,306	-0,222	-0,148	-0,093	-0,050	0,000
freccia massima:		0,00 cm			pari a L/ infinito						
verifica sommaria:		Rapporto di snellezza effettivo l/h =				16,75	<	26,00 Rapporto limite			

Solai Primo 4-5-6 (G=5.0+2.8 kN/mq ; Q=3.0 kN/mq)

SOLAIO PRIMO - 3 campate1

SLU		Rara		Frequente		Quasi Perm.	
γ_{G1} =	1,3	γ_{G2} = 1,3	γ_Q = 1,5	ψ_{01} =	1	ψ_{11} = 0,5	ψ_{21} = 0,3

TRAVE A 3 CAMPATE

	Q_i kN/ml	L_1 m	Q_2 kN/ml	L_2 m	Q_3 kN/ml	L_3 m	R_A kN	R_B kN	R_C kN	R_D kN	M_A kNm	M_B kNm	M_C kNm	M_D kNm	T_{Ad} kN	T_{Bs} kN	T_{Bd} kN	T_{Cs} kN	T_{Cd} kN	T_{Ds} kN
G1	5,00	9,18	5,00	6,03	5,00	6,65	18,86	45,63	30,65	14,16	0,00	-37,55	-16,37	0,00	18,86	-27,04	18,59	-11,56	19,09	-14,16
G2	2,80	9,18	2,20	6,03	2,20	6,65	10,62	24,09	12,52	6,37	0,00	-20,53	-6,25	0,00	10,62	-15,09	9,00	-4,27	8,26	-6,37
Q_1	3,00	9,18	3,00	6,03	3,00	6,65	11,32	27,38	18,39	8,50	0,00	-22,53	-9,82	0,00	11,32	-16,22	11,15	-6,94	11,45	-8,50
Q_2	3,00	9,18	0,00	6,03	0,00	6,65	11,59	20,06	-4,82	0,72	0,00	-20,02	4,76	0,00	11,59	-15,95	4,11	4,11	-0,72	-0,72
Q_3	0,00	9,18	3,00	6,03	0,00	6,65	-0,47	9,33	10,05	-0,82	0,00	-4,32	-5,46	0,00	-0,47	-0,47	8,86	-9,23	0,82	0,82
Q_4	0,00	9,18	0,00	6,03	3,00	6,65	0,20	-2,01	13,16	8,60	0,00	1,81	-9,13	0,00	0,20	0,20	-1,81	-1,81	11,35	-8,60
Q_5	3,00	9,18	3,00	6,03	0,00	6,65	11,12	29,39	5,23	-0,10	0,00	-24,34	-0,70	0,00	11,12	-16,42	12,97	-5,12	0,10	0,10
Q_6	0,00	9,18	3,00	6,03	3,00	6,65	-0,27	7,32	23,21	7,78	0,00	-2,51	-14,58	0,00	-0,27	-0,27	7,04	-11,05	12,17	-7,78
Q_7	3,00	9,18	0,00	6,03	3,00	6,65	11,79	18,05	8,34	9,32	0,00	-18,21	-4,37	0,00	11,79	-15,75	2,30	2,30	10,63	-9,32

DISPOSIZIONE CARICHI

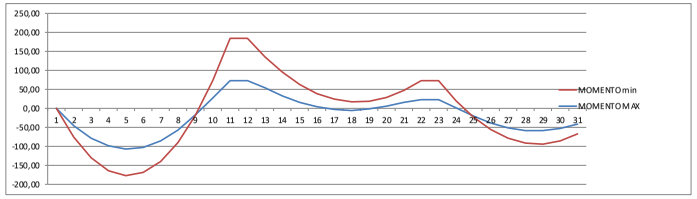
	1° camp.	*2° camp.*	*3° camp.*
G1	5,00	5,00	5,00
G2	2,80	2,20	2,20
Q_1	3,00	3,00	3,00
Q_2	3,00		
Q_3		3,00	
Q_4			3,00
Q_5	3,00	3,00	
Q_6		3,00	3,00
Q_7	3,00		3,00

FLESSIONE

		A										B											C										D
		1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*		*22*	*23*	*24*	*25*	*26*	*27*	*28*	*29*	*30*	31
MOMENTO	L	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	9,783	10,386	10,989	11,592	12,195	12,798	13,401	14,004	14,607	15,210	15,210	15,875	16,540	17,205	17,870	18,535	19,200	19,865	20,530	21,195	21,860
	X	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	0,603	1,206	1,809	2,412	3,015	3,618	4,221	4,824	5,427	6,030	6,030	0,665	1,330	1,995	2,660	3,325	3,990	4,655	5,320	5,985	6,650
G1		0,000	15,206	26,198	32,977	35,542	33,894	28,032	17,956	3,666	-14,837	-37,553	-37,553	-27,254	-18,773	-12,110	-7,265	-4,238	-3,029	-3,638	-6,065	-10,310	-16,373	-16,373	-4,786	4,590	11,756	16,710	19,452	19,984	18,305	14,414	8,313	0,000
G2		0,000	8,566	14,772	18,618	20,105	19,232	15,999	10,407	2,456	-7,856	-20,527	-20,527	-15,500	-11,272	-7,845	-5,218	-3,390	-2,363	-2,135	-2,708	-4,080	-6,252	-6,252	-1,249	2,781	5,839	7,923	9,035	9,174	8,340	6,533	3,753	0,000
Q_1		0,000	9,124	15,719	19,786	21,325	20,336	16,819	10,773	2,200	-8,902	-22,532	-22,532	-16,352	-11,264	-7,266	-4,359	-2,543	-1,817	-2,183	-3,639	-6,186	-9,824	-9,824	-2,871	2,754	7,053	10,026	11,671	11,991	10,983	8,649	4,988	0,000
Q_2		0,000	9,375	16,222	20,541	22,331	21,594	18,328	12,534	4,212	-6,638	-20,017	-20,017	-17,539	-15,062	-12,584	-10,106	-7,629	-5,151	-2,673	-0,196	2,282	4,760	4,760	4,284	3,808	3,332	2,856	2,380	1,904	1,428	0,952	0,476	0,000
Q_3		0,000	-0,432	-0,865	-1,297	-1,730	-2,162	-2,595	-3,027	-3,459	-3,892	-4,324	-4,324	0,471	4,176	6,790	8,313	8,745	8,087	6,337	3,497	-0,434	-5,456	-5,456	-4,911	-4,365	-3,819	-3,274	-2,728	-2,182	-1,637	-1,091	-0,546	0,000
Q_4		0,000	0,181	0,362	0,543	0,724	0,905	1,086	1,266	1,447	1,628	1,809	1,809	0,716	-0,378	-1,472	-2,565	-3,659	-4,753	-5,846	-6,940	-8,034	-9,127	-9,127	-2,245	3,312	7,541	10,444	12,020	12,269	11,192	8,788	5,057	0,000
Q_5		0,000	8,943	15,357	19,243	20,602	19,432	15,733	9,507	0,752	-10,530	-24,341	-24,341	-17,068	-10,886	-5,794	-1,793	1,116	2,936	3,664	3,301	1,848	-0,697	-0,697	-0,627	-0,557	-0,488	-0,418	-0,348	-0,279	-0,209	-0,139	-0,070	0,000
Q_6		0,000	-0,251	-0,503	-0,754	-1,006	-1,257	-1,509	-1,760	-2,012	-2,263	-2,515	-2,515	1,187	3,798	5,318	5,748	5,086	3,334	0,491	-3,443	-8,468	-14,583	-14,583	-7,155	-1,053	3,722	7,170	9,292	10,087	9,555	7,697	4,512	0,000
Q_7		0,000	9,556	16,584	21,084	23,055	22,498	19,413	13,800	5,659	-5,010	-18,208	-18,208	-16,824	-15,440	-14,056	-12,672	-11,288	-9,904	-8,520	-7,136	-5,752	-4,368	-4,368	2,039	7,119	10,873	13,299	14,400	14,173	12,620	9,740	5,533	0,000
MAX	*alu*	0,000	45,237	78,137	98,699	106,924	102,811	86,361	57,573	16,448	-27,057	-72,790	-72,790	-53,799	-32,795	-15,756	-3,758	3,202	5,121	2,001	-6,159	-15,284	-22,274	-22,274	-1,420	20,262	39,182	51,972	58,633	59,165	53,568	41,841	23,985	0,000
MIN	*slu*	0,000	30,254	51,964	65,128	69,747	65,820	53,349	32,332	2,770	-45,295	-112,016	-112,016	-81,888	-62,218	-47,025	-35,235	-26,848	-21,864	-20,285	-22,108	-31,409	-51,288	-51,288	-18,578	3,036	17,144	27,112	32,942	34,632	32,183	25,594	14,867	0,000
MAX	*rara*	0,000	33,328	57,554	72,679	78,702	75,624	63,445	42,164	11,781	-21,064	-56,271	-56,271	-41,567	-25,869	-13,165	-4,169	1,117	2,695	0,564	-5,276	-12,108	-17,866	-17,866	-1,751	14,491	28,467	37,932	42,887	43,331	39,264	30,687	17,599	0,000
MIN	*rara*	0,000	23,339	40,105	50,298	53,917	50,964	41,437	25,336	2,663	-33,223	-82,421	-82,421	-60,293	-45,485	-34,010	-25,154	-18,916	-15,295	-14,293	-15,908	-22,858	-37,209	-37,209	-13,190	3,007	13,775	21,359	25,759	26,976	25,008	19,856	11,520	0,000
MAX	*frequente*	0,000	30,461	52,579	66,354	71,786	68,874	57,620	38,023	10,084	-21,552	-56,813	-56,813	-41,923	-27,122	-15,202	-6,663	-1,506	0,269	-1,337	-6,325	-12,793	-19,294	-19,294	-3,036	12,355	25,205	33,943	38,567	39,079	35,478	27,765	15,939	0,000
MIN	*frequente*	0,000	23,469	40,365	50,687	54,436	51,612	42,215	26,244	3,701	-30,063	-75,119	-75,119	-55,031	-40,853	-29,794	-21,353	-15,529	-12,324	-11,737	-13,768	-20,318	-32,834	-32,834	-11,043	4,316	14,921	22,341	26,578	27,630	25,499	20,183	11,684	0,000
MAX	*q.permanente*	0,000	29,505	50,920	64,245	69,480	66,625	55,679	36,643	9,518	-21,715	-56,994	-56,994	-42,041	-27,539	-15,881	-7,495	-2,381	-0,539	-1,971	-6,674	-13,021	-19,770	-19,770	-3,465	11,643	24,118	32,613	37,127	37,662	34,216	26,791	15,385	0,000
MIN	*q.permanente*	0,000	23,512	40,451	50,817	54,609	51,828	42,474	26,547	4,046	-29,010	-72,685	-72,685	-53,277	-39,309	-28,388	-20,085	-14,401	-11,334	-10,885	-13,054	-19,471	-31,376	-31,376	-10,328	4,753	15,303	22,669	26,851	27,849	25,662	20,292	11,738	0,000

TAGLIO

		A_d										B_s	B_d										C_s	C_d										D_s
		1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*		*22*	*23*	*24*	*25*	*26*	*27*	*28*	*29*	*30*	31
TAGLIO	L	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	9,783	10,386	10,989	11,592	12,195	12,798	13,401	14,004	14,607	15,210	15,210	15,875	16,540	17,205	17,870	18,535	19,200	19,865	20,530	21,195	21,860
	X	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	0,603	1,206	1,809	2,412	3,015	3,618	4,221	4,824	5,427	6,030	6,030	0,665	1,330	1,995	2,660	3,325	3,990	4,655	5,320	5,985	6,650
G1		18,859	14,269	9,679	5,089	0,499	-4,091	-8,681	-13,271	-17,861	-22,451	-27,041	18,587	15,572	12,557	9,542	6,527	3,512	0,497	-2,518	-5,533	-8,548	-11,563	19,087	15,762	12,437	9,112	5,787	2,462	-0,863	-4,188	-7,513	-10,838	-14,163
G2		10,616	8,046	5,475	2,905	0,334	-2,236	-4,806	-7,377	-9,947	-12,518	-15,088	9,000	7,674	6,347	5,020	3,694	2,367	1,041	-0,286	-1,613	-2,939	-4,266	8,255	6,792	5,329	3,866	2,403	0,940	-0,523	-1,986	-3,449	-4,912	-6,375
Q_1		11,316	8,562	5,808	3,054	0,300	-2,454	-5,208	-7,962	-10,716	-13,470	-16,224	11,152	9,343	7,534	5,725	3,916	2,107	0,298	-1,511	-3,320	-5,129	-6,938	11,452	9,457	7,462	5,467	3,472	1,477	-0,518	-2,513	-4,508	-6,503	-8,498
Q_2		11,590	8,836	6,082	3,328	0,574	-2,180	-4,934	-7,688	-10,442	-13,196	-15,950	4,109	4,109	4,109	4,109	4,109	4,109	4,109	4,109	4,109	4,109	4,109	-0,716	-0,716	-0,716	-0,716	-0,716	-0,716	-0,716	-0,716	-0,716	-0,716	-0,716
Q_3		-0,471	-0,471	-0,471	-0,471	-0,471	-0,471	-0,471	-0,471	-0,471	-0,471	-0,471	8,857	7,048	5,239	3,430	1,621	-0,188	-1,997	-3,806	-5,615	-7,424	-9,233	0,820	0,820	0,820	0,820	0,820	0,820	0,820	0,820	0,820	0,820	0,820
Q_4		0,197	0,197	0,197	0,197	0,197	0,197	0,197	0,197	0,197	0,197	0,197	-1,814	-1,814	-1,814	-1,814	-1,814	-1,814	-1,814	-1,814	-1,814	-1,814	-1,814	11,348	9,353	7,358	5,363	3,368	1,373	-0,622	-2,617	-4,612	-6,607	-8,602
Q_5		11,118	8,364	5,610	2,856	0,102	-2,652	-5,406	-8,160	-10,914	-13,668	-16,422	12,966	11,157	9,348	7,539	5,730	3,921	2,112	0,303	-1,506	-3,315	-5,124	0,105	0,105	0,105	0,105	0,105	0,105	0,105	0,105	0,105	0,105	0,105
Q_6		-0,274	-0,274	-0,274	-0,274	-0,274	-0,274	-0,274	-0,274	-0,274	-0,274	-0,274	7,044	5,235	3,426	1,617	-0,192	-2,001	-3,810	-5,619	-7,428	-9,237	-11,046	12,168	10,173	8,178	6,183	4,188	2,193	0,198	-1,797	-3,792	-5,787	-7,782
Q_7		11,787	9,033	6,279	3,525	0,771	-1,983	-4,737	-7,491	-10,245	-12,999	-15,753	2,295	2,295	2,295	2,295	2,295	2,295	2,295	2,295	2,295	2,295	2,295	10,632	8,637	6,642	4,647	2,652	0,657	-1,338	-3,333	-5,328	-7,323	-9,318
inv	*slu*	41,90	33,00	24,09	15,19	6,28	-3,33	-12,23	-21,14	-30,04	-38,95	-47,85	55,55	37,76	31,91	26,07	20,22	14,65	11,51	8,38	-12,06	-17,91	-23,76	50,90	36,61	30,16	23,71	17,26	10,81	5,30	-3,32	-9,77	-16,22	-22,67



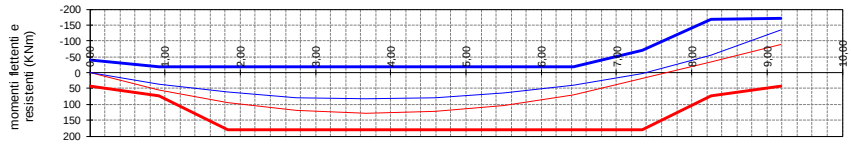
PRIMO SOLAIO - 3 campate1 **prima campata**

Rck	Ec	fcd	fctd	Acciaio	fyd	Bsup	Binf	Sp_ala	h	c	d
MPa	(MPa)	MPa		tipo	MPa	cm			cm	cm	cm
30	31220	14,11	1,14	Feb44k	391	120	40	6	36	4	32

Luce di calcolo (m) 9,18

Verifica agli stati limite ultimi

Inviluppo Momento max					Coeff. di redistribuzione delta= 1,00			psi-max			
	0,00	54,28	93,76	118,44	128,31	123,37	103,63	69,09	19,74	-32,47	-87,35
Inviluppo Momento min					Coeff. di redistribuzione delta=	1,00		psi-max			
	0,00	36,31	62,36	78,15	83,70	78,98	64,02	38,80	3,32	-54,35	-134,42
As,sup,app	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	4,83	11,94
As,inf,app	0,00	4,82	8,33	10,52	11,39	10,96	9,20	6,14	1,75	0,00	0,00
X	**0,00**	**0,92**	**1,84**	**2,75**	**3,67**	**4,59**	**5,51**	**6,43**	**7,34**	**8,26**	**9,18**
Armatura (cmq)											
ϕ6		5	5	5	5	5	5	5			
ϕ12	3										
ϕ16									3	3	3
ϕ20										3	3
As,sup	3,39	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	15,46	15,46
As,inf	3,39	6,03	15,46	15,46	15,46	15,46	15,46	15,46	15,46	6,03	3,39
ϕ12	3										3
ϕ16		3	3	3	3	3	3	3	3	3	
ϕ20			3	3	3	3	3	3	3		
ϕ5		0	0	0	0	0	0	0	0	0	0
Momenti positivi											
b	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00
psi	0,09	0,11	0,18	0,18	0,18	0,18	0,18	0,18	0,17	0,12	0,10
M+res	42,04	72,73	179,63	179,63	179,63	179,63	179,63	179,63	179,55	73,31	43,30
Momenti negativi											
b	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	**60,00**
psi	0,14	0,11	0,12	0,12	0,12	0,12	0,12	0,12	0,15	0,30	0,26
M-res	-40,10	-17,69	-17,90	-17,90	-17,90	-17,90	-17,90	-17,90	-69,23	-169,41	-172,02



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		v = 0,42		vbd = 53,56		
Vsd	50,28	39,60	28,91	18,22	7,54	-3,99	-14,68	-25,36	-36,05	-46,74	-57,42
ρ_1	0,0027	0,0047	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0121	0,0047	0,0027
Bmin	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 0,50 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	3,39	6,03	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46	15,46
A's (cmq)	3,39	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	6,03	3,39
b resistente	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00	**60,00**
Y	7,36	6,18	9,27	9,27	9,27	9,27	9,27	9,27	9,01	13,25	11,91
Wc	4999	11308	16420	16420	16420	16420	16420	16420	17092	9078	10961
Ws	1493	2705	6698	6698	6698	6698	6698	6698	6703	6414	6498
N. barre	3	3	6	6	6	6	6	6	6	6	6
dist. barre	16,00	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,80	6,40	10,40
Beff (cm)	40	42	92	92	92	92	92	92	92	40	60
Deff (cm)	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	11,38	12,05
Aeff	496,00	515,84	1140,80	1140,80	1140,80	1140,80	1140,80	1140,80	1140,80	455,02	722,70
RO,r	0,68%	1,17%	1,35%	1,35%	1,35%	1,35%	1,35%	1,35%	1,35%	3,40%	2,14%

Combinazioni di carico

Rara	0,00	39,99	69,06	87,21	94,44	90,75	76,13	50,60	14,14	-39,87	-98,91
Frequente	0,00	36,55	63,09	79,62	86,14	82,65	69,14	45,63	12,10	-36,08	-90,14
Quasi perm.	0,00	35,41	61,10	77,09	83,38	79,95	66,81	43,97	11,42	-34,81	-87,22

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-0,01	-3,54	-4,21	-5,31	-5,75	-5,53	-4,64	-3,08	-0,83	-4,39	-9,02
Sigma,S	0,01	221,73	154,66	195,31	211,50	203,22	170,49	113,31	31,64	93,24	228,31
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-0,01	-3,13	-3,72	-4,70	-5,08	-4,87	-4,07	-2,68	-0,67	-3,84	-7,96

Verifica allo stato limite di apertura fessure

Srm (mm)	187,71	152,91	145,88	145,88	145,88	145,88	145,88	145,88	145,88	98,46	116,85
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	0,10	202,66	141,29	178,31	192,91	185,09	154,84	102,18	27,08	84,37	208,08
Eps,sm	0,000%	0,039%	0,045%	0,068%	0,076%	0,072%	0,054%	0,020%	0,005%	0,033%	0,096%
Wk (mm)	0,000	0,102	0,112	0,168	0,189	0,178	0,133	0,049	0,013	0,056	0,190
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	0,10	196,30	136,84	172,65	186,71	179,04	149,63	98,47	25,56	81,42	201,34
Eps,sm	0,000%	0,038%	0,042%	0,065%	0,073%	0,068%	0,050%	0,019%	0,005%	0,032%	0,092%
Wk (mm)	0,000	0,099	0,104	0,160	0,181	0,169	0,125	0,047	0,012	0,053	0,183

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	0,000%	-0,010%	-0,012%	-0,015%	-0,016%	-0,016%	-0,013%	-0,009%	-0,002%	-0,012%	-0,025%
EpsSm	0,000%	0,094%	0,065%	0,083%	0,090%	0,086%	0,071%	0,046%	0,005%	0,037%	0,097%
freccia	0,000	0,937	1,686	2,201	2,466	2,461	2,196	1,718	1,107	0,483	0,000

freccia massima: 2,47 cm pari a L/ 372

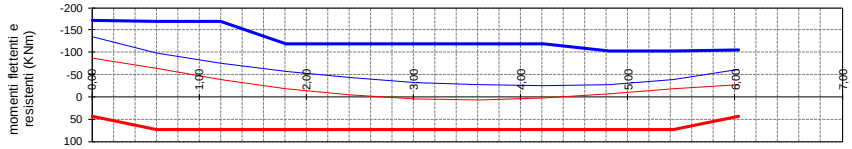
verifica sommaria: Rapporto di snellezza effettivo l/h = 25,50 < 26,00 Rapporto limite

PRIMO SOLAIO - 3 campate1 **seconda campata**

Luce di calcolo (m) 6,03

Verifica agli stati limite ultimi

Inviluppo Momento max				Coeff. di redistribuzione delta= 1,00				psi-max			
	-87,35	-64,56	-39,35	-18,91	-4,51	3,84	6,15	2,40	-7,39	-18,34	-26,73
Inviluppo Momento min				Coeff. di redistribuzione delta=		1,00		psi-max			
	-134,42	-98,27	-74,66	-56,43	-42,28	-32,22	-26,24	-24,34	-26,53	-37,69	-61,55
As,sup,app	11,94	8,73	6,63	5,01	3,75	2,86	2,33	2,16	2,36	3,35	5,47
As,inf,app	0,00	0,00	0,00	0,00	0,00	0,34	0,55	0,21	0,00	0,00	0,00
X	**0,00**	**0,60**	**1,21**	**1,81**	**2,41**	**3,02**	**3,62**	**4,22**	**4,82**	**5,43**	**6,03**
Armatura (cmq)											
ϕ6	0			5	5	5	5	5			
ϕ12	0										
ϕ16	3	3	3	3	3	3	3	3	3	3	3
ϕ20	3	3	3	1	1	1	1	1	1	1	1
As,sup	15,46	15,46	15,46	10,59	10,59	10,59	10,59	10,59	9,17	9,17	9,17
As,inf	3,39	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	3,39
ϕ12	3										3
ϕ16	0	3	3	3	3	3	3	3	3	3	
ϕ20	0										
ϕ5	0										
Momenti positivi											
b	120	120	120	120	120	120	120	120	120	120	120
psi	0,10	0,12	0,12	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,10
M+res	43,30	73,31	73,31	73,18	73,18	73,18	73,18	73,18	73,13	73,13	42,81
Momenti negativi											
b	**60**	40	40	40	40	40	40	40	40	40	**60**
psi	0,26	0,30	0,30	0,22	0,22	0,22	0,22	0,22	0,20	0,20	0,19
M-res	-172,02	-169,41	-169,41	-118,95	-118,95	-118,95	-118,95	-118,95	-103,75	-103,75	-105,63



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		V = 0,42		vbd = 53,56		
Vsd	66,66	45,32	38,30	31,28	24,26	17,58	13,82	10,05	-14,48	-21,50	-28,51
ρ_1	0,0027	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0027
Bmin	49,78	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 1,00 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	15,46	15,46	15,46	10,59	10,59	10,59	10,59	10,59	9,17	9,17	9,17
A's (cmq)	3,39	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	3,39
b resistente	**60,00**	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	**60,00**
Y	11,91	13,25	13,25	11,40	11,40	11,40	11,40	11,40	10,75	10,75	9,64
Wc	10961	9078	9078	8076	8076	8076	8076	8076	7702	7702	9161
Ws	6498	6414	6414	4472	4472	4472	4472	4472	3898	3898	3951
N. barre	6	6	6	9	9	9	9	9	4	4	4
dist. barre	10,40	6,40	6,40	4,00	4,00	4,00	4,00	4,00	10,67	10,67	16,80
Beff (cm)	60	40	40	40	40	40	40	40	40	40	58
Deff (cm)	12,05	11,38	11,38	12,30	12,30	12,30	12,30	12,30	12,40	12,40	12,40
Aeff	722,70	455,02	455,02	491,92	491,92	491,92	491,92	491,92	496,00	496,00	724,16
RO,r	2,14%	3,40%	3,40%	2,15%	2,15%	2,15%	2,15%	2,15%	1,85%	1,85%	1,27%

Combinazioni di carico

Rara	-98,91	-72,35	-54,58	-40,81	-30,18	-22,70	-18,35	-17,15	-19,09	-27,43	-44,65
Frequente	-90,14	-66,04	-49,02	-35,75	-25,62	-18,64	-14,79	-14,08	-16,52	-24,38	-39,40
Quasi perm.	-87,22	-63,93	-47,17	-34,07	-24,10	-17,28	-13,60	-13,06	-15,66	-23,36	-37,65

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-9,02	-7,97	-6,01	-5,05	-3,74	-2,81	-2,27	-2,12	-2,48	-3,56	-4,87
Sigma,S	228,31	169,21	127,65	136,90	101,25	76,14	61,57	57,53	73,46	105,55	169,52
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-7,96	-7,04	-5,20	-4,22	-2,98	-2,14	-1,68	-1,62	-2,03	-3,03	-4,11

Verifica allo stato limite di apertura fessure

Srm (mm)	116,85	98,46	98,46	103,88	103,88	103,88	103,88	103,88	121,77	121,77	148,96
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	208,08	154,44	114,65	119,93	85,95	62,51	49,61	47,24	63,57	93,82	149,59
Eps,sm	0,090%	0,067%	0,044%	0,039%	0,017%	0,012%	0,010%	0,009%	0,012%	0,018%	0,038%
Wk (mm)	0,180	0,111	0,074	0,068	0,029	0,021	0,017	0,016	0,026	0,038	0,095
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	201,34	149,52	110,32	114,27	80,85	57,97	45,62	43,81	60,28	89,91	142,95
Eps,sm	0,087%	0,064%	0,042%	0,035%	0,016%	0,011%	0,009%	0,009%	0,012%	0,017%	0,033%
Wk (mm)	0,172	0,107	0,070	0,062	0,028	0,020	0,016	0,015	0,024	0,036	0,083

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	-0,025%	-0,023%	-0,017%	-0,014%	-0,010%	-0,007%	-0,005%	-0,005%	-0,007%	-0,010%	-0,013%
EpsSm	0,096%	0,070%	0,050%	0,052%	0,035%	0,022%	0,014%	0,013%	0,023%	0,040%	0,067%
freccia	0,000	-0,289	-0,472	-0,571	-0,602	-0,581	-0,525	-0,445	-0,340	-0,200	0,000

freccia massima: 0,00 cm pari a L/ infinito

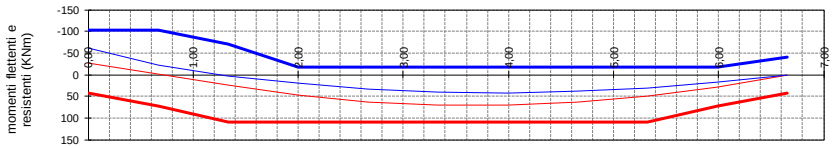
verifica sommaria: Rapporto di snellezza effettivo l/h = 16,75 < 26,00 Rapporto limite

PRIMO SOLAIO - 3 campate1 **terza campata**

Luce di calcolo (m) 6,65

Verifica agli stati limite ultimi

Inviluppo Momento max				Coeff. di redistribuzione delta= 1,00				psi-max			
	-26,73	-1,70	24,31	47,02	62,37	70,36	71,00	64,28	50,21	28,78	0,00
Inviluppo Momento min				Coeff. di redistribuzione delta=		1,00		psi-max			
	-61,55	-22,29	3,64	20,57	32,53	39,53	41,56	38,62	30,71	17,84	0,00
As,sup,app	5,47	1,98	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
As,inf,app	0,00	0,00	2,16	4,18	5,54	6,25	6,30	5,71	4,46	2,56	0,00
X	**0,00**	**0,67**	**1,33**	**2,00**	**2,66**	**3,33**	**3,99**	**4,66**	**5,32**	**5,99**	**6,65**
Armatura (cmq)											
ϕ6	0			5	5	5	5	5	5	5	
ϕ12	0										3
ϕ16	3	3	3								
ϕ20	1	1									
As,sup	9,17	9,17	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	3,39
As,inf	3,39	6,03	9,17	9,17	9,17	9,17	9,17	9,17	9,17	6,03	3,39
ϕ12	3										3
ϕ16	0	3	3	3	3	3	3	3	3	3	
ϕ20	0		1	1	1	1	1	1	1		
ϕ5	0										
Momenti positivi											
b	120	120	120	120	120	120	120	120	120	120	120
psi	0,10	0,11	0,13	0,13	0,13	0,13	0,13	0,13	0,13	0,11	0,09
M+res	42,81	73,13	109,00	109,12	109,12	109,12	109,12	109,12	109,12	72,73	42,04
Momenti negativi											
b	40	40	40	40	40	40	40	40	40	40	40
psi	0,23	0,20	0,16	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,14
M-res	-103,36	-103,75	-69,37	-17,79	-17,79	-17,79	-17,79	-17,79	-17,79	-17,69	-40,10



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		v = 0,42		vbd = 53,56		
Vsd	61,09	43,94	36,20	28,46	20,72	12,98	6,36	-3,98	-11,72	-19,46	-27,20
ρ_1	0,0027	0,0047	0,0072	0,0072	0,0072	0,0072	0,0072	0,0072	0,0072	0,0047	0,0027
Bmin	47,36	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 1,00 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	9,17	9,17	9,17	9,17	9,17	9,17	9,17	9,17	9,17	6,03	3,39
A's (cmq)	3,39	6,03	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	3,39
b resistente	**60,00**	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00
Y	9,64	10,75	7,21	7,43	7,43	7,43	7,43	7,43	7,43	6,18	7,36
Wc	9161	7702	13934	13429	13429	13429	13429	13429	13429	11308	4999
Ws	3951	3898	4054	4058	4058	4058	4058	4058	4058	2705	1493
N. barre	4	4	4	4	4	4	4	4	4	3	3
dist. barre	16,80	10,67	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,00
Beff (cm)	58	40	58	58	58	58	58	58	58	42	40
Deff (cm)	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40
Aeff	724,16	496,00	724,16	724,16	724,16	724,16	724,16	724,16	724,16	515,84	496,00
RO,r	1,27%	1,85%	1,27%	1,27%	1,27%	1,27%	1,27%	1,27%	1,27%	1,17%	0,68%

Combinazioni di carico

Rara	-44,65	-15,83	17,39	34,16	45,52	51,46	52,00	47,12	36,82	21,12	0,00
Frequente	-39,40	-13,25	14,83	30,25	40,73	46,28	46,89	42,57	33,32	19,13	0,00
Quasi perm.	-37,65	-12,39	13,97	28,94	39,14	44,55	45,19	41,06	32,15	18,46	0,00

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-4,87	-2,06	-1,25	-2,54	-3,39	-3,83	-3,87	-3,51	-2,74	-1,87	-0,01
Sigma,S	169,52	60,91	64,34	126,27	168,25	190,23	192,20	174,16	136,11	117,09	0,01
Combinazione quasi permanente							Sigma,C,amm = 0.45*fck =			11,21 MPa	
Sigma,C	-4,11	-1,61	-1,00	-2,16	-2,91	-3,32	-3,37	-3,06	-2,39	-1,63	-0,01

Verifica allo stato limite di apertura fessure

Srm (mm)	148,96	121,77	148,96	148,96	148,96	148,96	148,96	148,96	148,96	152,91	187,71
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	149,59	50,99	54,86	111,80	150,55	171,07	173,34	157,37	123,15	106,04	0,10
Eps,sm	0,038%	0,010%	0,011%	0,022%	0,029%	0,033%	0,034%	0,031%	0,024%	0,021%	0,000%
Wk (mm)	0,095	0,020	0,027	0,055	0,074	0,084	0,085	0,077	0,061	0,054	0,000
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	142,95	47,69	51,70	106,98	144,65	164,68	167,05	151,77	118,83	102,36	0,10
Eps,sm	0,033%	0,009%	0,010%	0,021%	0,028%	0,032%	0,032%	0,029%	0,023%	0,020%	0,000%
Wk (mm)	0,083	0,019	0,025	0,053	0,071	0,081	0,082	0,075	0,058	0,052	0,000

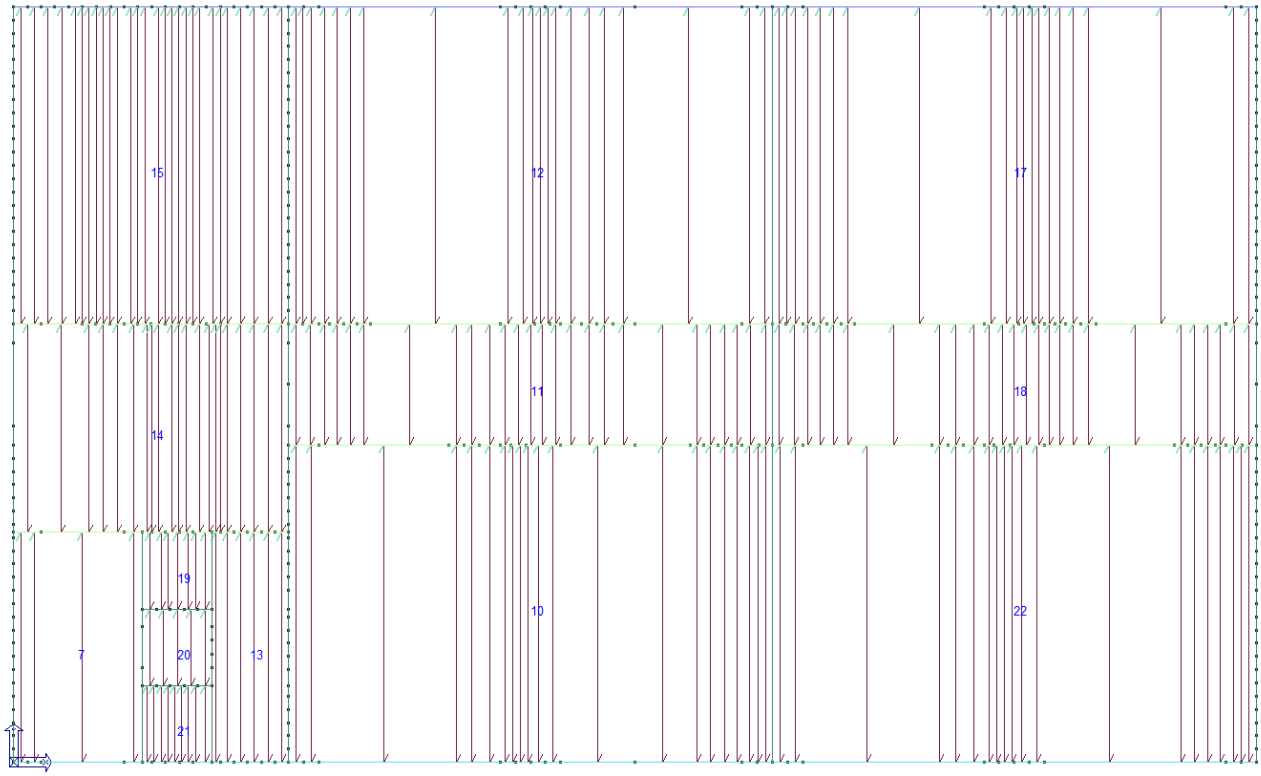
Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permanente

EpsCm	-0,013%	-0,005%	-0,003%	-0,007%	-0,009%	-0,011%	-0,011%	-0,010%	-0,008%	-0,005%	0,000%
EpsSm	0,067%	0,016%	0,018%	0,049%	0,068%	0,078%	0,079%	0,071%	0,055%	0,046%	0,000%
freccia	0,000	0,266	0,567	0,841	1,043	1,141	1,122	0,981	0,732	0,395	0,000

freccia massima: 1,14 cm pari a L/ 583

verifica sommaria: Rapporto di snellezza effettivo l/h = 18,47 < 26,00 Rapporto limite



Solaio di copertura

Solai Secondo 17-18-22 e 10-11-12 (G=5.0+1.0 kN/mq ; Q=2.0 kN/mq)

SOLAIO SECONDO 3 campate

SLU				Rara		Frequente		Quasi Perm.	
γ_{G1} =	1,3	γ_{G2} =	1,3	γ_Q =	1,5	ψ_{01} =	1	ψ_{11} =	0,5	ψ_{21} =	0,3

TRAVE A 3 CAMPATE

	Q_1 kN/ml	L_1 m	Q_2 kN/ml	L_2 m	Q_3 kN/ml	L_3 m	R_A kN	R_B kN	R_C kN	R_D kN	M_k kNm	M_B kNm	M_C kNm	M_D kNm	T_{ad} kN	T_{Bs} kN	T_{Bd} kN	T_{Cs} kN	T_{Cd} kN	T_{Ds} kN
G1	5,00	9,18	5,00	3,50	5,00	9,18	19,10	35,55	35,55	19,10	0,00	-35,36	-35,36	0,00	19,10	-26,80	8,75	-8,75	26,80	-19,10
G2	2,80	9,18	2,20	3,50	2,20	9,18	10,65	20,42	14,06	8,47	0,00	-20,23	-14,92	0,00	10,65	-15,06	5,37	-2,33	11,72	-8,47
Q_1	1,20	9,18	1,20	3,50	1,20	9,18	4,58	8,53	8,53	4,58	0,00	-8,49	-8,49	0,00	4,58	-6,43	2,10	-2,10	6,43	-4,58
Q_2	1,20	9,18	0,00	3,50	0,00	9,18	4,49	9,56	-3,17	0,14	0,00	-9,33	1,29	0,00	4,49	-6,52	3,03	3,03	-0,14	-0,14
Q_3	0,00	9,18	1,20	3,50	0,00	9,18	-0,05	2,15	2,15	-0,05	0,00	-0,45	-0,45	0,00	-0,05	-0,05	2,10	-2,10	0,05	0,05
Q_4	0,00	9,18	0,00	3,50	1,20	9,18	0,14	-3,17	9,56	4,49	0,00	1,29	-9,33	0,00	0,14	0,14	-3,03	-3,03	6,52	-4,49
Q_5	1,20	9,18	1,20	3,50	0,00	9,18	4,44	11,71	-1,03	0,09	0,00	-9,78	0,84	0,00	4,44	-6,57	5,13	0,93	-0,09	-0,09
Q_6	0,00	9,18	1,20	3,50	1,20	9,18	0,09	-1,03	11,71	4,44	0,00	0,84	-9,78	0,00	0,09	0,09	-0,93	-5,13	6,57	-4,44
Q_7	1,20	9,18	0,00	3,50	1,20	9,18	4,63	6,38	6,38	4,63	0,00	-8,04	-8,04	0,00	4,63	-6,38	0,00	0,00	6,38	-4,63

DISPOSIZIONE CARICHI

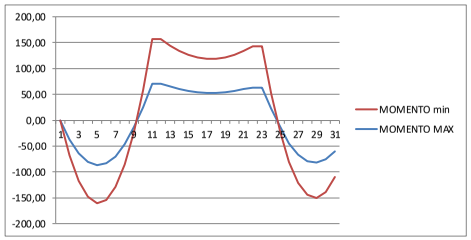
	1° camp.	*2° camp.*	*3° camp.*
G1	5,00	5,00	5,00
G2	2,80	2,20	2,20
Q_1	1,20	1,20	1,20
Q_2	1,20		
Q_3		1,20	
Q_4			1,20
Q_5	1,20	1,20	
Q_6		1,20	1,20
Q_7	1,20		1,20

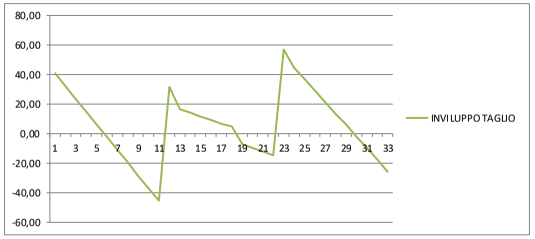
FLESSIONE

		A										B											C												D
		1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*		*22*	*23*	*24*	*25*	*26*	*27*	*28*	*29*	*30*	31
MOMENTO	L	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	9,530	9,880	10,230	10,580	10,930	11,280	11,630	11,980	12,330	12,680	12,680	13,598	14,516	15,434	16,352	17,270	18,188	19,106	20,024	20,942	21,860
	X	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	0,350	0,700	1,050	1,400	1,750	2,100	2,450	2,800	3,150	3,500	3,500	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180
G1		0,000	15,425	26,636	33,634	36,418	34,988	29,345	19,488	5,417	-12,867	-35,365	-35,365	-32,608	-30,465	-28,933	-28,015	-27,708	-28,015	-28,933	-30,465	-32,608	-35,365	-35,365	-12,867	5,417	19,488	29,345	34,988	36,418	33,634	26,636	15,425	0,000
G2		0,000	8,596	14,832	18,709	20,226	19,383	16,180	10,619	2,697	-7,584	-20,225	-20,225	-18,481	-17,007	-15,803	-14,868	-14,202	-13,806	-13,679	-13,822	-14,235	-14,917	-14,917	-5,082	2,899	9,025	13,298	15,717	16,281	14,992	11,849	6,851	0,000
Q_1		0,000	3,702	6,393	8,072	8,740	8,397	7,043	4,677	1,300	-3,088	-8,487	-8,487	-7,826	-7,311	-6,944	-6,723	-6,650	-6,723	-6,944	-7,311	-7,826	-8,487	-8,487	-3,088	1,300	4,677	7,043	8,397	8,740	8,072	6,393	3,702	0,000
Q_2		0,000	3,618	6,224	7,820	8,403	7,976	6,538	4,088	0,627	-3,846	-9,329	-9,329	-8,268	-7,206	-6,144	-5,083	-4,021	-2,959	-1,898	-0,836	0,226	1,288	1,288	1,159	1,030	0,901	0,773	0,644	0,515	0,386	0,258	0,129	0,000
Q_3		0,000	-0,045	-0,089	-0,134	-0,178	-0,223	-0,267	-0,312	-0,357	-0,401	-0,446	-0,446	0,216	0,730	1,098	1,318	1,392	1,318	1,098	0,730	0,216	-0,446	-0,446	-0,401	-0,357	-0,312	-0,267	-0,223	-0,178	-0,134	-0,089	-0,045	0,000
Q_4		0,000	0,129	0,258	0,386	0,515	0,644	0,773	0,901	1,030	1,159	1,288	1,288	0,226	-0,836	-1,898	-2,959	-4,021	-5,083	-6,144	-7,206	-8,268	-9,329	-9,329	-3,846	0,627	4,088	6,538	7,976	8,403	7,820	6,224	3,618	0,000
Q_5		0,000	3,573	6,135	7,686	8,225	7,753	6,270	3,776	0,270	-4,247	-9,775	-9,775	-8,052	-6,476	-5,046	-3,764	-2,629	-1,641	-0,800	-0,106	0,442	0,842	0,842	0,758	0,674	0,589	0,505	0,421	0,337	0,253	0,168	0,084	0,000
Q_6		0,000	0,084	0,168	0,253	0,337	0,421	0,505	0,589	0,674	0,758	0,842	0,842	0,442	-0,106	-0,800	-1,641	-2,629	-3,764	-5,046	-6,476	-8,052	-9,775	-9,775	-4,247	0,270	3,776	6,270	7,753	8,225	7,686	6,135	3,573	0,000
Q_7		0,000	3,747	6,482	8,206	8,919	8,620	7,310	4,989	1,657	-2,687	-8,042	-8,042	-8,042	-8,042	-8,042	-8,042	-8,042	-8,042	-8,042	-8,042	-8,042	-8,042	-8,042	-2,687	1,657	4,989	7,310	8,620	8,919	8,206	6,482	3,747	0,000
MAX	*alu*	0,000	36,847	63,631	80,354	87,014	83,612	70,148	46,622	13,034	-24,848	-70,335	-70,335	-65,754	-60,618	-56,510	-53,769	-52,396	-52,389	-53,750	-56,477	-60,233	-63,434	-63,434	-21,595	13,296	44,551	66,401	78,846	81,886	75,522	59,753	34,579	0,000
MIN	*slu*	0,000	31,160	53,775	67,844	73,369	70,348	58,782	38,670	10,014	-32,957	-86,929	-86,929	-78,818	-73,776	-70,220	-67,810	-66,546	-66,429	-67,459	-69,636	-73,297	-80,028	-80,028	-29,704	10,276	36,599	55,034	65,582	68,241	63,013	49,896	28,892	0,000
MAX	*rara*	0,000	27,767	47,950	60,548	65,562	62,991	52,835	35,095	9,771	-19,292	-54,302	-54,302	-50,648	-46,742	-43,638	-41,564	-40,519	-40,502	-41,515	-43,556	-46,401	-48,994	-48,994	-16,790	9,973	33,502	49,953	59,325	61,617	56,831	44,966	26,023	0,000
MIN	*rara*	0,000	23,976	41,379	52,209	56,465	54,148	45,258	29,794	7,758	-24,698	-65,365	-65,365	-59,357	-55,514	-52,778	-50,924	-49,952	-49,862	-50,654	-52,329	-55,111	-60,056	-60,056	-22,196	7,959	28,201	42,375	50,482	52,521	48,492	38,396	22,232	0,000
MAX	*frequente*	0,000	26,643	46,005	58,086	62,886	60,405	50,642	33,599	9,274	-19,640	-54,688	-54,688	-50,781	-46,961	-43,968	-41,959	-40,936	-40,898	-41,844	-43,776	-46,534	-49,380	-49,380	-17,138	9,476	32,006	47,760	56,739	58,942	54,370	43,022	24,899	0,000
MIN	*frequente*	0,000	23,989	41,406	52,249	56,518	54,215	45,338	29,888	7,865	-23,424	-62,432	-62,432	-56,877	-53,101	-50,365	-48,511	-47,540	-47,450	-48,242	-49,916	-52,630	-57,124	-57,124	-20,922	8,066	28,295	42,456	50,549	52,574	48,532	38,422	22,245	0,000
MAX	*q.permanente*	0,000	26,269	45,357	57,266	61,994	59,543	49,911	33,100	9,108	-19,756	-54,817	-54,817	-50,825	-47,034	-44,077	-42,091	-41,075	-41,029	-41,954	-43,849	-46,578	-49,509	-49,509	-17,253	9,310	31,507	47,029	55,877	58,050	53,549	42,374	24,524	0,000
MIN	*q.permanente*	0,000	23,994	41,415	52,262	56,536	54,237	45,365	29,919	7,900	-22,999	-61,455	-61,455	-56,050	-52,297	-49,561	-47,707	-46,735	-46,646	-47,438	-49,112	-51,804	-56,146	-56,146	-20,497	8,102	28,326	42,482	50,571	52,592	48,545	38,431	22,249	0,000

TAGLIO

		A_d										B_s	B_d										C_s	C_d											D_s
		1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*	*21*		*22*	*23*	*24*	*25*	*26*	*27*	*28*	*29*	*30*	31
TAGLIO	L	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	9,530	9,880	10,230	10,580	10,930	11,280	11,630	11,980	12,330	12,680	12,680	13,598	14,516	15,434	16,352	17,270	18,188	19,106	20,024	20,942	21,860
	X	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	0,350	0,700	1,050	1,400	1,750	2,100	2,450	2,800	3,150	3,500	3,500	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180
G1		19,098	14,508	9,918	5,328	0,738	-3,852	-8,442	-13,032	-17,622	-22,212	-26,802	8,750	7,000	5,250	3,500	1,750	0,000	-1,750	-3,500	-5,250	-7,000	-8,750	26,802	22,212	17,622	13,032	8,442	3,852	-0,738	-5,328	-9,918	-14,508	-19,098
G2		10,649	8,078	5,508	2,938	0,367	-2,203	-4,774	-7,344	-9,914	-12,485	-15,055	5,367	4,597	3,827	3,057	2,287	1,517	0,747	-0,023	-0,793	-1,563	-2,333	11,723	9,703	7,684	5,664	3,645	1,625	-0,395	-2,414	-4,434	-6,453	-8,473
Q_1		4,583	3,482	2,380	1,279	0,177	-0,925	-2,026	-3,128	-4,229	-5,331	-6,433	2,100	1,680	1,260	0,840	0,420	0,000	-0,420	-0,840	-1,260	-1,680	-2,100	6,433	5,331	4,229	3,128	2,026	0,925	-0,177	-1,279	-2,380	-3,482	-4,583
Q_2		4,492	3,390	2,289	1,187	0,085	-1,016	-2,118	-3,219	-4,321	-5,423	-6,524	3,033	3,033	3,033	3,033	3,033	3,033	3,033	3,033	3,033	3,033	3,033	-0,140	-0,140	-0,140	-0,140	-0,140	-0,140	-0,140	-0,140	-0,140	-0,140	-0,140
Q_3		-0,049	-0,049	-0,049	-0,049	-0,049	-0,049	-0,049	-0,049	-0,049	-0,049	-0,049	2,100	1,680	1,260	0,840	0,420	0,000	-0,420	-0,840	-1,260	-1,680	-2,100	0,049	0,049	0,049	0,049	0,049	0,049	0,049	0,049	0,049	0,049	0,049
Q_4		0,140	0,140	0,140	0,140	0,140	0,140	0,140	0,140	0,140	0,140	0,140	-3,033	-3,033	-3,033	-3,033	-3,033	-3,033	-3,033	-3,033	-3,033	-3,033	-3,033	6,524	5,423	4,321	3,219	2,118	1,016	-0,085	-1,187	-2,289	-3,390	-4,492
Q_5		4,443	3,342	2,240	1,138	0,037	-1,065	-2,166	-3,268	-4,370	-5,471	-6,573	5,133	4,713	4,293	3,873	3,453	3,033	2,613	2,193	1,773	1,353	0,933	-0,092	-0,092	-0,092	-0,092	-0,092	-0,092	-0,092	-0,092	-0,092	-0,092	-0,092
Q_6		0,092	0,092	0,092	0,092	0,092	0,092	0,092	0,092	0,092	0,092	0,092	-0,933	-1,353	-1,773	-2,193	-2,613	-3,033	-3,453	-3,873	-4,293	-4,713	-5,133	6,573	5,471	4,370	3,268	2,166	1,065	-0,037	-1,138	-2,240	-3,342	-4,443
Q_7		4,632	3,530	2,429	1,327	0,226	-0,876	-1,978	-3,079	-4,181	-5,282	-6,384	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	6,384	5,282	4,181	3,079	1,978	0,876	-0,226	-1,327	-2,429	-3,530	-4,632
inv	*slu*	40,80	32,17	23,54	14,91	6,28	-2,35	-10,97	-19,60	-28,23	-36,86	-45,49	31,36	16,63	14,18	11,73	9,28	6,83	5,01	-7,18	-9,63	-12,08	-14,53	56,98	44,62	36,82	29,02	21,22	13,41	6,27	-2,19	-10,00	-17,80	-25,60





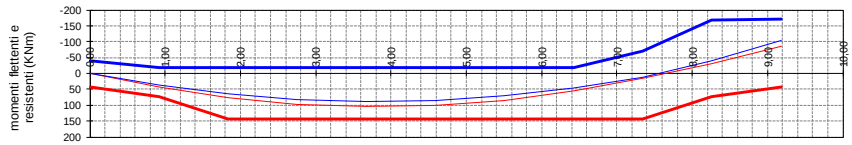
SECONDO SOLAIO - 3 campate **prima campata**

Rck	Ec	fcd	fctd	Acciaio	fyd	Bsup	Binf	Sp_ala	h	c	d
MPa	(MPa)	MPa		tipo	MPa	cm			cm	cm	cm
30	31220	14,11	1,14	Feb44k	391	120	40	6	36	4	32

Luce di calcolo (m) 9,18

Verifica agli stati limite ultimi

Inviluppo Momento max				Coeff. di redistribuzione delta= 1,00				psi-max			
	0,00	44,22	76,36	96,42	104,42	100,33	84,18	55,95	15,64	-29,82	-84,40
Inviluppo Momento min				Coeff. di redistribuzione delta=		1,00		psi-max			
	0,00	37,39	64,53	81,41	88,04	84,42	70,54	46,40	12,02	-39,55	-104,31
As,sup,app	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	3,51	9,26
As,inf,app	0,00	3,93	6,78	8,56	9,27	8,91	7,48	4,97	1,39	0,00	0,00
X	**0,00**	**0,92**	**1,84**	**2,75**	**3,67**	**4,59**	**5,51**	**6,43**	**7,34**	**8,26**	**9,18**
Armatura (cmq)											
ϕ6		5	5	5	5	5	5	5			
ϕ12	3										
ϕ16									3	3	3
ϕ20										3	3
As,sup	3,39	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	15,46	15,46
As,inf	3,39	6,03	12,32	12,32	12,32	12,32	12,32	12,32	12,32	6,03	3,39
ϕ12	3										3
ϕ16		3	3	3	3	3	3	3	3	3	
ϕ20			2	2	2	2	2	2	2		
ϕ5		0	0	0	0	0	0	0	0	0	0
Momenti positivi											
b	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00
psi	0,09	0,11	0,16	0,16	0,16	0,16	0,16	0,16	0,15	0,12	0,10
M+res	42,04	72,73	144,79	144,79	144,79	144,79	144,79	144,79	144,54	73,31	43,30
Momenti negativi											
b	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	**60,00**
psi	0,14	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,15	0,30	0,26
M-res	-40,10	-17,69	-17,86	-17,86	-17,86	-17,86	-17,86	-17,86	-69,29	-169,41	-172,02



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		V = 0,42		vbd = 53,56		
Vsd	48,96	38,61	28,25	17,90	7,54	-2,81	-13,17	-23,53	-33,88	-44,24	-54,59
ρ_1	0,0027	0,0047	0,0096	0,0096	0,0096	0,0096	0,0096	0,0096	0,0096	0,0047	0,0027
Bmin	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 0,50 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	3,39	6,03	12,32	12,32	12,32	12,32	12,32	12,32	12,32	15,46	15,46
A's (cmq)	3,39	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	6,03	3,39
b resistente	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00	**60,00**
Y	7,36	6,18	8,43	8,43	8,43	8,43	8,43	8,43	8,19	13,25	11,91
Wc	4999	11308	15071	15071	15071	15071	15071	15071	15672	9078	10961
Ws	1493	2705	5388	5388	5388	5388	5388	5388	5387	6414	6498
N. barre	3	3	5	5	5	5	5	5	5	6	6
dist. barre	16,00	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,80	6,40	10,40
Beff (cm)	40	42	75	75	75	75	75	75	75	40	60
Deff (cm)	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	11,38	12,05
Aeff	496,00	515,84	932,48	932,48	932,48	932,48	932,48	932,48	932,48	455,02	722,70
RO,r	0,68%	1,17%	1,32%	1,32%	1,32%	1,32%	1,32%	1,32%	1,32%	3,40%	2,14%

Combinazioni di carico

Rara	0,00	33,32	57,54	72,66	78,67	75,59	63,40	42,11	11,73	-29,64	-78,44
Frequente	0,00	31,97	55,21	69,70	75,46	72,49	60,77	40,32	11,13	-28,11	-74,92
Quasi perm.	0,00	31,52	54,43	68,72	74,39	71,45	59,89	39,72	10,93	-27,60	-73,75

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-0,01	-2,95	-3,82	-4,82	-5,22	-5,02	-4,21	-2,79	-0,75	-3,26	-7,16
Sigma,S	0,01	184,74	160,20	202,29	219,04	210,45	176,52	117,25	32,65	69,31	181,06
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-0,01	-2,79	-3,61	-4,56	-4,94	-4,74	-3,97	-2,64	-0,70	-3,04	-6,73

Verifica allo stato limite di apertura fessure

Srm (mm)	187,71	152,91	147,03	147,03	147,03	147,03	147,03	147,03	147,03	98,46	116,85
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	0,10	177,26	153,70	194,07	210,10	201,81	169,20	112,25	30,99	65,74	172,94
Eps,sm	0,000%	0,034%	0,042%	0,069%	0,078%	0,073%	0,053%	0,022%	0,006%	0,022%	0,078%
Wk (mm)	0,000	0,089	0,106	0,171	0,196	0,183	0,132	0,054	0,015	0,037	0,154
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	0,10	174,77	151,54	191,33	207,12	198,93	166,75	110,59	30,43	64,55	170,23
Eps,sm	0,000%	0,034%	0,041%	0,067%	0,077%	0,072%	0,051%	0,021%	0,006%	0,021%	0,076%
Wk (mm)	0,000	0,088	0,102	0,167	0,191	0,179	0,128	0,054	0,015	0,036	0,151

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	0,000%	-0,009%	-0,012%	-0,015%	-0,016%	-0,015%	-0,013%	-0,008%	-0,002%	-0,010%	-0,022%
EpsSm	0,000%	0,084%	0,072%	0,092%	0,100%	0,096%	0,080%	0,052%	0,009%	0,029%	0,082%
freccia	0,000	0,995	1,812	2,387	2,691	2,700	2,426	1,917	1,261	0,575	0,000

freccia massima: 2,70 cm pari a L/ 340

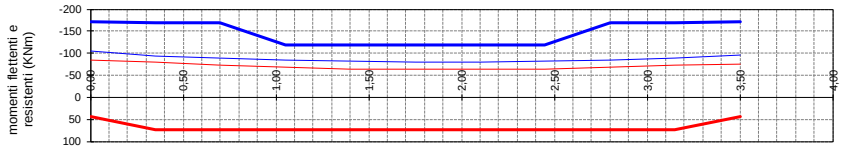
verifica sommaria: Rapporto di snellezza effettivo l/h = 25,50 < 26,00 Rapporto limite

SECONDO SOLAIO - 3 campate **seconda campata**

Luce di calcolo (m) 3,50

Verifica agli stati limite ultimi

Inviluppo Momento max					Coeff. di redistribuzione delta= 1,00			psi-max			
	-84,40	-78,90	-72,74	-67,81	-64,52	-62,87	-62,87	-64,50	-67,77	-72,28	-76,12
Inviluppo Momento min					Coeff. di redistribuzione delta=	1,00		psi-max			
	-104,31	-94,58	-88,53	-84,26	-81,37	-79,86	-79,72	-80,95	-83,56	-87,96	-96,03
As,sup,app	9,26	8,40	7,86	7,48	7,23	7,09	7,08	7,19	7,42	7,81	8,53
As,inf,app	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
X	**0,00**	**0,35**	**0,70**	**1,05**	**1,40**	**1,75**	**2,10**	**2,45**	**2,80**	**3,15**	**3,50**
Armatura (cmq)											
ϕ6	0			5	5	5	5	5			
ϕ12	0										
ϕ16	3	3	3	3	3	3	3	3	3	3	3
ϕ20	3	3	3	1	1	1	1	1	3	3	3
As,sup	15,46	15,46	15,46	10,59	10,59	10,59	10,59	10,59	15,46	15,46	15,46
As,inf	3,39	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	3,39
ϕ12	3										3
ϕ16	0	3	3	3	3	3	3	3	3	3	
ϕ20	0										
ϕ5	0										
Momenti positivi											
b	120	120	120	120	120	120	120	120	120	120	120
psi	0,10	0,12	0,12	0,11	0,11	0,11	0,11	0,11	0,12	0,12	0,10
M+res	43,30	73,31	73,31	73,18	73,18	73,18	73,18	73,18	73,31	73,31	43,30
Momenti negativi											
b	**60**	40	40	40	40	40	40	40	40	40	**60**
psi	0,26	0,30	0,30	0,22	0,22	0,22	0,22	0,22	0,30	0,30	0,26
M-res	-172,02	-169,41	-169,41	-118,95	-118,95	-118,95	-118,95	-118,95	-169,41	-169,41	-172,02



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		V = 0,42		vbd = 53,56		
Vsd	37,63	19,95	17,01	14,07	11,13	8,19	6,01	-8,61	-11,55	-14,49	-17,43
ρ_1	0,0027	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0027
Bmin	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 1,00 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	15,46	15,46	15,46	10,59	10,59	10,59	10,59	10,59	15,46	15,46	15,46
A's (cmq)	3,39	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	3,39
b resistente	**60,00**	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	**60,00**
Y	11,91	13,25	13,25	11,40	11,40	11,40	11,40	11,40	13,25	13,25	11,91
Wc	10961	9078	9078	8076	8076	8076	8076	8076	9078	9078	10961
Ws	6498	6414	6414	4472	4472	4472	4472	4472	6414	6414	6498
N. barre	6	6	6	9	9	9	9	9	6	6	6
dist. barre	10,40	6,40	6,40	4,00	4,00	4,00	4,00	4,00	6,40	6,40	10,40
Beff (cm)	60	40	40	40	40	40	40	40	40	40	60
Deff (cm)	12,05	11,38	11,38	12,30	12,30	12,30	12,30	12,30	11,38	11,38	12,05
Aeff	722,70	455,02	455,02	491,92	491,92	491,92	491,92	491,92	455,02	455,02	722,70
RO,r	2,14%	3,40%	3,40%	2,15%	2,15%	2,15%	2,15%	2,15%	3,40%	3,40%	2,14%

Combinazioni di carico

Rara	-78,44	-71,23	-66,62	-63,33	-61,11	-59,94	-59,83	-60,79	-62,79	-66,13	-72,07
Frequente	-74,92	-68,25	-63,72	-60,44	-58,21	-57,05	-56,94	-57,89	-59,90	-63,16	-68,55
Quasi perm.	-73,75	-67,26	-62,76	-59,47	-57,25	-56,08	-55,97	-56,93	-58,93	-62,16	-67,38

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-7,16	-7,85	-7,34	-7,84	-7,57	-7,42	-7,41	-7,53	-6,92	-7,29	-6,57
Sigma,S	181,06	166,58	155,80	212,45	204,98	201,07	200,71	203,90	146,86	154,66	166,36
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-6,73	-7,41	-6,91	-7,36	-7,09	-6,94	-6,93	-7,05	-6,49	-6,85	-6,15

Verifica allo stato limite di apertura fessure

Srm (mm)	116,85	98,46	98,46	103,88	103,88	103,88	103,88	103,88	98,46	98,46	116,85
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	172,94	159,62	149,02	202,74	195,27	191,36	191,00	194,19	140,09	147,70	158,23
Eps,sm	0,071%	0,069%	0,064%	0,087%	0,083%	0,081%	0,080%	0,082%	0,059%	0,063%	0,063%
Wk (mm)	0,141	0,116	0,106	0,153	0,146	0,142	0,142	0,145	0,098	0,105	0,125
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	170,23	157,30	146,77	199,50	192,04	188,12	187,76	190,95	137,83	145,38	155,53
Eps,sm	0,070%	0,068%	0,062%	0,085%	0,081%	0,079%	0,079%	0,080%	0,057%	0,062%	0,061%
Wk (mm)	0,138	0,114	0,104	0,150	0,143	0,139	0,139	0,142	0,096	0,103	0,122

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

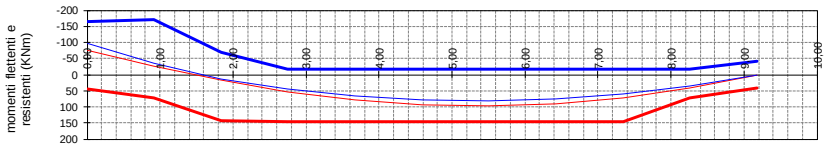
EpsCm	-0,022%	-0,024%	-0,022%	-0,024%	-0,023%	-0,022%	-0,022%	-0,023%	-0,021%	-0,022%	-0,020%
EpsSm	0,080%	0,074%	0,069%	0,095%	0,091%	0,089%	0,089%	0,091%	0,064%	0,068%	0,073%
freccia	0,000	-0,181	-0,325	-0,431	-0,495	-0,515	-0,491	-0,425	-0,319	-0,177	0,000
freccia massima:		0,00 cm			pari a L/ infinito						
verifica sommaria:		Rapporto di snellezza effettivo l/h =				9,72	<	26,00 Rapporto limite			

SECONDO SOLAIO - 3 campate **terza campata**

Luce di calcolo (m) 9,18

Verifica agli stati limite ultimi

Inviluppo Momento max					Coeff. di redistribuzione delta= 1,00				psi-max		
	-76,12	-25,91	15,96	53,46	79,68	94,62	98,26	90,63	71,70	41,49	0,00
Inviluppo Momento min					Coeff. di redistribuzione delta=		1,00		psi-max		
	-96,03	-35,64	12,33	43,92	66,04	78,70	81,89	75,62	59,88	34,67	0,00
As,sup,app	8,53	3,17	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
As,inf,app	0,00	0,00	1,42	4,75	7,08	8,40	8,73	8,05	6,37	3,68	0,00
X	**0,00**	**0,92**	**1,84**	**2,75**	**3,67**	**4,59**	**5,51**	**6,43**	**7,34**	**8,26**	**9,18**
Armatura (cmq)											
ϕ6	0			5	5	5	5	5	5	5	
ϕ12	0										3
ϕ16	3	3	3								
ϕ20	3	3									
As,sup	15,46	15,46	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	3,39
As,inf	3,39	6,03	12,32	12,32	12,32	12,32	12,32	12,32	12,32	6,03	3,39
ϕ12	3										3
ϕ16	0	3	3	3	3	3	3	3	3	3	
ϕ20	0		2	2	2	2	2	2	2		
ϕ5	0										
Momenti positivi											
b	120	120	120	120	120	120	120	120	120	120	120
psi	0,10	0,12	0,15	0,16	0,16	0,16	0,16	0,16	0,16	0,11	0,09
M+res	43,30	73,31	144,54	144,79	144,79	144,79	144,79	144,79	144,80	72,73	42,04
Momenti negativi											
b	40	40	40	40	40	40	40	40	40	40	40
psi	0,38	0,30	0,15	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,14
M-res	-164,26	-169,41	-69,29	-17,86	-17,86	-17,86	-17,86	-17,86	-17,86	-17,69	-40,10



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		v = 0,42		vbd = 53,56		
Vsd	68,37	53,55	44,19	34,82	25,46	16,09	7,53	-2,63	-12,00	-21,36	-30,72
ρ_1	0,0027	0,0047	0,0096	0,0096	0,0096	0,0096	0,0096	0,0096	0,0096	0,0047	0,0027
Bmin	53,01	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 1,00 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	15,46	15,46	12,32	12,32	12,32	12,32	12,32	12,32	12,32	6,03	3,39
A's (cmq)	3,39	6,03	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	3,39
b resistente	**60,00**	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00
Y	11,91	13,25	8,19	8,43	8,43	8,43	8,43	8,43	8,43	6,18	7,36
Wc	10961	9078	15672	15071	15071	15071	15071	15071	15071	11308	4999
Ws	6498	6414	5387	5388	5388	5388	5388	5388	5388	2705	1493

N. barre	6	6	5	5	5	5	5	5	5	3	3
dist. barre	10,40	6,40	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,00
Beff (cm)	60	40	75	75	75	75	75	75	75	42	40
Deff (cm)	12,05	11,38	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40
Aeff	722,70	455,02	932,48	932,48	932,48	932,48	932,48	932,48	932,48	515,84	496,00
RO,r	2,14%	3,40%	1,32%	1,32%	1,32%	1,32%	1,32%	1,32%	1,32%	1,17%	0,68%

Combinazioni di carico

Rara	-72,07	-26,63	11,97	40,20	59,94	71,19	73,94	68,20	53,96	31,23	0,00
Frequente	-68,55	-25,11	11,37	38,41	57,31	68,09	70,73	65,24	51,63	29,88	0,00
Quasi perm.	-67,38	-24,60	11,17	37,81	56,43	67,05	69,66	64,26	50,85	29,43	0,00

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-6,57	-2,93	-0,76	-2,67	-3,98	-4,72	-4,91	-4,53	-3,58	-2,76	-0,01
Sigma,S	166,36	62,29	33,32	111,93	166,89	198,20	205,86	189,87	150,23	173,13	0,01
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-6,15	-2,71	-0,71	-2,51	-3,74	-4,45	-4,62	-4,26	-3,37	-2,60	-0,01

Verifica allo stato limite di apertura fessure

Srm (mm)	116,85	98,46	147,03	147,03	147,03	147,03	147,03	147,03	147,03	152,91	187,71
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	158,23	58,71	31,66	106,93	159,57	189,56	196,93	181,65	143,74	165,65	0,10
Eps,sm	0,063%	0,011%	0,006%	0,021%	0,031%	0,040%	0,045%	0,035%	0,028%	0,032%	0,000%
Wk (mm)	0,125	0,019	0,015	0,052	0,077	0,099	0,113	0,088	0,070	0,084	0,000
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	155,53	57,52	31,11	105,26	157,12	186,68	193,95	178,91	141,57	163,16	0,10
Eps,sm	0,061%	0,011%	0,006%	0,020%	0,031%	0,037%	0,043%	0,035%	0,027%	0,032%	0,000%
Wk (mm)	0,122	0,019	0,015	0,051	0,076	0,093	0,107	0,087	0,069	0,082	0,000

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente											
EpsCm	-0,020%	-0,009%	-0,002%	-0,008%	-0,012%	-0,014%	-0,015%	-0,014%	-0,011%	-0,008%	0,000%
EpsSm	0,073%	0,022%	0,003%	0,048%	0,074%	0,089%	0,092%	0,085%	0,066%	0,077%	0,000%
freccia	0,000	0,533	1,163	1,769	2,241	2,495	2,487	2,205	1,673	0,918	0,000
freccia massima:		2,50 cm			pari a L/	368					
verifica sommaria:		Rapporto di snellezza effettivo l/h =				25,50	<	26,00	Rapporto limite		

Solai Secondo 15-14-7 e 15-14-13 (G=5.0+1.0 kN/mq ; Q=2.0 kN/mq)

SOLAIO SECONDO 3 campate1

SLU				Rara		Frequente		Quasi Perm.	
γ_{G1} =	1,3	γ_{G2} =	1,3	γ_{Q} =	1,5	ψ_{01} =	1	ψ_{11} =	0,5	ψ_{21} =	0,3

TRAVE A 3 CAMPATE

	Q_1 kN/ml	L_1 m	Q_2 kN/ml	L_2 m	Q_3 kN/ml	L_3 m	R_A kN	R_B kN	R_C kN	R_D kN	M_A kNm	M_B kNm	M_C kNm	M_D kNm	T_{Ad} kN	T_{Bs} kN	T_{Bd} kN	T_{Cs} kN	T_{Cd} kN	T_{Ds} kN
G1	5,00	9,18	5,00	6,03	5,00	6,65	18,86	45,63	30,65	14,16	0,00	-37,55	-16,37	0,00	18,86	-27,04	18,59	-11,56	19,09	-14,16
G2	2,80	9,18	2,20	6,03	2,20	6,65	10,62	24,09	12,52	6,37	0,00	-20,53	-6,25	0,00	10,62	-15,09	9,00	-4,27	8,26	-6,37
Q_1	1,20	9,18	1,20	6,03	1,20	6,65	4,53	10,95	7,36	3,40	0,00	-9,01	-3,93	0,00	4,53	-6,49	4,46	-2,78	4,58	-3,40
Q_2	1,20	9,18	0,00	6,03	0,00	6,65	4,64	8,02	-1,93	0,29	0,00	-8,01	1,90	0,00	4,64	-6,38	1,64	1,64	-0,29	-0,29
Q_3	0,00	9,18	1,20	6,03	0,00	6,65	-0,19	3,73	4,02	-0,33	0,00	-1,73	-2,18	0,00	-0,19	-0,19	3,54	-3,69	0,33	0,33
Q_4	0,00	9,18	0,00	6,03	1,20	6,65	0,08	-0,80	5,26	3,44	0,00	0,72	-3,65	0,00	0,08	0,08	-0,73	-0,73	4,54	-3,44
Q_5	1,20	9,18	1,20	6,03	0,00	6,65	4,45	11,76	2,09	-0,04	0,00	-9,74	-0,28	0,00	4,45	-6,57	5,19	-2,05	0,04	0,04
Q_6	0,00	9,18	1,20	6,03	1,20	6,65	-0,11	2,93	9,29	3,11	0,00	-1,01	-5,83	0,00	-0,11	-0,11	2,82	-4,42	4,87	-3,11
Q_7	1,20	9,18	0,00	6,03	1,20	6,65	4,71	7,22	3,33	3,73	0,00	-7,28	-1,75	0,00	4,71	-6,30	0,92	0,92	4,25	-3,73

DISPOSIZIONE CARICHI

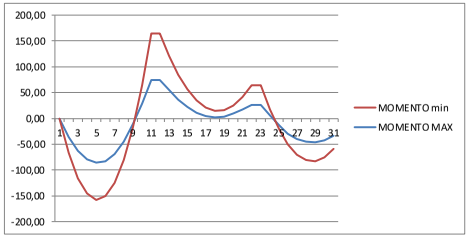
	1° camp.	2° camp.	3° camp.
G1	5,00	5,00	5,00
G2	2,80	2,20	2,20
Q_1	1,20	1,20	1,20
Q_2	1,20		
Q_3		1,20	
Q_4			1,20
Q_5	1,20	1,20	
Q_6		1,20	1,20
Q_7	1,20		1,20

FLESSIONE

		A										B											C											D
		1	2	3	4	5	6	7	8	9	10	11	12	12	13	14	15	16	17	18	19	20	21		22	23	24	25	26	27	28	29	30	31
MOMENTO	L	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	9,783	10,386	10,989	11,592	12,195	12,798	13,401	14,004	14,607	15,210	15,210	15,875	16,540	17,205	17,870	18,535	19,200	19,865	20,530	21,195	21,860
	X	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	0,603	1,206	1,809	2,412	3,015	3,618	4,221	4,824	5,427	6,030	6,030	0,665	1,330	1,995	2,660	3,325	3,990	4,655	5,320	5,985	6,650
G1		0,000	15,206	26,198	32,977	35,542	33,894	28,032	17,956	3,666	-14,837	-37,553	-37,553	-27,254	-18,773	-12,110	-7,265	-4,238	-3,029	-3,638	-6,065	-10,310	-16,373	-16,373	-4,786	4,590	11,756	16,710	19,452	19,984	18,305	14,414	8,313	0,000
G2		0,000	8,566	14,772	18,618	20,105	19,232	15,999	10,407	2,456	-7,856	-20,527	-20,527	-15,500	-11,272	-7,845	-5,218	-3,390	-2,363	-2,135	-2,708	-4,080	-6,252	-6,252	-1,249	2,781	5,839	7,923	9,035	9,174	8,340	6,533	3,753	0,000
Q_1		0,000	3,649	6,288	7,914	8,530	8,134	6,728	4,309	0,880	-3,561	-9,013	-9,013	-6,541	-4,505	-2,906	-1,744	-1,017	-0,727	-0,873	-1,456	-2,474	-3,930	-3,930	-1,149	1,102	2,821	4,010	4,669	4,796	4,393	3,459	1,995	0,000
Q_2		0,000	3,750	6,489	8,216	8,933	8,637	7,331	5,014	1,685	-2,655	-8,007	-8,007	-7,016	-6,025	-5,034	-4,043	-3,051	-2,060	-1,069	-0,078	0,913	1,904	1,904	1,713	1,523	1,333	1,142	0,952	0,762	0,571	0,381	0,190	0,000
Q_3		0,000	-0,173	-0,346	-0,519	-0,692	-0,865	-1,038	-1,211	-1,384	-1,557	-1,730	-1,730	0,189	1,670	2,716	3,325	3,498	3,235	2,535	1,399	-0,174	-2,182	-2,182	-1,964	-1,746	-1,528	-1,309	-1,091	-0,873	-0,655	-0,436	-0,218	0,000
Q_4		0,000	0,072	0,145	0,217	0,289	0,362	0,434	0,507	0,579	0,651	0,724	0,724	0,286	-0,151	-0,589	-1,026	-1,464	-1,901	-2,339	-2,776	-3,213	-3,651	-3,651	-0,898	1,325	3,016	4,177	4,808	4,908	4,477	3,515	2,023	0,000
Q_5		0,000	3,577	6,143	7,697	8,241	7,773	6,293	3,803	0,301	-4,212	-9,736	-9,736	-6,827	-4,354	-2,318	-0,717	0,447	1,174	1,465	1,320	0,739	-0,279	-0,279	-0,251	-0,223	-0,195	-0,167	-0,139	-0,111	-0,084	-0,056	-0,028	0,000
Q_6		0,000	-0,101	-0,201	-0,302	-0,402	-0,503	-0,604	-0,704	-0,805	-0,905	-1,006	-1,006	0,475	1,519	2,127	2,299	2,034	1,334	0,196	-1,377	-3,387	-5,833	-5,833	-2,862	-0,421	1,489	2,868	3,717	4,035	3,822	3,079	1,805	0,000
Q_7		0,000	3,822	6,634	8,433	9,222	8,999	7,765	5,520	2,264	-2,004	-7,283	-7,283	-6,729	-6,176	-5,622	-5,069	-4,515	-3,962	-3,408	-2,854	-2,301	-1,747	-1,747	0,816	2,848	4,349	5,320	5,760	5,669	5,048	3,896	2,213	0,000
MAX	*alu*	0,000	36,637	63,211	79,724	86,174	82,562	68,888	45,152	11,354	-28,523	-74,418	-74,418	-54,867	-36,553	-21,867	-11,239	-4,669	-2,157	-3,703	-9,306	-17,338	-26,557	-26,557	-5,275	13,855	29,396	40,002	45,673	46,409	42,210	33,075	19,005	0,000
MIN	*slu*	0,000	30,644	52,742	66,295	71,303	67,766	55,684	35,056	5,883	-35,818	-90,109	-90,109	-66,103	-48,322	-34,375	-23,830	-16,689	-12,951	-12,617	-15,686	-23,788	-38,163	-38,163	-12,138	6,964	20,581	30,059	35,397	36,596	33,656	26,576	15,358	0,000
MAX	*rara*	0,000	27,594	47,604	60,029	64,869	62,125	51,796	33,883	8,386	-22,041	-57,356	-57,356	-42,279	-28,375	-17,239	-9,157	-4,130	-2,157	-3,238	-7,374	-13,477	-20,722	-20,722	-4,321	10,219	21,943	29,953	34,247	34,827	31,692	24,843	14,279	0,000
MIN	*rara*	0,000	23,599	40,624	51,076	54,955	52,261	42,993	27,152	4,738	-26,904	-67,816	-67,816	-49,769	-36,221	-25,577	-17,551	-12,143	-9,353	-9,181	-11,627	-17,777	-28,459	-28,459	-8,897	5,626	16,067	23,323	27,396	28,285	25,990	20,511	11,847	0,000
MAX	*frequente*	0,000	26,447	45,613	57,499	62,102	59,425	49,467	32,227	7,707	-22,236	-57,573	-57,573	-42,421	-28,876	-18,054	-10,155	-5,179	-3,127	-3,999	-7,793	-13,751	-21,293	-21,293	-4,835	9,365	20,639	28,357	32,519	33,126	30,178	23,674	13,615	0,000
MIN	*frequente*	0,000	23,651	40,728	51,232	55,163	52,520	43,305	27,516	5,153	-25,641	-64,895	-64,895	-47,665	-34,368	-23,890	-16,030	-10,788	-8,164	-8,159	-10,771	-16,761	-26,709	-26,709	-8,038	6,150	16,525	23,716	27,724	28,547	26,186	20,642	11,913	0,000
MAX	*q.permanente*	0,000	26,065	44,950	56,655	61,180	58,525	48,690	31,675	7,480	-22,301	-57,646	-57,646	-42,469	-29,043	-18,325	-10,487	-5,529	-3,451	-4,252	-7,933	-13,842	-21,483	-21,483	-5,007	9,080	20,204	27,825	31,943	32,560	29,673	23,285	13,394	0,000
MIN	*q.permanente*	0,000	23,668	40,762	51,284	55,232	52,607	43,408	27,637	5,292	-25,220	-63,922	-63,922	-46,963	-33,751	-23,328	-15,524	-10,337	-7,768	-7,818	-10,485	-16,422	-26,126	-26,126	-7,752	6,324	16,678	23,847	27,833	28,634	26,252	20,685	11,935	0,000

TAGLIO

		A_d										B_s	B_d										C_s	C_d										D_s
		1	2	3	4	5	6	7	8	9	10	11	11	12	13	14	15	16	17	18	19	20	21		22	23	24	25	26	27	28	29	30	31
TAGLIO	L	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	9,783	10,386	10,989	11,592	12,195	12,798	13,401	14,004	14,607	15,210	15,210	15,875	16,540	17,205	17,870	18,535	19,200	19,865	20,530	21,195	21,860
	X	0,000	0,918	1,836	2,754	3,672	4,590	5,508	6,426	7,344	8,262	9,180	9,180	0,603	1,206	1,809	2,412	3,015	3,618	4,221	4,824	5,427	6,030	6,030	0,665	1,330	1,995	2,660	3,325	3,990	4,655	5,320	5,985	6,650
G1		18,859	14,269	9,679	5,089	0,499	-4,091	-8,681	-13,271	-17,861	-22,451	-27,041	18,587	15,572	12,557	9,542	6,527	3,512	0,497	-2,518	-5,533	-8,548	-11,563	19,087	15,762	12,437	9,112	5,787	2,462	-0,863	-4,188	-7,513	-10,838	-14,163
G2		10,616	8,046	5,475	2,905	0,334	-2,236	-4,806	-7,377	-9,947	-12,518	-15,088	9,000	7,674	6,347	5,020	3,694	2,367	1,041	-0,286	-1,613	-2,939	-4,266	8,255	6,792	5,329	3,866	2,403	0,940	-0,523	-1,986	-3,449	-4,912	-6,375
Q_1		4,526	3,425	2,323	1,221	0,120	-0,982	-2,083	-3,185	-4,287	-5,388	-6,490	4,461	3,737	3,014	2,290	1,567	0,843	0,119	-0,604	-1,328	-2,051	-2,775	4,581	3,783	2,985	2,187	1,389	0,591	-0,207	-1,005	-1,803	-2,601	-3,399
Q_2		4,636	3,534	2,433	1,331	0,229	-0,872	-1,974	-3,075	-4,177	-5,279	-6,380	1,644	1,644	1,644	1,644	1,644	1,644	1,644	1,644	1,644	1,644	1,644	-0,286	-0,286	-0,286	-0,286	-0,286	-0,286	-0,286	-0,286	-0,286	-0,286	-0,286
Q_3		-0,188	-0,188	-0,188	-0,188	-0,188	-0,188	-0,188	-0,188	-0,188	-0,188	-0,188	3,543	2,819	2,096	1,372	0,649	-0,075	-0,799	-1,522	-2,246	-2,969	-3,693	0,328	0,328	0,328	0,328	0,328	0,328	0,328	0,328	0,328	0,328	0,328
Q_4		0,079	0,079	0,079	0,079	0,079	0,079	0,079	0,079	0,079	0,079	0,079	-0,725	-0,725	-0,725	-0,725	-0,725	-0,725	-0,725	-0,725	-0,725	-0,725	-0,725	4,539	3,741	2,943	2,145	1,347	0,549	-0,249	-1,047	-1,845	-2,643	-3,441
Q_5		4,447	3,346	2,244	1,143	0,041	-1,061	-2,162	-3,264	-4,365	-5,467	-6,569	5,186	4,463	3,739	3,016	2,292	1,568	0,845	0,121	-0,602	-1,326	-2,050	0,042	0,042	0,042	0,042	0,042	0,042	0,042	0,042	0,042	0,042	0,042
Q_6		-0,110	-0,110	-0,110	-0,110	-0,110	-0,110	-0,110	-0,110	-0,110	-0,110	-0,110	2,817	2,094	1,370	0,647	-0,077	-0,801	-1,524	-2,248	-2,971	-3,695	-4,419	4,867	4,069	3,271	2,473	1,675	0,877	0,079	-0,719	-1,517	-2,315	-3,113
Q_7		4,715	3,613	2,511	1,410	0,308	-0,793	-1,895	-2,997	-4,098	-5,200	-6,301	0,918	0,918	0,918	0,918	0,918	0,918	0,918	0,918	0,918	0,918	0,918	4,253	3,455	2,657	1,859	1,061	0,263	-0,535	-1,333	-2,131	-2,929	-3,727
inv	*slu*	40,44	31,81	23,18	14,55	5,92	-2,71	-11,33	-19,96	-28,59	-37,22	-45,85	49,60	32,54	27,41	22,29	17,16	12,04	7,82	4,68	-5,38	-9,60	-13,82	45,04	31,54	25,89	20,24	14,59	8,93	4,56	-2,37	-8,02	-13,68	-19,33



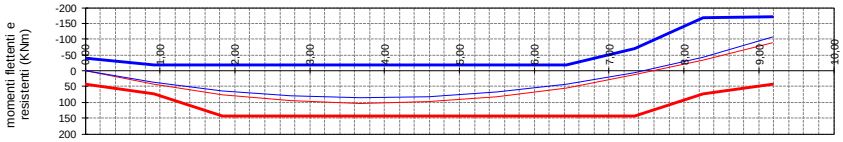
SECONDO SOLAIO - 3 campate1 **prima campata**

Rck	Ec	fcd	fctd	Acciaio	fyd	Bsup	Binf	Sp_ala	h	c	d
MPa	(MPa)	MPa		tipo	MPa	cm			cm	cm	cm
30	31220	14,11	1,14	Feb44k	391	120	40	6	36	4	32

Luce di calcolo (m) 9,18

Verifica agli stati limite ultimi

Inviluppo Momento max				Coeff. di redistribuzione delta= 1,00				psi-max			
	0,00	43,96	75,85	95,67	103,41	99,07	82,67	54,18	13,63	-34,23	-89,30
Inviluppo Momento min				Coeff. di redistribuzione delta=		1,00		psi-max			
	0,00	36,77	63,29	79,55	85,56	81,32	66,82	42,07	7,06	-42,98	-108,13
As,sup,app	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	3,82	9,60
As,inf,app	0,00	3,90	6,74	8,50	9,18	8,80	7,34	4,81	1,21	0,00	0,00
X	**0,00**	**0,92**	**1,84**	**2,75**	**3,67**	**4,59**	**5,51**	**6,43**	**7,34**	**8,26**	**9,18**
Armatura (cmq)											
ϕ6		5	5	5	5	5	5	5			
ϕ12	3										
ϕ16									3	3	3
ϕ20										3	3
As,sup	3,39	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	15,46	15,46
As,inf	3,39	6,03	12,32	12,32	12,32	12,32	12,32	12,32	12,32	6,03	3,39
ϕ12	3										3
ϕ16		3	3	3	3	3	3	3	3	3	
ϕ20			2	2	2	2	2	2	2		
ϕ5		0	0	0	0	0	0	0	0	0	0
Momenti positivi											
b	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00
psi	0,09	0,11	0,16	0,16	0,16	0,16	0,16	0,16	0,15	0,12	0,10
M+res	42,04	72,73	144,79	144,79	144,79	144,79	144,79	144,79	144,54	73,31	43,30
Momenti negativi											
b	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	**60,00**
psi	0,14	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,15	0,30	0,26
M-res	-40,10	-17,69	-17,86	-17,86	-17,86	-17,86	-17,86	-17,86	-69,29	-169,41	-172,02



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		v = 0,42		vbd = 53,56		
Vsd	48,53	38,17	27,82	17,46	7,11	-3,25	-13,60	-23,96	-34,31	-44,67	-55,02
ρ_1	0,0027	0,0047	0,0096	0,0096	0,0096	0,0096	0,0096	0,0096	0,0096	0,0047	0,0027
Bmin	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 0,50 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	3,39	6,03	12,32	12,32	12,32	12,32	12,32	12,32	12,32	15,46	15,46
A's (cmq)	3,39	1,41	1,41	1,41	1,41	1,41	1,41	1,41	6,03	6,03	3,39
b resistente	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00	**60,00**
Y	7,36	6,18	8,43	8,43	8,43	8,43	8,43	8,43	8,19	13,25	11,91
Wc	4999	11308	15071	15071	15071	15071	15071	15071	15672	9078	10961
Ws	1493	2705	5388	5388	5388	5388	5388	5388	5387	6414	6498
N. barre	3	3	5	5	5	5	5	5	5	6	6
dist. barre	16,00	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,80	6,40	10,40
Beff (cm)	40	42	75	75	75	75	75	75	75	40	60
Deff (cm)	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	11,38	12,05
Aeff	496,00	515,84	932,48	932,48	932,48	932,48	932,48	932,48	932,48	455,02	722,70
RO,r	0,68%	1,17%	1,32%	1,32%	1,32%	1,32%	1,32%	1,32%	1,32%	3,40%	2,14%

Combinazioni di carico

Rara	0,00	33,11	57,12	72,03	77,84	74,55	62,16	40,66	10,06	-32,29	-81,38
Frequente	0,00	31,74	54,74	69,00	74,52	71,31	59,36	38,67	9,25	-30,77	-77,87
Quasi perm.	0,00	31,28	53,94	67,99	73,42	70,23	58,43	38,01	8,98	-30,26	-76,71

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-0,01	-2,93	-3,79	-4,78	-5,17	-4,95	-4,12	-2,70	-0,64	-3,56	-7,42
Sigma,S	0,01	183,59	159,04	200,56	216,73	207,56	173,05	113,20	28,02	75,51	187,85
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-0,01	-2,77	-3,58	-4,51	-4,87	-4,66	-3,88	-2,52	-0,57	-3,33	-7,00

Verifica allo stato limite di apertura fessure

Srm (mm)	187,71	152,91	147,03	147,03	147,03	147,03	147,03	147,03	147,03	98,46	116,85
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	0,10	175,96	152,40	192,10	207,48	198,54	165,27	107,67	25,75	71,96	179,76
Eps,sm	0,000%	0,034%	0,041%	0,067%	0,077%	0,071%	0,050%	0,021%	0,005%	0,026%	0,081%
Wk (mm)	0,000	0,089	0,103	0,168	0,192	0,178	0,125	0,052	0,012	0,043	0,161
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	0,10	173,41	150,18	189,29	204,40	195,53	162,67	105,83	24,99	70,78	177,06
Eps,sm	0,000%	0,034%	0,040%	0,066%	0,075%	0,070%	0,048%	0,021%	0,005%	0,025%	0,080%
Wk (mm)	0,000	0,088	0,100	0,164	0,187	0,174	0,121	0,051	0,012	0,042	0,158

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

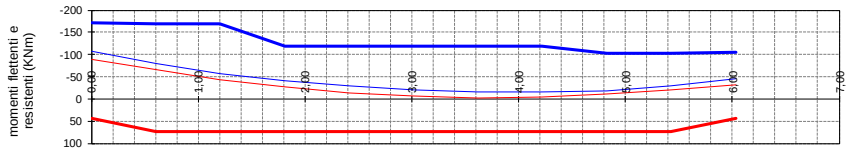
EpsCm	0,000%	-0,009%	-0,011%	-0,014%	-0,016%	-0,015%	-0,012%	-0,008%	-0,002%	-0,011%	-0,022%
EpsSm	0,000%	0,083%	0,072%	0,091%	0,098%	0,094%	0,078%	0,050%	0,005%	0,032%	0,085%
freccia	0,000	0,977	1,777	2,339	2,631	2,633	2,357	1,852	1,207	0,543	0,000
freccia massima:		2,63 cm			pari a L/	349					
verifica sommaria:		Rapporto di snellezza effettivo l/h =				25,50	<	26,00	Rapporto limite		

SECONDO SOLAIO - 3 campate1 **seconda campata**

Luce di calcolo (m) 6,03

Verifica agli stati limite ultimi

Inviluppo Momento max				Coeff. di redistribuzione delta= 1,00				psi-max			
	-89,30	-65,84	-43,86	-26,24	-13,49	-5,60	-2,59	-4,44	-11,17	-20,81	-31,87
Inviluppo Momento min				Coeff. di redistribuzione delta=		1,00		psi-max			
	-108,13	-79,32	-57,99	-41,25	-28,60	-20,03	-15,54	-15,14	-18,82	-28,55	-45,80
As,sup,app	9,60	7,04	5,15	3,66	2,54	1,78	1,38	1,34	1,67	2,53	4,07
As,inf,app	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
X	**0,00**	**0,60**	**1,21**	**1,81**	**2,41**	**3,02**	**3,62**	**4,22**	**4,82**	**5,43**	**6,03**
Armatura (cmq)											
ϕ6	0			5	5	5	5	5			
ϕ12	0										
ϕ16	3	3	3	3	3	3	3	3	3	3	3
ϕ20	3	3	3	1	1	1	1	1	1	1	1
As,sup	15,46	15,46	15,46	10,59	10,59	10,59	10,59	10,59	9,17	9,17	9,17
As,inf	3,39	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	3,39
ϕ12	3										3
ϕ16	0	3	3	3	3	3	3	3	3	3	
ϕ20	0										
ϕ5	0										
Momenti positivi											
b	120	120	120	120	120	120	120	120	120	120	120
psi	0,10	0,12	0,12	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,10
M+res	43,30	73,31	73,31	73,18	73,18	73,18	73,18	73,18	73,13	73,13	42,81
Momenti negativi											
b	**60**	40	40	40	40	40	40	40	40	40	**60**
psi	0,26	0,30	0,30	0,22	0,22	0,22	0,22	0,22	0,20	0,20	0,19
M-res	-172,02	-169,41	-169,41	-118,95	-118,95	-118,95	-118,95	-118,95	-103,75	-103,75	-105,63



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		V = 0,42		vbd = 53,56		
Vsd	59,52	39,05	32,90	26,75	20,59	14,44	9,38	5,62	-6,45	-11,52	-16,58
ρ_1	0,0027	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0047	0,0027
Bmin	44,45	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 1,00 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	15,46	15,46	15,46	10,59	10,59	10,59	10,59	10,59	9,17	9,17	9,17
A's (cmq)	3,39	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	6,03	3,39
b resistente	**60,00**	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	**60,00**
Y	11,91	13,25	13,25	11,40	11,40	11,40	11,40	11,40	10,75	10,75	9,64
Wc	10961	9078	9078	8076	8076	8076	8076	8076	7702	7702	9161
Ws	6498	6414	6414	4472	4472	4472	4472	4472	3898	3898	3951
N. barre	6	6	6	9	9	9	9	9	4	4	4
dist. barre	10,40	6,40	6,40	4,00	4,00	4,00	4,00	4,00	10,67	10,67	16,80
Beff (cm)	60	40	40	40	40	40	40	40	40	40	58
Deff (cm)	12,05	11,38	11,38	12,30	12,30	12,30	12,30	12,30	12,40	12,40	12,40
Aeff	722,70	455,02	455,02	491,92	491,92	491,92	491,92	491,92	496,00	496,00	724,16
RO,r	2,14%	3,40%	3,40%	2,15%	2,15%	2,15%	2,15%	2,15%	1,85%	1,85%	1,27%

Combinazioni di carico

Rara	-81,38	-59,72	-43,47	-30,69	-21,06	-14,57	-11,22	-11,02	-13,95	-21,33	-34,15
Frequente	-77,87	-57,20	-41,24	-28,67	-19,24	-12,95	-9,80	-9,79	-12,92	-20,11	-32,05
Quasi perm.	-76,71	-56,36	-40,50	-27,99	-18,63	-12,40	-9,32	-9,38	-12,58	-19,71	-31,35

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-7,42	-6,58	-4,79	-3,80	-2,61	-1,80	-1,39	-1,36	-1,81	-2,77	-3,73
Sigma,S	187,85	139,67	101,65	102,96	70,65	48,88	37,65	36,96	53,69	82,09	129,66
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-7,00	-6,21	-4,46	-3,47	-2,31	-1,54	-1,15	-1,16	-1,63	-2,56	-3,42

Verifica allo stato limite di apertura fessure

Srm (mm)	116,85	98,46	98,46	103,88	103,88	103,88	103,88	103,88	121,77	121,77	148,96
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	179,76	133,77	96,45	96,17	64,53	43,43	32,86	32,84	49,73	77,40	121,68
Eps,sm	0,075%	0,055%	0,033%	0,022%	0,013%	0,008%	0,006%	0,006%	0,010%	0,015%	0,024%
Wk (mm)	0,149	0,092	0,056	0,039	0,022	0,015	0,011	0,011	0,020	0,031	0,060
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	177,06	131,80	94,72	93,90	62,49	41,61	31,27	31,47	48,42	75,83	119,03
Eps,sm	0,073%	0,054%	0,032%	0,021%	0,012%	0,008%	0,006%	0,006%	0,009%	0,015%	0,023%
Wk (mm)	0,146	0,091	0,054	0,036	0,021	0,014	0,011	0,011	0,019	0,030	0,059

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	-0,022%	-0,020%	-0,014%	-0,011%	-0,007%	-0,005%	-0,004%	-0,004%	-0,005%	-0,008%	-0,011%
EpsSm	0,084%	0,061%	0,042%	0,042%	0,025%	0,011%	0,004%	0,004%	0,016%	0,032%	0,055%
freccia	0,000	-0,228	-0,365	-0,431	-0,442	-0,415	-0,368	-0,310	-0,239	-0,143	0,000

freccia massima: 0,00 cm pari a L/ infinito

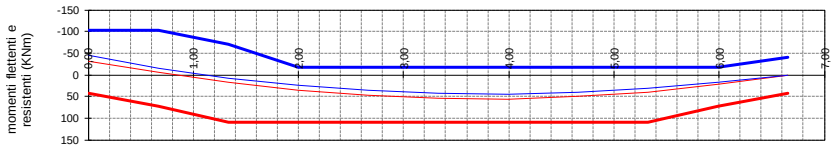
verifica sommaria: Rapporto di snellezza effettivo l/h = 16,75 < 26,00 Rapporto limite

SECONDO SOLAIO - 3 campate1 **terza campata**

Luce di calcolo (m) 6,65

Verifica agli stati limite ultimi

Inviluppo Momento max					Coeff. di redistribuzione delta= 1,00				psi-max		
	-31,87	-6,33	16,63	35,28	48,00	54,81	55,69	50,65	39,69	22,81	0,00
Inviluppo Momento min					Coeff. di redistribuzione delta=	1,00			psi-max		
	-45,80	-14,57	8,36	24,70	36,07	42,48	43,92	40,39	31,89	18,43	0,00
As,sup,app	4,07	1,29	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
As,inf,app	0,00	0,00	1,48	3,13	4,26	4,87	4,95	4,50	3,52	2,03	0,00
X	**0,00**	**0,67**	**1,33**	**2,00**	**2,66**	**3,33**	**3,99**	**4,66**	**5,32**	**5,99**	**6,65**
Armatura (cmq)											
ϕ6	0			5	5	5	5	5	5	5	
ϕ12	0										3
ϕ16	3	3	3								
ϕ20	1	1									
As,sup	9,17	9,17	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	3,39
As,inf	3,39	6,03	9,17	9,17	9,17	9,17	9,17	9,17	9,17	6,03	3,39
ϕ12	3										3
ϕ16	0	3	3	3	3	3	3	3	3	3	
ϕ20	0		1	1	1	1	1	1	1		
ϕ5	0										
Momenti positivi											
b	120	120	120	120	120	120	120	120	120	120	120
psi	0,10	0,11	0,13	0,13	0,13	0,13	0,13	0,13	0,13	0,11	0,09
M+res	42,81	73,13	109,00	109,12	109,12	109,12	109,12	109,12	109,12	72,73	42,04
Momenti negativi											
b	40	40	40	40	40	40	40	40	40	40	40
psi	0,23	0,20	0,16	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,14
M-res	-103,36	-103,75	-69,37	-17,79	-17,79	-17,79	-17,79	-17,79	-17,79	-17,69	-40,10



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,79		v = 0,42		vbd = 53,56		
Vsd	54,04	37,85	31,07	24,29	17,50	10,72	5,47	-2,85	-9,63	-16,41	-23,19
ρ_1	0,0027	0,0047	0,0072	0,0072	0,0072	0,0072	0,0072	0,0072	0,0072	0,0047	0,0027
Bmin	41,90	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 12 copr.netto 3,40

Beta,2 1,00 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	9,17	9,17	9,17	9,17	9,17	9,17	9,17	9,17	9,17	6,03	3,39
A's (cmq)	3,39	6,03	6,03	1,41	1,41	1,41	1,41	1,41	1,41	1,41	3,39
b resistente	**60,00**	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00
Y	9,64	10,75	7,21	7,43	7,43	7,43	7,43	7,43	7,43	6,18	7,36
Wc	9161	7702	13934	13429	13429	13429	13429	13429	13429	11308	4999
Ws	3951	3898	4054	4058	4058	4058	4058	4058	4058	2705	1493
N. barre	4	4	4	4	4	4	4	4	4	3	3
dist. barre	16,80	10,67	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,80	16,00
Beff (cm)	58	40	58	58	58	58	58	58	58	42	40
Deff (cm)	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40	12,40
Aeff	724,16	496,00	724,16	724,16	724,16	724,16	724,16	724,16	724,16	515,84	496,00
RO,r	1,27%	1,85%	1,27%	1,27%	1,27%	1,27%	1,27%	1,27%	1,27%	1,17%	0,68%

Combinazioni di carico

Rara	-34,15	-10,68	12,26	26,33	35,94	41,10	41,79	38,03	29,81	17,13	0,00
Frequente	-32,05	-9,65	11,24	24,77	34,03	39,02	39,75	36,21	28,41	16,34	0,00
Quasi perm.	-31,35	-9,30	10,90	24,24	33,39	38,33	39,07	35,61	27,94	16,07	0,00

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.80*fyk =		360 MPa	
Sigma,C	-3,73	-1,39	-0,88	-1,96	-2,68	-3,06	-3,11	-2,83	-2,22	-1,52	-0,01
Sigma,S	129,66	41,08	45,38	97,33	132,86	151,91	154,48	140,57	110,19	95,00	0,01
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-3,42	-1,21	-0,78	-1,81	-2,49	-2,85	-2,91	-2,65	-2,08	-1,42	-0,01

Verifica allo stato limite di apertura fessure

Srm (mm)	148,96	121,77	148,96	148,96	148,96	148,96	148,96	148,96	148,96	152,91	187,71
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	121,68	37,12	41,58	91,54	125,78	144,24	146,93	133,86	105,01	90,58	0,10
Eps,sm	0,024%	0,007%	0,008%	0,018%	0,024%	0,028%	0,029%	0,026%	0,020%	0,018%	0,000%
Wk (mm)	0,060	0,015	0,020	0,045	0,062	0,071	0,072	0,066	0,052	0,046	0,000
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	119,03	35,80	40,32	89,61	123,42	141,69	144,42	131,62	103,28	89,11	0,10
Eps,sm	0,023%	0,007%	0,008%	0,017%	0,024%	0,028%	0,028%	0,026%	0,020%	0,017%	0,000%
Wk (mm)	0,059	0,014	0,020	0,044	0,061	0,070	0,071	0,065	0,051	0,045	0,000

Verifica allo stato limite di deformazione

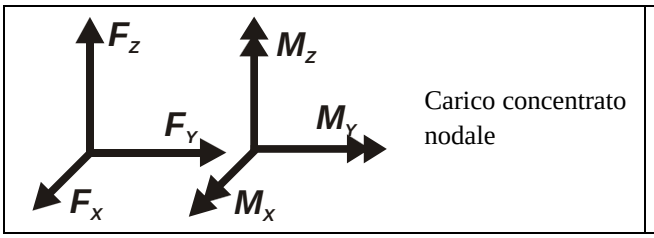
Verifica esatta: combinazione quasi permamente

EpsCm	-0,011%	-0,004%	-0,003%	-0,006%	-0,008%	-0,009%	-0,009%	-0,008%	-0,007%	-0,005%	0,000%
EpsSm	0,055%	0,007%	0,011%	0,039%	0,057%	0,066%	0,068%	0,061%	0,047%	0,039%	0,000%
freccia	0,000	0,226	0,478	0,709	0,881	0,967	0,952	0,834	0,623	0,336	0,000
freccia massima:		0,97 cm			pari a L/	687					
verifica sommaria:		Rapporto di snellezza effettivo l/h =				18,47	<	26,00 Rapporto limite			

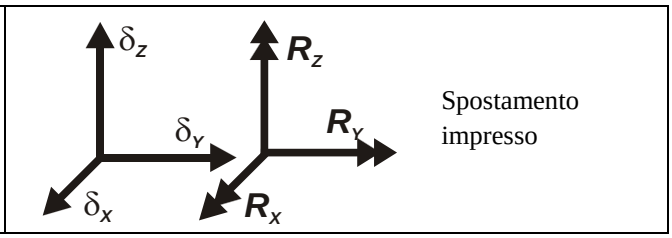
MODELLAZIONE DELLE AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

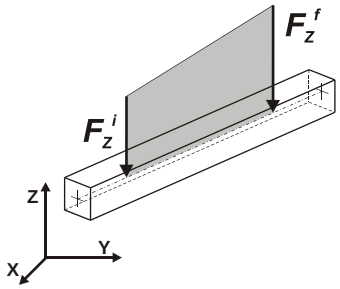
1	**carico concentrato nodale** 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	**variazione termica applicata ad elemento tipo trave** 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	**carico di pressione uniforme su elemento tipo piastra** 1 dato (pressione)
9	**carico di pressione variabile su elemento tipo piastra** 4 dati (pressione, quota, pressione, quota)
10	**variazione termica applicata ad elemento tipo piastra** 2 dati (variazioni termiche: media e differenza nello spessore)
11	**carico variabile generale su elementi tipo trave e piastra** 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	**gruppo di carichi con impronta su piastra** 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi



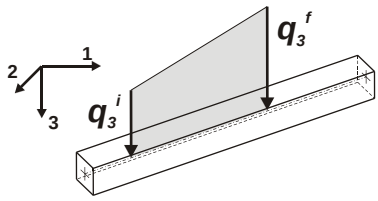
Carico concentrato nodale



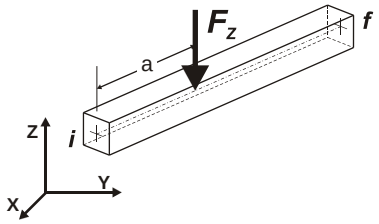
Spostamento impresso



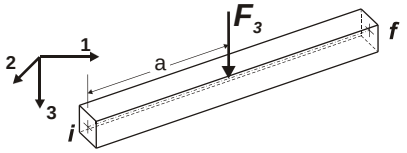
Carico distribuito globale



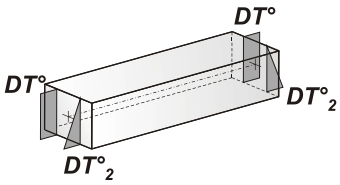
Carico distribuito locale



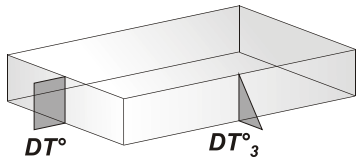
Carico concentrato globale



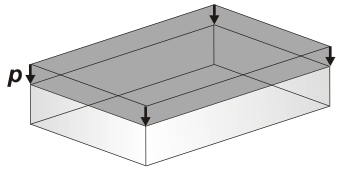
Carico concentrato locale



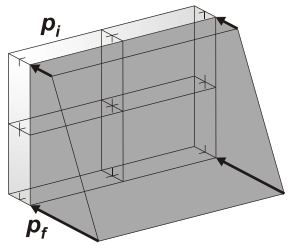
Carico termico 2D



Carico termico 3D

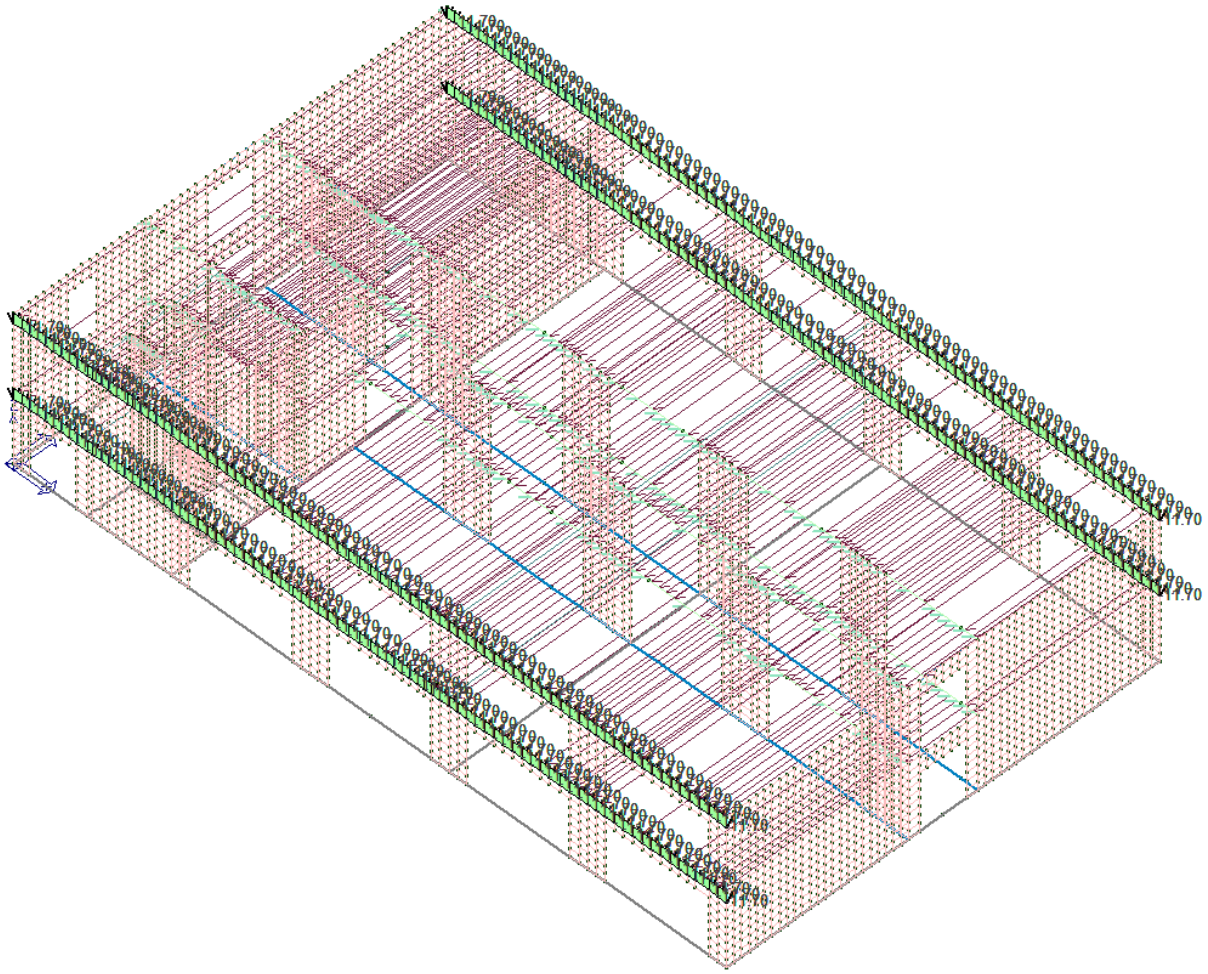


Carico pressione uniforme

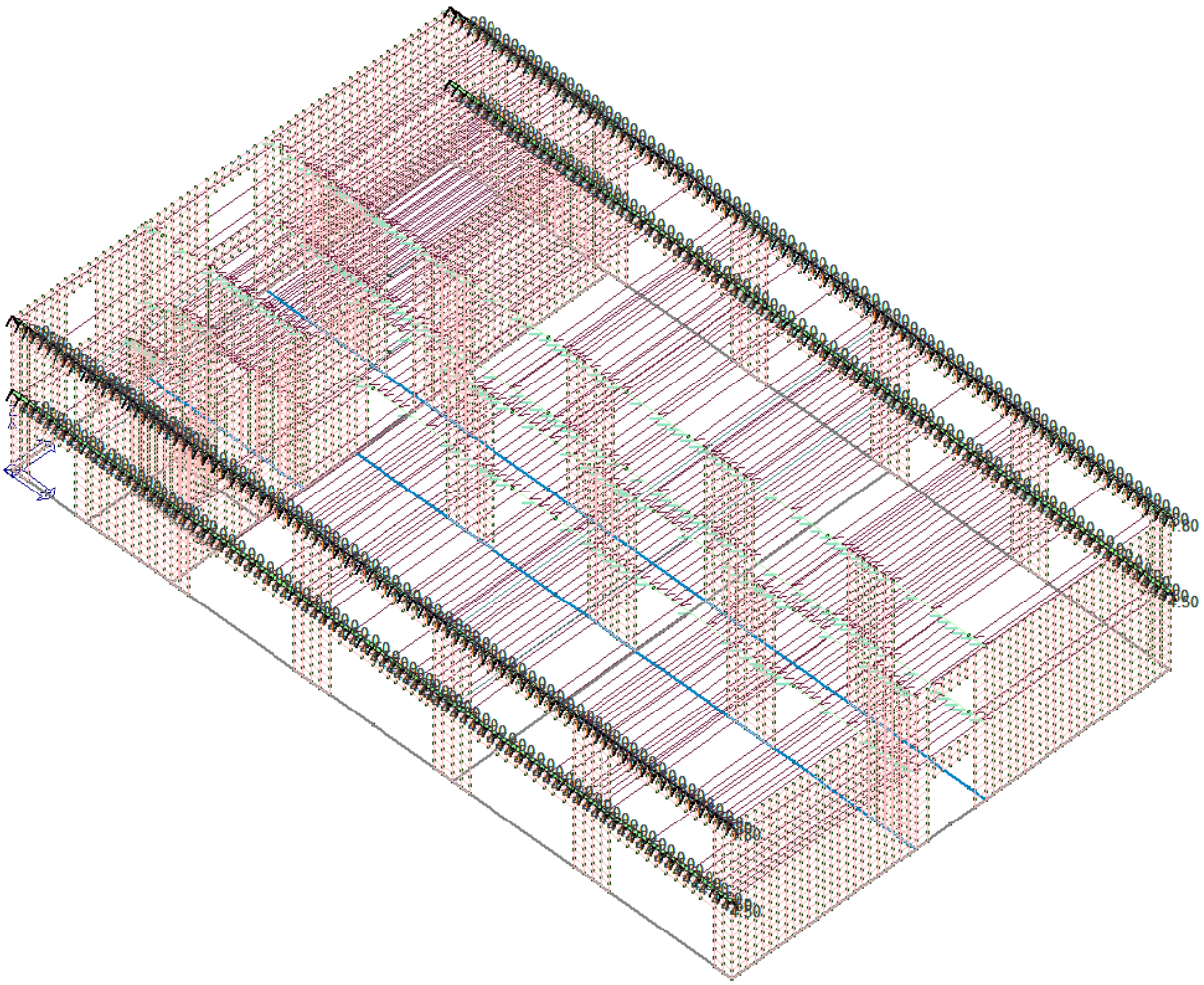


Carico pressione variabile

Tipo	carico distribuito globale su trave							
Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		cm	daN/cm	daN/cm	daN/cm	daN	daN	daN
1	DG:Fzi=-11.70 Fzf=-11.70	0.0	0.0	0.0	-11.70	0.0	0.0	0.0
		0.0	0.0	0.0	-11.70	0.0	0.0	0.0
2	DG:Fzi=4.50 Fzf=4.50	0.0	0.0	0.0	4.50	0.0	0.0	0.0
		0.0	0.0	0.0	4.50	0.0	0.0	0.0
3	DG:Fzi=1.80 Fzf=1.80	0.0	0.0	0.0	1.80	0.0	0.0	0.0
		0.0	0.0	0.0	1.80	0.0	0.0	0.0



Permanente sbalzo solai
G = 11.70 kN/m



Accidentale sbalzo solai
Q = 4.50 kN/m di piano
Q = 1.80 kN/m di copertura

SCHEMATIZZAZIONE DEI CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.
Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	*Tipo*	*Descrizione*
1	**Ggk**	A	caso di carico comprensivo del peso proprio struttura
2	**Gk**	NA	caso di carico con azioni permanenti
3	**Qk**	NA	caso di carico con azioni variabili
4	**Gsk**	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	**Qsk**	A	caso di carico comprensivo dei carichi variabili sui solai
6	**Qnk**	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	**Qtk**	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	**Qvk**	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	**Esk**	SA	caso di carico sismico con analisi statica equivalente
10	**Edk**	SA	caso di carico sismico con analisi dinamica
11	**Etk**	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	**Pk**	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.
Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.
Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.
Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).
In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Qsk	CDC=Qsk (variabile solai)	
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qsk (variabile solai)
			partecipazione:1.00 per 13 CDC=G1k (permanente generico) .....
			partecipazione:0.80 per 14 CDC=Qk (variabile generico) .....
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico

CDC	Tipo	Sigla Id	Note
13	Gk	CDC=G1k (permanente generico)	D2 : 466 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 477 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 698 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 700 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 714 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 716 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 728 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 730 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 738 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 740 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 755 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 770 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 772 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 782 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 790 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 792 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 810 a 811 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 814 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 820 a 821 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 824 a 825 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 835 a 836 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 839 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 845 a 846 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 849 a 850 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 854 a 855 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 862 a 863 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 : 866 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 871 a 872 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 875 a 876 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 878 a 879 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 886 a 887 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 893 a 894 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 897 a 898 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 900 a 901 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 908 a 909 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 914 a 915 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 917 a 918 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 920 a 921 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 926 a 927 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 932 a 935 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 939 a 940 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 945 a 948 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 952 a 953 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 957 a 960 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 967 a 1055 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 1067 a 1144 Azione : DG:Fzi=-11.70 Fzf=-11.70
			D2 :da 1153 a 1228 Azione : DG:Fzi=-11.70 Fzf=-11.70
14	Qk	CDC=Qk (variabile generico)	D2 : 466 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 477 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 698 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 700 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 714 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 716 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 728 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 730 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 738 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 740 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 755 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 770 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 772 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 782 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 790 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 792 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 810 a 811 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 814 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 820 a 821 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 824 a 825 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 835 a 836 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 : 839 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 845 a 846 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 849 a 850 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 854 a 855 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 862 a 863 Azione : DG:Fzi=1.80 Fzf=1.80

CDC	Tipo	Sigla Id	Note
			D2 : 866 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 871 a 872 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 875 a 876 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 878 a 879 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 886 a 887 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 893 a 894 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 897 a 898 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 900 a 901 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 908 a 909 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 914 a 915 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 917 a 918 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 920 a 921 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 926 a 927 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 932 a 935 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 939 a 940 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 945 a 948 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 952 a 953 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 957 a 960 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 967 a 968 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 969 a 1055 Azione : DG:Fzi=4.50 Fzf=4.50
			D2 :da 1067 a 1071 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 1072 a 1106 Azione : DG:Fzi=4.50 Fzf=4.50
			D2 :da 1107 a 1144 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 1153 a 1182 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 1183 a 1212 Azione : DG:Fzi=4.50 Fzf=4.50
			D2 :da 1213 a 1217 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 1218 a 1222 Azione : DG:Fzi=4.50 Fzf=4.50
			D2 :da 1223 a 1225 Azione : DG:Fzi=1.80 Fzf=1.80
			D2 :da 1226 a 1228 Azione : DG:Fzi=4.50 Fzf=4.50

DEFINIZIONE DELLE COMBINAZIONI

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.
Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.
La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.
Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:
***Combinazione fondamentale** SLU*

$$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$$

***Combinazione caratteristica** (rara) SLE*

$$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$$

***Combinazione frequente** SLE*

$$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$$

***Combinazione quasi permanente** SLE*

$$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$$

***Combinazione sismica**, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E*

$$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$$

***Combinazione eccezionale**, impiegata per gli stati limite connessi alle azioni eccezionali*

$$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
Categoria A residenziali	*0,70*	*0,50*	*0,30*

Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,…	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*0,60*	*0,50*	*0,00*

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:
- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),
- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli* *Sfavorevoli*	$\gamma G1$	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*
Carichi permanenti non strutturali (Non compiutamente definiti)	*Favorevoli* *Sfavorevoli*	$\gamma G2$	*0,8* *1,5*	*0,8* *1,5*	*0,8* *1,3*
Carichi variabili	*Favorevoli* *Sfavorevoli*	γQi	*0,0* *1,5*	*0,0* *1,5*	*0,0* *1,3*

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 (SLV sism.) 13	
14	SLU	Comb. SLU A1 (SLV sism.) 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	

Cmb	Tipo	Sigla Id	effetto P-delta
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLU(acc.)	Comb. SLU (Accid.) 77	
78	SLU(acc.)	Comb. SLU (Accid.) 78	
79	SLU(acc.)	Comb. SLU (Accid.) 79	
80	SLU(acc.)	Comb. SLU (Accid.) 80	
81	SLE(r)	Comb. SLE(rara) 81	
82	SLE(r)	Comb. SLE(rara) 82	
83	SLE(r)	Comb. SLE(rara) 83	
84	SLE(r)	Comb. SLE(rara) 84	
85	SLE(r)	Comb. SLE(rara) 85	
86	SLE(r)	Comb. SLE(rara) 86	
87	SLE(f)	Comb. SLE(freq.) 87	
88	SLE(f)	Comb. SLE(freq.) 88	
89	SLE(f)	Comb. SLE(freq.) 89	
90	SLE(f)	Comb. SLE(freq.) 90	
91	SLE(f)	Comb. SLE(freq.) 91	
92	SLE(f)	Comb. SLE(freq.) 92	
93	SLE(f)	Comb. SLE(freq.) 93	
94	SLE(p)	Comb. SLE(perm.) 94	
95	SLE(p)	Comb. SLE(perm.) 95	
96	SLE(p)	Comb. SLE(perm.) 96	
97	SLE(p)	Comb. SLE(perm.) 97	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0
2	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50
3	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0
4	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50
5	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
6	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50
7	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
8	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50
9	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
10	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50
11	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
12	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50
13	1.00	1.00	1.00	0.30	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
14	1.00	1.00	1.00	0.30	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
15	1.00	1.00	1.00	0.30	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
16	1.00	1.00	1.00	0.30	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
17	1.00	1.00	1.00	0.30	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
18	1.00	1.00	1.00	0.30	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
19	1.00	1.00	1.00	0.30	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
20	1.00	1.00	1.00	0.30	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
21	1.00	1.00	1.00	0.30	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
22	1.00	1.00	1.00	0.30	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
23	1.00	1.00	1.00	0.30	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
24	1.00	1.00	1.00	0.30	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
25	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
26	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
27	1.00	1.00	1.00	0.30	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
28	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
29	1.00	1.00	1.00	0.30	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
30	1.00	1.00	1.00	0.30	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
31	1.00	1.00	1.00	0.30	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
32	1.00	1.00	1.00	0.30	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
33	1.00	1.00	1.00	0.30	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
34	1.00	1.00	1.00	0.30	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
35	1.00	1.00	1.00	0.30	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
36	1.00	1.00	1.00	0.30	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
37	1.00	1.00	1.00	0.30	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
38	1.00	1.00	1.00	0.30	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
39	1.00	1.00	1.00	0.30	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
40	1.00	1.00	1.00	0.30	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
41	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
42	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
43	1.00	1.00	1.00	0.30	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
44	1.00	1.00	1.00	0.30	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
45	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00	0.80
46	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00	0.80
47	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00	0.80
48	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00	0.80
49	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	1.00	0.80
50	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	1.00	0.80
51	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	1.00	0.80
52	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	1.00	0.80
53	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	1.00	0.80
54	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	1.00	0.80
55	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	1.00	0.80
56	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	1.00	0.80
57	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	1.00	0.80
58	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	1.00	0.80
59	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	1.00	0.80
60	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	1.00	0.80
61	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00	0.80
62	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00	0.80
63	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00	0.80
64	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00	0.80
65	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	1.00	0.80
66	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	1.00	0.80
67	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	1.00	0.80
68	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	1.00	0.80
69	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	1.00	0.80
70	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	1.00	0.80
71	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	1.00	0.80
72	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	1.00	0.80
73	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	1.00	0.80
74	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	1.00	0.80
75	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	1.00	0.80
76	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	1.00	0.80
77	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
78	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80
79	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
80	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80
81	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
82	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
83	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
84	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
85	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
86	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
87	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
88	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80
89	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
90	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80
91	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90
92	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
93	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90
94	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
95	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80
96	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
97	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80

AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.
Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).
L'azione sismica viene definita in relazione ad un periodo di riferimento Vr che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):
ag: accelerazione orizzontale massima del terreno;
Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
III	100.0	1.5	150	B	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:
S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

			Km		
Loc.	12.207	45.719			
11637	12.204	45.678	4.566		
11638	12.275	45.679	6.922		
11416	12.274	45.729	5.334		
11415	12.203	45.728	1.017		
SL	**Pver**	**Tr**	**ag**	**Fo**	**T*c**
		Anni	g		sec

SLO	81.0	90.0	0.079	2.440	0.280		
SLD	63.0	151.0	0.101	2.430	0.290		
SLV	10.0	1424.0	0.259	2.490	0.350		
SLC	5.0	2475.0	0.322	2.490	0.360		
SL	**ag**	**S**	**Fo**	**Fv**	**Tb**	**Tc**	**Td**
	g				sec	sec	sec
SLO	0.079	1.200	2.440	0.926	0.132	0.397	1.916
SLD	0.101	1.200	2.430	1.043	0.136	0.409	2.004
SLV	0.259	1.142	2.490	1.712	0.158	0.475	2.637
SLC	0.322	1.079	2.490	1.909	0.162	0.486	2.890

RISULTATI ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.
Sono previsti, infatti, i seguenti casi di carico:

9. Esk caso di carico sismico con analisi statica equivalente
10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).
Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l' azione sismica: in particolare possono essere presenti i seguenti valori:

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell' ordinata dello spettro in uso nel tratto costante
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

a) **analisi sismica statica equivalente**:
   - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
   - azione sismica complessiva

b) **analisi sismica dinamica con spettro di risposta**:
- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo) **,** indici di regolarità e/r secondo EC8 4.2.3.2
- frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
- massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).
Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione etaT, etaP e etaD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità 1000*etaT/h da confrontare direttamente con il valore 2 o 4 per la verifica.
Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare 619/2009 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elestomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:
1) V > 0
2) Sig s < fyk
3) Gam t < 5
4) Gam s < Gam * (caratteristica dell' elastomero)
5) Gam s < 2
6) V < 0.5 Vcr

La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B").

Parametri fattore in direzione x e y

Sistema costruttivo: calcestruzzo
Tipologia strutturale: strutture a pareti non accoppiate
Valore base fattore q_0 = 3.000
Fattore pareti k_w = 1.000
Fattore di regolarità K_R = 1.0
Fattore dissipativo $q_D = q_0 \cdot k_w \cdot K_R$ = 3.000

Fattori di comportamento utilizzati

	Dissipativi
q SLU x	3.000
q SLU y	3.000
q SLU z	1.500

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.142
			ordinata spettro (tratto Tb-Tc) = 0.246 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.206 sec.
			fattore q: 3.000
			fattore per spost. mu d: 5.608
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
760.00	7.480e+05	1780.86	1087.25	0.0	-109.30	1715.91	1092.49	1.311	0.023	0.004
717.78	4.474e+04	1602.59	1052.81	0.0	-109.30	1715.76	1198.60	2.020	0.050	0.084
675.56	3.762e+04	1545.95	1046.25	0.0	-109.30	1804.81	1095.84	2.087	0.116	0.028
633.33	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
591.11	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
548.89	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
506.67	3.092e+04	1448.38	1052.25	0.0	-109.30	1804.80	1198.60	1.959	0.157	0.086
464.44	3.134e+04	1434.27	1067.46	0.0	-109.30	1804.80	1198.60	1.959	0.164	0.077
422.22	3.134e+04	1434.27	1067.46	0.0	-109.30	1804.80	1400.80	2.097	0.171	0.190
380.00	8.890e+05	1813.80	1109.37	0.0	-109.30	1715.91	1092.49	1.311	0.035	0.012
337.78	4.474e+04	1602.59	1052.81	0.0	-109.30	1804.80	1198.60	1.959	0.089	0.086
295.56	3.762e+04	1545.95	1046.25	0.0	-109.30	1804.81	1095.84	2.087	0.116	0.028
253.33	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
211.11	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
168.89	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
126.67	3.092e+04	1448.38	1052.25	0.0	-109.30	1804.80	1198.60	1.959	0.157	0.086
84.44	3.134e+04	1434.27	1067.46	0.0	-109.30	1804.80	1198.60	1.959	0.164	0.077
42.22	3.134e+04	1434.27	1067.46	0.0	-109.30	1804.80	1198.60	1.959	0.164	0.077
Risulta	2.172e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	3.950	0.253	0.246	1972.79	9.08e-02	1.863e+06	85.8	165.85	7.64e-03	0.0	0.0
2	4.850	0.206	0.246	1.953e+06	89.9	2.177e+04	1.0	93.16	4.29e-03	0.0	0.0
3	5.403	0.185	0.246	1.360e+05	6.3	1.728e+05	8.0	560.17	2.58e-02	0.0	0.0
4	10.377	0.096	0.265	26.51	1.22e-03	4.363e+04	2.0	5.578e+05	25.7	0.0	0.0
5	10.600	0.094	0.266	8941.79	0.4	2.289e+04	1.1	5.404e+05	24.9	0.0	0.0
6	12.538	0.080	0.271	9545.24	0.4	155.50	7.16e-03	7.790e+05	35.9	0.0	0.0
7	13.806	0.072	0.273	1.089e+04	0.5	8305.65	0.4	1.936e+05	8.9	0.0	0.0
8	15.095	0.066	0.275	42.57	1.96e-03	2.776e+04	1.3	9.342e+04	4.3	0.0	0.0
9	18.464	0.054	0.279	4.767e+04	2.2	1344.03	6.19e-02	1901.48	8.75e-02	0.0	0.0
Risulta				2.168e+06		2.162e+06		2.167e+06			
In percentuale				99.83		99.54		99.77			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.142
			ordinata spettro (tratto Tb-Tc) = 0.246 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa

CDC	Tipo	Sigla Id	Note
			periodo proprio T1: 0.208 sec.
			fattore q: 3.000
			fattore per spost. mu d: 5.562
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
760.00	7.480e+05	1780.86	1087.25	0.0	109.30	1715.91	1092.49	1.311	0.023	0.004
717.78	4.474e+04	1602.59	1052.81	0.0	109.30	1715.76	1198.60	2.020	0.050	0.084
675.56	3.762e+04	1545.95	1046.25	0.0	109.30	1804.81	1095.84	2.087	0.116	0.028
633.33	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
591.11	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
548.89	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
506.67	3.092e+04	1448.38	1052.25	0.0	109.30	1804.80	1198.60	1.959	0.157	0.086
464.44	3.134e+04	1434.27	1067.46	0.0	109.30	1804.80	1198.60	1.959	0.164	0.077
422.22	3.134e+04	1434.27	1067.46	0.0	109.30	1804.80	1400.80	2.097	0.171	0.190
380.00	8.890e+05	1813.80	1109.37	0.0	109.30	1715.91	1092.49	1.311	0.035	0.012
337.78	4.474e+04	1602.59	1052.81	0.0	109.30	1804.80	1198.60	1.959	0.089	0.086
295.56	3.762e+04	1545.95	1046.25	0.0	109.30	1804.81	1095.84	2.087	0.116	0.028
253.33	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
211.11	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
168.89	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
126.67	3.092e+04	1448.38	1052.25	0.0	109.30	1804.80	1198.60	1.959	0.157	0.086
84.44	3.134e+04	1434.27	1067.46	0.0	109.30	1804.80	1198.60	1.959	0.164	0.077
42.22	3.134e+04	1434.27	1067.46	0.0	109.30	1804.80	1198.60	1.959	0.164	0.077
Risulta	2.172e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	3.943	0.254	0.246	2.419e+04	1.1	1.829e+06	84.2	131.46	6.05e-03	0.0	0.0
2	4.802	0.208	0.246	1.805e+06	83.1	9.213e+04	4.2	435.55	2.01e-02	0.0	0.0
3	5.452	0.183	0.246	2.629e+05	12.1	1.368e+05	6.3	101.14	4.66e-03	0.0	0.0
4	10.371	0.096	0.265	1363.39	6.28e-02	3.402e+04	1.6	6.445e+05	29.7	0.0	0.0
5	10.720	0.093	0.266	1802.62	8.30e-02	2.925e+04	1.3	5.129e+05	23.6	0.0	0.0
6	12.733	0.079	0.271	1.648e+04	0.8	1.395e+04	0.6	5.281e+05	24.3	0.0	0.0
7	13.144	0.076	0.272	1.190e+04	0.5	9004.36	0.4	4.199e+05	19.3	0.0	0.0
8	15.655	0.064	0.276	1.694e+04	0.8	1.570e+04	0.7	5.266e+04	2.4	0.0	0.0
9	20.122	0.050	0.280	2.661e+04	1.2	1039.34	4.79e-02	8947.25	0.4	0.0	0.0
Risulta				2.167e+06		2.161e+06		2.168e+06			
In percentuale				99.76		99.49		99.80			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.142
			ordinata spettro (tratto Tb-Tc) = 0.246 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.264 sec.
			fattore q: 3.000
			fattore per spost. mu d: 4.592
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
760.00	7.480e+05	1780.86	1087.25	179.76	0.0	1715.91	1092.49	1.311	0.023	0.004
717.78	4.474e+04	1602.59	1052.81	179.75	0.0	1715.76	1198.60	2.020	0.050	0.084
675.56	3.762e+04	1545.95	1046.25	179.75	0.0	1804.81	1095.84	2.087	0.116	0.028
633.33	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
591.11	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
548.89	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
506.67	3.092e+04	1448.38	1052.25	179.75	0.0	1804.80	1198.60	1.959	0.157	0.086
464.44	3.134e+04	1434.27	1067.46	179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
422.22	3.134e+04	1434.27	1067.46	179.75	0.0	1804.80	1400.80	2.097	0.171	0.190
380.00	8.890e+05	1813.80	1109.37	179.76	0.0	1715.91	1092.49	1.311	0.035	0.012
337.78	4.474e+04	1602.59	1052.81	179.75	0.0	1804.80	1198.60	1.959	0.089	0.086
295.56	3.762e+04	1545.95	1046.25	179.75	0.0	1804.81	1095.84	2.087	0.116	0.028
253.33	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034

CDC	Tipo	Sigla Id				Note					
211.11	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034	
168.89	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034	
126.67	3.092e+04	1448.38	1052.25	179.75	0.0	1804.80	1198.60	1.959	0.157	0.086	
84.44	3.134e+04	1434.27	1067.46	179.75	0.0	1804.80	1198.60	1.959	0.164	0.077	
42.22	3.134e+04	1434.27	1067.46	179.75	0.0	1804.80	1198.60	1.959	0.164	0.077	
Risulta	2.172e+06										

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	3.781	0.264	0.246	2515.10	0.1	1.766e+06	81.3	99.27	4.57e-03	0.0	0.0
2	4.886	0.205	0.246	2.084e+06	95.9	6080.67	0.3	275.98	1.27e-02	0.0	0.0
3	5.566	0.180	0.246	5097.44	0.2	2.838e+05	13.1	491.99	2.27e-02	0.0	0.0
4	10.415	0.096	0.265	1607.52	7.40e-02	2.207e+04	1.0	8.780e+05	40.4	0.0	0.0
5	10.893	0.092	0.267	6622.26	0.3	5.547e+04	2.6	2.461e+05	11.3	0.0	0.0
6	12.057	0.083	0.270	1.609e+04	0.7	27.66	1.27e-03	2.543e+05	11.7	0.0	0.0
7	13.094	0.076	0.272	346.68	1.60e-02	3277.15	0.2	7.063e+05	32.5	0.0	0.0
8	15.483	0.065	0.275	1803.64	8.30e-02	2.330e+04	1.1	8.092e+04	3.7	0.0	0.0
9	18.702	0.053	0.279	5.171e+04	2.4	180.05	8.29e-03	374.75	1.73e-02	0.0	0.0
Risulta				2.170e+06		2.160e+06		2.167e+06			
In percentuale				99.89		99.44		99.76			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.142
			ordinata spettro (tratto Tb-Tc) = 0.246 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.245 sec.
			fattore q: 3.000
			fattore per spost. mu d: 4.873
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
760.00	7.480e+05	1780.86	1087.25	-179.76	0.0	1715.91	1092.49	1.311	0.023	0.004
717.78	4.474e+04	1602.59	1052.81	-179.75	0.0	1715.76	1198.60	2.020	0.050	0.084
675.56	3.762e+04	1545.95	1046.25	-179.75	0.0	1804.81	1095.84	2.087	0.116	0.028
633.33	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
591.11	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
548.89	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
506.67	3.092e+04	1448.38	1052.25	-179.75	0.0	1804.80	1198.60	1.959	0.157	0.086
464.44	3.134e+04	1434.27	1067.46	-179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
422.22	3.134e+04	1434.27	1067.46	-179.75	0.0	1804.80	1400.80	2.097	0.171	0.190
380.00	8.890e+05	1813.80	1109.37	-179.76	0.0	1715.91	1092.49	1.311	0.035	0.012
337.78	4.474e+04	1602.59	1052.81	-179.75	0.0	1804.80	1198.60	1.959	0.089	0.086
295.56	3.762e+04	1545.95	1046.25	-179.75	0.0	1804.81	1095.84	2.087	0.116	0.028
253.33	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
211.11	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
168.89	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
126.67	3.092e+04	1448.38	1052.25	-179.75	0.0	1804.80	1198.60	1.959	0.157	0.086
84.44	3.134e+04	1434.27	1067.46	-179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
42.22	3.134e+04	1434.27	1067.46	-179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
Risulta	2.172e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.077	0.245	0.246	2362.26	0.1	2.002e+06	92.2	230.21	1.06e-02	0.0	0.0
2	4.881	0.205	0.246	2.057e+06	94.7	6669.09	0.3	294.63	1.36e-02	0.0	0.0
3	5.281	0.189	0.246	3.241e+04	1.5	5.136e+04	2.4	121.69	5.60e-03	0.0	0.0
4	10.390	0.096	0.265	1210.33	5.57e-02	2.784e+04	1.3	7.700e+05	35.5	0.0	0.0
5	10.866	0.092	0.267	4259.25	0.2	4.144e+04	1.9	4.160e+05	19.2	0.0	0.0
6	12.079	0.083	0.270	2.047e+04	0.9	3215.49	0.1	9.791e+04	4.5	0.0	0.0
7	13.052	0.077	0.272	6.31	2.90e-04	1793.11	8.26e-02	7.970e+05	36.7	0.0	0.0
8	15.021	0.067	0.275	2932.18	0.1	2.690e+04	1.2	8.344e+04	3.8	0.0	0.0
9	18.959	0.053	0.279	4.916e+04	2.3	0.59	2.73e-05	1376.38	6.34e-02	0.0	0.0
Risulta				2.170e+06		2.162e+06		2.166e+06			
In percentuale				99.88		99.52		99.74			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.295 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.206 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
760.00	7.480e+05	1780.86	1087.25	0.0	-109.30	1715.91	1092.49	1.311	0.023	0.004
717.78	4.474e+04	1602.59	1052.81	0.0	-109.30	1715.76	1198.60	2.020	0.050	0.084
675.56	3.762e+04	1545.95	1046.25	0.0	-109.30	1804.81	1095.84	2.087	0.116	0.028
633.33	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
591.11	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
548.89	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
506.67	3.092e+04	1448.38	1052.25	0.0	-109.30	1804.80	1198.60	1.959	0.157	0.086
464.44	3.134e+04	1434.27	1067.46	0.0	-109.30	1804.80	1198.60	1.959	0.164	0.077
422.22	3.134e+04	1434.27	1067.46	0.0	-109.30	1804.80	1400.80	2.097	0.171	0.190
380.00	8.890e+05	1813.80	1109.37	0.0	-109.30	1715.91	1092.49	1.311	0.035	0.012
337.78	4.474e+04	1602.59	1052.81	0.0	-109.30	1804.80	1198.60	1.959	0.089	0.086
295.56	3.762e+04	1545.95	1046.25	0.0	-109.30	1804.81	1095.84	2.087	0.116	0.028
253.33	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
211.11	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
168.89	3.050e+04	1462.87	1036.61	0.0	-109.30	1804.81	1095.84	2.087	0.154	0.034
126.67	3.092e+04	1448.38	1052.25	0.0	-109.30	1804.80	1198.60	1.959	0.157	0.086
84.44	3.134e+04	1434.27	1067.46	0.0	-109.30	1804.80	1198.60	1.959	0.164	0.077
42.22	3.134e+04	1434.27	1067.46	0.0	-109.30	1804.80	1198.60	1.959	0.164	0.077
Risulta	2.172e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	3.950	0.253	0.295	1972.79	9.08e-02	1.863e+06	85.8	165.85	7.64e-03	0.0	0.0
2	4.850	0.206	0.295	1.953e+06	89.9	2.177e+04	1.0	93.16	4.29e-03	0.0	0.0
3	5.403	0.185	0.295	1.360e+05	6.3	1.728e+05	8.0	560.17	2.58e-02	0.0	0.0
4	10.377	0.096	0.244	26.51	1.22e-03	4.363e+04	2.0	5.578e+05	25.7	0.0	0.0
5	10.600	0.094	0.241	8941.79	0.4	2.289e+04	1.1	5.404e+05	24.9	0.0	0.0
6	12.538	0.080	0.223	9545.24	0.4	155.50	7.16e-03	7.790e+05	35.9	0.0	0.0
7	13.806	0.072	0.214	1.089e+04	0.5	8305.65	0.4	1.936e+05	8.9	0.0	0.0
8	15.095	0.066	0.206	42.57	1.96e-03	2.776e+04	1.3	9.342e+04	4.3	0.0	0.0
9	18.464	0.054	0.190	4.767e+04	2.2	1344.03	6.19e-02	1901.48	8.75e-02	0.0	0.0
Risulta				2.168e+06		2.162e+06		2.167e+06			
In percentuale				99.83		99.54		99.77			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.295 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.208 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
760.00	7.480e+05	1780.86	1087.25	0.0	109.30	1715.91	1092.49	1.311	0.023	0.004
717.78	4.474e+04	1602.59	1052.81	0.0	109.30	1715.76	1198.60	2.020	0.050	0.084
675.56	3.762e+04	1545.95	1046.25	0.0	109.30	1804.81	1095.84	2.087	0.116	0.028
633.33	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
591.11	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
548.89	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
506.67	3.092e+04	1448.38	1052.25	0.0	109.30	1804.80	1198.60	1.959	0.157	0.086
464.44	3.134e+04	1434.27	1067.46	0.0	109.30	1804.80	1198.60	1.959	0.164	0.077
422.22	3.134e+04	1434.27	1067.46	0.0	109.30	1804.80	1400.80	2.097	0.171	0.190
380.00	8.890e+05	1813.80	1109.37	0.0	109.30	1715.91	1092.49	1.311	0.035	0.012

CDC	Tipo	Sigla Id			Note					
337.78	4.474e+04	1602.59	1052.81	0.0	109.30	1804.80	1198.60	1.959	0.089	0.086
295.56	3.762e+04	1545.95	1046.25	0.0	109.30	1804.81	1095.84	2.087	0.116	0.028
253.33	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
211.11	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
168.89	3.050e+04	1462.87	1036.61	0.0	109.30	1804.81	1095.84	2.087	0.154	0.034
126.67	3.092e+04	1448.38	1052.25	0.0	109.30	1804.80	1198.60	1.959	0.157	0.086
84.44	3.134e+04	1434.27	1067.46	0.0	109.30	1804.80	1198.60	1.959	0.164	0.077
42.22	3.134e+04	1434.27	1067.46	0.0	109.30	1804.80	1198.60	1.959	0.164	0.077
Risulta	2.172e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	3.943	0.254	0.295	2.419e+04	1.1	1.829e+06	84.2	131.46	6.05e-03	0.0	0.0
2	4.802	0.208	0.295	1.805e+06	83.1	9.213e+04	4.2	435.55	2.01e-02	0.0	0.0
3	5.452	0.183	0.295	2.629e+05	12.1	1.368e+05	6.3	101.14	4.66e-03	0.0	0.0
4	10.371	0.096	0.244	1363.39	6.28e-02	3.402e+04	1.6	6.445e+05	29.7	0.0	0.0
5	10.720	0.093	0.240	1802.62	8.30e-02	2.925e+04	1.3	5.129e+05	23.6	0.0	0.0
6	12.733	0.079	0.221	1.648e+04	0.8	1.395e+04	0.6	5.281e+05	24.3	0.0	0.0
7	13.144	0.076	0.218	1.190e+04	0.5	9004.36	0.4	4.199e+05	19.3	0.0	0.0
8	15.655	0.064	0.203	1.694e+04	0.8	1.570e+04	0.7	5.266e+04	2.4	0.0	0.0
9	20.122	0.050	0.185	2.661e+04	1.2	1039.34	4.79e-02	8947.25	0.4	0.0	0.0
Risulta				2.167e+06		2.161e+06		2.168e+06			
In percentuale				99.76		99.49		99.80			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.295 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.264 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

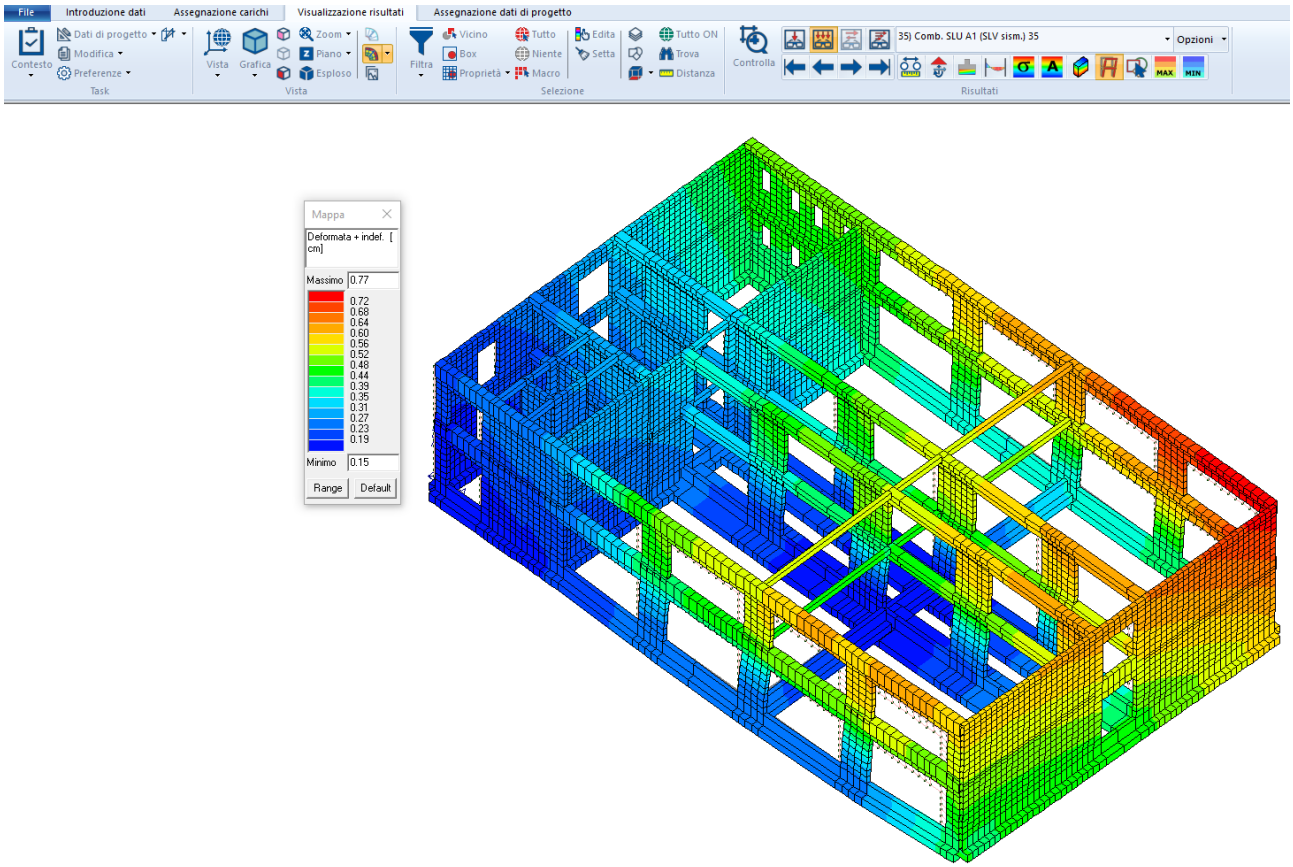
Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
760.00	7.480e+05	1780.86	1087.25	179.76	0.0	1715.91	1092.49	1.311	0.023	0.004
717.78	4.474e+04	1602.59	1052.81	179.75	0.0	1715.76	1198.60	2.020	0.050	0.084
675.56	3.762e+04	1545.95	1046.25	179.75	0.0	1804.81	1095.84	2.087	0.116	0.028
633.33	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
591.11	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
548.89	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
506.67	3.092e+04	1448.38	1052.25	179.75	0.0	1804.80	1198.60	1.959	0.157	0.086
464.44	3.134e+04	1434.27	1067.46	179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
422.22	3.134e+04	1434.27	1067.46	179.75	0.0	1804.80	1400.80	2.097	0.171	0.190
380.00	8.890e+05	1813.80	1109.37	179.76	0.0	1715.91	1092.49	1.311	0.035	0.012
337.78	4.474e+04	1602.59	1052.81	179.75	0.0	1804.80	1198.60	1.959	0.089	0.086
295.56	3.762e+04	1545.95	1046.25	179.75	0.0	1804.81	1095.84	2.087	0.116	0.028
253.33	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
211.11	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
168.89	3.050e+04	1462.87	1036.61	179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
126.67	3.092e+04	1448.38	1052.25	179.75	0.0	1804.80	1198.60	1.959	0.157	0.086
84.44	3.134e+04	1434.27	1067.46	179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
42.22	3.134e+04	1434.27	1067.46	179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
Risulta	2.172e+06									

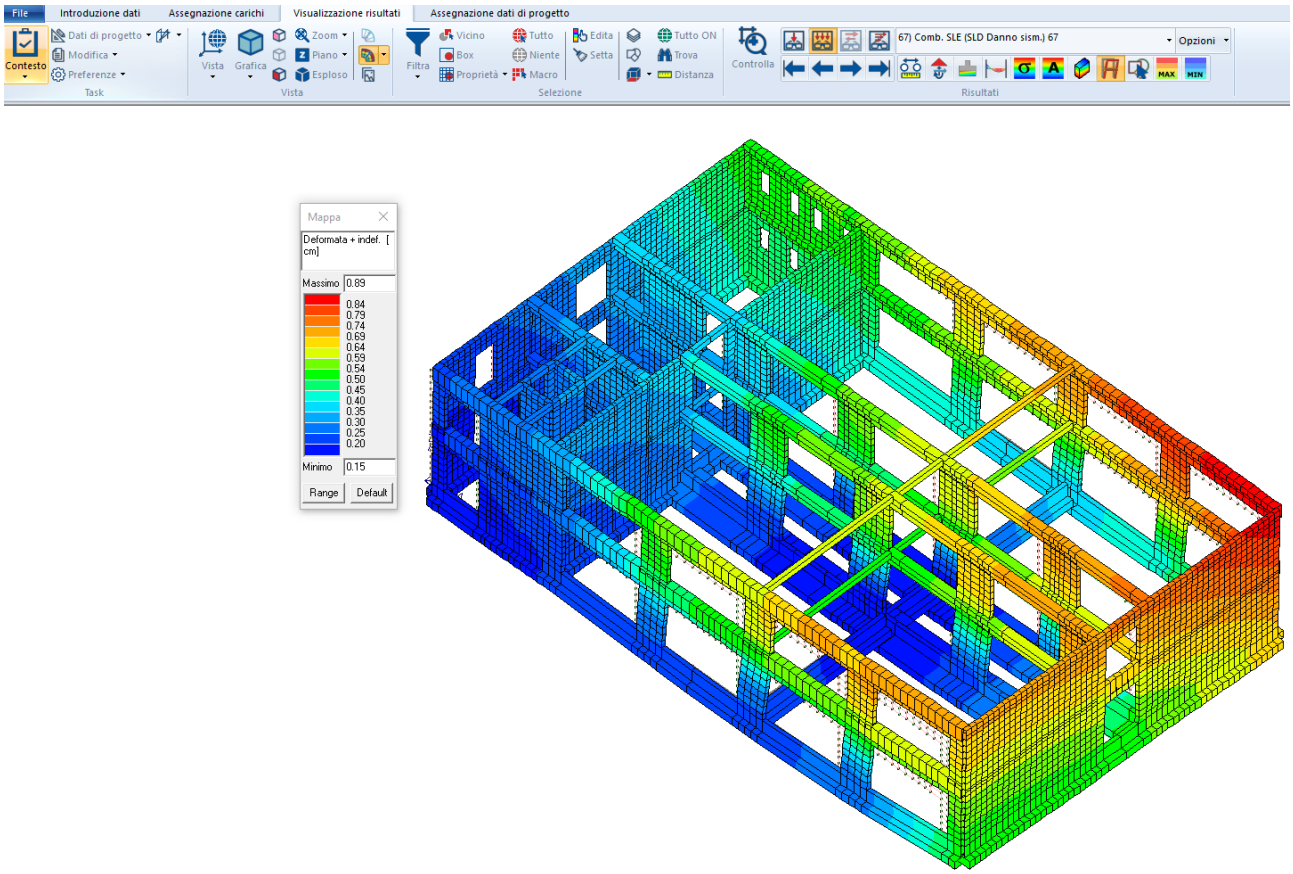
Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	3.781	0.264	0.295	2515.10	0.1	1.766e+06	81.3	99.27	4.57e-03	0.0	0.0
2	4.886	0.205	0.295	2.084e+06	95.9	6080.67	0.3	275.98	1.27e-02	0.0	0.0
3	5.566	0.180	0.295	5097.44	0.2	2.838e+05	13.1	491.99	2.27e-02	0.0	0.0
4	10.415	0.096	0.244	1607.52	7.40e-02	2.207e+04	1.0	8.780e+05	40.4	0.0	0.0
5	10.893	0.092	0.238	6622.26	0.3	5.547e+04	2.6	2.461e+05	11.3	0.0	0.0
6	12.057	0.083	0.227	1.609e+04	0.7	27.66	1.27e-03	2.543e+05	11.7	0.0	0.0
7	13.094	0.076	0.219	346.68	1.60e-02	3277.15	0.2	7.063e+05	32.5	0.0	0.0
8	15.483	0.065	0.204	1803.64	8.30e-02	2.330e+04	1.1	8.092e+04	3.7	0.0	0.0
9	18.702	0.053	0.189	5.171e+04	2.4	180.05	8.29e-03	374.75	1.73e-02	0.0	0.0
Risulta				2.170e+06		2.160e+06		2.167e+06			
In percentuale				99.89		99.44		99.76			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.295 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.245 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
760.00	7.480e+05	1780.86	1087.25	-179.76	0.0	1715.91	1092.49	1.311	0.023	0.004
717.78	4.474e+04	1602.59	1052.81	-179.75	0.0	1715.76	1198.60	2.020	0.050	0.084
675.56	3.762e+04	1545.95	1046.25	-179.75	0.0	1804.81	1095.84	2.087	0.116	0.028
633.33	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
591.11	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
548.89	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
506.67	3.092e+04	1448.38	1052.25	-179.75	0.0	1804.80	1198.60	1.959	0.157	0.086
464.44	3.134e+04	1434.27	1067.46	-179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
422.22	3.134e+04	1434.27	1067.46	-179.75	0.0	1804.80	1400.80	2.097	0.171	0.190
380.00	8.890e+05	1813.80	1109.37	-179.76	0.0	1715.91	1092.49	1.311	0.035	0.012
337.78	4.474e+04	1602.59	1052.81	-179.75	0.0	1804.80	1198.60	1.959	0.089	0.086
295.56	3.762e+04	1545.95	1046.25	-179.75	0.0	1804.81	1095.84	2.087	0.116	0.028
253.33	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
211.11	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
168.89	3.050e+04	1462.87	1036.61	-179.75	0.0	1804.81	1095.84	2.087	0.154	0.034
126.67	3.092e+04	1448.38	1052.25	-179.75	0.0	1804.80	1198.60	1.959	0.157	0.086
84.44	3.134e+04	1434.27	1067.46	-179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
42.22	3.134e+04	1434.27	1067.46	-179.75	0.0	1804.80	1198.60	1.959	0.164	0.077
Risulta	2.172e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.077	0.245	0.295	2362.26	0.1	2.002e+06	92.2	230.21	1.06e-02	0.0	0.0
2	4.881	0.205	0.295	2.057e+06	94.7	6669.09	0.3	294.63	1.36e-02	0.0	0.0
3	5.281	0.189	0.295	3.241e+04	1.5	5.136e+04	2.4	121.69	5.60e-03	0.0	0.0
4	10.390	0.096	0.244	1210.33	5.57e-02	2.784e+04	1.3	7.700e+05	35.5	0.0	0.0
5	10.866	0.092	0.238	4259.25	0.2	4.144e+04	1.9	4.160e+05	19.2	0.0	0.0
6	12.079	0.083	0.227	2.047e+04	0.9	3215.49	0.1	9.791e+04	4.5	0.0	0.0
7	13.052	0.077	0.219	6.31	2.90e-04	1793.11	8.26e-02	7.970e+05	36.7	0.0	0.0
8	15.021	0.067	0.206	2932.18	0.1	2.690e+04	1.2	8.344e+04	3.8	0.0	0.0
9	18.959	0.053	0.188	4.916e+04	2.3	0.59	2.73e-05	1376.38	6.34e-02	0.0	0.0
Risulta				2.170e+06		2.162e+06		2.166e+06			
In percentuale				99.88		99.52		99.74			


File
Introduzione dati
Assegnazione carichi
Visualizzazione risultati
Assegnazione dati di progetto
35) Comb. SLU A1 (SLV sism.) 35
Opzioni
Mappa
Deformata + indef. [cm]
Massimo 0.77
0.72
0.68
0.64
0.60
0.56
0.52
0.48
0.44
0.39
0.35
0.31
0.27
0.23
0.19
Minimo 0.15
Range
Default

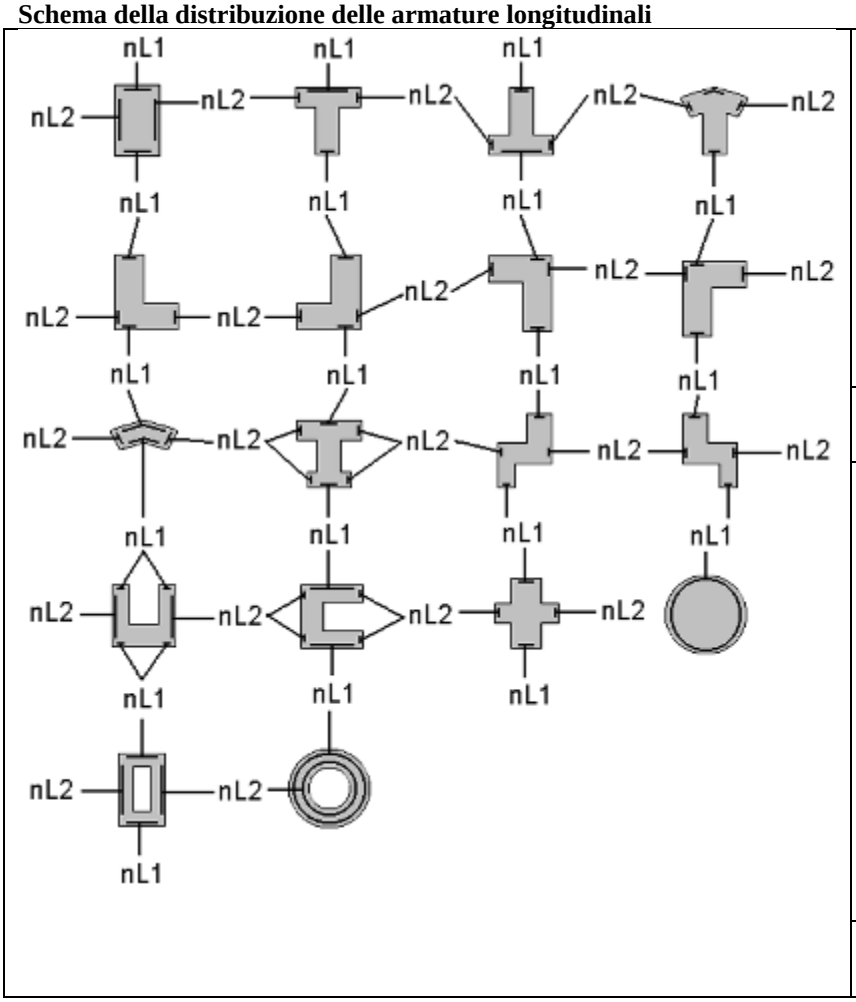

File
Introduzione dati
Assegnazione carichi
Visualizzazione risultati
Assegnazione dati di progetto
67) Comb. SLE (SLD Danno sism.) 67
Opzioni
Mappa
Deformata + indef. [cm]
Massimo 0.89
0.84
0.79
0.74
0.69
0.64
0.59
0.54
0.50
0.45
0.40
0.35
0.30
0.25
0.20
Minimo 0.15
Range
Default

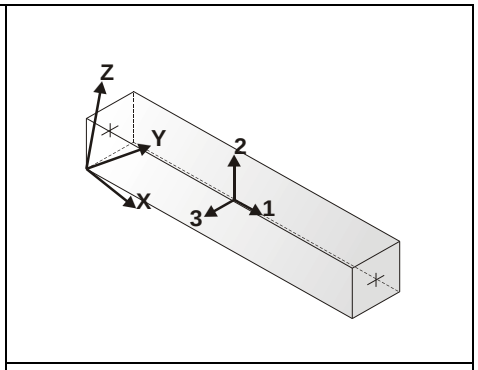
VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

Legenda tabella verifiche elementi trave e/o pilastro in c.a.

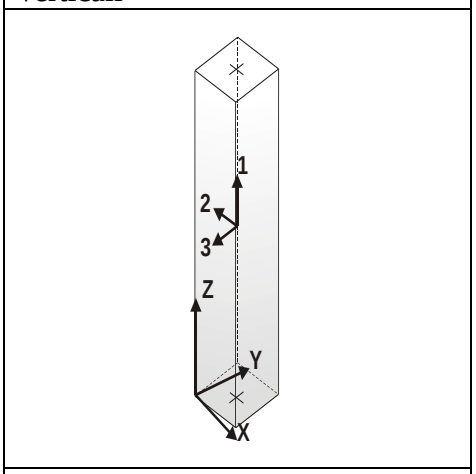
In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**.
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.
Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite (**S.L.**) vengono riportati: il rapporto x/d, le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.
Nel caso in cui la struttura abbia comportamento dissipativo e sia prevista la progettazione con il criterio della gerarchia delle resistenze **(G.R.)** vengono riportate le verifiche di sovraresistenza e del nodo.
Per gli elementi tipo pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).
Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali





Orientamento elementi 2D non verticali



Orientamento elementi 2D verticali

Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	M_T= 1 x/d	Z=0.0 V N/M	N=1 V V/T cls	N=37 V V/T acc	Staffe L=cm	Rif. cmb
1	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.07	0.12	0.05	2d8/25 L=38	41,13,13
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.07	0.17	0.12	2d8/25 L=38	41,13,13

78	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.08	0.11	0.05	2d8/25 L=38	41,13,17
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.08	0.13	0.10	2d8/25 L=38	41,13,41
107	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.09	0.11	0.06	2d8/25 L=38	41,13,13
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.10	0.12	0.08	2d8/25 L=38	41,13,37
121	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.10	0.09	0.05	2d8/25 L=38	41,13,16
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.11	0.11	0.07	2d8/25 L=38	41,17,17
135	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.12	0.10	0.08	2d8/25 L=38	41,16,16
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.12	0.09	0.05	2d8/25 L=38	41,17,17
145	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.13	0.13	0.14	2d8/25 L=38	41,16,16
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.11	0.09	0.08	2d8/25 L=38	41,20,20
155	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.12	0.24	0.32	2d8/25 L=38	41,20,20
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.08	0.22	0.29	2d8/25 L=38	41,44,44
165	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.15	0.33	0.28	2d8/15 L=38	25,40,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.08	0.31	0.27	2d8/15 L=38	25,40,44
173	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.08	0.31	0.27	2d8/15 L=38	25,44,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.02	0.31	0.26	2d8/15 L=38	13,44,44
181	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.03	0.30	0.26	2d8/15 L=38	25,44,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.04	0.30	0.25	2d8/15 L=38	25,44,44
189	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.29	0.25	2d8/15 L=38	25,44,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.10	0.30	0.25	2d8/15 L=38	44,41,44
197	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.02	0.21	0.29	2d8/25 L=38	14,44,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.23	0.28	2d8/25 L=38	17,41,44
205	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.03	0.10	0.10	2d8/25 L=38	20,38,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.14	0.12	2d8/25 L=38	44,41,25
211	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.03	0.11	0.06	2d8/25 L=38	20,18,3
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.12	0.06	2d8/25 L=38	20,13,25
217	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.02	0.15	0.11	2d8/25 L=38	20,18,3
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.12	0.07	2d8/25 L=38	20,13,16
223	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.02	0.21	0.18	2d8/25 L=38	20,18,3
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.16	0.12	2d8/25 L=38	3,18,20
229	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.03	0.27	0.28	2d8/25 L=38	15,18,3
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.06	0.23	0.21	2d8/25 L=38	3,18,3
235	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.31	0.31	2d8/25 L=15	3,18,3
	s=1,m=1	14.8	0.35	23.7	22.9	0.0	0.05	0.06	0.29	0.29	2d8/25 L=15	3,18,3
72	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.10	0.27	0.32	2d8/25 L=23	41,15,41
	s=1,m=1	23.5	0.35	23.7	22.9	0.0	0.05	0.11	0.30	0.36	2d8/25 L=23	41,15,41
102	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.11	0.21	0.24	2d8/25 L=38	41,3,37
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.13	0.26	0.30	2d8/25 L=38	41,3,41
116	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.13	0.15	0.14	2d8/25 L=38	41,20,17
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.14	0.19	0.19	2d8/25 L=38	41,15,3
130	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.15	0.11	0.08	2d8/25 L=38	41,20,25
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.16	0.15	0.12	2d8/25 L=38	41,20,3
140	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.17	0.13	0.09	2d8/25 L=38	41,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.18	0.10	0.10	2d8/25 L=38	41,22,25
150	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.19	0.16	0.14	2d8/25 L=38	41,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.20	0.11	0.09	2d8/25 L=38	41,28,25
160	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.21	0.15	0.14	2d8/25 L=38	41,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.20	0.10	0.07	2d8/25 L=38	41,28,28
15	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.21	0.31	0.41	2d8/25 L=54	41,44,44
	s=1,m=1	54.5	0.35	23.7	22.9	0.0	0.05	0.13	0.27	0.34	2d8/25 L=54	41,44,44
84	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.28	0.55	0.43	2d8/15 L=120	25,44,44
	s=1,m=1	120.5	0.35	23.7	22.9	0.0	0.05	0.04	0.45	0.39	2d8/15 L=120	3,44,41
8	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.46	0.39	2d8/15 L=120	3,25,41
	s=1,m=1	120.5	0.35	23.7	22.9	0.0	0.08	0.33	0.60	0.51	2d8/15 L=120	25,25,25
83	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.15	0.22	0.25	2d8/25 L=54	44,25,25
	s=1,m=1	54.5	0.35	23.7	22.9	0.0	0.08	0.20	0.29	0.36	2d8/25 L=54	25,25,25
22	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.07	0.32	0.25	2d8/25 L=38	36,25,13
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.07	0.34	0.30	2d8/25 L=38	25,25,1
258	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.07	0.27	0.18	2d8/25 L=38	25,25,25
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.07	0.30	0.23	2d8/25 L=38	25,25,41
254	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.07	0.22	0.12	2d8/25 L=38	25,25,25
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.07	0.24	0.17	2d8/25 L=38	25,25,41
250	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.07	0.16	0.05	2d8/25 L=38	25,25,13
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.07	0.19	0.11	2d8/25 L=38	25,25,33
246	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.13	0.06	2d8/25 L=38	25,28,16
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.06	0.15	0.07	2d8/25 L=38	22,25,29
242	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.13	0.07	2d8/25 L=38	22,28,20
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.06	0.14	0.06	2d8/25 L=38	22,25,21
238	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.13	0.08	2d8/25 L=38	22,28,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.06	0.14	0.07	2d8/25 L=38	22,25,25
232	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.13	0.10	2d8/25 L=38	22,28,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.06	0.13	0.09	2d8/25 L=38	22,25,25
226	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.13	0.11	2d8/25 L=38	22,28,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.13	0.10	2d8/25 L=38	22,25,25
220	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.12	0.12	2d8/25 L=38	22,28,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.12	0.10	2d8/25 L=38	22,21,25
214	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.11	0.12	2d8/25 L=38	22,28,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.11	0.11	2d8/25 L=38	22,25,25
208	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.10	0.12	2d8/25 L=38	22,28,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.11	0.12	2d8/25 L=38	22,25,25
202	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.04	0.09	0.12	2d8/25 L=38	22,44,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.10	0.12	2d8/25 L=38	22,25,25
194	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.09	0.12	2d8/25 L=38	22,44,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.09	0.13	2d8/25 L=38	22,25,25
186	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.09	0.12	2d8/25 L=38	22,28,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.10	0.13	2d8/25 L=38	14,25,25
178	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.10	0.12	2d8/25 L=38	18,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.11	0.14	2d8/25 L=38	14,25,25
170	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.11	0.12	2d8/25 L=38	18,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.12	0.14	2d8/25 L=38	14,25,25
162	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.13	0.12	2d8/25 L=38	18,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.14	0.15	2d8/25 L=38	18,21,25
152	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.14	0.12	2d8/25 L=38	38,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.15	0.15	2d8/25 L=38	18,21,21
142	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.15	0.12	2d8/25 L=38	38,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.17	0.15	2d8/25 L=38	18,21,21
132	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.05	0.17	0.12	2d8/25 L=38	38,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.18	0.16	2d8/25 L=38	38,21,21
118	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.05	0.18	0.13	2d8/25 L=38	38,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.19	0.16	2d8/25 L=38	38,21,21
104	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.05	0.19	0.13	2d8/25 L=38	38,28,28

	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.20	0.16	2d8/25 L=38	38,21,21
85	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.05	0.20	0.13	2d8/25 L=38	38,28,28
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.21	0.16	2d8/25 L=38	42,21,21
							M_T= 2	**Z=0.0**	**N=37**	**N=48**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
2	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.08	0.17	0.13	2d8/25 L=39	22,44,28
	s=1,m=1	39.3	0.35	23.7	22.9	0.0	0.05	0.07	0.16	0.17	2d8/25 L=39	22,26,21
79	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.08	0.15	0.13	2d8/25 L=39	22,44,28
	s=1,m=1	39.3	0.35	23.7	22.9	0.0	0.08	0.07	0.16	0.18	2d8/25 L=39	22,26,21
16	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.07	0.13	0.13	2d8/25 L=40	22,41,25
	s=1,m=1	40.2	0.35	23.7	22.9	0.0	0.08	0.07	0.17	0.21	2d8/25 L=40	14,21,21
317	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.08	0.12	0.14	2d8/25 L=40	18,21,21
	s=1,m=1	40.2	0.35	23.7	22.9	0.0	0.08	0.08	0.17	0.21	2d8/25 L=40	14,21,21
316	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.08	0.10	0.11	2d8/25 L=40	18,21,21
	s=1,m=1	40.2	0.35	23.7	22.9	0.0	0.08	0.08	0.15	0.19	2d8/25 L=40	14,21,21
315	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.09	0.08	0.09	2d8/25 L=40	18,21,21
	s=1,m=1	40.2	0.35	23.7	22.9	0.0	0.08	0.09	0.13	0.17	2d8/25 L=40	18,41,21
314	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.09	0.09	0.10	2d8/25 L=40	18,24,24
	s=1,m=1	40.2	0.35	23.7	22.9	0.0	0.08	0.09	0.13	0.17	2d8/25 L=40	18,21,21
313	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.10	0.10	0.12	2d8/25 L=40	18,24,24
	s=1,m=1	40.2	0.35	23.7	22.9	0.0	0.08	0.09	0.14	0.19	2d8/25 L=40	18,21,33
29	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.10	0.10	0.13	2d8/25 L=40	18,24,21
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.10	0.15	0.21	2d8/25 L=40	18,21,33
90	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.09	0.10	0.13	2d8/25 L=40	13,24,21
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.10	0.15	0.22	2d8/25 L=40	18,33,33
110	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.10	0.11	0.13	2d8/25 L=40	17,24,24
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.10	0.16	0.22	2d8/25 L=40	18,33,33
124	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.10	0.12	0.12	2d8/25 L=40	29,24,36
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.11	0.17	0.23	2d8/25 L=40	29,41,29
138	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.12	0.11	0.12	2d8/25 L=40	29,41,33
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.13	0.19	0.24	2d8/25 L=40	29,41,29
148	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.13	0.13	0.12	2d8/25 L=40	29,41,33
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.15	0.21	0.24	2d8/25 L=40	29,41,37
158	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.14	0.14	0.12	2d8/25 L=40	35,41,37
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.17	0.22	0.25	2d8/25 L=40	35,41,37
168	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.16	0.17	0.14	2d8/25 L=40	35,41,37
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.19	0.25	0.27	2d8/25 L=40	35,41,37
176	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.18	0.20	0.18	2d8/25 L=40	31,41,37
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.22	0.29	0.31	2d8/25 L=40	31,41,37
184	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.21	0.25	0.23	2d8/25 L=40	39,41,41
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.26	0.34	0.37	2d8/25 L=40	41,41,41
192	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.25	0.30	0.30	2d8/25 L=40	41,41,41
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.31	0.39	0.43	2d8/25 L=40	41,41,41
200	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.31	0.34	0.34	2d8/25 L=40	41,44,44
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.37	0.41	0.45	2d8/25 L=40	41,41,41
37	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.39	0.34	0.33	2d8/25 L=44	41,40,40
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.35	0.25	0.21	2d8/25 L=44	41,44,16
92	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.36	0.57	0.70	2d8/25 L=44	25,44,44
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.05	0.26	0.47	0.55	2d8/25 L=44	25,44,44
53	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.47	0.67	0.58	2d8/15 L=119	25,44,28
	s=1,m=1	262.5	0.35	23.7	22.9	0.0	0.05	0.22	0.33	0.42	2d8/25 L=286	44,25,25
		524.9	0.35	23.7	22.9	0.0	0.08	0.58	0.72	0.63	2d8/15 L=119	25,3,3
45	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.29	0.44	0.61	2d8/25 L=44	44,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.38	0.54	0.77	2d8/25 L=44	44,3,3
96	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.36	0.36	0.49	2d8/25 L=44	38,25,25
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.40	0.44	0.61	2d8/25 L=44	44,25,25
114	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.38	0.44	0.63	2d8/25 L=44	44,28,28
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.36	0.39	0.54	2d8/25 L=44	38,28,28
128	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.36	0.59	0.79	2d8/25 L=44	42,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.29	0.49	0.63	2d8/25 L=44	42,3,3
57	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.44	0.75	0.60	2d8/15 L=119	26,3,3
	s=1,m=1	214.6	0.35	23.7	22.9	0.0	0.05	0.23	0.30	0.37	2d8/25 L=95	44,27,24
9	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.23	0.30	0.37	2d8/25 L=191	44,27,24
	s=1,m=1	310.3	0.35	23.7	22.9	0.0	0.08	0.36	0.66	0.48	2d8/15 L=119	26,3,3
23	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.26	0.36	0.37	2d8/25 L=44	44,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.31	0.47	0.52	2d8/25 L=44	44,3,3
86	ok,ok	0.0	0.35	23.7	22.9	8.0	0.08	0.30	0.40	0.82	2d8/15 L=44	44,27,43
	s=1,m=1	43.8	0.35	23.7	22.9	8.0	0.08	0.31	0.36	0.77	2d8/15 L=44	44,21,33
65	ok,ok	0.0	0.35	23.7	22.9	12.1	0.08	0.32	0.37	0.91	2d8/15 L=44	34,26,36
	s=1,m=1	43.8	0.35	23.7	22.9	8.0	0.08	0.34	0.43	0.84	2d8/15 L=44	42,26,42
100	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.35	0.47	0.51	2d8/25 L=44	34,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.29	0.37	0.36	2d8/25 L=44	34,36,3
33	ok,ok	0.0	0.35	23.7	22.9	8.0	0.08	0.39	0.67	0.98	2d8/10 L=134	26,3,36
	s=1,m=1	262.5	0.35	23.7	22.9	8.0	0.05	0.26	0.23	0.66	2d8/15 L=256	36,24,36
		524.9	0.35	23.7	22.9	8.0	0.08	0.45	0.73	0.88	2d8/12 L=134	26,3,32
41	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.32	0.53	0.68	2d8/25 L=44	44,3,3
	s=1,m=1	43.7	0.35	23.7	22.9	0.0	0.08	0.40	0.63	0.84	2d8/25 L=44	44,3,3
94	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.40	0.40	0.56	2d8/25 L=44	40,21,21
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.44	0.46	0.66	2d8/25 L=44	44,21,21
112	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.46	0.36	0.46	2d8/25 L=44	36,36,24
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.42	0.32	0.44	2d8/25 L=44	42,21,21
126	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.45	0.55	0.77	2d8/25 L=44	30,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.35	0.45	0.62	2d8/25 L=44	34,3,3
49	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.55	0.79	0.68	2d8/15 L=119	3,3,3
	s=1,m=1	262.5	0.35	23.7	22.9	0.0	0.05	0.32	0.41	0.42	2d8/25 L=286	32,36,36
		524.9	0.35	23.7	22.9	0.0	0.05	0.49	0.62	0.51	2d8/15 L=119	36,33,33
61	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.12	0.31	0.19	2d8/25 L=44	28,33,29
	s=1,m=1	43.7	0.35	23.7	22.9	0.0	0.05	0.10	0.41	0.35	2d8/25 L=44	28,29,29
98	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.12	0.48	0.39	2d8/25 L=44	36,33,33
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.05	0.06	0.48	0.39	2d8/25 L=44	24,33,33
							M_T= 3	**Z=0.0**	**N=12**	**N=48**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
3	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.15	0.22	0.10	2d8/25 L=38	35,13,29
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.16	0.26	0.15	2d8/25 L=38	35,13,17
80	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.18	0.19	0.13	2d8/25 L=38	35,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.16	0.25	0.20	2d8/25 L=38	35,29,33
108	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.17	0.25	0.24	2d8/25 L=38	35,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.14	0.27	0.25	2d8/25 L=38	35,29,33
122	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.15	0.27	0.28	2d8/25 L=38	35,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.11	0.27	0.27	2d8/25 L=38	35,29,32
136	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.13	0.27	0.29	2d8/25 L=38	35,32,32

	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.09	0.26	0.28	2d8/25 L=38	35,32,36
146	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.10	0.26	0.29	2d8/25 L=38	35,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.06	0.25	0.28	2d8/25 L=38	35,32,36
156	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.07	0.25	0.28	2d8/25 L=38	35,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.04	0.24	0.27	2d8/25 L=38	35,32,36
166	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.24	0.27	2d8/25 L=38	35,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.23	0.26	2d8/25 L=38	35,32,36
174	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.23	0.27	2d8/25 L=38	31,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.01	0.22	0.25	2d8/25 L=38	34,36,36
182	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.23	0.26	2d8/25 L=38	33,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.01	0.21	0.24	2d8/25 L=38	34,36,36
190	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.22	0.26	2d8/25 L=38	33,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.01	0.21	0.24	2d8/25 L=38	38,36,36
198	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.22	0.25	2d8/25 L=38	33,32,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.01	0.20	0.23	2d8/25 L=38	29,36,36
206	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.22	0.25	2d8/25 L=38	33,36,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.01	0.21	0.23	2d8/25 L=38	29,36,36
212	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.22	0.25	2d8/25 L=38	33,36,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.02	0.21	0.22	2d8/25 L=38	32,36,36
218	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.23	0.24	2d8/25 L=38	33,36,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.02	0.21	0.22	2d8/25 L=38	32,36,36
224	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.23	0.24	2d8/25 L=38	33,32,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.02	0.21	0.21	2d8/25 L=38	32,36,36
230	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.23	0.23	2d8/25 L=38	29,32,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.20	0.19	2d8/25 L=38	32,36,36
236	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.22	0.21	2d8/25 L=38	29,32,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.20	0.17	2d8/25 L=38	32,32,36
241	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.21	0.18	2d8/25 L=38	32,32,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.19	0.14	2d8/25 L=38	29,32,36
245	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.04	0.20	0.14	2d8/25 L=38	32,32,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.03	0.17	0.11	2d8/25 L=38	32,32,33
249	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.18	0.10	2d8/25 L=38	32,32,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.15	0.06	2d8/25 L=38	32,32,33
253	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.18	0.08	2d8/25 L=38	32,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.06	0.13	0.05	2d8/25 L=38	32,32,4
257	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.08	0.21	0.10	2d8/25 L=38	32,32,32
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.08	0.16	0.06	2d8/25 L=38	32,32,29
261	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.09	0.22	0.13	2d8/25 L=38	32,16,16
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.10	0.17	0.07	2d8/25 L=38	36,32,13
17	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.32	0.90	0.92	2d8/25 L=54	35,32,36
	s=1,m=1	54.5	0.35	23.7	22.9	0.0	0.05	0.14	0.84	0.84	2d8/25 L=54	35,32,36
76	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.42	1.00	0.86	2d8/12 L=10	36,36,32
	s=1,m=1	120.5	0.35	23.7	22.9	0.0	0.05	0.05	1.00	0.72	2d8/15 L=110	3,34,32
10	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.05	1.00	0.61	2d8/12 L=120	3,32,32
	s=1,m=1	120.5	0.35	23.7	22.9	0.0	0.05	0.46	0.99	0.53	2d8/12 L=120	36,29,33
74	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.33	0.61	0.35	2d8/25 L=54	32,36,36
	s=1,m=1	54.5	0.35	23.7	22.9	0.0	0.05	0.40	0.55	0.28	2d8/25 L=54	36,36,33
24	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.11	0.56	0.57	2d8/25 L=38	3,33,3
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.08	0.60	0.66	2d8/25 L=38	35,33,3
259	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.06	0.40	0.40	2d8/25 L=38	34,22,3
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.09	0.45	0.49	2d8/25 L=38	35,22,3
255	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.07	0.32	0.25	2d8/25 L=38	35,22,3
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.11	0.36	0.34	2d8/25 L=38	35,22,3
251	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.08	0.25	0.16	2d8/25 L=38	35,22,33
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.10	0.30	0.23	2d8/25 L=38	35,22,3
247	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.07	0.23	0.15	2d8/25 L=38	35,33,33
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.10	0.26	0.20	2d8/25 L=38	35,33,33
243	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.07	0.22	0.16	2d8/25 L=38	35,33,33
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.09	0.25	0.20	2d8/25 L=38	35,33,33
239	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.07	0.21	0.16	2d8/25 L=38	35,33,33
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.08	0.24	0.21	2d8/25 L=38	35,33,33
233	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.21	0.19	2d8/25 L=38	35,33,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.07	0.24	0.21	2d8/25 L=38	35,33,33
227	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.21	0.21	2d8/25 L=38	35,34,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.06	0.23	0.22	2d8/25 L=38	35,33,33
221	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.04	0.21	0.22	2d8/25 L=38	35,34,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.23	0.22	2d8/25 L=38	35,33,33
215	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.20	0.23	2d8/25 L=38	35,33,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.03	0.22	0.23	2d8/25 L=38	35,33,33
209	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.20	0.23	2d8/25 L=38	35,36,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.02	0.22	0.23	2d8/25 L=38	35,33,33
203	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.01	0.20	0.23	2d8/25 L=38	21,33,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.01	0.22	0.24	2d8/25 L=38	33,33,33
195	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.01	0.21	0.24	2d8/25 L=38	33,33,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.02	0.22	0.24	2d8/25 L=38	33,33,33
187	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.01	0.22	0.24	2d8/25 L=38	33,33,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.02	0.23	0.25	2d8/25 L=38	33,33,33
179	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.23	0.24	2d8/25 L=38	36,33,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.03	0.24	0.25	2d8/25 L=38	36,33,33
171	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.24	0.25	2d8/25 L=38	36,33,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.25	0.26	2d8/25 L=38	36,33,33
163	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.04	0.25	0.26	2d8/25 L=38	32,33,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.26	0.27	2d8/25 L=38	36,33,33
153	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.27	0.27	2d8/25 L=38	32,33,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.06	0.28	0.28	2d8/25 L=38	36,33,33
143	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.08	0.29	0.28	2d8/25 L=38	32,36,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.08	0.29	0.28	2d8/25 L=38	36,33,33
133	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.09	0.30	0.29	2d8/25 L=38	32,36,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.10	0.30	0.27	2d8/25 L=38	36,33,33
119	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.10	0.31	0.27	2d8/25 L=38	34,36,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.11	0.29	0.23	2d8/25 L=38	32,33,33
105	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.11	0.28	0.20	2d8/25 L=38	34,36,36
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.11	0.23	0.12	2d8/25 L=38	32,33,33
87	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.10	0.26	0.15	2d8/25 L=38	34,24,24
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.10	0.23	0.10	2d8/25 L=38	32,36,36
							M_T= 4	**Z=0.0**	**N=1**	**N=12**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
4	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.06	0.23	0.18	2d8/25 L=39	13,44,16
	s=1,m=1	39.3	0.35	23.7	22.9	0.0	0.05	0.07	0.18	0.11	2d8/25 L=39	13,40,16
81	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.08	0.26	0.18	2d8/25 L=39	13,44,44
	s=1,m=1	39.3	0.35	23.7	22.9	0.0	0.05	0.06	0.20	0.09	2d8/25 L=39	13,44,20

18	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.12	0.32	0.19	2d8/15 L=241	16,20,20
	s=1,m=1	241.0	0.35	23.7	22.9	0.0	0.08	0.20	0.37	0.29	2d8/15 L=241	13,13,13
30	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.11	0.13	0.12	2d8/25 L=53	17,13,13
	s=1,m=1	53.5	0.35	23.7	22.9	0.0	0.08	0.14	0.19	0.23	2d8/25 L=53	13,21,41
91	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.10	0.29	0.34	2d8/25 L=26	17,41,41
	s=1,m=1	25.8	0.35	23.7	22.9	0.0	0.08	0.13	0.33	0.41	2d8/25 L=26	17,41,41
111	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.12	0.20	0.21	2d8/25 L=40	17,41,41
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.14	0.26	0.31	2d8/25 L=40	13,41,41
125	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.14	0.15	0.12	2d8/25 L=40	17,39,41
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.15	0.21	0.22	2d8/25 L=40	13,41,41
139	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.14	0.13	0.07	2d8/25 L=40	13,39,41
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.15	0.19	0.17	2d8/25 L=40	13,41,41
149	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.15	0.12	0.07	2d8/25 L=40	18,39,40
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.15	0.18	0.15	2d8/25 L=40	18,39,41
159	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.15	0.13	0.11	2d8/25 L=40	18,38,40
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.15	0.18	0.14	2d8/25 L=40	18,41,41
169	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.17	0.15	0.15	2d8/25 L=40	18,38,40
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.17	0.19	0.14	2d8/25 L=40	18,41,37
177	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.18	0.19	0.20	2d8/25 L=40	18,40,40
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.18	0.20	0.19	2d8/25 L=40	18,37,40
185	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.19	0.24	0.27	2d8/25 L=40	18,40,40
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.08	0.20	0.23	0.26	2d8/25 L=40	18,40,40
193	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.21	0.30	0.35	2d8/25 L=40	18,40,20
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.05	0.22	0.29	0.34	2d8/25 L=40	18,40,40
201	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.23	0.35	0.42	2d8/25 L=40	18,40,20
	s=1,m=1	39.7	0.35	23.7	22.9	0.0	0.05	0.24	0.35	0.39	2d8/25 L=40	18,40,40
38	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.36	0.36	0.29	2d8/25 L=44	18,44,44
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.05	0.35	0.29	0.19	2d8/25 L=44	18,44,20
93	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.35	0.49	0.51	2d8/25 L=44	18,40,20
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.05	0.29	0.42	0.42	2d8/25 L=44	18,40,20
54	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.52	0.53	0.43	2d8/15 L=119	20,40,20
	s=1,m=1	262.5	0.35	23.7	22.9	0.0	0.05	0.17	0.35	0.50	2d8/25 L=286	18,17,17
		524.9	0.35	23.7	22.9	0.0	0.08	0.78	0.72	0.62	2d8/15 L=119	17,3,3
46	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.41	0.42	0.57	2d8/25 L=44	37,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.47	0.51	0.71	2d8/25 L=44	37,3,3
97	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.49	0.41	0.55	2d8/25 L=44	37,20,20
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.46	0.39	0.55	2d8/25 L=44	41,17,17
115	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.47	0.53	0.74	2d8/25 L=44	29,16,20
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.47	0.48	0.66	2d8/25 L=44	13,20,20
129	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.47	0.60	0.79	2d8/25 L=44	13,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.40	0.51	0.65	2d8/25 L=44	13,3,3
58	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.56	0.70	0.54	2d8/15 L=119	17,3,3
	s=1,m=1	214.6	0.35	23.7	22.9	0.0	0.05	0.19	0.35	0.38	2d8/25 L=95	19,16,16
11	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.17	0.35	0.38	2d8/25 L=191	19,20,16
	s=1,m=1	310.3	0.35	23.7	22.9	0.0	0.08	0.52	0.65	0.48	2d8/15 L=119	13,3,3
25	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.32	0.37	0.36	2d8/25 L=44	39,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.37	0.46	0.51	2d8/25 L=44	39,3,3
88	ok,ok	0.0	0.35	23.7	22.9	8.0	0.08	0.37	0.47	0.87	2d8/12 L=44	37,16,32
	s=1,m=1	43.8	0.35	23.7	22.9	8.0	0.08	0.35	0.42	0.74	2d8/12 L=44	39,16,32
66	ok,ok	0.0	0.35	23.7	22.9	12.1	0.08	0.38	0.46	0.89	2d8/12 L=44	29,13,29
	s=1,m=1	43.8	0.35	23.7	22.9	12.1	0.08	0.44	0.52	0.99	2d8/12 L=44	29,13,29
101	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.44	0.47	0.52	2d8/25 L=44	29,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.40	0.37	0.37	2d8/25 L=44	29,3,3
34	ok,ok	0.0	0.35	23.7	22.9	8.0	0.08	0.50	0.67	0.94	2d8/12 L=134	29,3,33
	s=1,m=1	262.5	0.35	23.7	22.9	8.0	0.05	0.19	0.29	0.63	2d8/12 L=256	35,13,29
		524.9	0.35	23.7	22.9	8.0	0.08	0.61	0.72	0.97	2d8/8 L=134	29,3,29
42	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.36	0.53	0.68	2d8/25 L=44	35,3,3
	s=1,m=1	43.7	0.35	23.7	22.9	0.0	0.08	0.46	0.63	0.83	2d8/25 L=44	35,3,3
95	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.47	0.44	0.59	2d8/25 L=44	29,13,13
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.51	0.51	0.69	2d8/25 L=44	35,13,13
113	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.51	0.32	0.46	2d8/25 L=44	35,16,16
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.56	0.35	0.47	2d8/25 L=44	29,13,13
127	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.57	0.54	0.77	2d8/25 L=44	29,3,3
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.08	0.51	0.45	0.62	2d8/25 L=44	29,3,3
50	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.71	0.78	0.68	2d8/15 L=119	29,3,3
	s=1,m=1	262.5	0.35	23.7	22.9	0.0	0.05	0.24	0.36	0.43	2d8/25 L=286	36,32,32
		524.9	0.35	23.7	22.9	0.0	0.05	0.41	0.65	0.49	2d8/15 L=119	32,33,33
62	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.13	0.35	0.19	2d8/25 L=44	16,29,33
	s=1,m=1	43.7	0.35	23.7	22.9	0.0	0.05	0.11	0.45	0.35	2d8/25 L=44	16,29,33
99	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.11	0.50	0.39	2d8/25 L=44	16,29,29
	s=1,m=1	43.8	0.35	23.7	22.9	0.0	0.05	0.06	0.50	0.39	2d8/25 L=44	15,29,29
							M_T= 5	**Z=0.0**	**N=64**	**N=65**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
5	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.08	0.69	0.49	2d8/15 L=78	17,44,3
	s=2,m=1	78.5	0.32	45.7	44.9	0.0	0.05	0.07	0.48	0.33	2d8/15 L=78	3,40,20
19	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.07	0.45	0.33	2d8/15 L=41	3,40,20
	s=2,m=1	120.5	0.32	45.7	44.9	0.0	0.05	0.14	0.33	0.45	2d8/25 L=81	20,17,17
		241.0	0.32	45.7	44.9	0.0	0.05	0.20	0.67	0.58	2d8/15 L=119	20,17,17
31	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.15	0.23	0.32	2d8/25 L=53	20,3,3
	s=2,m=1	53.5	0.32	45.7	44.9	0.0	0.05	0.13	0.39	0.56	2d8/25 L=53	17,3,3
674	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.06	0.33	0.42	2d8/25 L=26	20,41,41
	s=2,m=1	25.8	0.32	45.7	44.9	0.0	0.09	0.05	0.39	0.52	2d8/25 L=26	20,41,25
676	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.05	0.22	0.26	2d8/25 L=40	20,41,41
	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.09	0.04	0.31	0.39	2d8/25 L=40	17,41,41
678	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.04	0.16	0.16	2d8/25 L=40	17,44,37
	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.09	0.04	0.24	0.28	2d8/25 L=40	14,41,41
680	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.04	0.18	0.15	2d8/25 L=40	14,44,40
	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.09	0.04	0.19	0.19	2d8/25 L=40	38,41,41
682	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.04	0.19	0.16	2d8/25 L=40	38,44,40
	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.09	0.04	0.16	0.14	2d8/25 L=40	38,41,41
684	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.05	0.20	0.16	2d8/25 L=40	38,44,40
	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.09	0.05	0.15	0.10	2d8/25 L=40	44,41,41
686	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.05	0.20	0.16	2d8/25 L=40	44,44,4
	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.09	0.05	0.14	0.08	2d8/25 L=40	44,41,37
688	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.05	0.19	0.15	2d8/25 L=40	44,44,4
	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.09	0.05	0.14	0.07	2d8/25 L=40	44,41,29
690	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.05	0.17	0.13	2d8/25 L=40	42,44,4
	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.05	0.05	0.15	0.09	2d8/25 L=40	42,41,13
692	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.05	0.17	0.08	2d8/25 L=40	38,44,4
	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.09	0.05	0.20	0.14	2d8/25 L=40	38,41,25
694	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.05	0.17	0.08	2d8/25 L=40	38,41,41

	s=2,m=1	39.7	0.32	45.7	44.9	0.0	0.09	0.06	0.27	0.22	2d8/25 L=40	18,41,41
							M_T= 6	**Z=0.0**	**N=25**	**N=36**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
6	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.07	0.42	0.34	2d8/15 L=78	25,28,28
	s=2,m=1	78.5	0.32	45.7	44.9	0.0	0.05	0.05	0.33	0.26	2d8/15 L=78	25,25,25
20	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.06	0.31	0.44	2d8/25 L=109	25,25,25
	s=2,m=1	119.0	0.32	45.7	44.9	0.0	0.09	0.25	0.71	0.63	2d8/15 L=10	25,25,25
262	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.06	0.37	0.56	2d8/25 L=40	38,13,25
	s=2,m=1	40.0	0.32	45.7	44.9	0.0	0.09	0.10	0.51	0.76	2d8/25 L=40	26,13,25
268	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.10	0.10	0.13	2d8/25 L=40	26,29,3
	s=2,m=1	40.0	0.32	45.7	44.9	0.0	0.09	0.11	0.25	0.37	2d8/25 L=40	26,3,3
271	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.12	0.11	0.14	2d8/25 L=42	18,16,20
	s=2,m=1	42.0	0.32	45.7	44.9	0.0	0.09	0.12	0.18	0.25	2d8/25 L=42	18,29,25
32	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.12	0.16	0.21	2d8/25 L=38	18,16,20
	s=2,m=1	38.0	0.32	45.7	44.9	0.0	0.09	0.12	0.17	0.23	2d8/25 L=38	18,13,25
266	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.12	0.18	0.26	2d8/25 L=40	18,20,20
	s=2,m=1	40.0	0.32	45.7	44.9	0.0	0.09	0.11	0.16	0.22	2d8/25 L=40	18,13,17
270	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.12	0.20	0.28	2d8/25 L=40	18,20,20
	s=2,m=1	40.0	0.32	45.7	44.9	0.0	0.09	0.13	0.15	0.20	2d8/25 L=40	18,17,17
273	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.13	0.21	0.28	2d8/25 L=40	18,20,20
	s=2,m=1	40.0	0.32	45.7	44.9	0.0	0.09	0.14	0.13	0.16	2d8/25 L=40	18,17,17
274	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.14	0.22	0.27	2d8/25 L=40	18,44,20
	s=2,m=1	40.0	0.32	45.7	44.9	0.0	0.09	0.15	0.12	0.10	2d8/25 L=40	18,41,17
275	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.15	0.24	0.34	2d8/25 L=40	18,44,4
	s=2,m=1	40.0	0.32	45.7	44.9	0.0	0.09	0.14	0.13	0.09	2d8/25 L=40	18,44,4
276	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.15	0.43	0.61	2d8/25 L=40	18,20,16
	s=2,m=1	40.0	0.32	45.7	44.9	0.0	0.05	0.11	0.33	0.46	2d8/25 L=40	18,16,16
263	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.16	0.59	0.51	2d8/15 L=198	18,20,16
	s=2,m=1	198.0	0.32	45.7	44.9	0.0	0.09	0.17	0.69	0.58	2d8/15 L=198	13,17,13
40	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.15	0.47	0.50	2d8/25 L=40	38,37,17
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.17	0.58	0.67	2d8/25 L=40	40,37,17
264	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.19	0.42	0.56	2d8/25 L=48	38,17,17
	s=2,m=1	47.9	0.32	45.7	44.9	0.0	0.09	0.20	0.56	0.77	2d8/25 L=48	38,17,17
56	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.21	0.41	0.55	2d8/25 L=31	38,17,13
	s=2,m=1	31.3	0.32	45.7	44.9	0.0	0.09	0.23	0.50	0.69	2d8/25 L=31	18,17,13
272	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.23	0.37	0.45	2d8/25 L=40	18,20,16
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.27	0.41	0.56	2d8/25 L=40	18,17,13
269	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.27	0.36	0.44	2d8/25 L=40	18,20,20
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.28	0.28	0.32	2d8/25 L=40	18,20,16
267	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.29	0.69	0.95	2d8/25 L=40	18,20,20
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.22	0.56	0.77	2d8/25 L=40	18,20,20
265	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.34	1.00	0.95	2d8/15 L=119	13,16,16
	s=2,m=1	187.5	0.32	45.7	44.9	0.0	0.05	0.15	0.50	0.69	2d8/25 L=236	20,16,16
		374.9	0.32	45.7	44.9	0.0	0.05	0.19	0.58	0.52	2d8/15 L=19	16,13,13
48	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.18	0.57	0.52	2d8/15 L=100	16,13,13
	s=2,m=1	100.1	0.32	45.7	44.9	0.0	0.09	0.29	0.81	0.73	2d8/15 L=100	18,4,4
277	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.12	0.51	0.76	2d8/25 L=45	28,3,3
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.16	0.66	1.00	2d8/25 L=45	28,3,3
280	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.16	0.51	0.77	2d8/25 L=30	44,13,13
	s=2,m=1	29.9	0.32	45.7	44.9	0.0	0.09	0.19	0.58	0.87	2d8/25 L=30	28,13,13
60	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.17	0.48	0.70	2d8/25 L=60	44,13,13
	s=2,m=1	60.1	0.32	45.7	44.9	0.0	0.09	0.20	0.61	0.91	2d8/25 L=60	44,13,13
279	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.20	0.51	0.72	2d8/25 L=45	44,16,16
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.18	0.42	0.59	2d8/25 L=45	38,16,16
281	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.19	0.64	0.94	2d8/25 L=45	38,4,4
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.14	0.49	0.71	2d8/25 L=45	38,4,4
278	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.27	0.88	0.79	2d8/15 L=65	13,3,3
	s=2,m=1	64.5	0.32	45.7	44.9	0.0	0.09	0.14	0.72	0.62	2d8/15 L=65	13,16,16
13	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.14	0.72	0.62	2d8/15 L=55	13,16,16
	s=2,m=1	155.1	0.32	45.7	44.9	0.0	0.05	0.12	0.40	0.53	2d8/25 L=224	3,16,16
		310.3	0.32	45.7	44.9	0.0	0.05	0.20	0.44	0.38	2d8/15 L=32	16,13,13
27	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.19	0.44	0.38	2d8/15 L=87	16,13,13
	s=2,m=1	87.5	0.32	45.7	44.9	0.0	0.09	0.19	0.61	0.53	2d8/15 L=87	16,13,13
69	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.13	0.83	0.71	2d8/15 L=40	16,3,3
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.11	0.94	0.82	2d8/15 L=40	36,3,3
283	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.10	0.60	0.80	2d8/25 L=48	36,13,13
	s=2,m=1	47.9	0.32	45.7	44.9	0.0	0.09	0.16	0.69	0.94	2d8/25 L=48	36,13,13
36	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.15	0.55	0.74	2d8/25 L=31	36,13,13
	s=2,m=1	31.3	0.32	45.7	44.9	0.0	0.09	0.18	0.61	0.83	2d8/25 L=31	36,13,13
286	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.17	0.41	0.61	2d8/25 L=40	36,19,16
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.16	0.47	0.64	2d8/25 L=40	30,13,13
285	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.17	0.43	0.63	2d8/25 L=40	30,16,16
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.16	0.36	0.53	2d8/25 L=40	30,16,16
284	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.17	0.56	0.81	2d8/25 L=40	34,4,4
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.13	0.44	0.63	2d8/25 L=40	34,4,4
282	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.22	0.73	0.65	2d8/15 L=119	13,16,16
	s=2,m=1	187.5	0.32	45.7	44.9	0.0	0.05	0.12	0.32	0.47	2d8/25 L=236	16,16,16
		374.9	0.32	45.7	44.9	0.0	0.05	0.14	0.52	0.46	2d8/15 L=19	16,13,13
44	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.13	0.52	0.46	2d8/15 L=100	16,13,13
	s=2,m=1	100.1	0.32	45.7	44.9	0.0	0.09	0.27	0.82	0.75	2d8/15 L=100	14,4,4
287	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.17	0.49	0.74	2d8/25 L=45	36,4,4
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.22	0.65	0.98	2d8/25 L=45	36,4,4
290	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.22	0.38	0.56	2d8/25 L=30	36,13,13
	s=2,m=1	29.9	0.32	45.7	44.9	0.0	0.09	0.24	0.46	0.67	2d8/25 L=30	36,13,13
52	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.23	0.34	0.49	2d8/25 L=30	36,13,13
	s=2,m=1	30.0	0.32	45.7	44.9	0.0	0.09	0.24	0.41	0.61	2d8/25 L=30	32,13,13
292	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.24	0.42	0.63	2d8/25 L=30	36,16,16
	s=2,m=1	30.1	0.32	45.7	44.9	0.0	0.09	0.23	0.37	0.55	2d8/25 L=30	36,16,16
289	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.23	0.47	0.71	2d8/25 L=45	32,16,16
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.20	0.39	0.58	2d8/25 L=45	36,16,16
291	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.20	0.68	0.83	2d8/20 L=45	36,3,3
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.15	0.52	0.63	2d8/20 L=45	36,3,3
288	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.19	0.89	0.82	2d8/15 L=119	13,3,3
	s=2,m=1	187.4	0.32	45.7	44.9	0.0	0.05	0.16	0.33	0.44	2d8/25 L=223	36,16,16
		374.8	0.32	45.7	44.9	0.0	0.05	0.15	0.42	0.36	2d8/15 L=32	16,29,3
64	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.14	0.50	0.36	2d8/15 L=87	16,29,3
	s=2,m=1	87.5	0.32	45.7	44.9	0.0	0.09	0.10	0.75	0.66	2d8/15 L=87	32,29,3
							M_T= 7	**Z=0.0**	**N=4**	**N=40**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
7	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.17	0.33	0.28	2d8/25 L=38	43,16,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.14	0.31	0.30	2d8/25 L=38	43,16,37

82	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.14	0.34	0.27	2d8/25 L=38	43,16,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.11	0.32	0.26	2d8/25 L=38	43,20,40
109	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.12	0.34	0.28	2d8/25 L=38	41,16,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.09	0.32	0.26	2d8/25 L=38	41,20,40
123	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.09	0.35	0.29	2d8/25 L=38	41,16,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.07	0.33	0.28	2d8/25 L=38	41,16,40
137	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.36	0.33	2d8/25 L=38	41,16,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.04	0.35	0.31	2d8/25 L=38	41,16,40
147	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.02	0.38	0.35	2d8/25 L=31	41,16,40
	s=1,m=1	31.3	0.35	23.7	22.9	0.0	0.05	0.04	0.36	0.33	2d8/25 L=31	3,16,40
157	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.05	0.16	0.23	2d8/25 L=45	39,40,44
	s=1,m=1	45.3	0.35	23.7	22.9	0.0	0.05	0.02	0.20	0.26	2d8/25 L=45	38,37,37
167	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.16	0.23	2d8/25 L=38	43,40,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.02	0.15	0.20	2d8/25 L=38	42,37,40
175	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.15	0.22	2d8/25 L=38	44,40,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.02	0.14	0.19	2d8/25 L=38	44,40,40
183	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.16	0.23	2d8/25 L=38	44,40,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.02	0.14	0.20	2d8/25 L=38	44,40,40
191	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.19	0.26	2d8/25 L=38	44,40,20
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.16	0.23	2d8/25 L=38	3,40,20
199	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.02	0.20	0.28	2d8/25 L=22	28,20,20
	s=1,m=1	21.8	0.35	23.7	22.9	0.0	0.05	0.03	0.19	0.26	2d8/25 L=22	3,20,20
207	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.24	0.24	2d8/25 L=55	44,41,44
	s=1,m=1	54.8	0.35	23.7	22.9	0.0	0.05	0.02	0.29	0.25	2d8/25 L=55	44,41,41
213	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.20	0.20	2d8/25 L=38	44,41,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.02	0.23	0.18	2d8/25 L=38	28,41,37
219	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.15	0.19	2d8/25 L=38	44,41,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.02	0.19	0.14	2d8/25 L=38	24,41,40
225	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.15	0.18	2d8/25 L=38	41,44,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.02	0.15	0.13	2d8/25 L=38	19,41,40
231	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.15	0.18	2d8/25 L=38	41,3,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.03	0.11	0.13	2d8/25 L=38	19,41,40
237	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.15	0.17	2d8/25 L=15	41,3,40
	s=1,m=1	14.8	0.35	23.7	22.9	0.0	0.05	0.03	0.13	0.15	2d8/25 L=15	28,3,40
73	ok,ok	0.0	0.35	23.7	22.9	8.0	0.08	0.12	0.28	0.83	2d8/20 L=23	41,26,17
	s=1,m=1	23.5	0.35	23.7	22.9	8.0	0.08	0.12	0.28	0.88	2d8/20 L=23	41,26,17
103	ok,ok	0.0	0.35	23.7	22.9	12.1	0.08	0.13	0.27	0.71	2d8/15 L=38	41,3,17
	s=1,m=1	38.3	0.35	23.7	22.9	12.1	0.08	0.13	0.24	0.77	2d8/15 L=38	41,13,17
117	ok,ok	0.0	0.35	23.7	22.9	12.1	0.08	0.14	0.32	0.80	2d8/15 L=38	41,3,21
	s=1,m=1	38.3	0.35	23.7	22.9	12.1	0.08	0.14	0.29	0.85	2d8/15 L=38	41,38,17
131	ok,ok	0.0	0.35	23.7	22.9	12.1	0.08	0.15	0.37	0.92	2d8/15 L=38	41,3,21
	s=1,m=1	38.3	0.35	23.7	22.9	12.1	0.05	0.15	0.34	0.88	2d8/15 L=38	41,42,17
141	ok,ok	0.0	0.35	23.7	22.9	12.1	0.08	0.16	0.44	0.89	2d8/12 L=38	41,3,21
	s=1,m=1	38.3	0.35	23.7	22.9	12.1	0.05	0.15	0.39	0.83	2d8/12 L=38	41,3,21
151	ok,ok	0.0	0.35	23.7	22.9	12.1	0.08	0.16	0.53	0.83	2d8/10 L=38	41,3,21
	s=1,m=1	38.3	0.35	23.7	22.9	12.1	0.05	0.12	0.48	0.79	2d8/10 L=38	41,3,21
161	ok,ok	0.0	0.35	23.7	22.9	12.1	0.05	0.11	0.60	0.92	2d8/10 L=38	44,3,18
	s=1,m=1	38.3	0.35	23.7	22.9	12.1	0.05	0.12	0.55	0.88	2d8/10 L=38	44,3,18
21	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.47	0.44	0.33	2d8/25 L=54	44,44,41
	s=1,m=1	54.5	0.35	23.7	22.9	0.0	0.05	0.39	0.43	0.39	2d8/25 L=54	44,41,41
77	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.81	1.00	0.52	2d8/5 L=25	44,42,44
	s=1,m=1	120.5	0.35	23.7	22.9	0.0	0.05	0.06	1.00	0.80	2d8/8 L=95	3,39,41
14	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.06	1.00	0.50	2d8/5 L=120	3,41,41
	s=1,m=1	120.5	0.35	23.7	22.9	0.0	0.08	0.71	1.00	0.67	2d8/5 L=120	41,39,41
75	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.52	0.50	0.58	2d8/25 L=54	44,43,37
	s=1,m=1	54.5	0.35	23.7	22.9	0.0	0.08	0.58	0.55	0.67	2d8/25 L=54	44,43,37
28	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.09	0.40	0.47	2d8/25 L=38	40,13,17
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.14	0.44	0.53	2d8/25 L=38	41,13,17
260	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.11	0.29	0.34	2d8/25 L=38	39,17,37
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.11	0.33	0.40	2d8/25 L=38	39,17,37
256	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.12	0.22	0.27	2d8/25 L=38	39,25,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.11	0.26	0.33	2d8/25 L=38	39,25,41
252	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.11	0.18	0.18	2d8/25 L=38	39,25,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.10	0.22	0.25	2d8/25 L=38	39,25,41
248	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.09	0.14	0.10	2d8/25 L=38	39,21,25
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.10	0.18	0.17	2d8/25 L=38	39,25,25
244	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.08	0.10	0.06	2d8/25 L=38	39,24,21
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.09	0.15	0.13	2d8/25 L=38	39,21,21
240	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.07	0.09	0.06	2d8/25 L=38	39,28,17
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.09	0.13	0.12	2d8/25 L=38	39,25,17
234	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.09	0.09	2d8/25 L=38	39,20,37
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.08	0.12	0.14	2d8/25 L=38	39,17,37
228	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.10	0.11	2d8/25 L=38	39,40,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.07	0.12	0.16	2d8/25 L=38	39,37,37
222	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.06	0.10	0.13	2d8/25 L=38	39,40,40
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.07	0.13	0.18	2d8/25 L=38	39,37,37
216	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.11	0.14	2d8/25 L=38	39,44,37
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.06	0.14	0.19	2d8/25 L=38	39,37,37
210	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.11	0.15	2d8/25 L=38	39,37,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.14	0.20	2d8/25 L=38	39,37,37
204	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.04	0.12	0.17	2d8/25 L=38	39,41,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.15	0.21	2d8/25 L=38	39,37,37
196	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.13	0.18	2d8/25 L=38	39,41,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.04	0.15	0.22	2d8/25 L=38	39,41,41
188	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.13	0.19	2d8/25 L=38	39,41,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.03	0.16	0.22	2d8/25 L=38	39,41,41
180	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.14	0.19	2d8/25 L=38	35,41,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.02	0.16	0.23	2d8/25 L=38	35,41,41
172	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.01	0.15	0.20	2d8/25 L=38	35,41,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.02	0.17	0.24	2d8/25 L=38	35,41,41
164	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.15	0.21	2d8/25 L=38	44,41,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.02	0.18	0.24	2d8/25 L=38	28,25,41
154	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.03	0.17	0.21	2d8/25 L=38	44,25,41
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.03	0.19	0.24	2d8/25 L=38	44,25,41
144	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.18	0.22	2d8/25 L=38	44,25,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.05	0.20	0.25	2d8/25 L=38	44,25,41
134	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.08	0.20	0.25	2d8/25 L=38	44,28,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.07	0.22	0.25	2d8/25 L=38	44,25,41
120	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.10	0.24	0.30	2d8/25 L=38	44,28,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.09	0.22	0.25	2d8/25 L=38	44,25,41
106	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.13	0.29	0.37	2d8/25 L=38	44,28,44

	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.08	0.10	0.23	0.25	2d8/25 L=38	44,25,41
89	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.15	0.33	0.46	2d8/25 L=38	44,28,44
	s=1,m=1	38.3	0.35	23.7	22.9	0.0	0.05	0.14	0.26	0.33	2d8/25 L=38	44,28,44
							M_T= 8	**Z=0.0**	**N=16**	**N=24**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
39	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.14	0.75	0.62	2d8/15 L=87	17,44,28
	s=2,m=1	87.5	0.32	45.7	44.9	0.0	0.05	0.11	0.51	0.41	2d8/15 L=87	15,28,20
55	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.11	0.48	0.41	2d8/15 L=32	3,20,20
	s=2,m=1	187.4	0.32	45.7	44.9	0.0	0.05	0.18	0.37	0.51	2d8/25 L=224	20,17,17
		374.8	0.32	45.7	44.9	0.0	0.09	0.38	0.85	0.78	2d8/15 L=119	13,4,4
309	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.14	0.50	0.61	2d8/20 L=45	29,3,3
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.19	0.66	0.80	2d8/20 L=45	29,3,3
311	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.20	0.49	0.72	2d8/25 L=45	13,17,17
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.20	0.57	0.85	2d8/25 L=45	31,17,17
312	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.23	0.48	0.71	2d8/25 L=60	13,20,20
	s=2,m=1	60.1	0.32	45.7	44.9	0.0	0.09	0.23	0.52	0.78	2d8/25 L=60	13,17,17
47	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.24	0.49	0.73	2d8/25 L=30	13,20,20
	s=2,m=1	29.9	0.32	45.7	44.9	0.0	0.09	0.26	0.42	0.63	2d8/25 L=30	13,20,20
310	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.26	0.64	0.98	2d8/25 L=45	13,4,4
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.22	0.49	0.74	2d8/25 L=45	13,4,4
308	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.31	0.85	0.78	2d8/15 L=100	17,3,3
	s=2,m=1	100.1	0.32	45.7	44.9	0.0	0.09	0.11	0.55	0.49	2d8/15 L=100	15,20,20
59	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.13	0.54	0.49	2d8/15 L=19	13,20,20
	s=2,m=1	214.6	0.32	45.7	44.9	0.0	0.05	0.13	0.37	0.53	2d8/25 L=195	15,13,17
12	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.12	0.37	0.53	2d8/25 L=41	15,13,17
	s=2,m=1	160.3	0.32	45.7	44.9	0.0	0.09	0.30	0.71	0.63	2d8/15 L=119	13,13,17
303	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.10	0.42	0.61	2d8/25 L=40	35,4,4
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.13	0.54	0.79	2d8/25 L=40	35,4,4
305	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.13	0.41	0.58	2d8/25 L=40	29,13,17
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.15	0.48	0.68	2d8/25 L=40	35,13,17
306	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.15	0.42	0.61	2d8/25 L=40	29,13,20
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.15	0.49	0.68	2d8/25 L=40	31,13,17
307	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.15	0.54	0.79	2d8/25 L=31	29,19,20
	s=2,m=1	31.3	0.32	45.7	44.9	0.0	0.09	0.15	0.48	0.70	2d8/25 L=31	29,19,20
26	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.15	0.62	0.90	2d8/25 L=48	29,19,20
	s=2,m=1	47.9	0.32	45.7	44.9	0.0	0.09	0.14	0.53	0.76	2d8/25 L=48	13,19,20
304	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.15	0.94	0.83	2d8/15 L=40	13,3,3
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.05	0.08	0.83	0.72	2d8/15 L=40	15,3,3
68	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.19	0.67	0.57	2d8/15 L=87	13,16,20
	s=2,m=1	87.5	0.32	45.7	44.9	0.0	0.05	0.17	0.50	0.41	2d8/15 L=87	15,16,20
35	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.16	0.50	0.41	2d8/15 L=32	15,16,20
	s=2,m=1	187.4	0.32	45.7	44.9	0.0	0.05	0.11	0.40	0.59	2d8/25 L=224	3,14,17
		374.8	0.32	45.7	44.9	0.0	0.09	0.32	0.83	0.75	2d8/15 L=119	13,4,3
298	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.16	0.48	0.71	2d8/25 L=45	35,4,4
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.21	0.63	0.94	2d8/25 L=45	35,4,4
302	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.21	0.39	0.59	2d8/25 L=45	29,17,17
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.22	0.48	0.73	2d8/25 L=45	35,17,17
301	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.22	0.50	0.75	2d8/25 L=60	29,20,20
	s=2,m=1	60.1	0.32	45.7	44.9	0.0	0.09	0.22	0.43	0.65	2d8/25 L=60	29,17,17
43	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.22	0.50	0.74	2d8/25 L=30	29,20,20
	s=2,m=1	29.9	0.32	45.7	44.9	0.0	0.09	0.21	0.44	0.65	2d8/25 L=30	29,20,20
300	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.22	0.67	0.81	2d8/20 L=45	29,3,3
	s=2,m=1	45.0	0.32	45.7	44.9	0.0	0.09	0.16	0.52	0.62	2d8/20 L=45	29,3,3
299	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.25	0.86	0.79	2d8/15 L=100	13,3,3
	s=2,m=1	100.1	0.32	45.7	44.9	0.0	0.05	0.13	0.61	0.54	2d8/15 L=100	15,20,20
51	ok,ok	0.0	0.32	45.7	44.9	0.0	0.05	0.12	0.62	0.54	2d8/15 L=19	15,16,20
	s=2,m=1	187.5	0.32	45.7	44.9	0.0	0.05	0.17	0.33	0.47	2d8/25 L=236	15,13,17
		374.9	0.32	45.7	44.9	0.0	0.09	0.25	0.72	0.66	2d8/15 L=119	13,3,3
293	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.14	0.41	0.53	2d8/25 L=40	35,29,13
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.17	0.51	0.73	2d8/25 L=40	35,29,3
295	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.17	0.18	0.15	2d8/25 L=40	35,29,13
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.18	0.28	0.32	2d8/25 L=40	35,29,17
296	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.18	0.34	0.40	2d8/25 L=40	35,32,16
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.09	0.18	0.25	0.28	2d8/25 L=40	35,16,20
297	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.17	0.41	0.49	2d8/25 L=31	35,32,20
	s=2,m=1	31.3	0.32	45.7	44.9	0.0	0.09	0.16	0.33	0.39	2d8/25 L=31	35,16,20
63	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.16	0.49	0.54	2d8/25 L=48	35,32,16
	s=2,m=1	47.9	0.32	45.7	44.9	0.0	0.05	0.14	0.38	0.40	2d8/25 L=48	35,32,16
294	ok,ok	0.0	0.32	45.7	44.9	0.0	0.09	0.13	0.54	0.48	2d8/25 L=40	35,32,16
	s=2,m=1	39.6	0.32	45.7	44.9	0.0	0.05	0.11	0.45	0.37	2d8/25 L=40	35,32,16
							M_T= 9	**Z=0.0**	**N=60**	**N=61**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
67	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.23	0.56	0.50	2d8/15 L=119	33,3,3
	s=1,m=1	459.0	0.35	23.7	22.9	0.0	0.05	0.39	0.10	0.12	2d8/25 L=679	3,29,29
		918.0	0.35	23.7	22.9	0.0	0.08	0.31	0.48	0.43	2d8/15 L=119	4,3,3
70	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.26	0.31	0.19	2d8/15 L=119	33,32,4
	s=1,m=1	175.0	0.35	23.7	22.9	0.0	0.08	0.13	0.18	0.13	2d8/25 L=111	4,32,36
		350.0	0.35	23.7	22.9	0.0	0.08	0.25	0.27	0.19	2d8/15 L=119	33,29,33
71	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.32	0.48	0.43	2d8/15 L=119	4,3,3
	s=1,m=1	459.0	0.35	23.7	22.9	0.0	0.05	0.40	0.10	0.12	2d8/25 L=679	3,34,36
		918.0	0.35	23.7	22.9	0.0	0.08	0.20	0.56	0.51	2d8/15 L=119	33,3,3
							M_T= 10	**Z=0.0**	**N=1345**	**N=2947**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
318	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.07	0.20	0.17	2d8/25 L=40	19,28,3
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.05	0.19	0.15	2d8/25 L=40	19,28,28
336	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.19	0.19	2d8/25 L=40	19,16,3
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.03	0.15	0.12	2d8/25 L=40	19,16,3
333	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.03	0.20	0.19	2d8/25 L=40	19,16,3
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.04	0.16	0.13	2d8/25 L=40	19,16,3
329	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.02	0.19	0.19	2d8/25 L=40	19,20,3
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.05	0.16	0.12	2d8/25 L=40	19,19,3
325	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.15	0.12	2d8/25 L=40	19,18,3
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.05	0.12	0.05	2d8/25 L=40	3,14,3
322	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.16	0.17	0.08	2d8/15 L=222	16,16,16
	s=1,m=1	222.5	0.35	23.7	22.9	0.0	0.08	0.08	0.30	0.25	2d8/15 L=222	13,17,41
							M_T= 11	**Z=0.0**	**N=2949**	**N=2961**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
319	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.02	0.20	0.16	2d8/25 L=50	41,20,16
	s=1,m=1	50.0	0.35	23.7	22.9	0.0	0.05	0.02	0.16	0.10	2d8/25 L=50	41,20,16
326	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.02	0.14	0.07	2d8/25 L=40	41,15,16
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.02	0.11	0.04	2d8/25 L=40	41,20,17

338	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.03	0.11	0.04	2d8/25 L=40	41,15,44
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.02	0.11	0.06	2d8/25 L=40	41,19,41
335	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.03	0.11	0.07	2d8/25 L=40	41,20,44
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.02	0.11	0.10	2d8/25 L=40	41,19,41
331	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.03	0.15	0.15	2d8/25 L=50	41,28,28
	s=1,m=1	50.0	0.35	23.7	22.9	0.0	0.08	0.03	0.17	0.21	2d8/25 L=50	41,25,41
							M_T= 12	**Z=0.0**	**N=1405**	**N=2959**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
320	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.04	0.29	0.30	2d8/25 L=40	41,41,41
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.08	0.05	0.31	0.33	2d8/25 L=40	41,41,41
337	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.24	0.20	2d8/25 L=40	41,44,44
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.08	0.08	0.21	0.20	2d8/25 L=40	41,44,41
334	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.08	0.24	0.21	2d8/25 L=40	41,44,44
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.08	0.09	0.20	0.16	2d8/25 L=40	41,44,44
330	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.09	0.22	0.21	2d8/25 L=40	41,28,44
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.11	0.19	0.16	2d8/25 L=40	41,44,44
327	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.11	0.15	0.12	2d8/25 L=40	41,28,44
	s=1,m=1	40.0	0.35	23.7	22.9	0.0	0.05	0.10	0.12	0.07	2d8/25 L=40	41,28,44
323	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.22	0.21	0.17	2d8/15 L=222	28,28,28
	s=1,m=1	222.5	0.35	23.7	22.9	0.0	0.08	0.09	0.33	0.28	2d8/15 L=222	41,41,41
							M_T= 13	**Z=0.0**	**N=167**	**N=3130**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
324	ok,ok	0.0	0.35	23.7	22.9	0.0	0.08	0.05	0.34	0.26	2d8/15 L=222	31,20,44
	s=1,m=1	222.5	0.35	23.7	22.9	0.0	0.05	0.14	0.19	0.05	2d8/15 L=222	3,20,20
321	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.11	0.15	0.17	2d8/25 L=50	3,25,41
	s=1,m=1	50.0	0.35	23.7	22.9	0.0	0.05	0.10	0.16	0.19	2d8/25 L=50	3,25,41
328	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.10	0.10	0.05	2d8/15 L=120	3,44,41
	s=1,m=1	120.0	0.35	23.7	22.9	0.0	0.05	0.11	0.14	0.12	2d8/15 L=120	41,3,3
332	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.12	0.16	0.22	2d8/25 L=50	41,41,41
	s=1,m=1	50.0	0.35	23.7	22.9	0.0	0.05	0.16	0.19	0.25	2d8/25 L=50	41,41,41
397	ok,ok	0.0	0.35	23.7	22.9	0.0	0.05	0.24	0.26	0.17	2d8/15 L=222	41,44,44
	s=1,m=1	222.5	0.35	23.7	22.9	0.0	0.08	0.16	0.29	0.24	2d8/15 L=222	41,41,41
							M_T= 15	**Z=380.0**	**N=70**	**N=106**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
340	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.06	0.02	2d8/25 L=38	39,20,13
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.05	0.03	2d8/25 L=38	15,15,13
391	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.05	0.02	2d8/25 L=38	15,15,14
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.30e-03	0.05	0.02	2d8/25 L=38	15,15,15
439	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.28e-03	0.04	8.11e-03	2d8/25 L=38	15,15,14
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	1.57e-03	0.04	9.19e-03	2d8/25 L=38	39,15,15
469	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.56e-03	0.03	5.72e-03	2d8/25 L=38	39,15,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.63e-03	0.03	4.45e-03	2d8/25 L=38	41,15,16
498	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.59e-03	0.03	0.01	2d8/25 L=38	41,15,43
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	9.39e-03	0.02	4.86e-03	2d8/25 L=38	41,14,42
522	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	9.26e-03	0.03	0.03	2d8/25 L=38	41,19,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.03	0.03	2d8/25 L=38	39,19,39
544	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.05	0.07	2d8/25 L=38	39,39,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.09	0.04	0.06	2d8/25 L=38	39,39,39
564	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.09	0.05	0.07	2d8/25 L=38	39,39,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.06	0.08	2d8/25 L=38	41,39,39
577	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.03	0.03	2d8/25 L=38	41,41,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.20e-03	0.03	0.04	2d8/25 L=38	28,41,39
590	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.19e-03	0.04	0.03	2d8/25 L=38	28,41,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.04	0.04	2d8/25 L=38	39,41,39
602	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.05	0.06	2d8/25 L=38	39,43,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.10	0.05	0.07	2d8/25 L=38	39,43,39
610	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.11	0.05	0.07	2d8/25 L=38	39,39,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.05	0.06	2d8/25 L=38	39,39,39
618	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.04	0.03	2d8/25 L=38	39,19,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	9.50e-03	0.03	0.02	2d8/25 L=38	39,19,39
624	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	9.19e-03	0.04	0.01	2d8/25 L=38	39,19,43
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.43e-03	0.03	7.02e-03	2d8/25 L=38	3,19,42
630	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.40e-03	0.05	5.16e-03	2d8/25 L=38	3,19,41
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.33e-03	0.05	6.27e-03	2d8/25 L=38	28,19,44
636	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.33e-03	0.08	6.01e-03	2d8/25 L=38	28,19,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.90e-03	0.08	5.18e-03	2d8/25 L=38	28,19,19
642	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	6.89e-03	0.23	0.84	2d8/25 L=38	28,24,19
	s=3,m=1	38.3	0.45	4.0	4.0	4.0	0.14	0.06	0.23	0.82	2d8/25 L=38	44,24,19
648	ok,ok	0.0	0.37	10.3	11.2	4.0	0.08	9.28e-03	0.21	0.91	2d8/25 L=15	44,24,19
	s=4,m=1	14.8	0.37	10.3	11.2	4.0	0.08	0.02	0.21	0.90	2d8/25 L=15	44,24,19
370	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.04	0.31	0.90	2d8/20 L=23	39,19,19
	s=3,m=1	23.5	0.45	4.0	4.0	4.0	0.14	0.04	0.31	0.91	2d8/20 L=23	39,19,19
405	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.16	0.05	2d8/25 L=38	39,19,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	9.61e-03	0.17	0.06	2d8/25 L=38	19,19,39
446	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	9.63e-03	0.07	7.32e-03	2d8/25 L=38	19,19,19
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.33e-03	0.07	4.97e-03	2d8/25 L=38	19,19,18
472	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.33e-03	0.05	7.22e-03	2d8/25 L=38	19,19,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.19e-03	0.04	3.46e-03	2d8/25 L=38	39,19,18
500	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.18e-03	0.03	5.59e-03	2d8/25 L=38	39,19,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.21e-03	0.03	4.47e-03	2d8/25 L=38	19,19,2
524	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.20e-03	0.02	7.38e-03	2d8/25 L=38	19,39,41
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.07e-03	0.02	9.01e-03	2d8/25 L=38	44,23,44
546	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.27e-03	0.03	0.02	2d8/25 L=38	44,41,44
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.03	0.03	2d8/25 L=38	44,44,44
356	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.08	0.11	2d8/25 L=54	44,44,44
	s=3,m=1	54.5	0.45	4.0	4.0	0.0	0.14	0.22	0.09	0.12	2d8/25 L=54	44,44,44
424	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.27	0.09	0.09	2d8/25 L=40	44,44,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.14	0.08	0.09	2d8/25 L=40	44,44,44
1058	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.11	0.06	0.05	2d8/25 L=40	44,28,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.05	0.06	0.05	2d8/25 L=40	44,28,44
1059	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.06	0.05	2d8/25 L=40	44,28,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	3.74e-03	0.05	0.04	2d8/25 L=40	25,28,44
1060	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.71e-03	0.05	0.05	2d8/25 L=40	25,24,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.04	0.04	0.04	2d8/25 L=40	44,24,44
1061	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.06	0.04	2d8/25 L=40	41,20,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.08	0.05	0.04	2d8/25 L=40	41,20,41
783	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.09	0.12	0.13	2d8/25 L=40	41,28,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.17	0.11	0.12	2d8/25 L=40	41,28,44
441	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.16	0.24	0.87	2d8/25 L=54	44,44,28
	s=3,m=1	54.5	0.45	4.0	4.0	4.0	0.14	0.05	0.25	0.90	2d8/25 L=54	4,44,28
380	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.06	0.27	0.97	2d8/25 L=38	4,28,28

	s=3,m=1	38.3	0.45	4.0	4.0	4.0	0.14	0.04	0.27	0.99	2d8/25 L=38	4,28,28
671	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.13	0.05	2d8/25 L=38	4,28,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	8.41e-03	0.13	0.06	2d8/25 L=38	19,28,4
667	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.42e-03	0.07	7.06e-03	2d8/25 L=38	19,24,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	7.06e-03	0.06	7.27e-03	2d8/25 L=38	3,28,38
663	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.03e-03	0.04	7.25e-03	2d8/25 L=38	3,24,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.94e-03	0.04	3.44e-03	2d8/25 L=38	28,24,1
659	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.95e-03	0.03	6.23e-03	2d8/25 L=38	28,24,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.77e-03	0.03	4.08e-03	2d8/25 L=38	24,24,1
655	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.77e-03	0.02	5.67e-03	2d8/25 L=38	24,24,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.16e-03	0.02	4.43e-03	2d8/25 L=38	23,24,1
651	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.19e-03	0.02	5.42e-03	2d8/25 L=38	23,23,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.80e-03	0.01	4.59e-03	2d8/25 L=38	23,23,2
645	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.79e-03	0.01	5.30e-03	2d8/25 L=38	23,23,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.57e-03	0.01	4.68e-03	2d8/25 L=38	15,23,2
639	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.57e-03	8.17e-03	5.22e-03	2d8/25 L=38	15,35,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.48e-03	8.06e-03	4.74e-03	2d8/25 L=38	19,35,2
633	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.49e-03	9.88e-03	5.15e-03	2d8/25 L=38	19,32,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.42e-03	9.62e-03	4.79e-03	2d8/25 L=38	19,32,2
627	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.42e-03	0.01	5.10e-03	2d8/25 L=38	19,16,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.36e-03	0.01	4.83e-03	2d8/25 L=38	19,16,2
621	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.36e-03	0.01	5.07e-03	2d8/25 L=38	19,16,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.31e-03	0.01	4.87e-03	2d8/25 L=38	19,16,4
613	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.32e-03	0.01	5.04e-03	2d8/25 L=38	39,16,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.29e-03	0.01	4.89e-03	2d8/25 L=38	39,16,4
605	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.26e-03	0.02	5.03e-03	2d8/25 L=38	19,28,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.22e-03	0.02	4.91e-03	2d8/25 L=38	19,28,4
595	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.25e-03	0.02	5.03e-03	2d8/25 L=38	39,28,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.23e-03	0.02	4.91e-03	2d8/25 L=38	39,28,4
582	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.23e-03	0.02	5.03e-03	2d8/25 L=38	39,16,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.20e-03	0.02	4.90e-03	2d8/25 L=38	39,16,4
569	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.21e-03	0.02	5.05e-03	2d8/25 L=38	39,24,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.15e-03	0.02	4.88e-03	2d8/25 L=38	39,24,2
551	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.16e-03	0.02	5.09e-03	2d8/25 L=38	39,24,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.07e-03	0.02	4.85e-03	2d8/25 L=38	39,24,2
530	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.07e-03	0.02	5.16e-03	2d8/25 L=38	39,24,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	1.90e-03	0.02	4.80e-03	2d8/25 L=38	39,24,2
508	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.90e-03	0.03	5.26e-03	2d8/25 L=38	39,24,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	1.60e-03	0.03	4.73e-03	2d8/25 L=38	39,24,2
482	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.61e-03	0.03	5.40e-03	2d8/25 L=38	39,24,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	1.14e-03	0.03	4.64e-03	2d8/25 L=38	41,24,2
457	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.14e-03	0.04	6.02e-03	2d8/25 L=38	41,24,23
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.47e-03	0.03	5.15e-03	2d8/25 L=38	24,24,22
432	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.47e-03	0.04	0.01	2d8/25 L=38	24,24,24
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.04	7.89e-03	2d8/25 L=38	24,24,21
412	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.08	0.05	2d8/25 L=38	24,28,28
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.05	0.08	0.04	2d8/25 L=38	28,28,28
							M_T= 16	**Z=380.0**	**N=81**	**N=117**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
342	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.17	0.06	2d8/25 L=38	34,3,18
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.07	0.16	0.05	2d8/25 L=38	29,3,18
372	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.07	0.13	0.05	2d8/25 L=38	29,29,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.13	0.06	2d8/25 L=38	29,29,29
406	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.08	0.02	2d8/25 L=38	29,29,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	8.16e-03	0.08	0.02	2d8/25 L=38	29,29,29
447	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.19e-03	0.06	4.42e-03	2d8/25 L=38	29,13,32
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.34e-03	0.07	0.01	2d8/25 L=38	35,13,29
473	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.37e-03	0.04	3.67e-03	2d8/25 L=38	35,13,32
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	1.39e-03	0.04	6.94e-03	2d8/25 L=38	30,13,3
501	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.39e-03	0.03	4.41e-03	2d8/25 L=38	30,13,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	1.79e-03	0.03	5.73e-03	2d8/25 L=38	14,13,3
525	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.79e-03	0.02	4.75e-03	2d8/25 L=38	14,18,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.03e-03	0.02	5.24e-03	2d8/25 L=38	30,18,3
547	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.02e-03	0.02	4.89e-03	2d8/25 L=38	30,30,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.19e-03	0.02	5.06e-03	2d8/25 L=38	30,30,3
566	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.20e-03	0.04	4.94e-03	2d8/25 L=38	30,35,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.29e-03	0.04	5.00e-03	2d8/25 L=38	30,35,1
579	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.22e-03	0.06	4.95e-03	2d8/25 L=38	30,29,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.26e-03	0.06	4.98e-03	2d8/25 L=38	30,29,1
592	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.35e-03	0.03	4.95e-03	2d8/25 L=38	34,34,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.34e-03	0.03	4.99e-03	2d8/25 L=38	34,34,1
604	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.33e-03	0.05	4.94e-03	2d8/25 L=38	34,31,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.28e-03	0.05	5.00e-03	2d8/25 L=38	34,31,1
612	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.26e-03	0.03	4.93e-03	2d8/25 L=38	34,34,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.17e-03	0.03	5.01e-03	2d8/25 L=38	30,34,1
620	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.21e-03	0.04	4.92e-03	2d8/25 L=38	30,35,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.08e-03	0.04	5.01e-03	2d8/25 L=38	30,35,3
626	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.09e-03	0.03	4.92e-03	2d8/25 L=38	3,35,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.14e-03	0.03	5.01e-03	2d8/25 L=38	3,35,3
632	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.14e-03	0.02	4.93e-03	2d8/25 L=38	3,29,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.18e-03	0.02	5.00e-03	2d8/25 L=38	3,29,3
638	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.18e-03	0.02	4.97e-03	2d8/25 L=38	3,29,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.38e-03	0.02	4.97e-03	2d8/25 L=38	13,29,4
644	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.38e-03	0.02	5.03e-03	2d8/25 L=38	13,29,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.71e-03	0.02	4.90e-03	2d8/25 L=38	13,29,2
650	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.71e-03	0.02	5.16e-03	2d8/25 L=38	13,13,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.05e-03	0.02	4.80e-03	2d8/25 L=38	29,13,2
654	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.06e-03	0.01	5.38e-03	2d8/25 L=38	29,14,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.49e-03	0.01	4.63e-03	2d8/25 L=38	29,14,2
658	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.51e-03	0.02	5.67e-03	2d8/25 L=38	29,18,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.50e-03	0.02	4.44e-03	2d8/25 L=38	29,18,2
662	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.46e-03	0.02	5.81e-03	2d8/25 L=38	29,38,35
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.39e-03	0.02	5.39e-03	2d8/25 L=38	13,38,34
666	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.38e-03	0.04	0.02	2d8/25 L=38	13,30,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.04	0.03	2d8/25 L=38	32,30,32
670	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.17	0.19	2d8/25 L=38	32,32,32
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.24	0.17	0.20	2d8/25 L=38	32,32,32
358	ok,ok	0.0	0.33	7.2	7.2	0.0	0.06	0.18	0.20	0.23	2d8/25 L=54	32,36,36
	s=8,m=1	54.5	0.33	7.2	7.2	0.0	0.06	0.42	0.21	0.24	2d8/25 L=54	32,36,36
425	ok,ok	0.0	0.48	7.2	10.3	0.0	0.08	0.29	0.15	0.15	2d8/25 L=40	32,30,32
	s=8,m=1	40.2	0.33	7.2	7.2	0.0	0.06	0.37	0.14	0.15	2d8/25 L=40	32,30,32

1147	ok,ok	0.0	0.33	7.2	7.2	0.0	0.06	0.29	0.17	0.21	2d8/25 L=40	32,30,32
	s=8,m=1	40.2	0.33	7.2	7.2	0.0	0.06	0.15	0.17	0.20	2d8/25 L=40	32,29,32
1148	ok,ok	0.0	0.33	7.2	7.2	0.0	0.06	0.12	0.19	0.24	2d8/25 L=40	36,29,32
	s=8,m=1	40.2	0.33	7.2	7.2	0.0	0.06	0.01	0.20	0.23	2d8/25 L=40	29,29,32
398	ok,ok	0.0	0.33	7.2	7.2	0.0	0.06	0.01	0.20	0.23	2d8/25 L=40	29,29,32
	s=8,m=1	40.2	0.33	7.2	7.2	0.0	0.06	0.14	0.20	0.23	2d8/25 L=40	29,29,29
1145	ok,ok	0.0	0.33	7.2	7.2	0.0	0.06	0.17	0.19	0.21	2d8/25 L=40	29,29,29
	s=8,m=1	40.2	0.33	7.2	7.2	0.0	0.06	0.32	0.19	0.22	2d8/25 L=40	29,29,29
1146	ok,ok	0.0	0.33	7.2	7.2	0.0	0.06	0.40	0.19	0.20	2d8/25 L=40	29,30,36
	s=8,m=1	40.2	0.48	7.2	10.3	0.0	0.08	0.32	0.19	0.19	2d8/25 L=40	29,30,36
442	ok,ok	0.0	0.33	7.2	7.2	4.0	0.06	0.47	0.29	0.84	2d8/20 L=54	33,29,13
	s=8,m=1	54.5	0.33	7.2	7.2	4.0	0.06	0.26	0.29	0.82	2d8/20 L=54	33,29,13
382	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.07	0.34	0.74	2d8/15 L=38	4,21,21
	s=3,m=1	38.3	0.45	4.0	4.0	4.0	0.14	0.06	0.34	0.75	2d8/15 L=38	36,21,21
672	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.06	0.16	0.06	2d8/25 L=38	36,22,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.17	0.07	2d8/25 L=38	3,4,34
668	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.09	0.01	2d8/25 L=38	3,21,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.09	0.01	2d8/25 L=38	3,21,32
664	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.06	7.97e-03	2d8/25 L=38	3,21,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	7.64e-03	0.06	2.90e-03	2d8/25 L=38	34,21,1
660	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.62e-03	0.05	6.53e-03	2d8/25 L=38	34,21,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.90e-03	0.05	3.83e-03	2d8/25 L=38	34,21,1
656	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.83e-03	0.04	5.86e-03	2d8/25 L=38	34,22,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.96e-03	0.04	4.27e-03	2d8/25 L=38	3,25,1
652	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.00e-03	0.03	5.60e-03	2d8/25 L=38	3,22,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.39e-03	0.03	4.44e-03	2d8/25 L=38	3,22,2
646	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.36e-03	0.02	5.48e-03	2d8/25 L=38	3,34,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.87e-03	0.02	4.53e-03	2d8/25 L=38	3,34,2
640	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.85e-03	0.02	5.40e-03	2d8/25 L=38	3,34,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.44e-03	0.02	4.59e-03	2d8/25 L=38	3,34,2
634	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.43e-03	0.02	5.33e-03	2d8/25 L=38	3,36,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.08e-03	0.02	4.65e-03	2d8/25 L=38	3,36,2
628	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.07e-03	0.02	5.27e-03	2d8/25 L=38	3,32,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.79e-03	0.02	4.71e-03	2d8/25 L=38	3,32,2
622	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.78e-03	0.02	5.21e-03	2d8/25 L=38	3,32,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.55e-03	0.02	4.76e-03	2d8/25 L=38	3,32,2
614	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.56e-03	0.02	5.15e-03	2d8/25 L=38	3,32,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.52e-03	0.02	4.80e-03	2d8/25 L=38	29,32,2
606	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.52e-03	0.02	5.10e-03	2d8/25 L=38	29,32,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.47e-03	0.02	4.84e-03	2d8/25 L=38	29,32,2
596	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.47e-03	0.02	5.07e-03	2d8/25 L=38	29,29,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.37e-03	0.02	4.87e-03	2d8/25 L=38	29,29,2
583	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.38e-03	0.02	5.06e-03	2d8/25 L=38	29,13,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.23e-03	0.02	4.88e-03	2d8/25 L=38	29,13,2
570	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.24e-03	0.02	5.11e-03	2d8/25 L=38	29,13,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.03e-03	0.02	4.84e-03	2d8/25 L=38	13,13,2
552	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.03e-03	0.03	5.28e-03	2d8/25 L=38	13,22,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	1.81e-03	0.03	4.72e-03	2d8/25 L=38	13,22,2
531	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.76e-03	0.05	5.74e-03	2d8/25 L=38	13,34,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	1.28e-03	0.05	4.40e-03	2d8/25 L=38	29,34,2
509	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.33e-03	0.06	6.92e-03	2d8/25 L=38	29,34,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.28e-03	0.05	3.71e-03	2d8/25 L=38	32,34,35
483	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.28e-03	0.06	0.01	2d8/25 L=38	32,22,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	8.26e-03	0.05	4.58e-03	2d8/25 L=38	34,22,35
458	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.24e-03	0.09	0.02	2d8/25 L=38	34,34,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.08	0.02	2d8/25 L=38	34,34,34
434	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.13	0.05	2d8/25 L=38	34,34,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.07	0.12	0.05	2d8/25 L=38	34,34,34
414	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.07	0.17	0.05	2d8/25 L=38	34,3,22
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.17	0.06	2d8/25 L=38	35,3,22
							M_T= 17	**Z=380.0**	**N=133**	**N=134**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
343	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.14	0.30	0.23	2d8/12 L=78	19,4,4
	s=4,m=1	78.5	0.37	10.3	11.2	0.0	0.06	0.20	0.19	0.13	2d8/12 L=78	3,19,19
359	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.20	0.17	0.12	2d8/12 L=7	3,19,19
	s=4,m=1	120.5	0.37	10.3	11.2	0.0	0.06	0.24	0.17	0.24	2d8/25 L=147	19,18,18
		241.0	0.37	10.3	11.2	0.0	0.08	0.35	0.37	0.28	2d8/12 L=86	18,3,3
383	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.35	0.19	0.29	2d8/25 L=53	18,18,18
	s=4,m=1	53.5	0.37	10.3	11.2	0.0	0.08	0.24	0.20	0.29	2d8/25 L=53	18,19,19
415	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.08	0.09	0.07	2d8/25 L=26	18,20,19
	s=4,m=1	25.8	0.37	10.3	11.2	0.0	0.08	0.07	0.10	0.09	2d8/25 L=26	3,20,19
675	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.07	0.10	0.13	2d8/25 L=40	3,38,18
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	0.05	0.08	0.10	2d8/25 L=40	3,38,18
677	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.05	0.06	0.08	2d8/25 L=40	3,38,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	0.03	0.04	0.04	2d8/25 L=40	3,38,18
679	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.03	0.04	0.06	2d8/25 L=40	3,38,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	0.02	0.02	6.88e-03	2d8/25 L=40	15,38,3
681	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.02	0.03	0.04	2d8/25 L=40	15,3,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	0.01	0.01	0.01	2d8/25 L=40	16,18,18
683	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.01	0.02	0.03	2d8/25 L=40	16,28,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	8.61e-03	0.02	0.02	2d8/25 L=40	20,25,18
685	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	8.49e-03	0.03	0.03	2d8/25 L=40	20,41,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	5.29e-03	0.02	0.02	2d8/25 L=40	28,41,18
687	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	5.23e-03	0.03	0.03	2d8/25 L=40	28,41,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	2.94e-03	0.03	0.02	2d8/25 L=40	44,41,4
689	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	2.91e-03	0.04	0.03	2d8/25 L=40	44,41,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	1.48e-03	0.04	0.02	2d8/25 L=40	39,41,4
691	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	1.48e-03	0.05	0.03	2d8/25 L=40	39,41,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	5.79e-03	0.05	0.02	2d8/25 L=40	16,41,25
693	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	5.74e-03	0.09	0.04	2d8/25 L=40	16,41,16
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	0.02	0.09	0.03	2d8/25 L=40	16,41,13
							M_T= 18	**Z=380.0**	**N=182**	**N=3127**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
344	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.19	0.04	9.45e-03	2d8/5 L=50	3,14,3
	s=3,m=1	111.3	0.45	4.0	4.0	0.0	0.14	0.02	0.06	0.08	2d8/25 L=122	3,14,3
		222.5	0.45	4.0	4.0	0.0	0.14	0.22	0.07	0.02	2d8/5 L=50	3,14,3
345	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.13	0.11	0.14	2d8/25 L=50	3,25,25
	s=3,m=1	50.0	0.45	4.0	4.0	0.0	0.14	0.07	0.10	0.13	2d8/25 L=50	25,25,25
360	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.07	0.03	8.06e-03	2d8/5 L=120	25,25,25
	s=3,m=1	120.0	0.45	4.0	4.0	0.0	0.14	0.08	0.05	0.01	2d8/5 L=120	25,25,25
384	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.08	0.08	0.11	2d8/25 L=50	25,44,44

	s=3,m=1	50.0	0.45	4.0	4.0	0.0	0.14	0.12	0.09	0.12	2d8/25 L=50	44,44,44
346	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.23	0.07	0.02	2d8/5 L=50	44,44,44
	s=3,m=1	111.3	0.45	4.0	4.0	0.0	0.14	0.02	0.06	0.08	2d8/25 L=122	44,44,44
		222.5	0.45	4.0	4.0	0.0	0.14	0.21	0.05	0.01	2d8/5 L=50	44,41,41
							M_T= 19	**Z=380.0**	**N=2960**	**N=2962**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
347	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.78e-03	0.08	6.86e-03	2d8/25 L=40	4,44,28
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	8.16e-03	0.09	0.01	2d8/25 L=40	28,44,28
421	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.13e-03	0.02	9.95e-03	2d8/25 L=40	28,24,28
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	2.25e-03	0.01	6.35e-03	2d8/25 L=40	28,41,25
392	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.25e-03	0.01	6.81e-03	2d8/25 L=40	28,25,44
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	1.31e-03	0.01	5.05e-03	2d8/25 L=40	41,25,41
373	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.31e-03	0.01	6.89e-03	2d8/25 L=40	41,41,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	2.30e-03	0.01	3.82e-03	2d8/25 L=40	28,25,2
361	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.29e-03	0.02	0.01	2d8/25 L=40	28,41,39
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	9.35e-03	0.02	5.49e-03	2d8/25 L=40	19,41,39
							M_T= 20	**Z=380.0**	**N=2950**	**N=2962**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
348	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.02	0.01	2d8/25 L=50	41,28,44
	s=3,m=1	50.0	0.45	4.0	4.0	0.0	0.14	2.93e-03	0.02	0.01	2d8/25 L=50	16,25,41
362	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.92e-03	9.56e-03	4.79e-03	2d8/25 L=40	16,28,4
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	2.81e-03	0.01	5.65e-03	2d8/25 L=40	16,25,1
426	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.81e-03	0.01	4.85e-03	2d8/25 L=40	16,28,2
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	2.68e-03	0.01	5.58e-03	2d8/25 L=40	20,25,3
399	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.68e-03	0.01	4.46e-03	2d8/25 L=40	20,28,2
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	2.47e-03	0.01	6.05e-03	2d8/25 L=40	28,25,3
385	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.47e-03	0.01	4.44e-03	2d8/25 L=50	28,41,38
	s=3,m=1	50.0	0.45	4.0	4.0	0.0	0.14	0.01	0.02	0.01	2d8/25 L=50	39,41,39
							M_T= 21	**Z=380.0**	**N=2948**	**N=2950**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
349	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.08	7.75e-03	2d8/25 L=40	3,3,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	3.55e-03	0.09	0.02	2d8/25 L=40	36,3,3
422	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.54e-03	0.02	5.74e-03	2d8/25 L=40	36,28,32
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	2.08e-03	0.01	6.10e-03	2d8/25 L=40	42,28,29
393	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.08e-03	0.01	7.56e-03	2d8/25 L=40	42,28,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	1.85e-03	9.13e-03	3.30e-03	2d8/25 L=40	41,28,2
374	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	1.85e-03	0.01	6.05e-03	2d8/25 L=40	41,25,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	2.01e-03	0.01	4.60e-03	2d8/25 L=40	19,25,25
363	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.00e-03	0.02	0.01	2d8/25 L=40	19,41,44
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	8.89e-03	0.02	0.01	2d8/25 L=40	25,41,41
							M_T= 22	**Z=380.0**	**N=73**	**N=109**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
350	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.10	0.11	0.09	2d8/25 L=38	41,3,33
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.12	0.10	2d8/25 L=38	19,3,33
394	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.05	0.01	2d8/25 L=38	19,19,19
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.22e-03	0.05	0.02	2d8/25 L=38	19,19,19
440	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.28e-03	0.04	5.12e-03	2d8/25 L=38	19,15,14
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.05e-03	0.04	8.29e-03	2d8/25 L=38	18,15,15
470	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.05e-03	0.03	4.37e-03	2d8/25 L=38	18,16,13
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.10e-03	0.04	5.76e-03	2d8/25 L=38	38,16,3
499	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.10e-03	0.03	4.56e-03	2d8/25 L=38	38,19,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.23e-03	0.03	5.46e-03	2d8/25 L=38	38,19,3
523	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.20e-03	0.03	3.81e-03	2d8/25 L=31	38,19,2
	s=3,m=1	31.3	0.45	4.0	4.0	0.0	0.14	3.24e-03	0.03	4.36e-03	2d8/25 L=31	38,19,3
545	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.28e-03	0.02	5.68e-03	2d8/25 L=45	38,16,2
	s=3,m=1	45.3	0.45	4.0	4.0	0.0	0.14	3.35e-03	0.02	6.10e-03	2d8/25 L=45	42,16,3
565	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.34e-03	0.01	4.78e-03	2d8/25 L=38	42,28,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.39e-03	0.01	5.17e-03	2d8/25 L=38	42,28,3
578	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.39e-03	9.60e-03	4.84e-03	2d8/25 L=38	42,28,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.39e-03	9.71e-03	5.11e-03	2d8/25 L=38	44,28,3
591	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.39e-03	6.97e-03	4.85e-03	2d8/25 L=38	44,24,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.31e-03	6.98e-03	5.09e-03	2d8/25 L=38	42,24,1
603	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.32e-03	0.01	4.79e-03	2d8/25 L=38	42,17,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.28e-03	0.01	5.16e-03	2d8/25 L=38	38,17,1
611	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.27e-03	0.02	2.88e-03	2d8/25 L=22	3,32,4
	s=3,m=1	21.8	0.45	4.0	4.0	0.0	0.14	3.25e-03	0.02	2.79e-03	2d8/25 L=22	3,32,1
619	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.23e-03	0.03	7.09e-03	2d8/25 L=55	3,16,4
	s=3,m=1	54.8	0.45	4.0	4.0	0.0	0.14	3.26e-03	0.03	7.14e-03	2d8/25 L=55	3,16,1
625	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.28e-03	0.03	4.87e-03	2d8/25 L=38	3,16,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.38e-03	0.03	5.08e-03	2d8/25 L=38	3,16,1
631	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.38e-03	0.01	4.61e-03	2d8/25 L=38	3,16,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.72e-03	0.01	5.34e-03	2d8/25 L=38	3,16,1
637	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.73e-03	0.03	3.75e-03	2d8/25 L=38	3,16,38
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.79e-03	0.04	8.41e-03	2d8/25 L=38	3,16,39
643	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.79e-03	0.10	0.05	2d8/25 L=38	3,16,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.06	0.11	0.06	2d8/25 L=38	39,16,39
649	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	7.73e-03	0.10	0.09	2d8/25 L=15	39,41,39
	s=4,m=1	14.8	0.37	10.3	11.2	0.0	0.08	0.02	0.10	0.09	2d8/25 L=15	39,41,39
375	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.06	0.17	0.08	2d8/25 L=23	28,16,44
	s=3,m=1	23.5	0.45	4.0	4.0	0.0	0.14	0.02	0.16	0.07	2d8/25 L=23	28,16,44
407	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.05	0.02	2d8/25 L=38	28,32,28
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	8.44e-03	0.05	0.02	2d8/25 L=38	41,32,25
448	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.34e-03	0.05	5.88e-03	2d8/25 L=38	41,16,44
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.05	6.05e-03	2d8/25 L=38	41,4,41
474	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.07	3.51e-03	2d8/25 L=38	41,16,38
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.08	8.18e-03	2d8/25 L=38	41,16,4
502	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.12	3.04e-03	2d8/25 L=38	41,16,18
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.12	0.01	2d8/25 L=38	39,16,4
526	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.21	0.05	2d8/25 L=38	39,28,44
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.21	0.04	2d8/25 L=38	44,28,44
548	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.04	0.52	0.96	2d8/12 L=38	44,28,20
	s=3,m=1	38.3	0.45	4.0	4.0	4.0	0.14	0.08	0.52	0.95	2d8/12 L=38	4,28,20
364	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.16	0.46	0.79	2d8/10 L=54	4,28,44
	s=3,m=1	54.5	0.45	4.0	4.0	4.0	0.14	0.57	0.47	0.80	2d8/10 L=54	44,28,44
427	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.57	0.21	0.04	2d8/5 L=50	44,44,44
	s=3,m=1	120.5	0.45	4.0	4.0	0.0	0.14	0.02	0.19	0.19	2d8/25 L=70	2,44,44
400	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.19	0.19	2d8/25 L=70	2,44,44
	s=3,m=1	120.5	0.45	4.0	4.0	0.0	0.14	0.55	0.17	0.04	2d8/5 L=50	44,44,41
443	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.57	0.38	0.49	2d8/25 L=54	44,41,41
	s=3,m=1	54.5	0.45	4.0	4.0	0.0	0.14	0.20	0.37	0.48	2d8/25 L=54	4,41,41
386	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.08	0.15	0.05	2d8/25 L=38	4,22,4

	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.16	0.06	2d8/25 L=38	39,22,4
673	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.05	0.04	2d8/25 L=38	39,25,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.05	0.05	2d8/25 L=38	3,25,39
669	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.03	0.01	2d8/25 L=38	3,22,25
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	8.81e-03	0.03	6.85e-03	2d8/25 L=38	3,22,28
665	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.73e-03	0.02	8.46e-03	2d8/25 L=38	3,22,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.94e-03	0.02	3.42e-03	2d8/25 L=38	44,22,28
661	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.86e-03	0.02	6.31e-03	2d8/25 L=38	44,22,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.66e-03	0.01	4.15e-03	2d8/25 L=38	44,22,1
657	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.56e-03	0.01	5.58e-03	2d8/25 L=38	44,23,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.43e-03	0.01	4.58e-03	2d8/25 L=38	44,22,1
653	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.40e-03	0.01	5.35e-03	2d8/25 L=38	44,23,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.43e-03	9.92e-03	4.69e-03	2d8/25 L=38	44,23,1
647	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.44e-03	8.94e-03	5.25e-03	2d8/25 L=38	44,24,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.02e-03	8.01e-03	4.74e-03	2d8/25 L=38	3,24,2
641	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.98e-03	6.71e-03	5.20e-03	2d8/25 L=38	3,42,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.77e-03	6.06e-03	4.77e-03	2d8/25 L=38	3,42,2
635	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.77e-03	9.33e-03	5.15e-03	2d8/25 L=38	3,18,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.60e-03	9.21e-03	4.81e-03	2d8/25 L=38	3,18,2
629	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.59e-03	0.01	5.10e-03	2d8/25 L=38	3,18,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.47e-03	0.01	4.84e-03	2d8/25 L=38	3,18,2
623	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.48e-03	0.01	5.06e-03	2d8/25 L=38	3,39,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.40e-03	0.01	4.89e-03	2d8/25 L=38	3,39,4
615	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.38e-03	0.02	5.03e-03	2d8/25 L=38	3,18,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.34e-03	0.02	4.93e-03	2d8/25 L=38	3,18,4
607	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.36e-03	0.01	4.99e-03	2d8/25 L=38	3,18,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.35e-03	0.01	4.97e-03	2d8/25 L=38	3,18,4
597	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.34e-03	0.01	4.96e-03	2d8/25 L=38	3,14,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.45e-03	0.01	5.01e-03	2d8/25 L=38	41,14,4
584	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.46e-03	0.02	4.93e-03	2d8/25 L=38	41,23,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.67e-03	0.02	5.04e-03	2d8/25 L=38	41,23,4
571	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.68e-03	0.02	4.90e-03	2d8/25 L=38	41,23,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.93e-03	0.02	5.07e-03	2d8/25 L=38	41,23,4
553	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.94e-03	0.02	4.87e-03	2d8/25 L=38	41,23,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.25e-03	0.02	5.11e-03	2d8/25 L=38	41,23,4
532	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.18e-03	0.03	4.83e-03	2d8/25 L=38	41,28,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.55e-03	0.03	5.17e-03	2d8/25 L=38	41,28,3
510	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.63e-03	0.03	4.75e-03	2d8/25 L=38	41,28,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.14e-03	0.03	5.28e-03	2d8/25 L=38	41,28,3
484	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.16e-03	0.03	4.67e-03	2d8/25 L=38	41,24,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.93e-03	0.03	5.40e-03	2d8/25 L=38	41,24,3
459	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.94e-03	0.03	6.69e-03	2d8/25 L=38	41,28,28
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.72e-03	0.03	6.11e-03	2d8/25 L=38	25,28,25
435	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.78e-03	0.04	0.02	2d8/25 L=38	25,28,44
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.04	0.01	2d8/25 L=38	44,28,44
416	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.09	0.11	2d8/25 L=38	44,36,30
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.11	0.08	0.10	2d8/25 L=38	38,36,30
							M_T= 23	**Z=380.0**	**N=94**	**N=105**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
351	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.12	0.45	0.34	2d8/12 L=78	28,4,4
	s=4,m=1	78.5	0.37	10.3	11.2	0.0	0.06	0.25	0.26	0.18	2d8/12 L=78	4,28,28
365	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.25	0.25	0.17	2d8/12 L=119	4,28,28
	s=4,m=1	119.0	0.37	10.3	11.2	0.0	0.08	0.38	0.32	0.23	2d8/12 L=119	28,25,25
401	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.06	0.17	0.19	2d8/25 L=40	28,28,28
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.10	0.21	0.27	2d8/25 L=40	28,25,25
444	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.11	0.13	0.17	2d8/25 L=40	28,25,25
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.05	0.17	0.23	2d8/25 L=40	25,28,28
471	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.05	0.12	0.16	2d8/25 L=42	25,25,25
	s=4,m=1	42.0	0.37	10.3	11.2	0.0	0.08	0.02	0.13	0.17	2d8/25 L=42	25,28,28
387	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.02	0.08	0.10	2d8/25 L=38	25,25,3
	s=4,m=1	38.0	0.37	10.3	11.2	0.0	0.08	8.97e-03	0.08	0.11	2d8/25 L=38	3,28,4
436	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	8.96e-03	0.08	0.11	2d8/25 L=40	3,3,3
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	7.70e-03	0.07	0.11	2d8/25 L=40	3,4,4
467	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	7.61e-03	0.08	0.12	2d8/25 L=40	3,4,4
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.01	0.07	0.10	2d8/25 L=40	28,3,3
497	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.01	0.09	0.13	2d8/25 L=40	28,26,25
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.03	0.08	0.12	2d8/25 L=40	25,20,28
521	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.03	0.15	0.22	2d8/25 L=40	25,25,25
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.09	0.13	0.19	2d8/25 L=40	25,28,28
543	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.09	0.19	0.26	2d8/25 L=40	25,25,25
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.16	0.13	0.20	2d8/25 L=40	25,28,28
563	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.16	0.26	0.38	2d8/25 L=40	25,28,28
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.05	0.25	0.36	2d8/25 L=40	25,25,25
417	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.43	0.39	0.30	2d8/12 L=198	25,28,28
	s=4,m=1	198.0	0.37	10.3	11.2	0.0	0.08	0.58	0.63	0.48	2d8/12 L=198	25,25,25
353	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.11	0.17	0.13	2d8/25 L=40	25,39,19
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.14	0.22	0.22	2d8/25 L=40	25,38,18
395	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.15	0.20	0.24	2d8/25 L=48	25,41,25
	s=4,m=1	47.9	0.37	10.3	11.2	0.0	0.08	0.08	0.17	0.20	2d8/25 L=48	4,44,28
377	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.08	0.13	0.16	2d8/25 L=31	4,25,25
	s=4,m=1	31.3	0.37	10.3	11.2	0.0	0.08	0.10	0.16	0.22	2d8/25 L=31	4,28,28
481	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.10	0.17	0.23	2d8/25 L=40	4,23,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.15	0.23	0.32	2d8/25 L=40	15,23,15
456	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.15	0.20	0.28	2d8/25 L=40	15,23,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.26	0.26	0.37	2d8/25 L=40	15,23,15
430	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.31	0.45	2d8/25 L=40	15,23,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.13	0.25	0.35	2d8/25 L=40	15,23,15
409	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.75	0.59	0.45	2d8/12 L=86	15,4,4
	s=4,m=1	374.9	0.37	10.3	11.2	0.0	0.08	0.33	0.43	0.63	2d8/25 L=289	15,22,14
367	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.34	0.43	0.62	2d8/25 L=14	15,22,14
	s=4,m=1	100.1	0.37	10.3	11.2	0.0	0.08	0.92	0.67	0.52	2d8/12 L=86	14,3,3
403	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.16	0.25	0.36	2d8/25 L=45	14,22,14
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.32	0.32	0.47	2d8/25 L=45	14,22,14
445	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.33	0.30	0.43	2d8/25 L=30	14,22,14
	s=4,m=1	29.9	0.37	10.3	11.2	0.0	0.08	0.22	0.25	0.36	2d8/25 L=30	14,22,14
389	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.22	0.26	0.39	2d8/25 L=60	3,22,14
	s=4,m=1	60.1	0.37	10.3	11.2	0.0	0.08	0.18	0.19	0.27	2d8/25 L=60	3,23,15
485	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.18	0.20	0.29	2d8/25 L=45	3,13,14
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.26	0.24	0.34	2d8/25 L=45	15,23,15
515	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.26	0.29	0.41	2d8/25 L=45	15,23,15
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.12	0.22	0.31	2d8/25 L=45	15,23,15

460	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.71	0.60	0.45	2d8/12 L=65	15,4,4
	s=4,m=1	64.5	0.37	10.3	11.2	0.0	0.08	0.39	0.43	0.31	2d8/12 L=65	14,4,4
437	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.38	0.43	0.31	2d8/12 L=21	14,4,4
	s=4,m=1	310.3	0.37	10.3	11.2	0.0	0.08	0.32	0.44	0.64	2d8/25 L=289	14,3,3
419	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.31	0.44	0.64	2d8/25 L=1	15,3,3
	s=4,m=1	87.5	0.37	10.3	11.2	0.0	0.08	0.83	0.67	0.50	2d8/12 L=86	14,3,3
463	ok,ok	0.0	0.37	10.3	11.2	8.0	0.08	0.15	0.41	0.73	2d8/10 L=40	14,14,30
	s=4,m=1	39.6	0.37	10.3	11.2	8.0	0.08	0.31	0.47	0.83	2d8/10 L=40	14,14,30
494	ok,ok	0.0	0.37	10.3	11.2	4.0	0.08	0.31	0.33	0.76	2d8/15 L=48	14,14,30
	s=4,m=1	47.9	0.37	10.3	11.2	4.0	0.08	0.20	0.26	0.59	2d8/15 L=48	3,14,30
453	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.20	0.25	0.29	2d8/25 L=31	3,30,14
	s=4,m=1	31.3	0.37	10.3	11.2	0.0	0.08	0.18	0.20	0.22	2d8/25 L=31	3,30,14
554	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.18	0.17	0.20	2d8/25 L=40	3,16,14
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.21	0.23	0.29	2d8/25 L=40	3,16,15
533	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.21	0.20	0.25	2d8/25 L=40	3,20,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.29	0.26	0.34	2d8/25 L=40	15,20,15
511	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.28	0.32	0.45	2d8/25 L=40	20,15,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.15	0.25	0.36	2d8/25 L=40	20,15,15
492	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.77	0.66	0.50	2d8/12 L=86	15,3,4
	s=4,m=1	374.9	0.37	10.3	11.2	0.0	0.08	0.33	0.35	0.53	2d8/25 L=289	16,3,3
478	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.34	0.35	0.53	2d8/25 L=14	16,3,3
	s=4,m=1	100.1	0.37	10.3	11.2	0.0	0.08	0.70	0.62	0.47	2d8/12 L=86	17,3,3
514	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.11	0.21	0.30	2d8/25 L=45	14,17,14
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.25	0.27	0.41	2d8/25 L=45	14,17,14
537	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.26	0.23	0.28	2d8/25 L=30	14,22,14
	s=4,m=1	29.9	0.37	10.3	11.2	0.0	0.08	0.19	0.19	0.21	2d8/25 L=30	14,23,14
505	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.19	0.19	0.24	2d8/25 L=30	3,17,14
	s=4,m=1	30.0	0.37	10.3	11.2	0.0	0.08	0.18	0.16	0.21	2d8/25 L=30	3,23,15
585	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.19	0.13	0.17	2d8/25 L=30	3,23,15
	s=4,m=1	30.1	0.37	10.3	11.2	0.0	0.08	0.21	0.18	0.24	2d8/25 L=30	3,23,15
572	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.21	0.17	0.19	2d8/25 L=45	3,35,15
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.27	0.24	0.30	2d8/25 L=45	3,35,15
557	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.31	0.43	2d8/25 L=45	3,35,3
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.14	0.24	0.25	2d8/25 L=45	3,35,3
536	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.68	0.70	0.54	2d8/12 L=86	3,3,3
	s=4,m=1	374.8	0.37	10.3	11.2	0.0	0.06	0.36	0.30	0.46	2d8/25 L=289	3,4,4
529	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.35	0.33	0.46	2d8/25 L=1	3,34,4
	s=4,m=1	87.5	0.37	10.3	11.2	0.0	0.08	0.18	0.53	0.41	2d8/12 L=86	14,4,4
							M_T= 24	**Z=380.0**	**N=85**	**N=93**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
352	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.23	0.53	0.41	2d8/12 L=86	20,4,4
	s=4,m=1	87.5	0.37	10.3	11.2	0.0	0.06	0.36	0.32	0.46	2d8/25 L=1	3,40,4
376	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.36	0.30	0.46	2d8/25 L=289	3,4,4
	s=4,m=1	374.8	0.37	10.3	11.2	0.0	0.08	0.77	0.69	0.53	2d8/12 L=86	17,3,3
408	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.14	0.21	0.29	2d8/25 L=45	17,37,25
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.27	0.28	0.43	2d8/25 L=45	25,37,3
449	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.26	0.38	2d8/25 L=45	25,13,17
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.19	0.19	0.27	2d8/25 L=45	3,13,17
475	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.20	0.22	0.31	2d8/25 L=60	3,13,13
	s=4,m=1	60.1	0.37	10.3	11.2	0.0	0.08	0.19	0.19	0.26	2d8/25 L=60	16,16,16
366	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.18	0.18	0.24	2d8/25 L=30	16,16,13
	s=4,m=1	29.9	0.37	10.3	11.2	0.0	0.08	0.25	0.22	0.30	2d8/25 L=30	16,16,16
428	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.25	0.29	0.41	2d8/25 L=45	16,16,16
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.11	0.22	0.30	2d8/25 L=45	16,16,16
402	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.66	0.60	0.45	2d8/12 L=86	16,4,4
	s=4,m=1	100.1	0.37	10.3	11.2	0.0	0.08	0.40	0.35	0.51	2d8/25 L=14	13,16,16
388	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.39	0.35	0.51	2d8/25 L=215	13,16,16
	s=4,m=1	214.6	0.37	10.3	11.2	0.0	0.06	0.32	0.30	0.45	2d8/25 L=215	16,22,13
418	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.34	0.29	0.44	2d8/25 L=74	16,13,13
	s=4,m=1	160.3	0.37	10.3	11.2	0.0	0.08	0.84	0.68	0.51	2d8/12 L=86	13,3,3
354	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.15	0.26	0.38	2d8/25 L=40	13,17,13
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.30	0.32	0.48	2d8/25 L=40	13,17,13
378	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.30	0.27	0.37	2d8/25 L=40	13,17,13
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.21	0.21	0.28	2d8/25 L=40	3,17,13
410	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.21	0.25	0.31	2d8/25 L=40	3,17,13
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.18	0.19	0.22	2d8/25 L=40	3,17,13
450	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.18	0.21	0.22	2d8/25 L=31	3,25,14
	s=4,m=1	31.3	0.37	10.3	11.2	0.0	0.08	0.19	0.23	0.27	2d8/25 L=31	3,19,15
368	ok,ok	0.0	0.37	10.3	11.2	4.0	0.08	0.19	0.24	0.70	2d8/20 L=48	3,25,39
	s=4,m=1	47.9	0.37	10.3	11.2	4.0	0.08	0.29	0.31	0.93	2d8/20 L=48	19,19,39
429	ok,ok	0.0	0.37	10.3	11.2	8.0	0.08	0.29	0.47	0.97	2d8/12 L=40	19,19,39
	s=4,m=1	39.6	0.37	10.3	11.2	8.0	0.08	0.14	0.41	0.85	2d8/12 L=40	19,19,39
404	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.76	0.65	0.48	2d8/12 L=86	19,3,4
	s=4,m=1	87.5	0.37	10.3	11.2	0.0	0.08	0.34	0.42	0.60	2d8/25 L=1	18,3,4
390	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.33	0.42	0.60	2d8/25 L=289	18,3,4
	s=4,m=1	374.8	0.37	10.3	11.2	0.0	0.08	0.79	0.63	0.46	2d8/12 L=86	18,3,3
438	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.13	0.24	0.31	2d8/25 L=45	18,13,18
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.28	0.31	0.42	2d8/25 L=45	18,13,18
489	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.24	0.34	2d8/25 L=45	14,14,18
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.19	0.18	0.25	2d8/25 L=45	3,15,19
468	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.19	0.17	0.24	2d8/25 L=60	3,18,18
	s=4,m=1	60.1	0.37	10.3	11.2	0.0	0.08	0.22	0.22	0.32	2d8/25 L=60	3,19,19
420	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.22	0.19	0.27	2d8/25 L=30	3,20,15
	s=4,m=1	29.9	0.37	10.3	11.2	0.0	0.08	0.27	0.24	0.34	2d8/25 L=30	19,20,15
488	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.27	0.41	2d8/25 L=45	15,23,3
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.13	0.20	0.29	2d8/25 L=45	15,23,15
464	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.76	0.65	0.50	2d8/12 L=86	15,3,3
	s=4,m=1	100.1	0.37	10.3	11.2	0.0	0.08	0.30	0.39	0.59	2d8/25 L=14	18,3,3
454	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.29	0.39	0.59	2d8/25 L=289	14,3,3
	s=4,m=1	374.9	0.37	10.3	11.2	0.0	0.08	0.70	0.61	0.47	2d8/12 L=86	14,4,4
493	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.13	0.22	0.30	2d8/25 L=40	4,13,14
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.25	0.28	0.40	2d8/25 L=40	14,13,14
518	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.25	0.24	0.32	2d8/25 L=40	18,22,18
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.16	0.18	0.23	2d8/25 L=40	4,22,18
540	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.16	0.23	0.29	2d8/25 L=40	4,34,18
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.08	0.17	0.19	2d8/25 L=40	4,34,18
560	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.08	0.20	0.21	2d8/25 L=31	4,34,4
	s=4,m=1	31.3	0.37	10.3	11.2	0.0	0.08	0.04	0.15	0.10	2d8/25 L=31	4,34,14
479	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.04	0.20	0.19	2d8/25 L=48	4,34,3
	s=4,m=1	47.9	0.37	10.3	11.2	0.0	0.08	0.02	0.13	0.01	2d8/25 L=48	34,35,35
506	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.02	0.28	0.11	2d8/25 L=40	34,35,35

	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.06	0.01	0.27	0.07	2d8/25 L=40	3,34,34
							M_T= 31	**Z=380.0**	**N=129**	**N=130**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
695	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.51	0.08	0.02	2d8/5 L=50	34,4,2
	s=3,m=1	459.0	0.45	4.0	4.0	0.0	0.14	0.25	0.03	0.03	2d8/25 L=818	3,43,35
		918.0	0.45	4.0	4.0	0.0	0.14	0.64	0.10	0.03	2d8/5 L=50	35,3,3
696	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.65	0.15	0.03	2d8/5 L=50	36,36,36
	s=3,m=1	175.0	0.45	4.0	4.0	0.0	0.14	0.03	0.13	0.14	2d8/25 L=250	3,33,33
		350.0	0.45	4.0	4.0	0.0	0.14	0.68	0.15	0.03	2d8/5 L=50	33,33,33
697	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.63	0.09	0.03	2d8/5 L=50	34,3,3
	s=3,m=1	459.0	0.45	4.0	4.0	0.0	0.14	0.25	0.03	0.03	2d8/25 L=818	3,34,34
		918.0	0.45	4.0	4.0	0.0	0.14	0.52	0.08	0.02	2d8/5 L=50	35,4,2
							M_T= 38	**Z=380.0**	**N=70**	**N=81**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
969	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	5.26e-03	0.12	0.17	2d8/25 L=39	19,13,13
	s=5,m=1	39.3	0.40	10.3	12.3	0.0	0.08	0.06	0.14	0.20	2d8/25 L=39	15,16,16
973	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.06	0.11	0.16	2d8/25 L=39	15,14,14
	s=5,m=1	39.3	0.40	10.3	12.3	0.0	0.08	0.10	0.11	0.15	2d8/25 L=39	15,15,15
971	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.10	0.13	0.18	2d8/25 L=40	15,16,16
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.09	0.09	0.12	2d8/25 L=40	14,16,16
1072	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.09	0.12	0.18	2d8/25 L=40	14,16,16
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.06	0.09	0.13	2d8/25 L=40	14,16,16
1073	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.06	0.11	0.16	2d8/25 L=40	14,15,15
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.06	0.08	0.13	2d8/25 L=40	3,14,14
1074	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.06	0.09	0.13	2d8/25 L=40	3,15,15
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.08	0.10	0.15	2d8/25 L=40	15,14,14
1075	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.08	0.08	0.12	2d8/25 L=40	15,14,14
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.10	0.12	0.17	2d8/25 L=40	15,14,14
1076	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.10	0.09	0.12	2d8/25 L=40	15,38,14
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.12	0.13	0.18	2d8/25 L=40	15,38,14
975	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.12	0.17	0.20	2d8/25 L=53	15,14,14
	s=5,m=1	53.5	0.40	10.3	12.3	0.0	0.08	0.04	0.18	0.25	2d8/25 L=53	14,15,15
981	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.03	0.06	0.01	2d8/25 L=26	15,18,42
	s=5,m=1	25.8	0.40	10.3	12.3	0.0	0.08	0.03	0.07	0.03	2d8/25 L=26	15,18,3
988	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.03	0.06	0.05	2d8/25 L=40	15,18,14
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.01	0.06	0.07	2d8/25 L=40	18,19,15
998	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.04	0.04	2d8/25 L=40	18,18,14
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	7.80e-03	0.04	0.04	2d8/25 L=40	44,15,15
1008	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	7.79e-03	0.02	0.02	2d8/25 L=40	44,18,3
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	6.45e-03	0.02	0.02	2d8/25 L=40	44,19,16
1017	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	6.45e-03	0.02	0.02	2d8/25 L=40	44,3,3
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	5.60e-03	0.01	0.01	2d8/25 L=40	44,1,1
1027	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	5.60e-03	0.02	0.02	2d8/25 L=40	44,41,19
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	5.74e-03	0.02	0.02	2d8/25 L=40	44,25,18
1035	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	5.72e-03	0.03	0.01	2d8/25 L=40	44,41,19
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	8.38e-03	0.03	0.02	2d8/25 L=40	38,25,3
1042	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	8.41e-03	0.03	0.01	2d8/25 L=40	38,41,4
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.05	2d8/25 L=40	38,41,3
1049	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.06	0.05	2d8/25 L=40	38,41,3
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.04	0.07	0.09	2d8/25 L=40	3,41,3
1052	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.04	0.11	0.13	2d8/25 L=40	3,39,39
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.09	0.13	0.16	2d8/25 L=40	3,39,3
1054	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.09	0.20	0.27	2d8/25 L=40	3,39,19
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.18	0.21	0.29	2d8/25 L=40	3,39,19
978	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.31	0.41	2d8/25 L=44	3,19,19
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.39	0.36	0.48	2d8/25 L=44	19,19,19
993	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.46	0.29	0.39	2d8/25 L=44	19,19,19
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.68	0.34	0.47	2d8/25 L=44	19,19,19
986	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.85	0.32	0.37	2d8/25 L=47	19,39,3
	s=5,m=1	46.6	0.51	10.3	15.5	0.0	0.09	0.45	0.27	0.23	2d8/25 L=47	19,39,3
1099	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.55	0.32	0.38	2d8/25 L=47	19,39,3
	s=5,m=1	46.6	0.40	10.3	12.3	0.0	0.08	0.37	0.27	0.28	2d8/25 L=47	19,39,19
1100	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.30	0.29	0.34	2d8/25 L=47	19,39,19
	s=5,m=1	46.6	0.40	10.3	12.3	0.0	0.08	0.17	0.24	0.26	2d8/25 L=47	19,39,19
1101	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.25	0.30	2d8/25 L=47	19,39,19
	s=5,m=1	46.6	0.40	10.3	12.3	0.0	0.08	0.13	0.20	0.22	2d8/25 L=47	18,39,19
1102	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.21	0.26	2d8/25 L=47	18,39,19
	s=5,m=1	46.6	0.40	10.3	12.3	0.0	0.05	0.14	0.16	0.18	2d8/25 L=47	3,39,19
1103	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.19	0.23	2d8/25 L=47	3,39,19
	s=5,m=1	46.6	0.40	10.3	12.3	0.0	0.05	0.17	0.14	0.15	2d8/25 L=47	3,39,19
1104	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.17	0.18	0.20	2d8/25 L=47	3,39,19
	s=5,m=1	46.6	0.40	10.3	12.3	0.0	0.05	0.19	0.13	0.13	2d8/25 L=47	3,39,18
1105	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.18	0.18	0.17	2d8/25 L=47	3,39,19
	s=5,m=1	46.6	0.40	10.3	12.3	0.0	0.05	0.21	0.16	0.17	2d8/25 L=47	19,38,18
1106	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.20	0.18	0.15	2d8/25 L=47	19,39,19
	s=5,m=1	46.6	0.40	10.3	12.3	0.0	0.08	0.24	0.21	0.21	2d8/25 L=47	19,38,18
1003	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.25	0.21	0.18	2d8/25 L=45	19,38,18
	s=5,m=1	45.0	0.40	10.3	12.3	0.0	0.08	0.27	0.26	0.25	2d8/25 L=45	19,38,18
997	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.28	0.13	0.15	2d8/25 L=60	19,39,18
	s=5,m=1	60.1	0.40	10.3	12.3	0.0	0.08	0.32	0.19	0.25	2d8/25 L=60	19,38,18
983	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.33	0.27	0.40	2d8/25 L=44	19,19,19
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.18	0.32	0.47	2d8/25 L=44	19,19,19
995	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.19	0.36	0.52	2d8/25 L=44	19,19,19
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.04	0.40	0.60	2d8/25 L=44	38,19,19
1006	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.04	0.35	0.49	2d8/25 L=44	3,15,19
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.20	0.40	0.56	2d8/25 L=44	15,15,19
1015	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.25	0.32	2d8/25 L=44	15,15,15
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.37	0.30	0.39	2d8/25 L=44	15,15,15
990	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.40	0.26	0.28	2d8/25 L=54	15,35,19
	s=5,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.30	0.20	0.19	2d8/25 L=54	16,35,19
1093	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.27	0.24	0.31	2d8/25 L=54	16,31,15
	s=5,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.17	0.18	0.22	2d8/25 L=54	18,31,15
1094	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.17	0.20	0.26	2d8/25 L=54	18,23,15
	s=5,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.16	0.14	0.17	2d8/25 L=54	18,23,15
1095	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.16	0.17	0.20	2d8/25 L=54	18,31,15
	s=5,m=1	53.7	0.40	10.3	12.3	0.0	0.05	0.14	0.12	0.11	2d8/25 L=54	3,31,15
1004	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.14	0.16	0.15	2d8/25 L=40	3,35,15
	s=5,m=1	40.1	0.40	10.3	12.3	0.0	0.05	0.15	0.12	0.13	2d8/25 L=40	3,13,14
1096	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.13	0.13	2d8/25 L=40	3,35,15
	s=5,m=1	40.1	0.40	10.3	12.3	0.0	0.05	0.14	0.14	0.15	2d8/25 L=40	3,13,14
1097	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.11	0.11	2d8/25 L=40	3,13,14

	s=5,m=1	40.1	0.40	10.3	12.3	0.0	0.05	0.14	0.16	0.18	2d8/25 L=40	15,13,14
1098	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.13	0.14	2d8/25 L=40	15,13,14
	s=5,m=1	40.1	0.40	10.3	12.3	0.0	0.08	0.15	0.17	0.21	2d8/25 L=40	15,13,14
1014	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.16	0.18	2d8/25 L=40	15,13,14
	s=5,m=1	39.6	0.40	10.3	12.3	0.0	0.08	0.16	0.20	0.25	2d8/25 L=40	15,13,14
1032	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.16	0.18	0.22	2d8/25 L=40	15,13,14
	s=5,m=1	39.6	0.40	10.3	12.3	0.0	0.08	0.22	0.22	0.29	2d8/25 L=40	14,13,14
1026	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.17	0.23	2d8/25 L=35	14,13,14
	s=5,m=1	35.4	0.40	10.3	12.3	0.0	0.08	0.32	0.21	0.29	2d8/25 L=35	18,13,14
1092	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.35	0.12	0.14	2d8/25 L=35	18,18,14
	s=5,m=1	35.4	0.40	10.3	12.3	0.0	0.08	0.42	0.15	0.20	2d8/25 L=35	18,18,14
1000	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.40	0.27	0.37	2d8/25 L=44	18,14,14
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.25	0.22	0.32	2d8/25 L=44	18,14,15
1021	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.25	0.44	0.60	2d8/25 L=44	18,18,13
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.09	0.39	0.53	2d8/25 L=44	16,18,13
1012	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.10	0.40	0.51	2d8/25 L=44	18,16,16
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.23	0.45	0.58	2d8/25 L=44	16,16,16
1024	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.25	0.24	0.30	2d8/25 L=44	16,16,13
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.39	0.29	0.36	2d8/25 L=44	16,16,16
1010	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.43	0.24	0.24	2d8/25 L=47	16,32,3
	s=5,m=1	46.8	0.40	10.3	12.3	0.0	0.08	0.33	0.19	0.16	2d8/25 L=47	16,32,16
1077	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.29	0.22	0.30	2d8/25 L=47	16,16,16
	s=5,m=1	46.8	0.40	10.3	12.3	0.0	0.08	0.17	0.17	0.22	2d8/25 L=47	16,16,16
1078	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.20	0.26	2d8/25 L=47	16,16,16
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.08	0.15	0.15	0.18	2d8/25 L=47	13,16,16
1079	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.17	0.21	2d8/25 L=47	13,19,16
	s=5,m=1	46.8	0.40	10.3	12.3	0.0	0.05	0.13	0.12	0.13	2d8/25 L=47	13,19,16
1080	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.15	0.18	2d8/25 L=47	13,19,16
	s=5,m=1	46.8	0.40	10.3	12.3	0.0	0.05	0.15	0.10	0.10	2d8/25 L=47	3,29,13
1081	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.14	0.13	0.14	2d8/25 L=47	3,19,16
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.05	0.15	0.14	0.13	2d8/25 L=47	3,29,13
1082	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.12	0.11	2d8/25 L=47	3,29,16
	s=5,m=1	46.8	0.40	10.3	12.3	0.0	0.05	0.13	0.17	0.16	2d8/25 L=47	16,29,13
1083	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.16	0.11	2d8/25 L=47	3,29,13
	s=5,m=1	46.8	0.40	10.3	12.3	0.0	0.08	0.15	0.21	0.19	2d8/25 L=47	16,29,13
1031	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.18	0.16	2d8/25 L=45	16,29,13
	s=5,m=1	45.0	0.40	10.3	12.3	0.0	0.08	0.15	0.23	0.23	2d8/25 L=45	16,29,13
1023	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.16	0.20	2d8/25 L=53	16,13,13
	s=5,m=1	52.6	0.40	10.3	12.3	0.0	0.08	0.21	0.22	0.29	2d8/25 L=53	13,3,13
1091	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.17	0.15	2d8/25 L=53	13,29,13
	s=5,m=1	52.6	0.40	10.3	12.3	0.0	0.08	0.33	0.23	0.24	2d8/25 L=53	13,29,13
1019	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.32	0.26	0.34	2d8/25 L=44	13,13,13
	s=5,m=1	43.7	0.40	10.3	12.3	0.0	0.08	0.20	0.21	0.27	2d8/25 L=44	13,13,13
1033	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.19	0.34	0.46	2d8/25 L=44	13,29,13
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.08	0.29	0.38	2d8/25 L=44	30,29,13
1040	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.09	0.37	0.49	2d8/25 L=44	34,29,29
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.23	0.33	0.42	2d8/25 L=44	32,29,29
1047	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.40	0.43	2d8/25 L=44	32,29,29
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.36	0.36	0.35	2d8/25 L=44	32,29,29
1029	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.43	0.27	0.26	2d8/25 L=47	32,32,32
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.08	0.30	0.22	0.18	2d8/25 L=47	32,32,32
1084	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.26	0.29	0.30	2d8/25 L=47	32,32,32
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.08	0.24	0.23	0.22	2d8/25 L=47	29,32,32
1085	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.24	0.25	0.26	2d8/25 L=47	29,32,32
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.08	0.21	0.20	0.18	2d8/25 L=47	29,32,32
1086	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.21	0.20	0.21	2d8/25 L=47	29,32,32
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.05	0.20	0.18	0.14	2d8/25 L=47	3,29,29
1087	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.20	0.19	0.17	2d8/25 L=47	3,32,32
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.05	0.20	0.21	0.17	2d8/25 L=47	3,29,29
1088	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.20	0.20	0.13	2d8/25 L=47	3,29,32
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.05	0.18	0.25	0.19	2d8/25 L=47	3,29,29
1089	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.18	0.24	0.14	2d8/25 L=47	3,29,29
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.05	0.17	0.29	0.22	2d8/25 L=47	32,29,29
1090	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.16	0.28	0.18	2d8/25 L=47	32,29,29
	s=5,m=1	46.9	0.40	10.3	12.3	0.0	0.08	0.17	0.33	0.25	2d8/25 L=47	32,29,29
1051	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.17	0.31	0.23	2d8/25 L=40	32,29,29
	s=5,m=1	39.6	0.40	10.3	12.3	0.0	0.08	0.18	0.35	0.29	2d8/25 L=40	32,29,29
1046	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.18	0.26	0.26	2d8/25 L=40	29,29,29
	s=5,m=1	39.6	0.40	10.3	12.3	0.0	0.08	0.28	0.30	0.33	2d8/25 L=40	29,29,29
1039	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.32	0.23	0.23	2d8/25 L=71	29,29,29
	s=5,m=1	70.8	0.40	10.3	12.3	0.0	0.08	0.53	0.31	0.41	2d8/25 L=71	29,29,3
1037	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.53	0.47	0.59	2d8/25 L=44	29,29,29
	s=5,m=1	43.7	0.40	10.3	12.3	0.0	0.08	0.28	0.42	0.51	2d8/25 L=44	29,29,29
1044	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.46	0.62	2d8/25 L=44	29,29,29
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.02	0.41	0.54	2d8/25 L=44	3,29,29
							M_T= 39	**Z=380.0**	**N=106**	**N=117**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
970	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	5.26e-03	0.06	0.07	2d8/25 L=39	24,44,3
	s=6,m=1	39.3	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.04	2d8/25 L=39	22,28,3
974	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.07	2d8/25 L=39	22,3,3
	s=6,m=1	39.3	0.40	10.3	12.3	0.0	0.08	0.02	0.04	0.04	2d8/25 L=39	22,28,3
972	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.02	0.07	0.08	2d8/25 L=40	22,28,3
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.05	2d8/25 L=40	3,25,22
1002	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.05	0.06	2d8/25 L=40	3,28,3
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.02	0.05	0.05	2d8/25 L=40	24,25,22
992	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.04	2d8/25 L=40	24,38,22
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.02	0.05	0.07	2d8/25 L=40	3,39,3
985	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.06	0.07	2d8/25 L=40	3,22,22
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.02	0.06	0.08	2d8/25 L=40	34,23,23
980	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.02	0.04	0.06	2d8/25 L=40	34,22,3
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.03	0.04	0.05	2d8/25 L=40	22,23,3
977	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.03	0.05	0.07	2d8/25 L=40	22,35,3
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.05	2d8/25 L=40	22,34,22
976	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.05	2d8/25 L=40	22,23,23
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.06	2d8/25 L=40	3,22,22
982	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.03	0.05	2d8/25 L=40	3,3,3
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.06	2d8/25 L=40	3,3,3
989	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.06	2d8/25 L=40	3,3,3
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.05	2d8/25 L=40	3,3,3
999	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.06	2d8/25 L=40	3,23,23
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.06	2d8/25 L=40	23,22,22

1009	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.03	0.04	2d8/25 L=40	23,23,23
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.02	0.05	0.07	2d8/25 L=40	23,3,3
1018	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.02	0.04	0.05	2d8/25 L=40	23,22,22
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.07	2d8/25 L=40	23,23,3
1028	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.08	2d8/25 L=40	23,22,22
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.01	0.06	0.07	2d8/25 L=40	18,23,23
1036	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.04	0.05	2d8/25 L=40	18,3,3
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.01	0.04	0.06	2d8/25 L=40	30,3,3
1043	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.04	0.06	2d8/25 L=40	30,23,23
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.01	0.07	0.11	2d8/25 L=40	21,14,22
1050	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.07	2d8/25 L=40	21,26,22
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.04	0.10	0.14	2d8/25 L=40	22,26,22
1053	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.04	0.08	0.10	2d8/25 L=40	22,38,44
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.07	0.12	0.18	2d8/25 L=40	3,38,3
1055	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.08	0.17	0.22	2d8/25 L=40	3,44,28
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.15	0.21	0.29	2d8/25 L=40	44,44,28
979	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.16	0.25	0.34	2d8/25 L=44	44,28,28
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.29	0.30	0.41	2d8/25 L=44	28,28,28
994	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.33	0.24	0.30	2d8/25 L=44	28,44,28
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.49	0.29	0.37	2d8/25 L=44	28,44,28
987	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.57	0.32	0.33	2d8/25 L=48	28,44,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.43	0.27	0.20	2d8/25 L=48	28,44,28
1183	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.37	0.32	0.33	2d8/25 L=48	28,40,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.23	0.26	0.23	2d8/25 L=48	28,40,28
1184	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.29	0.29	2d8/25 L=48	28,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.14	0.24	0.21	2d8/25 L=48	25,44,28
1185	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.25	0.24	2d8/25 L=48	25,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.13	0.19	0.16	2d8/25 L=48	25,44,28
1186	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.21	0.21	2d8/25 L=48	25,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.15	0.15	0.13	2d8/25 L=48	3,44,28
1187	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.17	0.18	2d8/25 L=48	3,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.16	0.12	0.12	2d8/25 L=48	3,44,25
1188	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.16	0.15	0.15	2d8/25 L=48	3,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.16	0.13	0.16	2d8/25 L=48	28,41,25
1189	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.16	0.14	0.12	2d8/25 L=48	3,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.18	0.17	0.20	2d8/25 L=48	28,41,25
1190	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.18	0.17	0.17	2d8/25 L=48	28,41,25
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.20	0.22	0.25	2d8/25 L=48	28,41,25
1191	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.20	0.21	2d8/25 L=48	28,41,25
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.23	0.25	0.29	2d8/25 L=48	25,41,25
1192	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.26	0.19	0.16	2d8/25 L=48	25,41,25
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.36	0.24	0.24	2d8/25 L=48	25,41,25
984	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.32	0.35	0.32	2d8/25 L=44	25,41,25
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.20	0.39	0.36	2d8/25 L=44	25,44,28
996	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.27	0.41	2d8/25 L=44	25,25,25
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.07	0.32	0.46	2d8/25 L=44	3,28,28
1007	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.07	0.26	0.38	2d8/25 L=44	3,28,25
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.18	0.31	0.44	2d8/25 L=44	24,28,28
1016	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.19	0.22	0.27	2d8/25 L=44	24,26,21
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.30	0.24	0.32	2d8/25 L=44	24,24,24
991	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.32	0.24	0.25	2d8/25 L=54	24,36,28
	s=6,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.22	0.18	0.16	2d8/25 L=54	24,36,28
1226	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.23	0.28	2d8/25 L=54	24,36,24
	s=6,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.17	0.17	0.19	2d8/25 L=54	21,36,24
1227	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.17	0.19	0.23	2d8/25 L=54	21,36,24
	s=6,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.15	0.13	0.14	2d8/25 L=54	25,36,24
1228	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.17	0.17	2d8/25 L=54	25,36,24
	s=6,m=1	53.7	0.40	10.3	12.3	0.0	0.05	0.15	0.11	0.10	2d8/25 L=54	3,36,21
1005	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.17	0.13	2d8/25 L=52	3,32,24
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.05	0.15	0.15	0.13	2d8/25 L=52	3,34,21
1218	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.13	0.10	2d8/25 L=52	3,36,24
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.05	0.13	0.16	0.17	2d8/25 L=52	3,22,21
1219	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.13	0.12	2d8/25 L=52	3,22,21
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.13	0.18	0.21	2d8/25 L=52	24,22,21
1220	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.15	0.18	2d8/25 L=52	24,22,21
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.14	0.21	0.26	2d8/25 L=52	21,22,21
1221	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.17	0.22	2d8/25 L=52	25,25,21
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.28	0.23	0.31	2d8/25 L=52	25,3,3
1222	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.32	0.14	0.15	2d8/25 L=52	25,25,21
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.43	0.20	0.25	2d8/25 L=52	25,25,3
1001	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.38	0.26	0.36	2d8/25 L=44	21,21,21
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.25	0.22	0.29	2d8/25 L=44	25,21,21
1022	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.25	0.41	0.57	2d8/25 L=44	25,21,21
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.11	0.36	0.49	2d8/25 L=44	3,21,21
1013	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.10	0.36	0.45	2d8/25 L=44	3,23,23
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.21	0.41	0.53	2d8/25 L=44	23,23,23
1025	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.22	0.31	0.28	2d8/25 L=44	23,35,22
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.35	0.36	0.33	2d8/25 L=44	23,35,23
1011	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.40	0.27	0.23	2d8/25 L=48	23,35,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.31	0.22	0.13	2d8/25 L=48	23,35,23
1193	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.27	0.27	0.29	2d8/25 L=48	23,35,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.16	0.21	0.20	2d8/25 L=48	23,35,23
1194	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.21	0.25	2d8/25 L=48	23,23,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.14	0.16	0.17	2d8/25 L=48	22,23,23
1195	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.18	0.20	2d8/25 L=48	22,23,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.13	0.12	0.12	2d8/25 L=48	3,23,23
1196	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.14	0.16	2d8/25 L=48	22,23,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.15	0.10	0.10	2d8/25 L=48	3,34,22
1197	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.14	0.12	0.13	2d8/25 L=48	3,28,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.15	0.10	0.13	2d8/25 L=48	3,34,22
1198	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.10	0.10	2d8/25 L=48	3,28,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.13	0.14	0.16	2d8/25 L=48	23,34,22
1199	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.13	0.12	2d8/25 L=48	23,30,22
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.14	0.18	0.20	2d8/25 L=48	23,30,22
1200	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.19	0.17	2d8/25 L=48	23,30,22
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.14	0.24	0.25	2d8/25 L=48	23,30,22
1201	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.24	0.20	2d8/25 L=48	23,30,22
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.23	0.29	0.29	2d8/25 L=48	22,30,3
1202	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.26	0.27	0.15	2d8/25 L=48	22,34,22
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.35	0.32	0.23	2d8/25 L=48	22,34,3
1020	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.33	0.30	0.33	2d8/25 L=44	22,34,22

	s=6,m=1	43.7	0.40	10.3	12.3	0.0	0.08	0.21	0.25	0.26	2d8/25 L=44	22,34,22
1034	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.19	0.39	0.44	2d8/25 L=44	22,34,22
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.09	0.35	0.37	2d8/25 L=44	33,34,22
1041	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.09	0.38	0.50	2d8/25 L=44	29,34,34
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.24	0.33	0.43	2d8/25 L=44	35,34,34
1048	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.25	0.47	0.43	2d8/25 L=44	35,34,34
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.39	0.42	0.36	2d8/25 L=44	35,34,34
1030	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.46	0.31	0.26	2d8/25 L=48	35,31,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.33	0.25	0.18	2d8/25 L=48	35,31,35
1203	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.28	0.32	0.31	2d8/25 L=48	35,35,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.23	0.27	0.23	2d8/25 L=48	34,35,35
1204	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.28	0.26	2d8/25 L=48	34,35,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.20	0.23	0.18	2d8/25 L=48	34,35,35
1205	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.21	0.23	0.21	2d8/25 L=48	34,35,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.20	0.19	0.14	2d8/25 L=48	3,34,34
1206	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.19	0.19	0.17	2d8/25 L=48	3,35,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.19	0.20	0.17	2d8/25 L=48	3,34,34
1207	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.20	0.16	0.14	2d8/25 L=48	3,34,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.17	0.21	0.20	2d8/25 L=48	3,34,34
1208	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.18	0.21	0.15	2d8/25 L=48	3,34,34
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.17	0.26	0.23	2d8/25 L=48	35,34,34
1209	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.17	0.26	0.18	2d8/25 L=48	35,34,34
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.18	0.31	0.26	2d8/25 L=48	35,34,34
1210	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.18	0.32	0.23	2d8/25 L=48	35,34,34
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.20	0.37	0.31	2d8/25 L=48	34,34,34
1211	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.36	0.27	2d8/25 L=48	34,34,34
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.38	0.41	0.36	2d8/25 L=48	34,34,3
1212	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.43	0.36	0.25	2d8/25 L=48	34,34,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.59	0.41	0.39	2d8/25 L=48	34,34,3
1038	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.54	0.57	0.59	2d8/25 L=44	34,34,34
	s=6,m=1	43.7	0.40	10.3	12.3	0.0	0.08	0.28	0.52	0.52	2d8/25 L=44	34,34,34
1045	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.24	0.50	0.63	2d8/25 L=44	34,34,34
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.02	0.45	0.55	2d8/25 L=44	3,34,34
							M_T= 14	**Z=760.0**	**N=5962**	**N=5963**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
699	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.04	0.03	2d8/25 L=38	30,30,14
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.05	0.03	2d8/25 L=38	14,30,14
750	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.03	9.63e-03	2d8/25 L=38	14,3,13
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	9.00e-03	0.03	8.70e-03	2d8/25 L=38	18,3,16
798	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	9.08e-03	0.03	8.60e-03	2d8/25 L=38	18,3,13
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.95e-03	0.02	7.41e-03	2d8/25 L=38	38,3,16
828	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.97e-03	0.02	8.64e-03	2d8/25 L=38	38,18,41
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	7.41e-03	0.02	5.66e-03	2d8/25 L=38	44,38,44
857	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.48e-03	0.02	0.01	2d8/25 L=38	44,43,43
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.02	7.81e-03	2d8/25 L=38	41,43,42
881	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.02	0.02	2d8/25 L=38	39,43,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.01	0.01	2d8/25 L=38	43,43,39
903	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.02	0.01	2d8/25 L=38	43,3,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.01	3.41e-03	2d8/25 L=38	39,3,39
923	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.01	0.01	2d8/25 L=38	39,38,44
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.01	0.02	2d8/25 L=38	39,41,41
936	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.02	0.02	2d8/25 L=38	39,39,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.03e-03	0.02	0.03	2d8/25 L=38	1,39,39
949	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.14e-03	0.02	0.02	2d8/25 L=38	1,39,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.03	0.03	2d8/25 L=38	39,39,39
961	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.01	0.01	2d8/25 L=38	39,39,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.02	0.02	2d8/25 L=38	39,39,39
341	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	9.76e-03	7.01e-03	2d8/25 L=38	39,41,41
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	8.65e-03	9.23e-03	2d8/25 L=38	39,4,44
487	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.03	0.02	2d8/25 L=38	39,43,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.02	0.01	2d8/25 L=38	39,43,39
539	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.03	0.01	2d8/25 L=38	39,19,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.02	8.29e-03	2d8/25 L=38	19,19,38
587	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.04	6.70e-03	2d8/25 L=38	19,19,41
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.04	6.71e-03	2d8/25 L=38	3,19,44
339	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.07	7.19e-03	2d8/25 L=38	3,19,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.07	3.16e-03	2d8/25 L=38	19,19,28
490	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.20	0.07	2d8/25 L=38	19,19,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.06	0.20	0.06	2d8/25 L=38	3,19,4
555	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.06	0.25	0.92	2d8/25 L=15	3,19,19
	s=3,m=1	14.8	0.45	4.0	4.0	4.0	0.14	0.06	0.25	0.92	2d8/25 L=15	3,19,19
729	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.04	0.23	0.82	2d8/25 L=23	4,19,19
	s=3,m=1	23.5	0.45	4.0	4.0	4.0	0.14	0.03	0.23	0.84	2d8/25 L=23	4,19,19
764	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.15	0.04	2d8/25 L=38	4,19,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.16	0.05	2d8/25 L=38	3,19,4
805	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.06	5.73e-03	2d8/25 L=38	3,19,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.06	5.09e-03	2d8/25 L=38	3,19,38
831	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.04	6.99e-03	2d8/25 L=38	3,39,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.04	5.59e-03	2d8/25 L=38	28,39,38
859	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.02	7.69e-03	2d8/25 L=38	28,39,41
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.02	0.01	2d8/25 L=38	44,31,44
883	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.02	0.01	2d8/25 L=38	44,41,41
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.02	0.02	2d8/25 L=38	44,44,44
905	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.03	0.03	2d8/25 L=38	44,44,44
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.08	0.03	0.04	2d8/25 L=38	44,44,44
715	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.08	0.03	0.03	2d8/25 L=54	44,44,41
	s=3,m=1	54.5	0.45	4.0	4.0	0.0	0.14	0.12	0.03	0.03	2d8/25 L=54	44,44,44
756	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.14	0.04	0.02	2d8/25 L=40	44,44,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.12	0.04	0.01	2d8/25 L=40	44,44,44
1062	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.10	0.06	0.05	2d8/25 L=40	44,44,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.04	0.06	0.04	2d8/25 L=40	44,44,44
1063	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.06	0.04	2d8/25 L=40	44,44,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	9.48e-03	0.06	0.03	2d8/25 L=40	3,44,44
1064	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	9.59e-03	0.05	0.04	2d8/25 L=40	3,44,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.04	0.04	0.03	2d8/25 L=40	44,44,44
1065	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.06	0.04	2d8/25 L=40	44,44,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.07	0.05	0.04	2d8/25 L=40	44,44,44
1066	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.07	0.08	0.05	2d8/25 L=40	44,28,44
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.10	0.08	0.04	2d8/25 L=40	44,28,44
800	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.11	0.20	0.07	2d8/25 L=54	44,28,41
	s=3,m=1	54.5	0.45	4.0	4.0	0.0	0.14	0.06	0.21	0.07	2d8/25 L=54	4,28,44

739	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.07	0.22	0.62	2d8/25 L=38	4,23,4
	s=3,m=1	38.3	0.45	4.0	4.0	4.0	0.14	0.06	0.23	0.65	2d8/25 L=38	44,23,4
431	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.06	0.13	0.07	2d8/25 L=38	44,4,44
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.13	0.07	2d8/25 L=38	39,4,44
594	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.05	0.01	2d8/25 L=38	39,4,41
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.05	0.01	2d8/25 L=38	3,4,44
550	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.04	9.10e-03	2d8/25 L=38	3,4,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	8.91e-03	0.03	3.11e-03	2d8/25 L=38	3,4,18
462	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.96e-03	0.03	7.31e-03	2d8/25 L=38	3,4,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.56e-03	0.02	3.16e-03	2d8/25 L=38	3,4,2
600	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.58e-03	0.02	6.18e-03	2d8/25 L=38	3,4,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.33e-03	0.01	3.98e-03	2d8/25 L=38	3,4,2
573	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.32e-03	0.01	5.87e-03	2d8/25 L=38	3,21,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.40e-03	0.01	4.28e-03	2d8/25 L=38	3,21,1
512	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.37e-03	9.69e-03	5.59e-03	2d8/25 L=38	3,21,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.74e-03	9.42e-03	4.44e-03	2d8/25 L=38	3,21,2
396	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.73e-03	0.01	5.56e-03	2d8/25 L=38	3,25,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.52e-03	0.01	4.50e-03	2d8/25 L=38	39,25,4
601	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.52e-03	0.01	5.32e-03	2d8/25 L=38	39,44,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.08e-03	0.01	4.85e-03	2d8/25 L=38	19,44,1
562	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.07e-03	9.05e-03	5.76e-03	2d8/25 L=38	19,27,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.46e-03	8.18e-03	4.43e-03	2d8/25 L=38	15,27,1
517	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.43e-03	0.01	5.75e-03	2d8/25 L=38	15,42,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.22e-03	0.01	4.29e-03	2d8/25 L=38	39,26,2
381	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.23e-03	0.01	3.58e-03	2d8/25 L=38	39,25,25
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.61e-03	0.01	7.07e-03	2d8/25 L=38	15,44,3
964	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.85e-03	0.02	4.43e-03	2d8/25 L=38	23,44,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.51e-03	0.02	5.65e-03	2d8/25 L=38	23,44,3
954	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.27e-03	0.02	6.45e-03	2d8/25 L=38	23,44,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.91e-03	0.02	3.94e-03	2d8/25 L=38	19,44,25
941	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.90e-03	8.42e-03	5.09e-03	2d8/25 L=38	19,38,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.91e-03	8.12e-03	4.85e-03	2d8/25 L=38	19,42,4
928	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.90e-03	9.25e-03	4.98e-03	2d8/25 L=38	19,22,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.98e-03	9.16e-03	4.97e-03	2d8/25 L=38	19,22,3
910	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.97e-03	0.01	4.91e-03	2d8/25 L=38	19,22,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.10e-03	0.01	5.04e-03	2d8/25 L=38	19,22,3
889	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.08e-03	0.02	4.84e-03	2d8/25 L=38	19,22,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.25e-03	0.02	5.12e-03	2d8/25 L=38	19,22,3
867	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.22e-03	0.02	4.89e-03	2d8/25 L=38	19,22,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.32e-03	0.02	5.05e-03	2d8/25 L=38	39,22,2
841	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.29e-03	0.02	4.59e-03	2d8/25 L=38	39,22,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.62e-03	0.02	5.35e-03	2d8/25 L=38	39,22,4
816	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.59e-03	0.03	4.81e-03	2d8/25 L=38	39,21,23
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.27e-03	0.03	5.85e-03	2d8/25 L=38	25,21,22
791	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.25e-03	0.03	7.11e-03	2d8/25 L=38	25,21,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.89e-03	0.03	4.78e-03	2d8/25 L=38	22,21,18
771	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.86e-03	0.06	0.03	2d8/25 L=38	22,25,25
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.05	0.03	2d8/25 L=38	25,25,25
							M_T= 25	**Z=760.0**	**N=5973**	**N=6009**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
709	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.07	0.09	0.07	2d8/25 L=38	3,38,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	7.07e-03	0.10	0.08	2d8/25 L=38	19,38,3
753	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.21e-03	0.04	4.84e-03	2d8/25 L=38	19,3,16
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	8.41e-03	0.05	0.01	2d8/25 L=38	18,3,3
799	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.49e-03	0.03	6.63e-03	2d8/25 L=38	18,3,18
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.90e-03	0.03	6.48e-03	2d8/25 L=38	3,3,19
829	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.16e-03	0.04	5.68e-03	2d8/25 L=38	3,3,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.47e-03	0.04	4.34e-03	2d8/25 L=38	3,3,1
858	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.51e-03	0.04	5.40e-03	2d8/25 L=38	3,43,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.09e-03	0.04	4.61e-03	2d8/25 L=38	3,43,1
882	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.24e-03	0.04	5.38e-03	2d8/25 L=31	3,31,3
	s=3,m=1	31.3	0.45	4.0	4.0	0.0	0.14	5.15e-03	0.04	2.96e-03	2d8/25 L=31	3,31,2
904	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.03e-03	0.03	6.61e-03	2d8/25 L=45	3,31,3
	s=3,m=1	45.3	0.45	4.0	4.0	0.0	0.14	4.19e-03	0.03	5.29e-03	2d8/25 L=45	40,35,2
924	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.21e-03	0.01	5.16e-03	2d8/25 L=38	3,23,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.01e-03	0.01	4.81e-03	2d8/25 L=38	3,23,2
937	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.05e-03	0.02	4.95e-03	2d8/25 L=38	3,15,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.08e-03	0.02	4.99e-03	2d8/25 L=38	3,15,3
950	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.10e-03	0.02	5.14e-03	2d8/25 L=38	3,15,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.92e-03	0.02	4.81e-03	2d8/25 L=38	3,15,2
962	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.93e-03	0.02	4.72e-03	2d8/25 L=38	3,20,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.20e-03	0.02	5.24e-03	2d8/25 L=38	3,20,1
357	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.28e-03	0.03	2.93e-03	2d8/25 L=22	3,15,1
	s=3,m=1	21.8	0.45	4.0	4.0	0.0	0.14	4.23e-03	0.03	2.75e-03	2d8/25 L=22	3,15,4
496	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.24e-03	0.02	6.58e-03	2d8/25 L=55	3,16,2
	s=3,m=1	54.8	0.45	4.0	4.0	0.0	0.14	5.15e-03	0.02	7.72e-03	2d8/25 L=55	3,16,3
542	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.22e-03	0.03	4.65e-03	2d8/25 L=38	3,16,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.70e-03	0.03	5.45e-03	2d8/25 L=38	3,16,4
589	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.78e-03	0.03	4.06e-03	2d8/25 L=38	3,20,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	7.00e-03	0.03	6.11e-03	2d8/25 L=38	3,15,3
355	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.03e-03	0.03	2.96e-03	2d8/25 L=38	3,15,21
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.03	8.34e-03	2d8/25 L=38	3,15,3
503	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.05	0.01	2d8/25 L=38	3,29,23
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.05	0.02	2d8/25 L=38	23,29,23
558	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.08	0.03	2d8/25 L=15	23,35,35
	s=3,m=1	14.8	0.45	4.0	4.0	0.0	0.14	0.04	0.08	0.03	2d8/25 L=15	35,35,35
734	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.17	0.02	2d8/25 L=23	38,37,18
	s=3,m=1	23.5	0.45	4.0	4.0	0.0	0.14	0.01	0.17	0.03	2d8/25 L=23	39,37,18
766	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.05	5.81e-03	2d8/25 L=38	39,20,19
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.05	0.01	2d8/25 L=38	3,28,18
807	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.08	3.26e-03	2d8/25 L=38	3,20,44
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.09	7.15e-03	2d8/25 L=38	3,20,3
833	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.11	1.29e-03	2d8/25 L=38	3,16,39
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.12	0.01	2d8/25 L=38	3,16,3
861	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.16	5.61e-03	2d8/25 L=38	3,20,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.17	0.02	2d8/25 L=38	3,20,3
885	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.03	0.24	0.62	2d8/25 L=38	3,19,20
	s=3,m=1	38.3	0.45	4.0	4.0	4.0	0.14	0.02	0.23	0.60	2d8/25 L=38	41,19,20
907	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.02	0.45	0.99	2d8/15 L=38	41,20,20
	s=3,m=1	38.3	0.45	4.0	4.0	4.0	0.14	0.07	0.44	0.97	2d8/15 L=38	4,20,20
723	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.21	0.44	0.90	2d8/12 L=54	3,38,44

	s=3,m=1	54.5	0.45	4.0	4.0	4.0	0.14	0.58	0.44	0.91	2d8/12 L=54	44,38,44
786	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.62	0.20	0.04	2d8/5 L=50	44,44,44
	s=3,m=1	120.5	0.45	4.0	4.0	0.0	0.14	0.03	0.19	0.18	2d8/25 L=70	1,44,44
759	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.18	0.18	2d8/25 L=70	1,44,44
	s=3,m=1	120.5	0.45	4.0	4.0	0.0	0.14	0.61	0.17	0.04	2d8/5 L=50	44,44,41
802	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.62	0.34	0.47	2d8/25 L=54	44,41,41
	s=3,m=1	54.5	0.45	4.0	4.0	0.0	0.14	0.28	0.33	0.46	2d8/25 L=54	3,41,41
745	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.09	0.15	0.08	2d8/25 L=38	4,41,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.15	0.09	2d8/25 L=38	38,41,3
461	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.05	0.03	2d8/25 L=38	38,41,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.06	0.04	2d8/25 L=38	22,41,4
411	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.03	0.02	2d8/25 L=38	25,43,25
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.02	0.01	2d8/25 L=38	3,23,25
568	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.02	0.01	2d8/25 L=38	3,23,25
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.02	4.82e-03	2d8/25 L=38	3,23,25
513	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.02	8.43e-03	2d8/25 L=38	3,27,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.02	3.13e-03	2d8/25 L=38	3,27,16
616	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.02	6.94e-03	2d8/25 L=38	3,21,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	8.33e-03	0.02	3.42e-03	2d8/25 L=38	3,24,2
588	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.23e-03	0.02	6.28e-03	2d8/25 L=38	3,28,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.86e-03	0.02	3.97e-03	2d8/25 L=38	3,28,2
549	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.84e-03	0.02	5.75e-03	2d8/25 L=38	3,25,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.02e-03	0.02	4.34e-03	2d8/25 L=38	3,25,2
486	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.99e-03	0.01	5.67e-03	2d8/25 L=38	3,25,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.27e-03	0.01	4.48e-03	2d8/25 L=38	3,25,1
617	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.25e-03	0.01	5.46e-03	2d8/25 L=38	3,28,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.73e-03	0.01	4.56e-03	2d8/25 L=38	3,28,2
581	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.74e-03	0.02	5.40e-03	2d8/25 L=38	3,28,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.28e-03	0.02	4.63e-03	2d8/25 L=38	3,28,2
535	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.26e-03	0.02	3.86e-03	2d8/25 L=38	3,28,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.60e-03	0.02	6.26e-03	2d8/25 L=38	3,28,3
433	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.89e-03	0.03	5.03e-03	2d8/25 L=38	3,44,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.83e-03	0.03	4.91e-03	2d8/25 L=38	3,44,4
966	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.52e-03	0.02	6.21e-03	2d8/25 L=38	3,36,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.23e-03	0.01	3.93e-03	2d8/25 L=38	3,36,2
956	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.27e-03	0.01	4.65e-03	2d8/25 L=38	3,36,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.71e-03	0.01	5.39e-03	2d8/25 L=38	3,36,3
943	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.69e-03	0.01	4.88e-03	2d8/25 L=38	3,34,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.80e-03	0.01	5.07e-03	2d8/25 L=38	3,34,4
930	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.77e-03	0.02	4.86e-03	2d8/25 L=38	3,34,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.90e-03	0.02	5.10e-03	2d8/25 L=38	3,34,4
912	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.88e-03	0.02	3.67e-03	2d8/25 L=38	3,34,41
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.66e-03	0.03	6.70e-03	2d8/25 L=38	3,42,3
891	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.90e-03	0.03	4.18e-03	2d8/25 L=38	3,44,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	7.92e-03	0.03	5.92e-03	2d8/25 L=38	3,44,3
869	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.58e-03	0.04	5.12e-03	2d8/25 L=38	3,40,44
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	7.63e-03	0.04	5.25e-03	2d8/25 L=38	3,42,41
843	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.56e-03	0.03	3.56e-03	2d8/25 L=38	3,42,28
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	9.40e-03	0.03	6.79e-03	2d8/25 L=38	3,42,3
818	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	9.26e-03	0.03	5.77e-03	2d8/25 L=38	3,40,28
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.03	7.54e-03	2d8/25 L=38	25,3,25
794	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.03	0.02	2d8/25 L=38	25,3,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	7.26e-03	0.03	6.43e-03	2d8/25 L=38	28,3,3
775	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.13e-03	0.10	0.11	2d8/25 L=38	28,41,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.09	0.10	0.10	2d8/25 L=38	3,41,3
							M_T= 26	**Z=760.0**	**N=5964**	**N=6010**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
701	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.08	0.16	0.16	2d8/25 L=38	29,3,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.06	0.16	0.15	2d8/25 L=38	29,32,29
731	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.06	0.11	0.02	2d8/25 L=38	29,3,17
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.12	0.03	2d8/25 L=38	29,3,17
765	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.11	0.02	2d8/25 L=38	29,33,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.12	0.03	2d8/25 L=38	29,33,29
806	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.09	8.67e-03	2d8/25 L=38	29,33,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.36e-03	0.10	0.02	2d8/25 L=38	29,33,29
832	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.46e-03	0.11	5.80e-03	2d8/25 L=38	29,33,32
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.38e-03	0.11	0.01	2d8/25 L=38	42,33,29
860	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.40e-03	0.08	4.63e-03	2d8/25 L=38	42,33,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.36e-03	0.08	5.46e-03	2d8/25 L=38	3,33,3
884	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.52e-03	0.07	6.08e-03	2d8/25 L=38	34,33,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.22e-03	0.06	4.63e-03	2d8/25 L=38	34,33,36
906	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.22e-03	0.03	4.83e-03	2d8/25 L=38	34,33,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.47e-03	0.04	5.15e-03	2d8/25 L=38	34,33,3
925	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.47e-03	0.03	4.96e-03	2d8/25 L=38	34,33,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.86e-03	0.03	4.98e-03	2d8/25 L=38	34,33,1
938	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.87e-03	0.02	5.03e-03	2d8/25 L=38	34,29,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.54e-03	0.02	4.93e-03	2d8/25 L=38	34,29,1
951	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.54e-03	0.02	5.04e-03	2d8/25 L=38	34,29,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.32e-03	0.02	4.94e-03	2d8/25 L=38	34,29,1
963	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.32e-03	0.03	5.26e-03	2d8/25 L=38	34,29,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.99e-03	0.03	4.73e-03	2d8/25 L=38	3,29,2
371	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.98e-03	0.02	5.11e-03	2d8/25 L=38	3,29,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	2.83e-03	0.02	4.85e-03	2d8/25 L=38	3,29,2
504	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.85e-03	0.02	5.04e-03	2d8/25 L=38	3,32,35
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.02e-03	0.02	5.18e-03	2d8/25 L=38	3,32,4
559	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.03e-03	0.03	4.76e-03	2d8/25 L=38	3,4,1
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.34e-03	0.03	5.27e-03	2d8/25 L=38	3,4,4
599	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.38e-03	0.02	4.82e-03	2d8/25 L=38	3,16,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	3.79e-03	0.02	5.51e-03	2d8/25 L=38	3,16,35
369	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.81e-03	0.02	4.69e-03	2d8/25 L=38	3,16,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.16e-03	0.02	5.29e-03	2d8/25 L=38	3,16,3
507	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.18e-03	0.02	4.51e-03	2d8/25 L=38	3,16,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.79e-03	0.02	5.55e-03	2d8/25 L=38	3,16,3
561	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.83e-03	0.02	4.46e-03	2d8/25 L=38	3,16,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.49e-03	0.03	5.58e-03	2d8/25 L=38	3,16,3
593	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.49e-03	0.03	4.26e-03	2d8/25 L=38	3,16,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.31e-03	0.03	5.74e-03	2d8/25 L=38	3,16,1
452	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.35e-03	0.03	5.23e-03	2d8/25 L=38	3,15,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	7.76e-03	0.03	7.22e-03	2d8/25 L=38	3,20,32
528	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.02e-03	0.03	9.60e-03	2d8/25 L=38	32,15,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.03	0.01	2d8/25 L=38	32,15,32

574	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.04	0.02	2d8/25 L=38	32,35,35
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.04	0.03	2d8/25 L=38	32,35,34
423	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.05	0.09	0.05	2d8/25 L=38	32,35,35
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.11	0.08	0.05	2d8/25 L=38	34,34,34
717	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.11	0.08	0.05	2d8/25 L=54	34,29,29
	s=3,m=1	54.5	0.45	4.0	4.0	0.0	0.14	0.17	0.07	0.04	2d8/25 L=54	32,29,32
784	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.19	0.04	0.03	2d8/25 L=40	32,14,32
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.15	0.04	0.02	2d8/25 L=40	32,13,32
1151	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.12	0.06	0.06	2d8/25 L=40	32,30,36
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.05	0.05	0.05	2d8/25 L=40	32,13,36
1152	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.05	0.06	0.05	2d8/25 L=40	33,30,36
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.01	0.06	0.04	2d8/25 L=40	3,13,33
757	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.06	0.05	2d8/25 L=40	3,34,36
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.06	0.06	0.05	2d8/25 L=40	36,34,33
1149	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.05	0.08	0.05	2d8/25 L=40	36,30,32
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.11	0.07	0.06	2d8/25 L=40	29,30,29
1150	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.13	0.12	0.05	2d8/25 L=40	29,14,36
	s=3,m=1	40.2	0.45	4.0	4.0	0.0	0.14	0.18	0.11	0.04	2d8/25 L=40	29,14,36
801	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.16	0.28	0.88	2d8/25 L=54	29,29,4
	s=3,m=1	54.5	0.45	4.0	4.0	4.0	0.14	0.08	0.27	0.84	2d8/25 L=54	4,29,4
741	ok,ok	0.0	0.45	4.0	4.0	4.0	0.14	0.08	0.32	0.94	2d8/20 L=38	4,4,4
	s=3,m=1	38.3	0.45	4.0	4.0	4.0	0.14	0.07	0.32	0.96	2d8/20 L=38	34,4,4
455	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.07	0.20	0.07	2d8/25 L=38	34,4,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.03	0.21	0.08	2d8/25 L=38	29,4,34
379	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.03	0.10	0.02	2d8/25 L=38	29,4,29
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.10	0.01	2d8/25 L=38	3,4,32
556	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.07	0.01	2d8/25 L=38	3,4,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.06	2.57e-03	2d8/25 L=38	3,4,32
491	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.05	8.15e-03	2d8/25 L=38	3,4,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.01	0.05	2.48e-03	2d8/25 L=38	3,4,2
608	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.03	6.91e-03	2d8/25 L=38	3,4,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	8.46e-03	0.02	3.46e-03	2d8/25 L=38	3,4,2
580	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	8.30e-03	0.02	6.35e-03	2d8/25 L=38	3,4,4
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.81e-03	0.02	3.95e-03	2d8/25 L=38	3,4,1
541	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.78e-03	0.01	5.59e-03	2d8/25 L=38	3,35,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.10e-03	0.01	4.44e-03	2d8/25 L=38	3,35,2
451	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.06e-03	0.01	5.45e-03	2d8/25 L=38	3,35,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.54e-03	0.01	4.55e-03	2d8/25 L=38	3,35,2
609	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.50e-03	0.01	5.40e-03	2d8/25 L=38	3,34,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.04e-03	0.01	4.61e-03	2d8/25 L=38	3,34,2
576	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.01e-03	0.01	5.38e-03	2d8/25 L=38	3,34,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.57e-03	0.01	4.63e-03	2d8/25 L=38	3,34,2
520	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.53e-03	0.01	5.16e-03	2d8/25 L=38	3,35,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.32e-03	0.01	4.80e-03	2d8/25 L=38	3,35,2
413	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.32e-03	0.02	4.95e-03	2d8/25 L=38	3,34,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.34e-03	0.02	4.99e-03	2d8/25 L=38	3,34,3
965	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.33e-03	0.02	4.96e-03	2d8/25 L=38	3,34,2
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.34e-03	0.02	4.98e-03	2d8/25 L=38	3,34,3
955	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.32e-03	0.03	4.98e-03	2d8/25 L=38	3,34,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.30e-03	0.02	4.95e-03	2d8/25 L=38	3,34,2
942	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.28e-03	0.03	5.09e-03	2d8/25 L=38	3,34,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	4.82e-03	0.03	4.87e-03	2d8/25 L=38	29,34,2
929	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.82e-03	0.04	5.27e-03	2d8/25 L=38	29,36,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.50e-03	0.04	4.74e-03	2d8/25 L=38	29,36,2
911	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.51e-03	0.06	4.39e-03	2d8/25 L=38	29,34,33
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.03e-03	0.07	6.19e-03	2d8/25 L=38	29,30,3
890	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.24e-03	0.08	5.47e-03	2d8/25 L=38	3,34,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	5.02e-03	0.07	4.63e-03	2d8/25 L=38	37,34,2
868	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.98e-03	0.11	0.01	2d8/25 L=38	37,34,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	6.75e-03	0.11	5.72e-03	2d8/25 L=38	35,34,35
842	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.69e-03	0.10	0.02	2d8/25 L=38	35,34,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.02	0.09	8.43e-03	2d8/25 L=38	34,34,34
817	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.11	0.03	2d8/25 L=38	34,30,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.04	0.11	0.02	2d8/25 L=38	34,30,34
793	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.04	0.12	0.03	2d8/25 L=38	34,3,3
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.06	0.12	0.02	2d8/25 L=38	34,3,22
773	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.06	0.17	0.16	2d8/25 L=38	34,35,34
	s=3,m=1	38.3	0.45	4.0	4.0	0.0	0.14	0.09	0.17	0.16	2d8/25 L=38	34,3,34
							M_T= 27	**Z=760.0**	**N=5965**	**N=5992**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
702	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.06	0.25	0.19	2d8/12 L=78	19,4,4
	s=4,m=1	78.5	0.37	10.3	11.2	0.0	0.06	0.16	0.14	0.10	2d8/12 L=78	4,19,19
718	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.16	0.13	0.09	2d8/12 L=7	4,19,19
	s=4,m=1	120.5	0.37	10.3	11.2	0.0	0.06	0.23	0.10	0.16	2d8/25 L=147	19,18,18
		241.0	0.37	10.3	11.2	0.0	0.08	0.24	0.28	0.21	2d8/12 L=86	18,3,3
742	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.24	0.11	0.15	2d8/25 L=53	18,19,19
	s=4,m=1	53.5	0.37	10.3	11.2	0.0	0.08	0.20	0.17	0.24	2d8/25 L=53	18,19,19
774	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.11	0.06	0.06	2d8/25 L=26	18,19,19
	s=4,m=1	25.8	0.37	10.3	11.2	0.0	0.08	0.10	0.08	0.08	2d8/25 L=26	18,19,19
465	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.10	0.10	0.14	2d8/25 L=40	18,18,18
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	0.06	0.07	0.10	2d8/25 L=40	18,18,18
476	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.06	0.08	0.10	2d8/25 L=40	18,38,18
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	0.04	0.05	0.07	2d8/25 L=40	3,38,18
480	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.04	0.06	0.07	2d8/25 L=40	3,18,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	0.02	0.03	0.03	2d8/25 L=40	3,18,18
495	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.02	0.06	0.08	2d8/25 L=55	3,3,3
	s=4,m=1	55.2	0.37	10.3	11.2	0.0	0.08	8.38e-03	0.02	0.01	2d8/25 L=55	32,24,36
516	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.02	0.07	0.05	2d8/25 L=24	23,44,3
	s=4,m=1	24.2	0.37	10.3	11.2	0.0	0.08	0.01	0.05	0.01	2d8/25 L=24	23,44,21
519	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.01	0.08	0.08	2d8/25 L=40	23,44,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	5.32e-03	0.05	0.02	2d8/25 L=40	18,44,22
527	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	5.29e-03	0.07	0.06	2d8/25 L=40	18,44,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	7.96e-03	0.05	0.03	2d8/25 L=40	18,44,4
534	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	7.96e-03	0.06	0.06	2d8/25 L=40	18,44,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.06	9.58e-03	0.06	0.04	2d8/25 L=40	13,44,4
538	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	9.54e-03	0.05	0.05	2d8/25 L=40	13,3,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.06	9.17e-03	0.05	0.05	2d8/25 L=40	13,44,4
567	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	9.17e-03	0.05	0.03	2d8/25 L=40	13,27,3
	s=4,m=1	39.7	0.37	10.3	11.2	0.0	0.08	6.71e-03	0.07	0.06	2d8/25 L=40	33,3,4
							M_T= 28	**Z=760.0**	**N=5962**	**N=6010**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb

698	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	1.75e-03	0.05	0.06	2d8/25 L=39	3,25,3
	s=6,m=1	39.3	0.40	10.3	12.3	0.0	0.08	8.24e-03	0.03	0.03	2d8/25 L=39	22,39,23
728	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	8.19e-03	0.05	0.06	2d8/25 L=39	22,3,3
	s=6,m=1	39.3	0.40	10.3	12.3	0.0	0.05	0.01	0.03	0.02	2d8/25 L=39	22,41,3
714	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.01	0.05	0.08	2d8/25 L=40	22,3,3
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.02	0.03	0.03	2d8/25 L=40	3,25,22
866	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.06	2d8/25 L=40	3,27,3
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.03	0.03	0.04	2d8/25 L=40	3,41,21
839	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.03	0.04	0.04	2d8/25 L=40	3,38,22
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.05	2d8/25 L=40	3,27,3
814	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.05	2d8/25 L=40	3,30,22
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.02	0.06	0.06	2d8/25 L=40	14,23,23
782	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.03	0.05	2d8/25 L=40	14,3,3
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.03	0.03	0.04	2d8/25 L=40	22,23,3
755	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.03	0.04	0.05	2d8/25 L=40	22,23,3
	s=6,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.02	0.03	0.04	2d8/25 L=40	14,22,22
738	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.03	0.05	2d8/25 L=40	14,23,23
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.05	2d8/25 L=40	3,22,22
790	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.03	0.04	2d8/25 L=40	3,3,3
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.05	2d8/25 L=40	3,3,3
824	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.04	2d8/25 L=40	3,44,3
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.05	2d8/25 L=40	3,38,3
854	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.03	0.04	2d8/25 L=40	3,28,23
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.05	0.02	0.04	0.06	2d8/25 L=40	24,22,22
878	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.02	0.03	0.03	2d8/25 L=40	24,39,23
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.02	0.05	0.07	2d8/25 L=40	23,25,3
900	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.02	0.03	0.03	2d8/25 L=40	23,25,22
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.06	2d8/25 L=40	24,39,3
920	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.06	2d8/25 L=40	24,25,22
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	5.83e-03	0.05	0.07	2d8/25 L=40	39,28,23
934	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	5.86e-03	0.04	0.04	2d8/25 L=40	39,41,25
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.02	0.06	0.07	2d8/25 L=40	23,44,3
947	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.02	0.04	0.05	2d8/25 L=40	23,38,38
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.03	0.08	0.11	2d8/25 L=40	44,3,3
959	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.03	0.07	0.08	2d8/25 L=40	44,38,30
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.07	0.11	0.14	2d8/25 L=40	44,3,3
967	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.07	0.11	0.10	2d8/25 L=40	44,44,44
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.11	0.15	0.17	2d8/25 L=40	44,3,3
466	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.12	0.17	0.18	2d8/25 L=40	44,44,28
	s=6,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.19	0.20	0.24	2d8/25 L=40	44,44,28
770	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.19	0.17	0.17	2d8/25 L=44	44,25,25
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.27	0.16	0.22	2d8/25 L=44	28,24,28
845	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.27	0.20	0.17	2d8/25 L=44	28,25,25
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.31	0.16	0.13	2d8/25 L=44	28,25,28
820	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.32	0.20	0.22	2d8/25 L=48	28,41,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.27	0.15	0.11	2d8/25 L=48	28,41,3
1153	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.24	0.22	0.26	2d8/25 L=48	28,44,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.15	0.18	0.18	2d8/25 L=48	28,44,28
1154	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.21	0.24	2d8/25 L=48	28,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.13	0.16	0.17	2d8/25 L=48	25,44,28
1155	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.17	0.20	2d8/25 L=48	25,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.13	0.12	0.13	2d8/25 L=48	25,44,28
1156	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.13	0.17	2d8/25 L=48	25,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.13	0.09	0.10	2d8/25 L=48	3,44,28
1157	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.11	0.14	2d8/25 L=48	3,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.14	0.08	0.09	2d8/25 L=48	3,41,25
1158	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.14	0.11	0.11	2d8/25 L=48	3,44,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.13	0.12	0.12	2d8/25 L=48	3,41,25
1159	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.11	0.09	2d8/25 L=48	3,41,28
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.14	0.16	0.16	2d8/25 L=48	28,41,25
1160	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.14	0.15	0.13	2d8/25 L=48	28,41,25
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.15	0.20	0.21	2d8/25 L=48	28,41,25
1161	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.18	0.16	2d8/25 L=48	28,41,25
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.16	0.23	0.23	2d8/25 L=48	28,41,25
1162	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.16	0.17	0.09	2d8/25 L=48	28,39,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.20	0.22	0.20	2d8/25 L=48	25,39,3
810	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.19	0.23	0.17	2d8/25 L=44	25,44,28
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.16	0.27	0.24	2d8/25 L=44	25,44,28
849	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.17	0.17	0.24	2d8/25 L=44	41,25,25
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.13	0.20	0.30	2d8/25 L=44	41,28,28
875	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.11	0.18	0.27	2d8/25 L=44	41,25,25
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.13	0.18	0.27	2d8/25 L=44	23,28,28
897	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.15	0.21	2d8/25 L=44	23,25,25
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.16	0.11	0.15	2d8/25 L=44	23,25,25
835	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.16	0.14	0.21	2d8/25 L=54	23,3,3
	s=6,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.13	0.08	0.08	2d8/25 L=54	21,39,3
1223	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.12	0.15	0.22	2d8/25 L=54	21,27,24
	s=6,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.13	0.10	0.14	2d8/25 L=54	25,27,24
1224	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.12	0.13	0.18	2d8/25 L=54	25,27,24
	s=6,m=1	53.7	0.40	10.3	12.3	0.0	0.05	0.12	0.08	0.10	2d8/25 L=54	25,27,24
1225	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.11	0.13	2d8/25 L=54	25,43,24
	s=6,m=1	53.7	0.40	10.3	12.3	0.0	0.05	0.13	0.08	0.06	2d8/25 L=54	3,41,21
871	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.09	0.09	2d8/25 L=52	3,28,24
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.05	0.12	0.10	0.09	2d8/25 L=52	3,41,21
1213	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.06	0.07	2d8/25 L=52	3,28,24
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.05	0.11	0.10	0.13	2d8/25 L=52	3,21,21
1214	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.11	0.07	0.09	2d8/25 L=52	3,21,21
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.10	0.12	0.16	2d8/25 L=52	23,21,21
1215	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.10	0.10	0.13	2d8/25 L=52	23,25,22
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.09	0.15	0.21	2d8/25 L=52	24,25,22
1216	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.09	0.12	0.16	2d8/25 L=52	24,33,21
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.18	0.18	0.25	2d8/25 L=52	25,3,3
1217	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.13	0.10	2d8/25 L=52	25,43,3
	s=6,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.26	0.18	0.22	2d8/25 L=52	25,43,3
862	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.24	0.15	0.15	2d8/25 L=44	25,35,23
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.21	0.19	0.22	2d8/25 L=44	25,35,23
914	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.22	0.30	0.37	2d8/25 L=44	41,22,22
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.16	0.26	0.30	2d8/25 L=44	31,22,22
893	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.24	0.28	2d8/25 L=44	41,23,23
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.21	0.28	0.34	2d8/25 L=44	35,23,23
917	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.21	0.29	0.22	2d8/25 L=44	35,34,22

	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.22	0.25	0.16	2d8/25 L=44	35,34,22
886	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.22	0.21	2d8/25 L=48	35,35,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.18	0.18	0.10	2d8/25 L=48	23,35,3
1163	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.16	0.23	0.23	2d8/25 L=48	23,35,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.10	0.19	0.15	2d8/25 L=48	22,35,23
1164	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.10	0.20	0.20	2d8/25 L=48	22,35,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.10	0.15	0.13	2d8/25 L=48	22,35,23
1165	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.10	0.15	0.16	2d8/25 L=48	22,35,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.11	0.11	0.09	2d8/25 L=48	3,35,23
1166	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.10	0.11	0.13	2d8/25 L=48	3,35,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.12	0.07	0.06	2d8/25 L=48	3,35,22
1167	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.08	0.10	2d8/25 L=48	3,23,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.13	0.06	0.09	2d8/25 L=48	3,22,22
1168	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.06	0.07	2d8/25 L=48	3,35,23
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.11	0.08	0.11	2d8/25 L=48	3,25,22
1169	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.07	0.08	2d8/25 L=48	3,34,22
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.12	0.11	0.15	2d8/25 L=48	23,34,22
1170	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.11	0.12	2d8/25 L=48	23,34,22
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.11	0.15	0.19	2d8/25 L=48	23,34,22
1171	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.11	0.14	0.14	2d8/25 L=48	23,30,22
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.12	0.19	0.22	2d8/25 L=48	22,34,3
1172	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.15	0.09	2d8/25 L=48	22,35,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.17	0.20	0.20	2d8/25 L=48	22,35,3
908	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.16	0.17	0.12	2d8/25 L=44	25,35,34
	s=6,m=1	43.7	0.40	10.3	12.3	0.0	0.08	0.15	0.21	0.19	2d8/25 L=44	21,35,35
932	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.25	0.27	2d8/25 L=44	21,34,34
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.14	0.23	0.22	2d8/25 L=44	33,35,35
945	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.22	0.31	2d8/25 L=44	33,34,34
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.20	0.18	0.24	2d8/25 L=44	35,34,34
957	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.34	0.25	2d8/25 L=44	35,34,34
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.22	0.30	0.18	2d8/25 L=44	35,34,34
926	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.22	0.26	0.21	2d8/25 L=48	35,35,3
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.18	0.21	0.10	2d8/25 L=48	34,35,3
1173	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.18	0.29	0.23	2d8/25 L=48	34,35,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.18	0.24	0.16	2d8/25 L=48	34,35,35
1174	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.18	0.25	0.21	2d8/25 L=48	34,35,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.16	0.21	0.14	2d8/25 L=48	34,35,35
1175	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.16	0.20	0.16	2d8/25 L=48	34,35,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.16	0.16	0.09	2d8/25 L=48	3,34,34
1176	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.16	0.15	0.12	2d8/25 L=48	3,35,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.16	0.15	0.11	2d8/25 L=48	3,34,34
1177	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.16	0.11	0.09	2d8/25 L=48	3,35,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.14	0.14	0.14	2d8/25 L=48	3,34,34
1178	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.12	0.09	2d8/25 L=48	3,34,34
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.13	0.17	0.17	2d8/25 L=48	35,34,34
1179	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.16	0.13	2d8/25 L=48	35,30,34
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.13	0.21	0.20	2d8/25 L=48	35,30,34
1180	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.21	0.17	2d8/25 L=48	35,30,34
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.12	0.26	0.24	2d8/25 L=48	35,30,34
1181	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.12	0.23	0.17	2d8/25 L=48	35,30,34
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.17	0.28	0.26	2d8/25 L=48	34,30,3
1182	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.19	0.19	0.06	2d8/25 L=48	34,31,35
	s=6,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.21	0.24	0.16	2d8/25 L=48	34,31,3
939	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.21	0.37	0.28	2d8/25 L=44	34,34,34
	s=6,m=1	43.7	0.40	10.3	12.3	0.0	0.08	0.11	0.33	0.22	2d8/25 L=44	34,34,34
952	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.11	0.33	0.34	2d8/25 L=44	34,34,34
	s=6,m=1	43.8	0.40	10.3	12.3	0.0	0.08	7.27e-03	0.29	0.27	2d8/25 L=44	35,34,34
							M_T= 29	**Z=760.0**	**N=5963**	**N=5964**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
700	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	1.97e-03	0.06	0.08	2d8/25 L=39	3,14,14
	s=5,m=1	39.3	0.40	10.3	12.3	0.0	0.08	0.02	0.05	0.07	2d8/25 L=39	13,15,15
730	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.02	0.07	0.08	2d8/25 L=39	13,18,14
	s=5,m=1	39.3	0.40	10.3	12.3	0.0	0.08	0.04	0.04	0.04	2d8/25 L=39	13,19,15
716	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.04	0.08	0.09	2d8/25 L=40	13,43,3
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.05	0.05	0.03	2d8/25 L=40	13,43,16
1067	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.05	0.09	0.12	2d8/25 L=40	13,19,16
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.05	0.06	0.06	2d8/25 L=40	3,19,16
1068	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.05	0.08	0.11	2d8/25 L=40	3,19,16
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.05	0.06	0.07	0.08	2d8/25 L=40	3,13,13
1069	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.06	0.06	0.08	2d8/25 L=40	3,15,15
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.07	0.08	0.10	2d8/25 L=40	16,14,14
1070	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.07	0.06	0.06	2d8/25 L=40	16,14,14
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.08	0.09	0.11	2d8/25 L=40	15,14,14
1071	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.08	0.07	0.04	2d8/25 L=40	15,38,18
	s=5,m=1	40.2	0.40	10.3	12.3	0.0	0.08	0.07	0.10	0.10	2d8/25 L=40	15,38,3
740	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.07	0.08	0.08	2d8/25 L=53	15,18,13
	s=5,m=1	53.5	0.40	10.3	12.3	0.0	0.08	0.03	0.11	0.14	2d8/25 L=53	14,16,16
792	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.04	0.03	6.27e-03	2d8/25 L=26	15,38,15
	s=5,m=1	25.8	0.40	10.3	12.3	0.0	0.08	0.04	0.04	0.03	2d8/25 L=26	15,44,3
825	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.04	0.04	0.05	2d8/25 L=40	15,14,14
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.03	0.05	0.07	2d8/25 L=40	18,15,15
855	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.03	0.03	0.05	2d8/25 L=40	18,14,14
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.02	0.04	0.05	2d8/25 L=40	18,15,15
879	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.02	0.03	0.03	2d8/25 L=40	18,38,14
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.01	0.03	0.04	2d8/25 L=40	38,20,15
901	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.03	2d8/25 L=55	38,38,18
	s=5,m=1	55.2	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.04	2d8/25 L=55	3,3,19
921	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.05	0.02	2d8/25 L=24	38,3,38
	s=5,m=1	24.2	0.40	10.3	12.3	0.0	0.08	0.01	0.06	0.03	2d8/25 L=24	38,3,3
935	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.03	0.02	2d8/25 L=40	38,3,38
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.01	0.07	0.07	2d8/25 L=40	44,3,3
948	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.01	0.04	0.03	2d8/25 L=40	44,39,19
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.03	0.08	0.10	2d8/25 L=40	3,3,3
960	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.03	0.07	0.08	2d8/25 L=40	3,39,19
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.07	0.11	0.14	2d8/25 L=40	3,3,3
968	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.07	0.14	0.16	2d8/25 L=40	3,39,19
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.13	0.17	0.21	2d8/25 L=40	19,39,19
477	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.21	0.24	2d8/25 L=40	19,39,19
	s=5,m=1	39.7	0.40	10.3	12.3	0.0	0.08	0.25	0.24	0.29	2d8/25 L=40	19,39,19
772	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.27	0.18	0.22	2d8/25 L=44	19,15,19
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.38	0.22	0.28	2d8/25 L=44	19,15,19

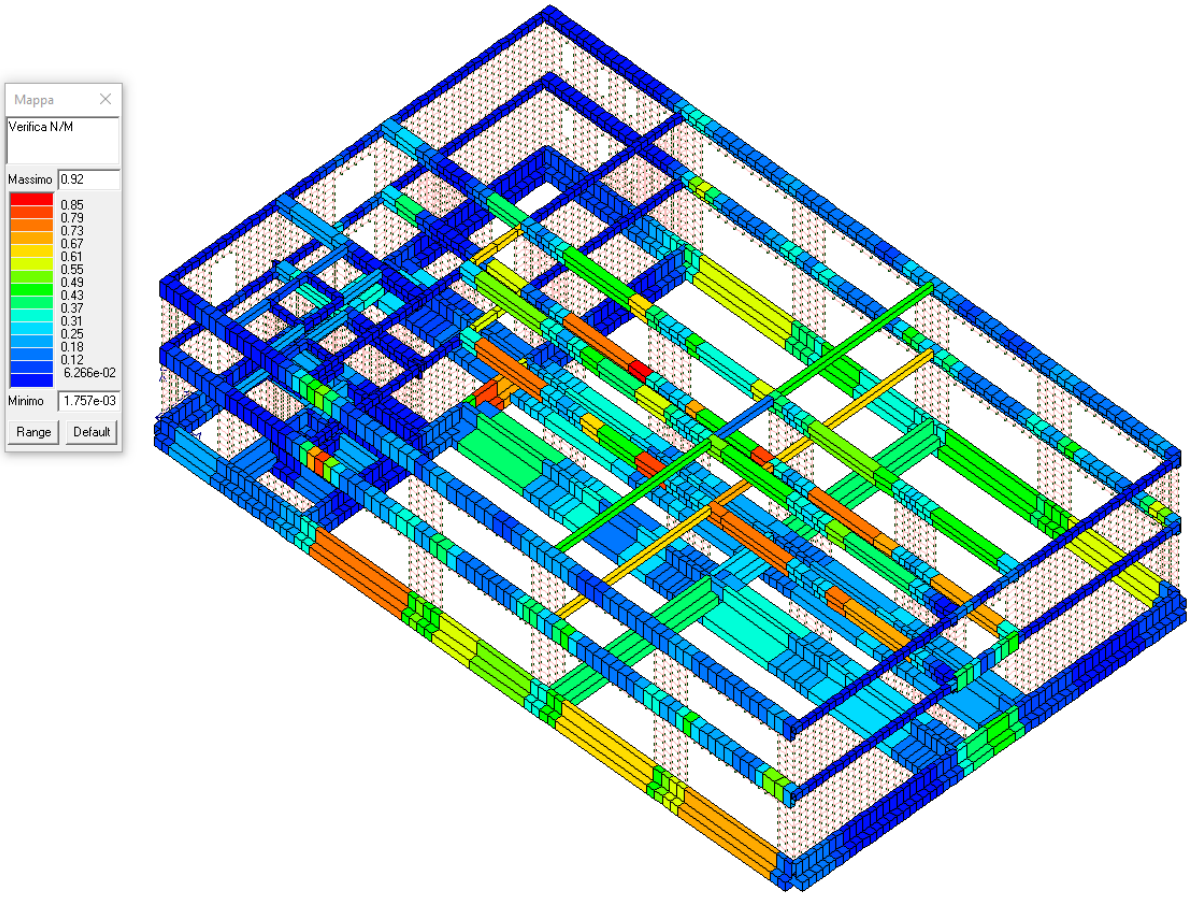
846	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.40	0.17	0.13	2d8/25 L=44	19,38,18
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.47	0.15	0.17	2d8/25 L=44	19,39,19
821	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.50	0.19	0.21	2d8/25 L=48	19,43,3
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.44	0.15	0.10	2d8/25 L=48	19,43,3
1127	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.37	0.25	0.31	2d8/25 L=48	19,39,3
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.26	0.20	0.21	2d8/25 L=48	19,39,19
1128	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.22	0.23	0.28	2d8/25 L=48	19,39,19
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.12	0.19	0.21	2d8/25 L=48	19,39,19
1129	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.11	0.19	0.25	2d8/25 L=48	18,39,19
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.12	0.15	0.17	2d8/25 L=48	18,39,19
1130	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.12	0.16	0.21	2d8/25 L=48	18,39,19
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.11	0.11	0.14	2d8/25 L=48	18,39,19
1131	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.11	0.13	0.18	2d8/25 L=48	18,19,19
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.14	0.09	0.11	2d8/25 L=48	3,19,19
1132	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.14	0.13	0.16	2d8/25 L=48	3,39,19
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.16	0.09	0.10	2d8/25 L=48	3,38,18
1133	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.13	0.14	2d8/25 L=48	3,39,19
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.17	0.13	0.14	2d8/25 L=48	19,38,18
1134	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.17	0.13	0.13	2d8/25 L=48	19,39,19
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.20	0.18	0.19	2d8/25 L=48	19,38,18
1135	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.19	0.16	0.14	2d8/25 L=48	19,38,18
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.21	0.21	0.21	2d8/25 L=48	19,38,18
1136	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.21	0.17	0.08	2d8/25 L=48	19,44,3
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.19	0.22	0.19	2d8/25 L=48	19,44,3
811	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.23	0.23	2d8/25 L=44	19,39,19
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.12	0.26	0.29	2d8/25 L=44	18,39,19
850	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.12	0.22	0.34	2d8/25 L=44	18,19,19
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.08	0.26	0.40	2d8/25 L=44	38,19,19
876	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.09	0.20	0.30	2d8/25 L=44	38,19,19
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.14	0.24	0.36	2d8/25 L=44	16,19,19
898	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.15	0.20	2d8/25 L=44	16,18,18
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.20	0.12	0.17	2d8/25 L=44	16,19,19
836	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.14	0.21	2d8/25 L=54	16,3,3
	s=5,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.15	0.08	0.08	2d8/25 L=54	16,44,3
1142	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.16	0.24	2d8/25 L=54	16,20,15
	s=5,m=1	53.7	0.40	10.3	12.3	0.0	0.08	0.13	0.11	0.16	2d8/25 L=54	18,20,15
1143	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.14	0.20	2d8/25 L=54	18,20,15
	s=5,m=1	53.7	0.40	10.3	12.3	0.0	0.05	0.13	0.09	0.12	2d8/25 L=54	18,20,15
1144	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.12	0.14	2d8/25 L=54	18,40,15
	s=5,m=1	53.7	0.40	10.3	12.3	0.0	0.05	0.12	0.07	0.07	2d8/25 L=54	3,38,14
872	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.09	0.11	2d8/25 L=52	3,40,15
	s=5,m=1	51.7	0.40	10.3	12.3	0.0	0.05	0.13	0.09	0.09	2d8/25 L=52	3,38,14
1137	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.07	0.09	2d8/25 L=52	3,16,16
	s=5,m=1	51.7	0.40	10.3	12.3	0.0	0.05	0.11	0.09	0.13	2d8/25 L=52	3,13,13
1138	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.07	0.09	2d8/25 L=52	3,18,13
	s=5,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.11	0.12	0.17	2d8/25 L=52	20,18,13
1139	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.11	0.10	0.14	2d8/25 L=52	20,18,13
	s=5,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.11	0.15	0.21	2d8/25 L=52	15,18,13
1140	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.12	0.13	0.17	2d8/25 L=52	15,14,14
	s=5,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.17	0.18	0.24	2d8/25 L=52	18,14,14
1141	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.19	0.12	0.10	2d8/25 L=52	18,42,3
	s=5,m=1	51.7	0.40	10.3	12.3	0.0	0.08	0.24	0.17	0.22	2d8/25 L=52	18,42,3
863	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.15	0.18	2d8/25 L=44	18,16,16
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.20	0.20	0.25	2d8/25 L=44	18,16,16
915	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.31	0.39	2d8/25 L=44	18,13,13
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.13	0.26	0.32	2d8/25 L=44	36,13,13
894	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.15	0.27	0.32	2d8/25 L=44	38,16,16
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.21	0.31	0.38	2d8/25 L=44	32,16,16
918	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.23	0.20	0.23	2d8/25 L=44	32,30,14
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.24	0.16	0.16	2d8/25 L=44	32,13,14
887	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.24	0.22	0.21	2d8/25 L=48	16,34,3
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.19	0.18	0.10	2d8/25 L=48	16,34,3
1117	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.18	0.23	0.24	2d8/25 L=48	16,32,3
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.10	0.19	0.16	2d8/25 L=48	13,32,16
1118	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.10	0.19	0.21	2d8/25 L=48	13,32,16
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.10	0.15	0.14	2d8/25 L=48	13,32,16
1119	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.10	0.15	0.17	2d8/25 L=48	13,32,16
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.10	0.10	0.10	2d8/25 L=48	3,32,16
1120	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.10	0.11	0.14	2d8/25 L=48	18,32,16
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.12	0.06	0.07	2d8/25 L=48	3,32,16
1121	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.08	0.11	2d8/25 L=48	3,16,16
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.13	0.06	0.09	2d8/25 L=48	3,13,13
1122	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.07	0.08	2d8/25 L=48	3,32,16
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.12	0.09	0.12	2d8/25 L=48	16,13,13
1123	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.07	0.08	2d8/25 L=48	3,29,13
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.12	0.12	0.15	2d8/25 L=48	16,29,13
1124	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.12	0.11	0.12	2d8/25 L=48	16,33,13
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.12	0.16	0.19	2d8/25 L=48	16,33,13
1125	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.15	0.14	2d8/25 L=48	16,29,13
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.12	0.19	0.21	2d8/25 L=48	13,29,3
1126	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.16	0.09	2d8/25 L=48	13,34,3
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.17	0.21	0.20	2d8/25 L=48	18,34,3
909	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.16	0.25	0.13	2d8/25 L=44	18,32,16
	s=5,m=1	43.7	0.40	10.3	12.3	0.0	0.08	0.14	0.30	0.20	2d8/25 L=44	18,32,16
933	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.19	0.27	2d8/25 L=44	18,29,13
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.13	0.17	0.23	2d8/25 L=44	30,32,16
946	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.14	0.32	0.30	2d8/25 L=44	34,29,29
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.20	0.28	0.24	2d8/25 L=44	32,29,29
958	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.22	0.19	0.24	2d8/25 L=44	32,29,29
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	0.24	0.15	0.17	2d8/25 L=44	32,29,29
927	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.22	0.27	0.21	2d8/25 L=48	32,34,3
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.18	0.22	0.10	2d8/25 L=48	29,34,3
1107	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.18	0.28	0.23	2d8/25 L=48	29,32,32
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.17	0.24	0.16	2d8/25 L=48	29,32,32
1108	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.17	0.24	0.21	2d8/25 L=48	29,32,32
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.16	0.20	0.13	2d8/25 L=48	29,32,32
1109	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.16	0.19	0.16	2d8/25 L=48	29,32,32
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.16	0.15	0.09	2d8/25 L=48	3,29,32
1110	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.14	0.12	2d8/25 L=48	3,32,32
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.16	0.14	0.11	2d8/25 L=48	3,29,29
1111	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.16	0.10	0.09	2d8/25 L=48	3,32,32

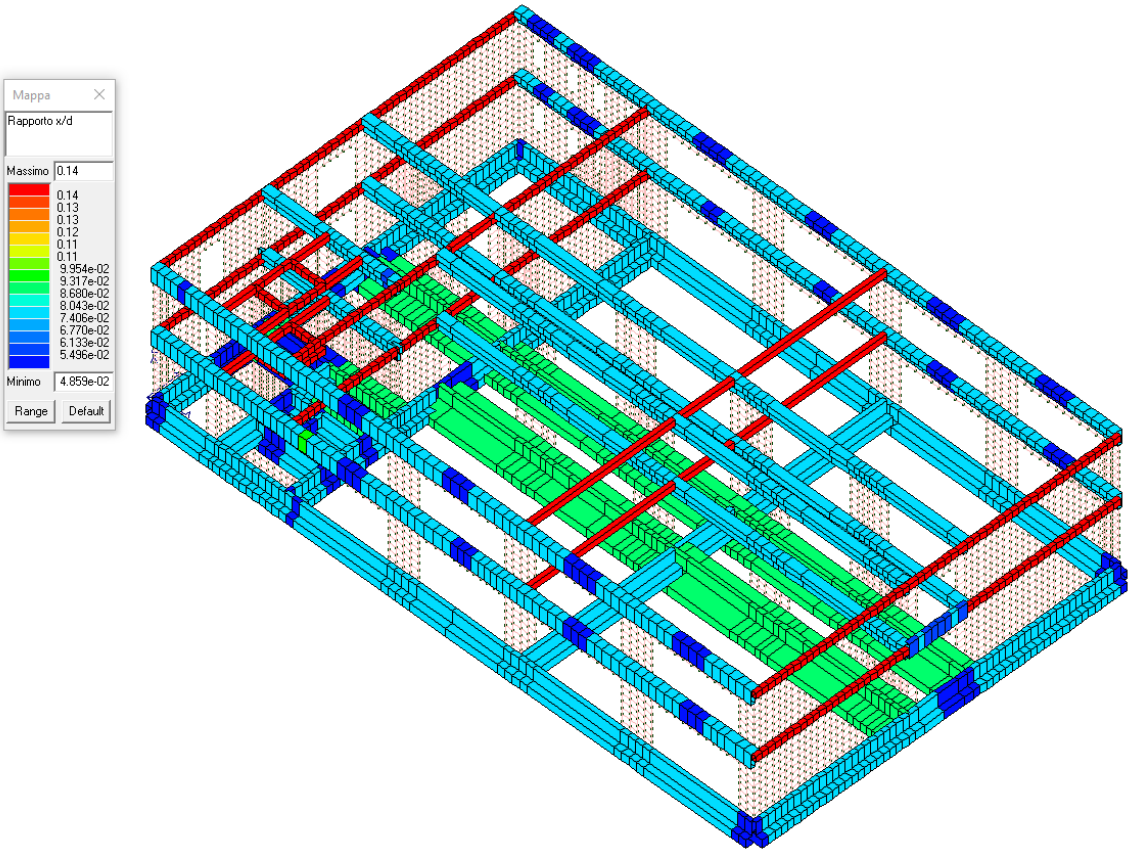
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.14	0.13	0.13	2d8/25 L=48	3,29,29
1112	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.15	0.13	0.09	2d8/25 L=48	3,29,29
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.05	0.13	0.17	0.16	2d8/25 L=48	32,29,29
1113	ok,ok	0.0	0.40	10.3	12.3	0.0	0.05	0.13	0.17	0.13	2d8/25 L=48	32,29,29
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.13	0.21	0.20	2d8/25 L=48	32,29,29
1114	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.13	0.21	0.17	2d8/25 L=48	32,29,29
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.12	0.26	0.24	2d8/25 L=48	32,29,29
1115	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.12	0.24	0.17	2d8/25 L=48	32,29,29
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.17	0.28	0.26	2d8/25 L=48	29,29,3
1116	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.18	0.20	0.06	2d8/25 L=48	29,36,32
	s=5,m=1	47.7	0.40	10.3	12.3	0.0	0.08	0.20	0.24	0.16	2d8/25 L=48	29,36,3
940	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.20	0.37	0.27	2d8/25 L=44	29,29,29
	s=5,m=1	43.7	0.40	10.3	12.3	0.0	0.08	0.11	0.33	0.21	2d8/25 L=44	29,29,29
953	ok,ok	0.0	0.40	10.3	12.3	0.0	0.08	0.11	0.33	0.33	2d8/25 L=44	29,29,29
	s=5,m=1	43.8	0.40	10.3	12.3	0.0	0.08	6.95e-03	0.29	0.26	2d8/25 L=44	32,29,29
							M_T= 30	**Z=760.0**	**N=6040**	**N=6041**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
575	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.37	0.09	0.02	2d8/5 L=50	2,4,2
	s=3,m=1	459.0	0.45	4.0	4.0	0.0	0.14	0.24	0.02	6.57e-03	2d8/25 L=818	2,3,36
		918.0	0.45	4.0	4.0	0.0	0.14	0.48	0.09	0.02	2d8/5 L=50	3,3,3
586	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.14	0.10	8.92e-03	2d8/5 L=50	23,3,23
	s=3,m=1	175.0	0.45	4.0	4.0	0.0	0.14	0.03	0.08	0.01	2d8/25 L=250	1,3,22
		350.0	0.45	4.0	4.0	0.0	0.14	0.15	0.11	9.76e-03	2d8/5 L=50	34,3,22
598	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.47	0.09	0.02	2d8/5 L=50	3,3,3
	s=3,m=1	459.0	0.45	4.0	4.0	0.0	0.14	0.24	0.02	6.11e-03	2d8/25 L=818	2,3,29
		918.0	0.45	4.0	4.0	0.0	0.14	0.38	0.09	0.02	2d8/5 L=50	4,4,2
							M_T= 32	**Z=760.0**	**N=3288**	**N=5970**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
703	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.16	0.03	7.72e-03	2d8/5 L=50	38,18,38
	s=3,m=1	111.3	0.45	4.0	4.0	0.0	0.14	0.02	0.04	0.06	2d8/25 L=122	38,18,38
		222.5	0.45	4.0	4.0	0.0	0.14	0.18	0.06	0.02	2d8/5 L=50	3,18,3
704	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.12	0.09	0.12	2d8/25 L=50	3,42,42
	s=3,m=1	50.0	0.45	4.0	4.0	0.0	0.14	0.05	0.08	0.11	2d8/25 L=50	43,42,42
719	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.05	0.03	8.01e-03	2d8/5 L=120	43,43,43
	s=3,m=1	120.0	0.45	4.0	4.0	0.0	0.14	0.09	0.04	0.01	2d8/5 L=120	42,42,42
743	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.09	0.03	0.03	2d8/25 L=50	42,27,19
	s=3,m=1	50.0	0.45	4.0	4.0	0.0	0.14	0.09	0.04	0.04	2d8/25 L=50	44,27,19
705	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.14	0.06	0.01	2d8/5 L=50	44,3,3
	s=3,m=1	111.3	0.45	4.0	4.0	0.0	0.14	0.02	0.04	0.04	2d8/25 L=122	41,44,28
		222.5	0.45	4.0	4.0	0.0	0.14	0.09	0.03	5.13e-03	2d8/5 L=50	28,25,25
							M_T= 33	**Z=760.0**	**N=5969**	**N=5987**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
706	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	2.84e-03	0.09	0.04	2d8/25 L=40	25,44,4
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	9.75e-03	0.09	0.06	2d8/25 L=40	3,3,3
780	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	9.74e-03	0.05	0.05	2d8/25 L=40	3,3,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	4.79e-03	0.05	0.04	2d8/25 L=40	28,44,4
751	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	4.80e-03	0.04	0.05	2d8/25 L=40	28,44,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	5.08e-03	0.04	0.04	2d8/25 L=40	44,44,4
732	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.07e-03	0.04	0.05	2d8/25 L=40	44,3,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	7.58e-03	0.03	0.04	2d8/25 L=40	17,44,4
720	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	7.53e-03	0.05	0.05	2d8/25 L=40	17,3,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	7.87e-03	0.04	0.04	2d8/25 L=40	14,3,4
							M_T= 34	**Z=760.0**	**N=3338**	**N=6049**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
1056	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.16	0.03	8.48e-03	2d8/5 L=50	44,28,44
	s=3,m=1	111.3	0.45	4.0	4.0	0.0	0.14	8.40e-03	0.05	0.07	2d8/25 L=122	44,28,3
		222.5	0.45	4.0	4.0	0.0	0.14	0.22	0.07	0.02	2d8/5 L=50	3,3,3
707	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.05e-03	0.02	0.01	2d8/25 L=50	19,3,3
	s=3,m=1	50.0	0.45	4.0	4.0	0.0	0.14	0.02	0.03	0.02	2d8/25 L=50	3,3,3
721	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.01	0.02	2d8/25 L=40	3,3,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	5.61e-03	8.12e-03	7.60e-03	2d8/25 L=40	3,3,3
785	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.61e-03	7.94e-03	5.86e-03	2d8/25 L=40	3,15,41
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	5.36e-03	7.85e-03	4.96e-03	2d8/25 L=40	20,23,44
758	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.38e-03	0.01	0.01	2d8/25 L=40	20,28,44
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	0.02	0.02	0.02	2d8/25 L=40	44,28,44
744	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.02	0.02	0.02	2d8/25 L=50	44,20,3
	s=3,m=1	50.0	0.45	4.0	4.0	0.0	0.14	5.65e-03	0.02	8.38e-03	2d8/25 L=50	42,20,44
1057	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.21	0.06	0.02	2d8/5 L=50	44,44,44
	s=3,m=1	111.3	0.45	4.0	4.0	0.0	0.14	0.03	0.04	0.06	2d8/25 L=122	41,44,44
		222.5	0.45	4.0	4.0	0.0	0.14	0.12	0.03	7.71e-03	2d8/5 L=50	44,41,41
							M_T= 35	**Z=760.0**	**N=5967**	**N=5971**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
708	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	6.97e-03	0.10	0.04	2d8/25 L=40	1,3,4
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	0.01	0.12	0.07	2d8/25 L=40	38,3,3
781	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	0.01	0.06	0.06	2d8/25 L=40	38,3,4
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	5.49e-03	0.06	0.05	2d8/25 L=40	38,3,3
752	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	5.46e-03	0.05	0.06	2d8/25 L=40	38,3,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	3.65e-03	0.04	0.05	2d8/25 L=40	3,3,4
733	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	3.66e-03	0.04	0.05	2d8/25 L=40	3,3,4
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	9.73e-03	0.04	0.06	2d8/25 L=40	15,3,3
722	ok,ok	0.0	0.45	4.0	4.0	0.0	0.14	9.80e-03	0.07	0.06	2d8/25 L=40	15,3,3
	s=3,m=1	40.0	0.45	4.0	4.0	0.0	0.14	5.21e-03	0.06	0.05	2d8/25 L=40	18,3,4
							M_T= 36	**Z=760.0**	**N=5974**	**N=5995**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
710	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.05	0.35	0.26	2d8/12 L=78	28,4,4
	s=4,m=1	78.5	0.37	10.3	11.2	0.0	0.06	0.21	0.18	0.13	2d8/12 L=78	4,28,28
724	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.21	0.16	0.12	2d8/12 L=119	4,24,28
	s=4,m=1	119.0	0.37	10.3	11.2	0.0	0.08	0.29	0.20	0.16	2d8/12 L=119	28,21,25
760	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.10	0.10	0.11	2d8/25 L=40	28,28,28
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.13	0.15	0.20	2d8/25 L=40	28,25,25
803	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.13	0.09	0.11	2d8/25 L=40	28,28,25
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.07	0.15	0.20	2d8/25 L=40	28,28,28
830	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.07	0.09	0.13	2d8/25 L=42	28,25,25
	s=4,m=1	42.0	0.37	10.3	11.2	0.0	0.08	0.03	0.13	0.17	2d8/25 L=42	25,28,28
746	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.03	0.09	0.10	2d8/25 L=38	25,26,25
	s=4,m=1	38.0	0.37	10.3	11.2	0.0	0.08	0.01	0.10	0.12	2d8/25 L=38	25,44,28
795	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.01	0.09	0.09	2d8/25 L=40	25,26,25
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	8.66e-03	0.09	0.09	2d8/25 L=40	16,44,28
826	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	8.73e-03	0.08	0.10	2d8/25 L=40	16,3,25
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.02	0.08	0.09	2d8/25 L=40	28,28,28
856	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.02	0.10	0.14	2d8/25 L=40	28,25,25

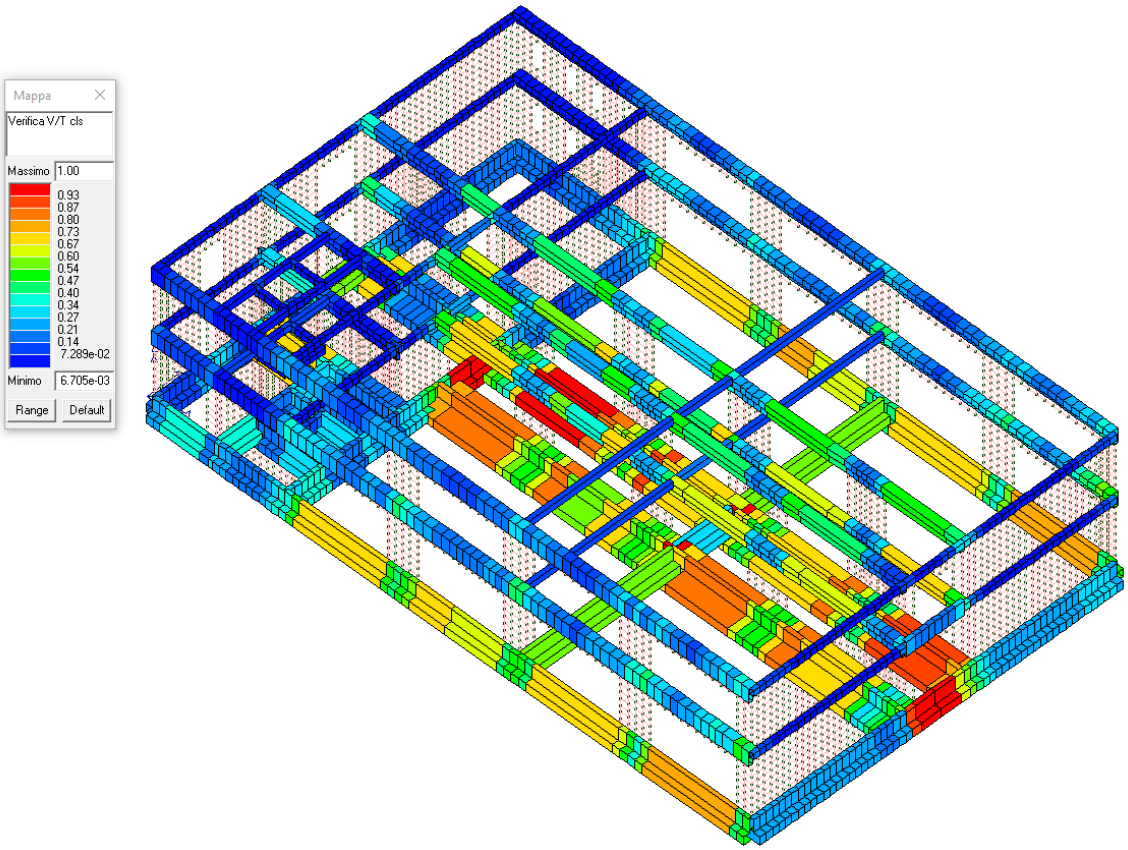
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.05	0.08	0.11	2d8/25 L=40	25,28,28
880	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.05	0.13	0.19	2d8/25 L=40	25,25,25
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.10	0.09	0.14	2d8/25 L=40	25,28,28
902	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.10	0.14	0.20	2d8/25 L=40	25,25,25
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.15	0.08	0.11	2d8/25 L=40	25,28,28
922	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.15	0.17	0.25	2d8/25 L=40	25,20,28
	s=4,m=1	40.0	0.37	10.3	11.2	0.0	0.08	0.09	0.16	0.22	2d8/25 L=40	25,17,25
776	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.30	0.25	0.18	2d8/12 L=198	25,28,28
	s=4,m=1	198.0	0.37	10.3	11.2	0.0	0.08	0.43	0.45	0.34	2d8/12 L=198	25,25,25
712	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.20	0.11	0.05	2d8/25 L=40	25,44,41
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.20	0.16	0.12	2d8/25 L=40	25,44,44
754	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.20	0.20	0.27	2d8/25 L=48	25,25,25
	s=4,m=1	47.9	0.37	10.3	11.2	0.0	0.08	0.13	0.15	0.20	2d8/25 L=48	4,28,28
736	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.12	0.15	0.21	2d8/25 L=31	4,18,25
	s=4,m=1	31.3	0.37	10.3	11.2	0.0	0.08	0.13	0.16	0.23	2d8/25 L=31	4,28,28
840	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.13	0.16	0.23	2d8/25 L=40	4,19,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.21	0.20	0.31	2d8/25 L=40	15,19,15
815	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.21	0.16	0.22	2d8/25 L=40	15,19,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.31	0.21	0.29	2d8/25 L=40	15,19,15
789	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.32	0.25	0.35	2d8/25 L=40	15,19,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.20	0.20	0.27	2d8/25 L=40	15,19,15
768	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.48	0.44	0.34	2d8/12 L=86	15,4,4
	s=4,m=1	374.9	0.37	10.3	11.2	0.0	0.08	0.24	0.32	0.47	2d8/25 L=289	15,18,14
726	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.25	0.32	0.47	2d8/25 L=14	15,18,14
	s=4,m=1	100.1	0.37	10.3	11.2	0.0	0.08	0.62	0.49	0.38	2d8/12 L=86	14,3,3
762	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.20	0.28	2d8/25 L=45	14,18,14
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.40	0.26	0.39	2d8/25 L=45	14,3,3
804	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.42	0.26	0.38	2d8/25 L=30	14,18,14
	s=4,m=1	29.9	0.37	10.3	11.2	0.0	0.08	0.31	0.22	0.33	2d8/25 L=30	14,18,14
748	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.29	0.28	0.42	2d8/25 L=60	14,14,14
	s=4,m=1	60.1	0.37	10.3	11.2	0.0	0.08	0.23	0.21	0.31	2d8/25 L=60	3,14,14
844	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.23	0.22	0.31	2d8/25 L=45	3,14,14
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.29	0.20	0.29	2d8/25 L=45	15,15,15
874	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.30	0.25	0.35	2d8/25 L=45	15,3,4
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.19	0.17	0.23	2d8/25 L=45	15,15,15
819	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.45	0.46	0.33	2d8/12 L=65	15,4,4
	s=4,m=1	64.5	0.37	10.3	11.2	0.0	0.08	0.26	0.33	0.23	2d8/12 L=65	14,4,4
796	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.26	0.33	0.23	2d8/12 L=21	14,4,4
	s=4,m=1	310.3	0.37	10.3	11.2	0.0	0.08	0.22	0.34	0.48	2d8/25 L=289	15,3,3
778	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.22	0.34	0.48	2d8/25 L=1	15,3,3
	s=4,m=1	87.5	0.37	10.3	11.2	0.0	0.08	0.55	0.51	0.37	2d8/12 L=86	14,3,3
822	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.25	0.30	0.32	2d8/25 L=40	14,3,14
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.39	0.38	0.40	2d8/25 L=40	14,3,3
853	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.38	0.26	0.31	2d8/25 L=48	14,13,14
	s=4,m=1	47.9	0.37	10.3	11.2	0.0	0.08	0.28	0.22	0.22	2d8/25 L=48	3,15,14
812	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.23	0.30	2d8/25 L=31	3,14,14
	s=4,m=1	31.3	0.37	10.3	11.2	0.0	0.08	0.26	0.21	0.25	2d8/25 L=31	3,15,15
913	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.26	0.19	0.24	2d8/25 L=40	3,15,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.28	0.24	0.31	2d8/25 L=40	3,15,15
892	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.28	0.17	0.22	2d8/25 L=40	3,15,15
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.34	0.22	0.29	2d8/25 L=40	15,15,15
870	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.39	0.27	0.39	2d8/25 L=40	20,3,3
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.26	0.19	0.28	2d8/25 L=40	20,28,15
851	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.52	0.49	0.38	2d8/12 L=86	15,3,4
	s=4,m=1	374.9	0.37	10.3	11.2	0.0	0.08	0.26	0.26	0.39	2d8/25 L=289	15,3,3
837	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.26	0.26	0.39	2d8/25 L=14	15,3,3
	s=4,m=1	100.1	0.37	10.3	11.2	0.0	0.08	0.46	0.46	0.35	2d8/12 L=86	14,3,3
873	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.20	0.16	0.25	2d8/25 L=45	17,13,13
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.32	0.24	0.36	2d8/25 L=45	17,3,3
896	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.33	0.17	0.22	2d8/25 L=30	14,21,14
	s=4,m=1	29.9	0.37	10.3	11.2	0.0	0.08	0.27	0.17	0.21	2d8/25 L=30	17,16,15
864	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.26	0.16	0.22	2d8/25 L=30	13,14,14
	s=4,m=1	30.0	0.37	10.3	11.2	0.0	0.08	0.25	0.17	0.23	2d8/25 L=30	3,16,15
944	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.25	0.14	0.20	2d8/25 L=30	3,23,15
	s=4,m=1	30.1	0.37	10.3	11.2	0.0	0.08	0.27	0.17	0.26	2d8/25 L=30	3,23,15
931	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.13	0.18	2d8/25 L=45	3,16,15
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.31	0.19	0.27	2d8/25 L=45	3,16,15
916	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.35	0.29	0.39	2d8/25 L=45	3,3,3
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.19	0.20	0.25	2d8/25 L=45	3,3,3
895	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.40	0.51	0.39	2d8/12 L=86	15,3,3
	s=4,m=1	374.8	0.37	10.3	11.2	0.0	0.06	0.28	0.23	0.35	2d8/25 L=289	4,4,4
888	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.28	0.24	0.35	2d8/25 L=1	3,4,4
	s=4,m=1	87.5	0.37	10.3	11.2	0.0	0.08	0.09	0.41	0.31	2d8/12 L=86	4,4,4
							M_T= 37	**Z=760.0**	**N=5976**	**N=5983**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
711	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.12	0.42	0.32	2d8/12 L=86	28,4,4
	s=4,m=1	87.5	0.37	10.3	11.2	0.0	0.06	0.28	0.25	0.36	2d8/25 L=1	4,4,4
735	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.28	0.25	0.36	2d8/25 L=289	4,4,4
	s=4,m=1	374.8	0.37	10.3	11.2	0.0	0.08	0.50	0.51	0.39	2d8/12 L=86	25,3,3
767	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.24	0.22	0.25	2d8/25 L=45	17,37,3
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.35	0.29	0.38	2d8/25 L=45	17,3,3
808	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.32	0.25	0.35	2d8/25 L=45	25,17,17
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.24	0.19	0.26	2d8/25 L=45	3,17,17
834	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.24	0.23	0.34	2d8/25 L=60	3,21,13
	s=4,m=1	60.1	0.37	10.3	11.2	0.0	0.08	0.24	0.19	0.28	2d8/25 L=60	16,20,16
725	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.26	0.18	0.25	2d8/25 L=30	16,26,13
	s=4,m=1	29.9	0.37	10.3	11.2	0.0	0.08	0.32	0.19	0.25	2d8/25 L=30	16,19,16
787	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.32	0.24	0.35	2d8/25 L=45	16,4,4
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.20	0.17	0.24	2d8/25 L=45	16,19,16
761	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.45	0.45	0.34	2d8/12 L=86	16,4,4
	s=4,m=1	100.1	0.37	10.3	11.2	0.0	0.08	0.28	0.25	0.38	2d8/25 L=14	13,4,16
747	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.28	0.25	0.38	2d8/25 L=215	13,4,4
	s=4,m=1	214.6	0.37	10.3	11.2	0.0	0.06	0.27	0.21	0.31	2d8/25 L=215	16,13,13
777	ok,ok	0.0	0.37	10.3	11.2	0.0	0.06	0.27	0.22	0.32	2d8/25 L=74	16,13,13
	s=4,m=1	160.3	0.37	10.3	11.2	0.0	0.08	0.56	0.51	0.38	2d8/12 L=86	13,3,3
713	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.28	0.21	0.30	2d8/25 L=40	17,13,13
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.41	0.28	0.39	2d8/25 L=40	17,3,3
737	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.37	0.23	0.31	2d8/25 L=40	13,14,13
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.28	0.18	0.24	2d8/25 L=40	3,14,13
769	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.29	0.24	0.33	2d8/25 L=40	3,14,13
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.25	0.20	0.25	2d8/25 L=40	3,14,13

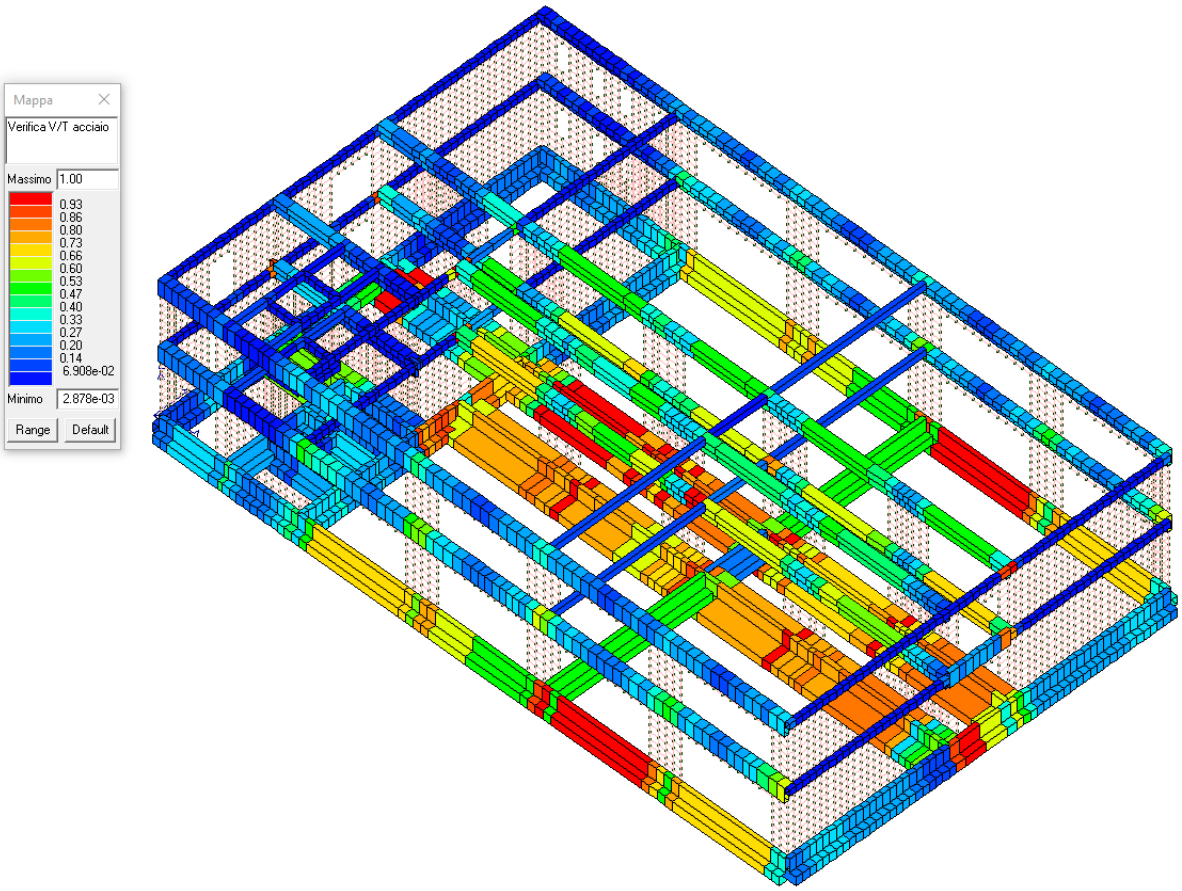
809	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.25	0.22	0.26	2d8/25 L=31	3,14,18
	s=4,m=1	31.3	0.37	10.3	11.2	0.0	0.08	0.26	0.23	0.29	2d8/25 L=31	3,19,19
727	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.23	0.22	2d8/25 L=48	3,14,18
	s=4,m=1	47.9	0.37	10.3	11.2	0.0	0.08	0.35	0.25	0.29	2d8/25 L=48	19,16,19
788	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.36	0.39	0.39	2d8/25 L=40	19,3,3
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.23	0.31	0.30	2d8/25 L=40	19,3,15
763	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.50	0.50	0.36	2d8/12 L=86	19,3,3
	s=4,m=1	87.5	0.37	10.3	11.2	0.0	0.08	0.22	0.33	0.46	2d8/25 L=1	18,3,3
749	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.22	0.33	0.46	2d8/25 L=289	18,3,3
	s=4,m=1	374.8	0.37	10.3	11.2	0.0	0.08	0.47	0.47	0.34	2d8/12 L=86	18,3,4
797	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.21	0.18	0.24	2d8/25 L=45	13,14,14
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.34	0.26	0.35	2d8/25 L=45	13,3,3
848	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.31	0.19	0.28	2d8/25 L=45	18,14,14
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.23	0.19	0.27	2d8/25 L=45	3,15,15
827	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.23	0.17	0.25	2d8/25 L=60	3,13,14
	s=4,m=1	60.1	0.37	10.3	11.2	0.0	0.08	0.26	0.24	0.35	2d8/25 L=60	3,15,15
779	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.27	0.18	0.25	2d8/25 L=30	3,15,15
	s=4,m=1	29.9	0.37	10.3	11.2	0.0	0.08	0.33	0.22	0.30	2d8/25 L=30	16,15,15
847	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.33	0.25	0.38	2d8/25 L=45	16,3,3
	s=4,m=1	45.0	0.37	10.3	11.2	0.0	0.08	0.21	0.16	0.24	2d8/25 L=45	16,3,3
823	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.49	0.48	0.38	2d8/12 L=86	16,3,3
	s=4,m=1	100.1	0.37	10.3	11.2	0.0	0.08	0.19	0.29	0.45	2d8/25 L=14	18,3,3
813	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.19	0.29	0.45	2d8/25 L=289	18,3,3
	s=4,m=1	374.9	0.37	10.3	11.2	0.0	0.08	0.39	0.44	0.35	2d8/12 L=86	18,4,4
852	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.16	0.17	0.23	2d8/25 L=40	14,22,14
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.25	0.22	0.31	2d8/25 L=40	14,22,4
877	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.25	0.18	0.24	2d8/25 L=40	14,14,14
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.18	0.13	0.17	2d8/25 L=40	14,14,14
899	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.17	0.18	0.26	2d8/25 L=40	14,14,14
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	0.09	0.13	0.19	2d8/25 L=40	14,14,14
919	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.09	0.13	0.19	2d8/25 L=31	14,14,14
	s=4,m=1	31.3	0.37	10.3	11.2	0.0	0.08	0.05	0.09	0.13	2d8/25 L=31	4,14,14
838	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.05	0.11	0.16	2d8/25 L=48	4,4,4
	s=4,m=1	47.9	0.37	10.3	11.2	0.0	0.08	0.01	0.04	0.05	2d8/25 L=48	3,22,14
865	ok,ok	0.0	0.37	10.3	11.2	0.0	0.08	0.01	0.09	0.09	2d8/25 L=40	3,34,3
	s=4,m=1	39.6	0.37	10.3	11.2	0.0	0.08	4.69e-03	0.07	0.03	2d8/25 L=40	14,35,15

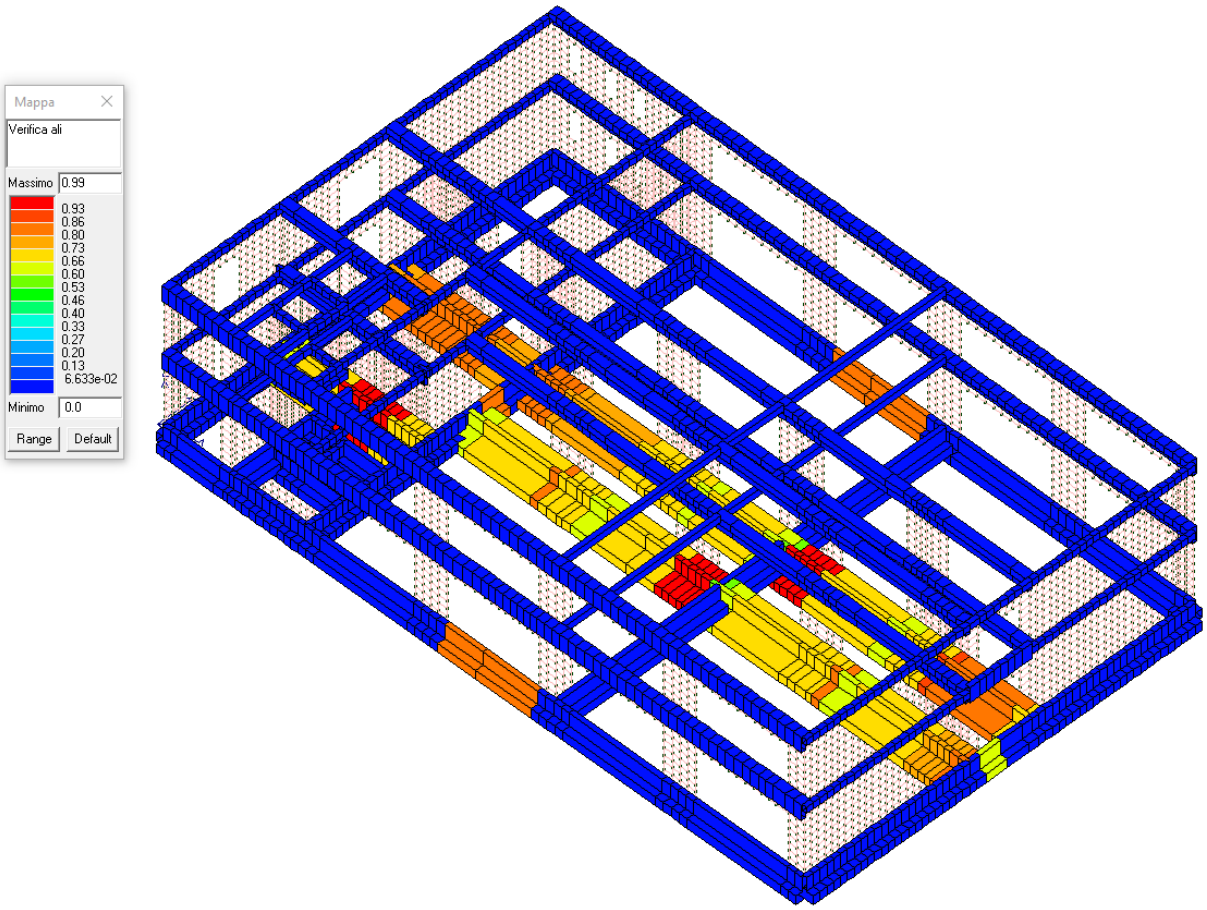
Trave	**%Af**	**Af inf.**	**Af. sup**	**Af long.**	**x/d**	**V N/M**	**V V/T cls**	**V V/T acc**
	0.51	45.74	44.86	12.06	0.14	0.92	1.00	1.00




Mappa
Rapporto x/d
Massimo 0.14
0.14
0.13
0.13
0.12
0.11
0.11
9.954e-02
9.317e-02
8.680e-02
8.043e-02
7.406e-02
6.770e-02
6.133e-02
5.496e-02
Minimo 4.859e-02
Range
Default


Mappa
Verifica V/T cls
Massimo 1.00
0.93
0.87
0.80
0.73
0.67
0.60
0.54
0.47
0.40
0.34
0.27
0.21
0.14
7.289e-02
Minimo 6.705e-03
Range
Default


Mappa
Verifica V/T acciaio
Massimo 1.00
0.93
0.86
0.80
0.73
0.66
0.60
0.53
0.47
0.40
0.33
0.27
0.20
0.14
6.908e-02
Minimo 2.878e-03
Range
Default


Mappa
Verifica ali
Massimo 0.99
0.93
0.86
0.80
0.73
0.66
0.60
0.53
0.46
0.40
0.33
0.27
0.20
0.13
6.633e-02
Minimo 0.0
Range
Default

STATI LIMITE D' ESERCIZIO

Legenda tabella stati limite d' esercizio
In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.
In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [*normalizzato a 1*]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [*normalizzato a 1*]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [*normalizzato a 1*]
wR	apertura caratteristica delle fessure in combinazioni rare [*mm*]
wF	apertura caratteristica delle fessure in combinazioni frequenti [*mm*]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [*mm*]
dR	massima deformazione in combinazioni rare
dF	massima deformazione in combinazioni frequenti
dP	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.
In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
travi	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento
	wR	**wF**	**wP**	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
1	0.0	4.24e-03	9.66e-03	5.02e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.60e-03	1.36e-03	1.27e-03	84,90,97
	38.3	1.47e-03	1.38e-03	1.53e-03	83,83,96	0.0	0.0	0.0	0,0,0				
2	0.0	1.30e-03	9.62e-03	1.58e-03	83,83,96	0.0	0.0	0.0	0,0,0	2.63e-03	-2.24e-03	-2.09e-03	83,89,96
	39.3	0.0	4.44e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
3	0.0	2.32e-03	0.01	2.76e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.43e-03	1.39e-03	1.37e-03	83,89,96
	38.3	0.0	5.04e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
4	0.0	1.32e-03	1.25e-03	1.58e-03	83,83,96	0.0	0.0	0.0	0,0,0	4.62e-04	2.99e-04	2.34e-04	83,89,96
	39.3	3.52e-03	7.36e-03	4.35e-03	83,83,96	0.0	0.0	0.0	0,0,0				
5	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	78.5	0.02	0.06	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
6	0.0	2.20e-03	0.01	1.39e-03	84,84,97	0.0	0.0	0.0	0,0,0	0.01	8.03e-03	6.58e-03	84,90,97
	78.5	7.31e-03	0.03	9.74e-03	81,81,94	0.0	0.0	0.0	0,0,0				
7	0.0	1.95e-03	4.06e-03	2.14e-03	84,84,97	0.0	0.0	0.0	0,0,0	-9.41e-04	-9.41e-04	-9.41e-04	81,87,94
	38.3	2.65e-03	6.13e-03	3.03e-03	83,83,96	0.0	0.0	0.0	0,0,0				
8	0.0	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	120.5	0.03	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
9	0.0	0.03	0.17	0.03	84,83,97	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	83,89,96
	310.3	0.08	0.23	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
10	0.0	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	84,90,97
	120.5	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
11	0.0	0.01	0.17	0.02	82,83,95	0.0	0.0	0.0	0,0,0	0.05	0.05	0.05	83,89,96
	310.3	0.09	0.28	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
12	0.0	0.02	0.09	0.03	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	84,90,97
	160.3	0.05	0.08	0.06	84,84,97	0.0	0.0	0.0	0,0,0				
13	0.0	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04	83,89,96
	155.1	0.03	0.10	0.04	83,84,96	0.0	0.0	0.0	0,0,0				
	310.3	0.03	0.07	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
14	0.0	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.03	84,90,97
	120.5	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
15	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	7.12e-03	6.47e-03	6.22e-03	83,89,96
	54.5	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
16	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.34e-03	-2.00e-03	-1.87e-03	83,89,96
	40.2	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
17	0.0	0.03	0.03	0.04	83,83,96	0.0	0.0	0.0	0,0,0	1.99e-03	1.59e-03	1.45e-03	83,89,96
	54.5	0.02	0.02	0.03	81,81,94	0.0	0.0	0.0	0,0,0				
18	0.0	0.01	0.04	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	241.0	9.42e-03	0.02	0.01	83,81,96	0.0	0.0	0.0	0,0,0				
19	0.0	0.02	0.06	0.02	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	81,87,94
	120.5	0.03	0.10	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
	241.0	0.01	0.03	0.01	81,81,94	0.0	0.0	0.0	0,0,0				
20	0.0	7.28e-03	0.03	9.71e-03	81,81,94	0.0	0.0	0.0	0,0,0	0.01	8.03e-03	6.58e-03	84,90,97
	119.0	0.05	0.08	0.04	84,84,97	0.0	0.0	0.0	0,0,0				
21	0.0	0.06	0.06	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-5.31e-03	-4.41e-03	-4.05e-03	84,90,97
	54.5	0.06	0.06	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
22	0.0	0.02	0.01	0.02	81,81,94	0.0	0.0	0.0	0,0,0	-9.45e-03	-7.51e-03	-7.14e-03	83,89,96
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
23	0.0	0.0	0.21	0.0	0,83,0	0.0	0.0	0.0	0,0,0	3.07e-03	2.83e-03	2.73e-03	83,89,96
	43.8	0.03	0.27	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
24	0.0	0.05	0.05	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-3.37e-03	-3.26e-03	-3.21e-03	83,89,96
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
25	0.0	0.0	0.25	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.53e-03	4.15e-03	4.00e-03	83,89,96
	43.8	0.03	0.31	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
26	0.0	0.04	0.13	0.05	83,84,96	0.0	0.0	0.0	0,0,0	-4.04e-03	-3.53e-03	-3.33e-03	84,90,97
	47.9	3.06e-03	0.08	4.09e-03	81,84,94	0.0	0.0	0.0	0,0,0				
27	0.0	0.03	0.07	0.03	83,83,96	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04	84,90,97
	87.5	8.44e-03	8.32e-03	9.79e-03	84,84,97	0.0	0.0	0.0	0,0,0				
28	0.0	0.03	0.03	0.04	81,81,94	0.0	0.0	0.0	0,0,0	0.01	8.76e-03	8.14e-03	83,89,96
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
29	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.53e-03	-2.97e-03	-2.75e-03	83,89,96
	39.7	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
30	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.16e-03	-7.33e-03	-6.86e-03	83,89,96
	53.5	3.43e-03	0.03	4.58e-03	81,83,94	0.0	0.0	0.0	0,0,0				
31	0.0	0.01	0.05	0.02	83,83,96	0.0	0.0	0.0	0,0,0	5.82e-03	5.34e-03	5.15e-03	83,89,96
	53.5	2.18e-03	5.65e-03	2.91e-03	81,81,94	0.0	0.0	0.0	0,0,0				
32	0.0	9.05e-03	0.12	7.64e-03	84,84,97	0.0	0.0	0.0	0,0,0	-2.31e-03	-1.92e-03	-1.76e-03	83,89,96
	38.0	0.01	0.12	0.01	84,84,97	0.0	0.0	0.0	0,0,0				
33	0.0	0.09	0.26	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	83,89,96
	262.5	0.03	0.19	0.04	84,83,97	0.0	0.0	0.0	0,0,0				
	524.9	0.15	0.36	0.19	83,83,96	0.0	0.0	0.0	0,0,0				
34	0.0	0.09	0.28	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	83,89,96
	262.5	0.02	0.20	0.03	84,83,97	0.0	0.0	0.0	0,0,0				
	524.9	0.15	0.38	0.18	83,83,96	0.0	0.0	0.0	0,0,0				
35	0.0	0.02	0.06	0.03	83,84,96	0.0	0.0	0.0	0,0,0	-0.05	-0.05	-0.05	83,89,96
	187.4	0.03	0.08	0.03	83,84,96	0.0	0.0	0.0	0,0,0				
	374.8	0.11	0.14	0.13	84,84,97	0.0	0.0	0.0	0,0,0				
36	0.0	0.03	0.11	0.04	84,84,97	0.0	0.0	0.0	0,0,0	-2.36e-03	-2.09e-03	-1.99e-03	83,89,96
	31.3	0.04	0.13	0.05	83,84,96	0.0	0.0	0.0	0,0,0				
37	0.0	0.01	0.16	0.02	84,84,97	0.0	0.0	0.0	0,0,0	-2.30e-03	-2.28e-03	-2.26e-03	82,91,95
	43.8	0.0	0.14	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
38	0.0	0.0	0.03	0.0	0,84,0	0.0	0.0	0.0	0,0,0	2.57e-03	2.10e-03	2.01e-03	83,89,96
	43.8	6.74e-04	0.04	0.0	83,83,0	0.0	0.0	0.0	0,0,0				
39	0.0	0.02	0.05	0.03	81,83,94	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	81,87,94
	87.5	0.02	0.09	0.02	84,83,97	0.0	0.0	0.0	0,0,0				
40	0.0	1.48e-03	0.09	1.98e-03	81,83,94	0.0	0.0	0.0	0,0,0	2.94e-03	2.77e-03	2.70e-03	84,90,97
	39.6	0.02	0.11	0.02	81,83,94	0.0	0.0	0.0	0,0,0				
41	0.0	0.0	0.29	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.06e-03	-9.93e-04	-9.78e-04	84,90,97
	43.7	0.06	0.40	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
42	0.0	0.0	0.31	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.54e-03	1.41e-03	1.37e-03	84,90,97
	43.7	0.06	0.42	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
43	0.0	0.06	0.17	0.07	84,84,97	0.0	0.0	0.0	0,0,0	5.48e-04	2.61e-04	1.55e-04	84,90,97
	29.9	0.05	0.15	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
44	0.0	4.38e-03	5.62e-03	5.85e-03	81,83,94	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03	83,89,96
	100.1	0.11	0.15	0.12	84,84,97	0.0	0.0	0.0	0,0,0				
45	0.0	0.0	0.32	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.57e-03	6.95e-03	6.70e-03	83,89,96
	43.8	0.06	0.41	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
46	0.0	0.0	0.37	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	83,89,96
	43.8	0.06	0.46	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
47	0.0	0.06	0.22	0.07	83,84,96	0.0	0.0	0.0	0,0,0	-1.38e-03	-1.32e-03	-1.29e-03	83,89,96
	29.9	0.05	0.21	0.06	83,84,96	0.0	0.0	0.0	0,0,0				

48	0.0	0.01	0.04	0.02	81,81,94	0.0	0.0	0.0	0,0,0	0.06	0.06	0.05	84,90,97
	100.1	0.08	0.11	0.09	84,84,97	0.0	0.0	0.0	0,0,0				
49	0.0	0.24	0.47	0.29	83,83,96	0.18	0.0	0.0	83,0,0	-0.19	-0.15	-0.14	83,89,96
	262.5	0.05	0.19	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
	524.9	0.04	0.15	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
50	0.0	0.25	0.50	0.30	83,83,96	0.19	0.0	0.0	83,0,0	0.21	0.16	0.15	83,89,96
	262.5	0.04	0.19	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
	524.9	0.04	0.17	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
51	0.0	0.01	0.02	0.02	81,81,94	0.0	0.0	0.0	0,0,0	-0.05	-0.03	-0.04	81,87,94
	187.5	0.04	0.12	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
	374.9	0.05	0.05	0.07	81,81,94	0.0	0.0	0.0	0,0,0				
52	0.0	0.05	0.19	0.06	83,84,96	0.0	0.0	0.0	0,0,0	-1.42e-03	-1.39e-03	-1.38e-03	83,89,96
	30.0	0.05	0.19	0.06	84,84,97	0.0	0.0	0.0	0,0,0				
53	0.0	0.02	0.09	0.02	84,84,97	0.0	0.0	0.0	0,0,0	0.11	0.10	0.09	83,89,96
	262.5	0.04	0.19	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
	524.9	0.19	0.41	0.23	83,83,96	0.0	0.0	0.0	0,0,0				
54	0.0	0.03	0.15	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-0.22	-0.20	-0.19	83,89,96
	262.5	0.03	0.16	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
	524.9	0.24	0.49	0.28	83,83,96	0.18	0.0	0.0	83,0,0				
55	0.0	0.02	0.09	0.02	84,83,97	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	84,89,96
	187.4	0.03	0.13	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
	374.8	0.10	0.16	0.10	84,84,97	0.0	0.0	0.0	0,0,0				
56	0.0	0.02	0.13	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-3.45e-03	-3.31e-03	3.25e-03	83,89,96
	31.3	0.03	0.14	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
57	0.0	0.16	0.38	0.19	83,83,96	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	83,89,96
	214.6	0.03	0.17	0.03	84,83,97	0.0	0.0	0.0	0,0,0				
58	0.0	0.14	0.38	0.17	83,83,96	0.0	0.0	0.0	0,0,0	0.05	0.05	0.05	83,89,96
	214.6	0.01	0.17	0.02	82,83,95	0.0	0.0	0.0	0,0,0				
59	0.0	4.40e-03	0.01	5.02e-03	83,84,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	214.6	0.02	0.09	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
60	0.0	0.04	0.16	0.04	84,84,97	0.0	0.0	0.0	0,0,0	-1.56e-03	-1.56e-03	-1.56e-03	81,87,94
	60.1	0.05	0.18	0.06	83,84,96	0.0	0.0	0.0	0,0,0				
61	0.0	0.02	0.05	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-5.60e-03	-5.36e-03	-5.29e-03	84,90,97
	43.7	7.38e-03	0.02	8.58e-03	83,83,96	0.0	0.0	0.0	0,0,0				
62	0.0	0.02	0.05	0.02	83,83,96	0.0	0.0	0.0	0,0,0	5.16e-03	4.86e-03	4.77e-03	84,90,97
	43.7	7.01e-03	0.02	8.19e-03	83,83,96	0.0	0.0	0.0	0,0,0				
63	0.0	0.02	0.05	0.02	83,83,96	0.0	0.0	0.0	0,0,0	9.12e-03	8.75e-03	8.60e-03	83,89,96
	47.9	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
64	0.0	0.03	0.10	0.03	83,83,96	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	81,87,94
	87.5	0.02	0.02	0.03	81,81,94	0.0	0.0	0.0	0,0,0				
65	0.0	0.01	0.26	0.02	82,83,95	0.0	0.0	0.0	0,0,0	7.09e-04	6.78e-04	6.65e-04	83,89,96
	43.8	0.03	0.28	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
66	0.0	5.99e-03	0.29	7.77e-03	82,83,95	0.0	0.0	0.0	0,0,0	-4.52e-04	-3.67e-04	-3.35e-04	84,90,97
	43.8	0.02	0.31	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
67	0.0	0.06	0.10	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-0.49	-0.50	-0.48	83,89,96
	459.0	0.10	0.32	0.12	83,83,96	0.09	0.09	0.09	83,89,96				
	918.0	0.15	0.25	0.16	84,84,97	0.0	0.0	0.0	0,0,0				
68	0.0	0.02	0.02	0.03	84,84,97	0.0	0.0	0.0	0,0,0	-0.05	-0.05	-0.05	84,90,97
	87.5	0.02	0.06	0.03	83,84,96	0.0	0.0	0.0	0,0,0				
69	0.0	0.01	0.06	0.01	83,83,96	0.0	0.0	0.0	0,0,0	3.91e-03	3.52e-03	3.37e-03	83,89,96
	39.6	0.02	0.06	0.02	84,84,97	0.0	0.0	0.0	0,0,0				
70	0.0	0.11	0.19	0.13	84,84,97	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	84,90,97
	175.0	0.06	0.10	0.07	84,84,97	0.0	0.0	0.0	0,0,0				
	350.0	0.11	0.19	0.12	84,84,97	0.0	0.0	0.0	0,0,0				
71	0.0	0.15	0.25	0.16	84,84,97	0.0	0.0	0.0	0,0,0	-0.52	0.53	0.52	83,89,96
	459.0	0.10	0.33	0.12	83,83,96	0.10	0.10	0.09	83,89,96				
	918.0	0.06	0.10	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
72	0.0	0.03	0.03	0.04	83,83,96	0.0	0.0	0.0	0,0,0	2.01e-03	1.81e-03	1.73e-03	83,89,96
	23.5	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
73	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	1.85e-04	1.17e-04	9.16e-05	84,90,97
	23.5	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
74	0.0	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-2.43e-03	-2.44e-03	-2.44e-03	83,89,96
	54.5	0.05	0.04	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
75	0.0	0.04	0.04	0.04	83,83,96	0.0	0.0	0.0	0,0,0	9.32e-03	7.91e-03	7.29e-03	83,89,96
	54.5	0.06	0.06	0.06	84,83,96	0.0	0.0	0.0	0,0,0				
76	0.0	0.05	0.05	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	84,90,97
	120.5	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
77	0.0	0.06	0.06	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.03	84,90,97
	120.5	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
78	0.0	1.64e-03	2.22e-03	1.80e-03	83,84,96	0.0	0.0	0.0	0,0,0	6.50e-04	5.56e-04	5.21e-04	84,90,97
	38.3	2.79e-03	2.64e-03	3.72e-03	81,81,94	0.0	0.0	0.0	0,0,0				
79	0.0	0.0	9.39e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.57e-03	-2.20e-03	-2.05e-03	83,89,96
	39.3	0.0	9.32e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
80	0.0	2.23e-03	4.32e-03	2.47e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.45e-03	1.41e-03	1.39e-03	83,89,96
	38.3	1.99e-03	3.90e-03	2.29e-03	83,83,96	0.0	0.0	0.0	0,0,0				
81	0.0	3.84e-03	9.03e-03	4.72e-03	83,83,96	0.0	0.0	0.0	0,0,0	6.28e-04	4.61e-04	3.93e-04	83,89,96
	39.3	6.59e-03	0.02	8.13e-03	83,83,96	0.0	0.0	0.0	0,0,0				
82	0.0	2.46e-03	2.45e-03	3.06e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.07e-03	-1.07e-03	-1.07e-03	81,87,94
	38.3	2.85e-03	2.71e-03	3.30e-03	83,83,96	0.0	0.0	0.0	0,0,0				
83	0.0	0.01	0.01	0.02	81,81,94	0.0	0.0	0.0	0,0,0	6.94e-03	5.21e-03	4.20e-03	83,89,96
	54.5	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
84	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	120.5	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
85	0.0	5.63e-04	5.66e-03	6.19e-04	83,83,96	0.0	0.0	0.0	0,0,0	-5.01e-03	-4.69e-03	-4.56e-03	83,89,96
	38.3	0.0	3.26e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
86	0.0	0.02	0.27	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-1.18e-03	-1.07e-03	-1.03e-03	83,89,96
	43.8	0.01	0.25	0.01	82,83,95	0.0	0.0	0.0	0,0,0				
87	0.0	7.71e-04	3.91e-03	9.78e-04	84,84,97	0.0	0.0	0.0	0,0,0	2.14e-03	2.06e-03	2.02e-03	83,89,96
	38.3	3.39e-03	0.01	4.02e-03	83,83,96	0.0	0.0	0.0	0,0,0				
88	0.0	0.02	0.31	0.03	83,83,96	0.0	0.0	0.0	0,0,0	2.44e-03	2.21e-03	2.12e-03	83,89,96
	43.8	4.48e-03	0.29	5.74e-03	82,83,95	0.0	0.0	0.0	0,0,0				
89	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.08e-03	-3.93e-03	-3.87e-03	83,89,96
	38.3	2.00e-03	0.02	1.83e-03	84,84,97	0.0	0.0	0.0	0,0,0				
90	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.39e-03	-2.84e-03	-2.63e-03	83,89,96
	39.7	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
91	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.18e-03	-1.08e-03	-1.04e-03	83,89,96
	25.8	3.13e-03	0.04	3.75e-03	83,83,96	0.0	0.0	0.0	0,0,0				
92	0.0	3.06e-03	0.14	3.26e-03	82,84,95	0.0	0.0	0.0	0,0,0	-3.30e-03	-3.25e-03	-3.24e-03	84,93,97
	43.8	0.0	0.08	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
93	0.0	4.32e-04	0.03	0.0	83,83,0	0.0	0.0	0.0	0,0,0	3.20e-03	2.74e-03	2.55e-03	83,89,96
	43.8	0.01	0.06	0.01	83,83,96	0.0	0.0	0.0	0,0,0				

94	0.0	0.04	0.39	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-2.19e-03	-2.00e-03	-1.92e-03	83,89,96
	43.8	0.07	0.44	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
95	0.0	0.03	0.41	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-1.77e-03	-1.63e-03	-1.58e-03	83,89,96
	43.8	0.07	0.47	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
96	0.0	0.05	0.41	0.06	83,83,96	0.0	0.0	0.0	0,0,0	4.26e-03	3.89e-03	3.74e-03	83,89,96
	43.8	0.06	0.43	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
97	0.0	0.05	0.46	0.07	83,83,96	0.0	0.0	0.0	0,0,0	7.99e-03	7.25e-03	6.96e-03	83,89,96
	43.8	0.05	0.46	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
98	0.0	7.69e-03	0.02	8.79e-03	83,83,96	0.0	0.0	0.0	0,0,0	-6.07e-03	-5.80e-03	-5.71e-03	84,90,97
	43.8	1.34e-03	3.44e-03	1.60e-03	83,83,96	0.0	0.0	0.0	0,0,0				
99	0.0	7.62e-03	0.03	8.81e-03	83,83,96	0.0	0.0	0.0	0,0,0	5.61e-03	5.28e-03	5.17e-03	84,90,97
	43.8	3.87e-04	4.94e-03	4.20e-04	83,83,96	0.0	0.0	0.0	0,0,0				
100	0.0	0.03	0.28	0.04	83,83,96	0.0	0.0	0.0	0,0,0	2.73e-03	2.55e-03	2.47e-03	83,89,96
	43.8	0.0	0.22	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
101	0.0	0.03	0.31	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-1.64e-03	-1.57e-03	-1.54e-03	83,89,96
	43.8	0.0	0.25	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
102	0.0	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-3.90e-03	-3.54e-03	-3.40e-03	83,89,96
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
103	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	2.77e-04	1.84e-04	1.42e-04	84,90,97
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
104	0.0	1.25e-03	3.14e-03	1.43e-03	83,83,96	0.0	0.0	0.0	0,0,0	-5.23e-03	-4.88e-03	-4.74e-03	83,89,96
	38.3	5.72e-04	5.54e-04	6.15e-04	83,83,96	0.0	0.0	0.0	0,0,0				
105	0.0	1.54e-03	1.48e-03	1.68e-03	83,83,96	0.0	0.0	0.0	0,0,0	8.47e-04	8.13e-04	8.00e-04	83,89,96
	38.3	1.01e-03	9.86e-04	9.61e-04	83,83,96	0.0	0.0	0.0	0,0,0				
106	0.0	2.13e-03	0.02	2.42e-03	84,84,97	0.0	0.0	0.0	0,0,0	-4.97e-03	-4.81e-03	-4.74e-03	83,89,96
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
107	0.0	2.34e-03	2.20e-03	3.12e-03	81,81,94	0.0	0.0	0.0	0,0,0	-1.54e-03	-1.31e-03	-1.23e-03	84,90,97
	38.3	6.01e-03	8.18e-03	7.89e-03	83,81,96	0.0	0.0	0.0	0,0,0				
108	0.0	5.52e-03	5.43e-03	6.40e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.46e-03	1.42e-03	1.40e-03	83,89,96
	38.3	2.33e-03	2.25e-03	2.76e-03	83,83,96	0.0	0.0	0.0	0,0,0				
109	0.0	5.36e-03	5.31e-03	6.60e-03	83,83,96	0.0	0.0	0.0	0,0,0	3.53e-04	3.53e-04	3.53e-04	81,87,94
	38.3	4.50e-03	4.36e-03	5.31e-03	83,83,96	0.0	0.0	0.0	0,0,0				
110	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.13e-03	-2.62e-03	-2.41e-03	83,89,96
	39.7	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
111	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.94e-03	-4.50e-03	-4.32e-03	83,89,96
	39.7	8.76e-03	0.06	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
112	0.0	0.06	0.44	0.07	83,83,96	0.0	0.0	0.0	0,0,0	5.96e-03	5.48e-03	5.29e-03	83,89,96
	43.8	0.06	0.44	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
113	0.0	0.06	0.46	0.07	83,83,96	0.0	0.0	0.0	0,0,0	5.59e-03	5.17e-03	5.01e-03	83,89,96
	43.8	0.06	0.47	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
114	0.0	0.06	0.43	0.07	83,83,96	0.0	0.0	0.0	0,0,0	7.23e-04	6.26e-04	5.87e-04	83,89,96
	43.8	0.04	0.40	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
115	0.0	0.06	0.46	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-4.33e-03	-3.88e-03	-3.69e-03	83,89,96
	43.8	0.03	0.41	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
116	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	4.87e-03	4.47e-03	4.31e-03	83,89,96
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
117	0.0	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0	2.47e-04	1.46e-04	9.90e-05	84,90,97
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
118	0.0	1.61e-03	1.75e-03	1.84e-03	83,83,96	0.0	0.0	0.0	0,0,0	5.52e-03	5.15e-03	5.00e-03	83,89,96
	38.3	1.06e-03	1.05e-03	1.20e-03	83,83,96	0.0	0.0	0.0	0,0,0				
119	0.0	2.09e-03	2.05e-03	2.38e-03	83,83,96	0.0	0.0	0.0	0,0,0	-2.01e-03	-1.93e-03	-1.89e-03	83,89,96
	38.3	3.89e-03	3.74e-03	4.32e-03	83,83,96	0.0	0.0	0.0	0,0,0				
120	0.0	2.80e-03	0.02	3.39e-03	83,84,96	0.0	0.0	0.0	0,0,0	4.66e-03	4.49e-03	4.43e-03	83,89,96
	38.3	2.76e-03	0.02	3.68e-03	81,84,94	0.0	0.0	0.0	0,0,0				
121	0.0	6.46e-03	8.30e-03	8.39e-03	83,81,96	0.0	0.0	0.0	0,0,0	1.42e-03	1.19e-03	1.11e-03	84,90,97
	38.3	8.64e-03	0.01	0.01	83,81,96	0.0	0.0	0.0	0,0,0				
122	0.0	6.11e-03	5.87e-03	7.21e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.48e-03	-1.44e-03	-1.42e-03	83,89,96
	38.3	2.00e-03	1.99e-03	2.39e-03	83,83,96	0.0	0.0	0.0	0,0,0				
123	0.0	6.78e-03	6.76e-03	8.34e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.12e-03	1.12e-03	1.12e-03	81,87,94
	38.3	7.75e-03	7.44e-03	9.25e-03	83,83,96	0.0	0.0	0.0	0,0,0				
124	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.82e-03	-2.34e-03	-2.14e-03	83,89,96
	39.7	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
125	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.50e-03	4.09e-03	3.93e-03	83,89,96
	39.7	8.38e-03	0.08	9.92e-03	83,83,96	0.0	0.0	0.0	0,0,0				
126	0.0	0.07	0.45	0.09	83,83,96	0.0	0.0	0.0	0,0,0	9.69e-03	8.93e-03	8.62e-03	83,89,96
	43.8	0.0	0.35	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
127	0.0	0.07	0.47	0.08	83,83,96	0.0	0.0	0.0	0,0,0	9.41e-03	8.70e-03	8.41e-03	83,89,96
	43.8	0.0	0.37	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
128	0.0	0.06	0.40	0.07	83,83,96	0.0	0.0	0.0	0,0,0	2.48e-03	2.32e-03	2.26e-03	84,90,97
	43.8	0.0	0.30	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
129	0.0	0.05	0.41	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-1.33e-03	-1.10e-03	1.01e-03	83,89,96
	43.8	0.0	0.31	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
130	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-6.96e-03	-6.70e-03	-6.35e-03	83,89,96
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
131	0.0	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-1.84e-03	-5.02e-04	-2.70e-04	84,90,97
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
132	0.0	1.97e-03	1.89e-03	2.24e-03	83,83,96	0.0	0.0	0.0	0,0,0	5.77e-03	5.40e-03	5.25e-03	83,89,96
	38.3	1.44e-03	1.45e-03	1.69e-03	83,83,96	0.0	0.0	0.0	0,0,0				
133	0.0	2.01e-03	2.01e-03	2.34e-03	83,83,96	0.0	0.0	0.0	0,0,0	-2.00e-03	-1.91e-03	-1.87e-03	83,89,96
	38.3	4.59e-03	4.46e-03	5.24e-03	83,83,96	0.0	0.0	0.0	0,0,0				
134	0.0	2.80e-03	0.02	3.52e-03	83,84,96	0.0	0.0	0.0	0,0,0	4.69e-03	4.51e-03	4.45e-03	83,89,96
	38.3	5.45e-03	0.02	7.09e-03	83,84,96	0.0	0.0	0.0	0,0,0				
135	0.0	0.01	0.01	0.01	83,81,96	0.0	0.0	0.0	0,0,0	1.21e-03	9.83e-04	8.98e-04	84,90,97
	38.3	0.01	0.01	0.01	83,81,96	0.0	0.0	0.0	0,0,0				
136	0.0	5.81e-03	5.68e-03	6.95e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.43e-03	-1.38e-03	-1.37e-03	83,89,96
	38.3	1.74e-03	1.79e-03	2.05e-03	83,83,96	0.0	0.0	0.0	0,0,0				
137	0.0	5.96e-03	6.10e-03	7.38e-03	83,83,96	0.0	0.0	0.0	0,0,0	8.99e-04	8.99e-04	8.99e-04	81,87,94
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
138	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.51e-03	-2.06e-03	-1.88e-03	83,89,96
	39.7	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
139	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.12e-03	3.72e-03	3.56e-03	83,89,96
	39.7	4.82e-03	0.08	5.43e-03	84,83,97	0.0	0.0	0.0	0,0,0				
140	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-1.36e-03	-1.30e-03	83,89,96
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
141	0.0	0.02	0.02	0.03	81,81,94	0.0	0.0	0.0	0,0,0	-9.57e-04	-5.24e-04	-3.59e-04	84,90,97
	38.3	0.03	0.03	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
142	0.0	2.35e-03	2.29e-03	2.68e-03	83,83,96	0.0	0.0	0.0	0,0,0	6.06e-03	5.63e-03	5.49e-03	83,89,96
	38.3	1.72e-03	1.75e-03	2.07e-03	83,83,96	0.0	0.0	0.0	0,0,0				
143	0.0	1.85e-03	1.88e-03	2.19e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.87e-03	1.80e-03	1.77e-03	83,89,96
	38.3	4.61e-03	4.52e-03	5.35e-03	83,83,96	0.0	0.0	0.0	0,0,0				
144	0.0	2.68e-03	0.01	3.44e-03	83,84,96	0.0	0.0	0.0	0,0,0	-4.73e-03	-4.54e-03	-4.47e-03	83,89,96

	38.3	6.86e-03	0.02	8.84e-03	83,84,96	0.0	0.0	0.0	0,0,0				
145	0.0	0.01	0.01	0.02	83,81,96	0.0	0.0	0.0	0,0,0	9.60e-04	7.30e-04	6.47e-04	84,90,97
	38.3	8.16e-03	7.81e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
146	0.0	5.73e-03	5.66e-03	6.93e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.27e-03	-1.23e-03	-1.21e-03	83,89,96
	38.3	2.94e-03	2.96e-03	3.39e-03	83,83,96	0.0	0.0	0.0	0,0,0				
147	0.0	9.96e-03	9.83e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-5.08e-04	-5.08e-04	-5.08e-04	81,87,94
	31.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
148	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.20e-03	1.78e-03	1.61e-03	83,89,96
	39.7	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
149	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.74e-03	-3.36e-03	-3.21e-03	83,89,96
	39.7	2.06e-04	0.08	0.0	84,83,0	0.0	0.0	0.0	0,0,0				
150	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-9.85e-03	-1.35e-03	-1.29e-03	83,89,96
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
151	0.0	0.03	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-1.12e-03	-7.15e-04	-5.55e-04	84,90,97
	38.3	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
152	0.0	2.73e-03	2.69e-03	3.13e-03	83,83,96	0.0	0.0	0.0	0,0,0	6.24e-03	5.90e-03	5.76e-03	83,89,96
	38.3	1.93e-03	1.98e-03	2.37e-03	83,83,96	0.0	0.0	0.0	0,0,0				
153	0.0	2.24e-03	2.28e-03	2.49e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.67e-03	1.60e-03	1.57e-03	83,89,96
	38.3	4.64e-03	4.59e-03	5.48e-03	83,83,96	0.0	0.0	0.0	0,0,0				
154	0.0	2.30e-03	7.01e-03	2.91e-03	83,84,97	0.0	0.0	0.0	0,0,0	-4.71e-03	-4.51e-03	-4.43e-03	83,89,96
	38.3	7.38e-03	0.01	9.44e-03	83,84,96	0.0	0.0	0.0	0,0,0				
155	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	7.32e-04	5.15e-04	4.39e-04	84,90,97
	38.3	3.19e-03	3.11e-03	3.74e-03	83,83,96	0.0	0.0	0.0	0,0,0				
156	0.0	5.73e-03	5.71e-03	7.01e-03	83,83,96	0.0	0.0	0.0	0,0,0	-7.02e-04	-8.64e-04	-8.62e-04	83,89,96
	38.3	4.09e-03	4.09e-03	4.77e-03	83,83,96	0.0	0.0	0.0	0,0,0				
157	0.0	9.74e-03	9.81e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	7.61e-04	7.61e-04	7.61e-04	81,87,94
	45.3	9.96e-03	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
158	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.85e-03	1.46e-03	1.30e-03	83,89,96
	39.7	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
159	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.38e-03	-3.02e-03	-2.87e-03	83,89,96
	39.7	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
160	0.0	0.01	0.01	0.01	83,83,94	0.0	0.0	0.0	0,0,0	-6.72e-03	-7.29e-03	-7.97e-03	83,89,96
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
161	0.0	0.04	0.04	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-1.80e-03	-1.36e-03	-1.18e-03	84,90,97
	38.3	0.06	0.05	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
162	0.0	3.08e-03	3.05e-03	3.55e-03	83,83,96	0.0	0.0	0.0	0,0,0	-6.40e-03	-6.08e-03	-5.96e-03	83,89,96
	38.3	2.14e-03	2.20e-03	2.63e-03	83,83,96	0.0	0.0	0.0	0,0,0				
163	0.0	2.99e-03	3.03e-03	3.38e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.26e-03	1.34e-03	1.32e-03	83,89,96
	38.3	4.68e-03	4.66e-03	5.60e-03	83,83,96	0.0	0.0	0.0	0,0,0				
164	0.0	1.77e-03	1.78e-03	2.36e-03	81,81,94	0.0	0.0	0.0	0,0,0	4.59e-03	4.38e-03	4.29e-03	83,89,96
	38.3	7.09e-03	8.46e-03	9.01e-03	83,84,96	0.0	0.0	0.0	0,0,0				
165	0.0	0.03	0.03	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-1.07e-03	-8.48e-04	-7.07e-04	84,90,97
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
166	0.0	5.82e-03	5.85e-03	7.21e-03	83,83,96	0.0	0.0	0.0	0,0,0	-7.06e-04	-6.82e-04	-6.72e-04	83,89,96
	38.3	5.18e-03	5.16e-03	6.11e-03	83,83,96	0.0	0.0	0.0	0,0,0				
167	0.0	8.95e-03	9.19e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-1.42e-04	-1.42e-04	-1.42e-04	81,87,94
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
168	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.43e-03	-1.08e-03	-9.47e-04	83,89,96
	39.7	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
169	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.07e-03	-2.72e-03	-2.57e-03	83,89,96
	39.7	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
170	0.0	3.36e-03	3.34e-03	3.89e-03	83,83,96	0.0	0.0	0.0	0,0,0	-6.60e-03	-6.27e-03	-6.17e-03	83,89,96
	38.3	2.54e-03	2.60e-03	2.87e-03	83,83,96	0.0	0.0	0.0	0,0,0				
171	0.0	3.67e-03	3.70e-03	4.19e-03	83,83,96	0.0	0.0	0.0	0,0,0	-9.47e-04	-9.05e-04	-8.88e-04	83,89,96
	38.3	4.80e-03	4.82e-03	5.83e-03	83,83,96	0.0	0.0	0.0	0,0,0				
172	0.0	2.03e-03	2.08e-03	2.70e-03	81,81,94	0.0	0.0	0.0	0,0,0	-4.31e-03	-4.10e-03	-4.02e-03	83,89,96
	38.3	6.43e-03	6.27e-03	8.45e-03	83,83,96	0.0	0.0	0.0	0,0,0				
173	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-1.07e-03	-8.48e-04	-7.07e-04	81,87,94
	38.3	9.20e-03	9.05e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
174	0.0	5.99e-03	6.07e-03	7.49e-03	83,83,96	0.0	0.0	0.0	0,0,0	-3.34e-03	-6.80e-04	-6.71e-04	83,89,96
	38.3	6.19e-03	6.18e-03	7.38e-03	83,83,96	0.0	0.0	0.0	0,0,0				
175	0.0	9.92e-03	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-8.52e-04	-8.52e-04	-8.52e-04	81,87,94
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
176	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	9.50e-04	6.54e-04	5.35e-04	83,89,96
	39.7	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
177	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.84e-03	-2.49e-03	-2.34e-03	83,89,96
	39.7	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
178	0.0	3.56e-03	3.55e-03	4.15e-03	83,83,96	0.0	0.0	0.0	0,0,0	6.81e-03	6.52e-03	6.44e-03	83,89,96
	38.3	2.89e-03	2.95e-03	3.29e-03	83,83,96	0.0	0.0	0.0	0,0,0				
179	0.0	4.25e-03	4.29e-03	4.90e-03	83,83,96	0.0	0.0	0.0	0,0,0	-9.51e-04	-9.10e-04	-8.93e-04	83,89,96
	38.3	5.00e-03	5.05e-03	6.14e-03	83,83,96	0.0	0.0	0.0	0,0,0				
180	0.0	3.14e-03	3.18e-03	4.18e-03	81,81,94	0.0	0.0	0.0	0,0,0	3.90e-03	-3.68e-03	-3.60e-03	83,89,96
	38.3	6.52e-03	6.44e-03	8.69e-03	81,81,94	0.0	0.0	0.0	0,0,0				
181	0.0	9.20e-03	9.06e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-1.07e-03	-8.48e-04	-7.07e-04	84,90,94
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
182	0.0	6.23e-03	6.36e-03	7.87e-03	83,83,96	0.0	0.0	0.0	0,0,0	3.05e-03	2.98e-03	3.06e-03	83,89,96
	38.3	7.15e-03	7.14e-03	8.60e-03	83,83,96	0.0	0.0	0.0	0,0,0				
183	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	5.30e-04	5.30e-04	5.30e-04	81,87,94
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
184	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.00e-04	2.11e-04	1.97e-04	83,91,95
	39.7	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
185	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.80e-03	-2.40e-03	-2.25e-03	83,89,96
	39.7	0.0	0.05	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
186	0.0	3.68e-03	3.69e-03	4.33e-03	83,83,96	0.0	0.0	0.0	0,0,0	7.14e-03	6.96e-03	6.85e-03	83,89,96
	38.3	3.16e-03	3.22e-03	3.63e-03	83,83,96	0.0	0.0	0.0	0,0,0				
187	0.0	4.72e-03	4.78e-03	5.50e-03	83,83,96	0.0	0.0	0.0	0,0,0	9.54e-04	9.14e-04	8.98e-04	83,89,96
	38.3	5.29e-03	5.36e-03	6.55e-03	83,83,96	0.0	0.0	0.0	0,0,0				
188	0.0	4.16e-03	4.21e-03	5.55e-03	81,81,94	0.0	0.0	0.0	0,0,0	-3.41e-03	-3.13e-03	-3.07e-03	83,89,96
	38.3	6.79e-03	6.75e-03	9.05e-03	81,81,94	0.0	0.0	0.0	0,0,0				
189	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-1.07e-03	-8.48e-04	-7.07e-04	84,90,97
	38.3	0.02	0.02	0.02	83,81,96	0.0	0.0	0.0	0,0,0				
190	0.0	6.52e-03	6.68e-03	8.29e-03	83,83,96	0.0	0.0	0.0	0,0,0	2.95e-03	2.87e-03	2.92e-03	83,89,96
	38.3	8.05e-03	8.04e-03	9.76e-03	83,83,96	0.0	0.0	0.0	0,0,0				
191	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-4.78e-04	-2.96e-04	-2.96e-04	84,87,94
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
192	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.41e-04	-7.27e-04	-7.13e-04	82,91,95
	39.7	1.46e-03	0.16	1.38e-03	82,83,95	0.0	0.0	0.0	0,0,0				
193	0.0	0.0	0.05	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-3.39e-03	-3.13e-03	-2.73e-03	83,89,96
	39.7	0.0	0.04	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
194	0.0	3.70e-03	3.73e-03	4.40e-03	83,83,96	0.0	0.0	0.0	0,0,0	7.68e-03	7.59e-03	7.64e-03	83,89,96
	38.3	3.35e-03	3.42e-03	3.88e-03	83,83,96	0.0	0.0	0.0	0,0,0				

195	0.0	5.08e-03	5.16e-03	5.98e-03	83,83,96	0.0	0.0	0.0	0,0,0	-9.58e-04	-9.19e-04	-9.04e-04	83,89,96
	38.3	5.67e-03	5.76e-03	7.07e-03	83,83,96	0.0	0.0	0.0	0,0,0				
196	0.0	5.10e-03	5.16e-03	6.80e-03	81,81,94	0.0	0.0	0.0	0,0,0	-2.70e-03	-2.57e-03	-2.52e-03	83,89,96
	38.3	7.14e-03	7.15e-03	9.52e-03	81,81,94	0.0	0.0	0.0	0,0,0				
197	0.0	9.93e-03	9.93e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	1.48e-03	1.14e-03	1.02e-03	84,90,97
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
198	0.0	6.86e-03	7.06e-03	8.76e-03	83,83,96	0.0	0.0	0.0	0,0,0	2.91e-03	2.86e-03	2.90e-03	83,89,96
	38.3	8.90e-03	8.90e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
199	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	3.81e-04	2.09e-04	1.50e-04	84,90,97
	21.8	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
200	0.0	1.03e-03	0.15	1.02e-03	82,83,95	0.0	0.0	0.0	0,0,0	-1.35e-03	-1.33e-03	-1.32e-03	82,91,95
	39.7	5.57e-03	0.16	6.76e-03	82,84,95	0.0	0.0	0.0	0,0,0				
201	0.0	0.0	0.04	0.0	0,84,0	0.0	0.0	0.0	0,0,0	2.06e-03	1.74e-03	1.62e-03	83,89,96
	39.7	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
202	0.0	3.63e-03	3.69e-03	4.38e-03	83,83,96	0.0	0.0	0.0	0,0,0	-8.83e-03	-1.83e-03	-1.78e-03	83,89,96
	38.3	3.45e-03	3.52e-03	4.03e-03	83,83,96	0.0	0.0	0.0	0,0,0				
203	0.0	5.34e-03	5.45e-03	6.36e-03	83,83,96	0.0	0.0	0.0	0,0,0	-9.65e-04	-1.28e-03	-1.14e-03	83,89,96
	38.3	6.16e-03	6.26e-03	7.72e-03	83,83,96	0.0	0.0	0.0	0,0,0				
204	0.0	5.93e-03	6.01e-03	7.91e-03	81,81,94	0.0	0.0	0.0	0,0,0	2.64e-03	2.21e-03	2.18e-03	83,89,96
	38.3	7.56e-03	7.61e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0				
205	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	1.59e-03	1.27e-03	1.16e-03	84,90,97
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
206	0.0	7.75e-03	7.95e-03	9.37e-03	83,83,96	0.0	0.0	0.0	0,0,0	2.79e-03	2.86e-03	2.77e-03	83,89,96
	38.3	9.70e-03	9.70e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
207	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	1.68e-03	1.13e-03	9.17e-04	84,90,97
	54.8	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
208	0.0	3.47e-03	3.55e-03	4.25e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.93e-03	-1.82e-03	-1.78e-03	83,89,96
	38.3	3.46e-03	3.54e-03	4.19e-03	83,83,94	0.0	0.0	0.0	0,0,0				
209	0.0	5.49e-03	5.64e-03	6.62e-03	83,83,96	0.0	0.0	0.0	0,0,0	9.76e-04	9.39e-04	9.24e-04	83,89,96
	38.3	6.78e-03	6.88e-03	8.52e-03	83,83,96	0.0	0.0	0.0	0,0,0				
210	0.0	6.68e-03	6.78e-03	8.91e-03	81,81,94	0.0	0.0	0.0	0,0,0	-2.71e-03	-2.19e-03	-2.19e-03	83,89,96
	38.3	8.11e-03	8.19e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0				
211	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-1.80e-03	-1.48e-03	-1.37e-03	84,90,97
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
212	0.0	8.59e-03	8.79e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	2.78e-03	2.76e-03	2.80e-03	83,89,96
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
213	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-3.08e-04	-1.93e-04	-1.52e-04	84,90,97
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
214	0.0	3.61e-03	3.69e-03	4.58e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.93e-03	-1.82e-03	-1.78e-03	83,89,96
	38.3	3.50e-03	3.57e-03	4.66e-03	81,81,94	0.0	0.0	0.0	0,0,0				
215	0.0	6.36e-03	6.51e-03	7.75e-03	83,83,96	0.0	0.0	0.0	0,0,0	9.93e-04	1.00e-03	1.02e-03	83,89,96
	38.3	7.55e-03	7.65e-03	9.52e-03	83,83,96	0.0	0.0	0.0	0,0,0				
216	0.0	7.35e-03	7.48e-03	9.80e-03	81,81,94	0.0	0.0	0.0	0,0,0	-2.12e-03	-2.36e-03	-2.43e-03	83,89,96
	38.3	8.78e-03	8.88e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0				
217	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	1.99e-03	1.68e-03	1.57e-03	84,90,97
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
218	0.0	9.38e-03	9.59e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	2.72e-03	2.76e-03	2.72e-03	83,89,96
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
219	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	1.54e-03	5.59e-04	3.92e-04	84,90,97
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
220	0.0	4.26e-03	4.32e-03	5.40e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.94e-03	1.83e-03	1.79e-03	83,89,96
	38.3	3.96e-03	4.02e-03	5.28e-03	81,81,94	0.0	0.0	0.0	0,0,0				
221	0.0	7.44e-03	7.57e-03	9.08e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.40e-03	-1.38e-03	-1.37e-03	83,89,96
	38.3	8.56e-03	8.64e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
222	0.0	7.97e-03	8.13e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0	-2.10e-03	-2.03e-03	-2.00e-03	83,89,96
	38.3	9.61e-03	9.74e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0				
223	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	2.13e-03	1.84e-03	1.73e-03	84,90,97
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
224	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	2.68e-03	2.72e-03	2.73e-03	83,89,96
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
225	0.0	0.01	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-2.91e-04	-1.76e-04	-1.35e-04	84,90,97
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
226	0.0	5.01e-03	5.04e-03	6.35e-03	83,83,96	0.0	0.0	0.0	0,0,0	2.89e-03	2.81e-03	2.77e-03	83,89,96
	38.3	4.55e-03	4.59e-03	6.07e-03	81,81,94	0.0	0.0	0.0	0,0,0				
227	0.0	8.60e-03	8.71e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	1.72e-03	1.66e-03	1.64e-03	83,89,96
	38.3	9.84e-03	9.90e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
228	0.0	8.57e-03	8.77e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0	2.42e-03	2.05e-03	2.02e-03	83,89,96
	38.3	0.01	0.01	0.01	81,81,94	0.0	0.0	0.0	0,0,0				
229	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	2.41e-03	2.12e-03	2.01e-03	84,90,97
	38.3	0.03	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
230	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-2.73e-03	-2.71e-03	-2.72e-03	83,89,96
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
231	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	1.70e-03	9.89e-04	7.58e-04	84,90,97
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
232	0.0	5.86e-03	5.85e-03	7.41e-03	83,83,96	0.0	0.0	0.0	0,0,0	-3.70e-03	-3.48e-03	-3.39e-03	83,89,96
	38.3	5.35e-03	5.37e-03	7.14e-03	81,81,94	0.0	0.0	0.0	0,0,0				
233	0.0	9.80e-03	9.90e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-1.98e-03	-1.90e-03	-1.87e-03	83,89,96
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
234	0.0	9.20e-03	9.44e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0	-3.06e-03	-2.49e-03	-2.27e-03	83,89,96
	38.3	0.01	0.01	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
235	0.0	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0	1.08e-03	9.68e-04	9.21e-04	84,90,97
	14.8	0.03	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
236	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-2.82e-03	-2.79e-03	-2.77e-03	83,89,96
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
237	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	1.18e-04	7.42e-05	5.83e-05	84,90,97
	14.8	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
238	0.0	6.81e-03	6.76e-03	8.56e-03	83,83,96	0.0	0.0	0.0	0,0,0	-4.15e-03	-3.88e-03	-3.78e-03	83,89,96
	38.3	6.40e-03	6.38e-03	8.53e-03	81,81,94	0.0	0.0	0.0	0,0,0				
239	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-2.19e-03	-2.10e-03	-2.06e-03	83,89,96
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
240	0.0	0.01	0.01	0.01	83,83,94	0.0	0.0	0.0	0,0,0	3.57e-03	3.00e-03	2.74e-03	83,89,96
	38.3	0.01	0.01	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
241	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-3.18e-03	-3.00e-03	-2.93e-03	83,89,96
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
242	0.0	7.83e-03	7.75e-03	9.77e-03	83,83,96	0.0	0.0	0.0	0,0,0	-4.47e-03	-4.17e-03	-4.05e-03	83,89,96
	38.3	7.71e-03	7.65e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0				
243	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	2.37e-03	2.27e-03	2.22e-03	83,89,96
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
244	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	3.98e-03	3.39e-03	3.12e-03	83,89,96
	38.3	0.02	0.02	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
245	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	5.21e-04	4.08e-03	3.71e-03	83,89,96

	38.3	0.01	0.01	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
246	0.0	8.79e-03	8.68e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	4.73e-03	4.40e-03	4.27e-03	83,89,96
	38.3	9.33e-03	9.23e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0				
247	0.0	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0	2.46e-03	2.34e-03	2.30e-03	83,89,96
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
248	0.0	0.01	0.01	0.02	83,83,94	0.0	0.0	0.0	0,0,0	-4.32e-03	-3.68e-03	-3.38e-03	83,89,96
	38.3	0.02	0.02	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
249	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	2.08e-03	5.14e-04	5.10e-04	83,89,96
	38.3	0.01	0.01	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
250	0.0	9.42e-03	9.32e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	4.95e-03	4.58e-03	4.43e-03	83,89,96
	38.3	0.01	0.01	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
251	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-2.35e-03	2.24e-03	2.20e-03	83,89,96
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
252	0.0	0.01	0.01	0.02	83,83,94	0.0	0.0	0.0	0,0,0	4.60e-03	3.84e-03	3.47e-03	83,89,96
	38.3	0.02	0.02	0.03	81,81,94	0.0	0.0	0.0	0,0,0				
253	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	5.48e-04	5.29e-04	5.22e-04	83,89,96
	38.3	0.01	0.01	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
254	0.0	9.07e-03	9.03e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	5.09e-03	4.66e-03	4.48e-03	83,89,96
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
255	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-3.22e-03	-3.03e-03	-2.40e-03	83,89,96
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
256	0.0	0.02	0.02	0.02	81,81,94	0.0	0.0	0.0	0,0,0	4.70e-03	3.71e-03	3.34e-03	83,89,96
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
257	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	8.92e-04	6.82e-04	5.78e-04	83,89,96
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
258	0.0	8.26e-03	8.31e-03	0.01	81,81,94	0.0	0.0	0.0	0,0,0	4.93e-03	4.33e-03	4.09e-03	83,89,96
	38.3	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
259	0.0	0.03	0.03	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-4.58e-03	-4.43e-03	-4.37e-03	83,89,96
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
260	0.0	0.02	0.02	0.03	81,81,94	0.0	0.0	0.0	0,0,0	-4.29e-03	2.90e-03	2.39e-03	83,89,96
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
261	0.0	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0	1.27e-03	1.08e-03	9.89e-04	83,89,96
	38.3	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
262	0.0	0.0	0.06	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-4.70e-03	-3.87e-03	-3.57e-03	83,89,96
	40.0	0.02	0.10	0.02	84,84,97	0.0	0.0	0.0	0,0,0				
263	0.0	0.03	0.08	0.02	84,84,97	0.0	0.0	0.0	0,0,0	8.74e-03	6.92e-03	6.35e-03	84,90,97
	198.0	0.05	0.10	0.06	81,83,94	0.0	0.0	0.0	0,0,0				
264	0.0	7.20e-03	0.11	9.60e-03	81,83,94	0.0	0.0	0.0	0,0,0	4.33e-03	4.14e-03	4.06e-03	83,89,96
	47.9	0.02	0.13	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
265	0.0	0.09	0.12	0.12	83,83,96	0.0	0.0	0.0	0,0,0	0.06	0.06	0.05	81,87,94
	187.5	0.03	0.11	0.04	83,84,96	0.0	0.0	0.0	0,0,0				
	374.9	0.02	0.04	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
266	0.0	6.49e-03	0.12	5.34e-03	84,84,97	0.0	0.0	0.0	0,0,0	-1.82e-03	-1.51e-03	-1.39e-03	83,89,96
	40.0	5.28e-03	0.12	5.05e-03	84,84,97	0.0	0.0	0.0	0,0,0				
267	0.0	0.04	0.13	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-7.75e-03	-7.40e-03	-7.26e-03	83,89,96
	39.6	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
268	0.0	7.09e-03	0.10	3.81e-03	84,84,97	0.0	0.0	0.0	0,0,0	-3.84e-03	-3.16e-03	-2.89e-03	83,89,96
	40.0	0.02	0.12	0.02	84,84,97	0.0	0.0	0.0	0,0,0				
269	0.0	0.04	0.15	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-6.52e-03	-6.24e-03	-6.13e-03	83,89,96
	39.6	0.03	0.13	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
270	0.0	5.47e-03	0.12	4.57e-03	84,84,97	0.0	0.0	0.0	0,0,0	-1.21e-03	-1.01e-03	9.31e-04	83,89,96
	40.0	1.94e-03	0.12	1.37e-03	84,84,97	0.0	0.0	0.0	0,0,0				
271	0.0	9.44e-03	0.11	7.09e-03	84,84,97	0.0	0.0	0.0	0,0,0	3.29e-03	2.72e-03	2.49e-03	83,89,96
	42.0	0.02	0.12	0.02	84,84,97	0.0	0.0	0.0	0,0,0				
272	0.0	0.03	0.14	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-5.35e-03	-5.13e-03	-5.04e-03	83,89,96
	39.6	0.03	0.15	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
273	0.0	6.15e-03	0.12	5.42e-03	84,84,97	0.0	0.0	0.0	0,0,0	-6.30e-04	-5.27e-04	-4.87e-04	83,89,96
	40.0	2.98e-04	0.11	0.0	84,84,0	0.0	0.0	0.0	0,0,0				
274	0.0	8.27e-03	0.11	7.67e-03	84,84,97	0.0	0.0	0.0	0,0,0	-6.82e-05	-6.16e-05	-5.90e-05	83,89,96
	40.0	0.0	0.10	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
275	0.0	0.01	0.11	9.85e-03	84,84,97	0.0	0.0	0.0	0,0,0	5.83e-04	4.74e-04	4.41e-04	84,90,97
	40.0	0.0	0.09	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
276	0.0	6.01e-03	0.09	5.12e-03	84,84,97	0.0	0.0	0.0	0,0,0	1.08e-03	8.90e-04	8.26e-04	84,90,97
	40.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
277	0.0	0.0	0.07	0.0	0,84,0	0.0	0.0	0.0	0,0,0	2.45e-03	1.85e-03	1.62e-03	84,90,97
	45.0	0.05	0.14	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
278	0.0	0.13	0.15	0.15	83,84,96	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04	83,89,96
	64.5	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
279	0.0	0.06	0.18	0.06	83,84,96	0.0	0.0	0.0	0,0,0	-3.39e-03	-3.21e-03	-3.14e-03	83,89,96
	45.0	0.05	0.17	0.05	83,84,96	0.0	0.0	0.0	0,0,0				
280	0.0	0.04	0.14	0.04	84,84,97	0.0	0.0	0.0	0,0,0	7.24e-04	4.65e-04	3.67e-04	84,90,97
	29.9	0.06	0.16	0.06	84,84,97	0.0	0.0	0.0	0,0,0				
281	0.0	0.06	0.17	0.06	83,84,96	0.0	0.0	0.0	0,0,0	5.42e-03	5.00e-03	4.84e-03	83,89,96
	45.0	9.28e-03	0.11	0.01	83,84,96	0.0	0.0	0.0	0,0,0				
282	0.0	0.07	0.09	0.08	83,84,96	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03	83,89,96
	187.5	0.03	0.09	0.03	83,84,96	0.0	0.0	0.0	0,0,0				
	374.9	4.46e-03	5.50e-03	5.94e-03	81,83,94	0.0	0.0	0.0	0,0,0				
283	0.0	0.0	0.05	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-4.90e-03	4.34e-03	4.11e-03	83,89,96
	47.9	0.04	0.11	0.05	83,84,96	0.0	0.0	0.0	0,0,0				
284	0.0	0.04	0.11	0.04	83,84,96	0.0	0.0	0.0	0,0,0	-3.30e-04	-3.00e-04	-2.91e-04	84,90,97
	39.6	1.59e-03	0.06	2.13e-03	81,84,94	0.0	0.0	0.0	0,0,0				
285	0.0	0.04	0.13	0.05	83,84,96	0.0	0.0	0.0	0,0,0	6.78e-04	5.94e-04	5.60e-04	83,89,96
	39.6	0.03	0.11	0.03	83,84,96	0.0	0.0	0.0	0,0,0				
286	0.0	0.04	0.13	0.04	83,84,96	0.0	0.0	0.0	0,0,0	1.89e-03	1.68e-03	1.59e-03	83,89,96
	39.6	0.04	0.13	0.04	83,84,96	0.0	0.0	0.0	0,0,0				
287	0.0	0.0	0.10	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-5.23e-03	-4.81e-03	-4.65e-03	83,89,96
	45.0	0.05	0.17	0.06	84,84,97	0.0	0.0	0.0	0,0,0				
288	0.0	0.10	0.13	0.10	84,84,97	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	81,87,94
	187.4	0.04	0.14	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
	374.8	0.03	0.10	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
289	0.0	0.05	0.19	0.06	84,84,97	0.0	0.0	0.0	0,0,0	-1.33e-03	-9.09e-04	-7.50e-04	84,90,97
	45.0	0.03	0.16	0.03	84,84,97	0.0	0.0	0.0	0,0,0				
290	0.0	0.04	0.17	0.05	83,84,96	0.0	0.0	0.0	0,0,0	-2.41e-03	-2.26e-03	-2.20e-03	83,89,96
	29.9	0.06	0.19	0.06	84,84,97	0.0	0.0	0.0	0,0,0				
291	0.0	0.05	0.16	0.05	84,84,97	0.0	0.0	0.0	0,0,0	-3.04e-03	-2.34e-03	-2.07e-03	84,90,97
	45.0	0.0	0.09	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
292	0.0	0.05	0.19	0.06	84,84,97	0.0	0.0	0.0	0,0,0	5.97e-04	5.97e-04	5.97e-04	81,87,94
	30.1	0.05	0.19	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
293	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.64e-03	-9.27e-03	-9.12e-03	83,89,96
	39.6	0.02	0.07	0.03	81,83,94	0.0	0.0	0.0	0,0,0				
294	0.0	4.33e-03	0.02	4.74e-03	84,83,97	0.0	0.0	0.0	0,0,0	-5.88e-03	-5.62e-03	-5.61e-03	83,89,96

	39.6	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
295	0.0	0.02	0.07	0.03	81,83,94	0.0	0.0	0.0	0,0,0	-8.76e-03	-8.42e-03	-8.29e-03	83,89,96
	39.6	0.03	0.08	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
296	0.0	0.02	0.08	0.03	83,83,96	0.0	0.0	0.0	0,0,0	8.09e-03	7.77e-03	7.64e-03	83,89,96
	39.6	0.02	0.07	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
297	0.0	0.02	0.07	0.03	83,83,96	0.0	0.0	0.0	0,0,0	5.95e-03	5.72e-03	5.62e-03	83,89,96
	31.3	0.01	0.05	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
298	0.0	6.54e-03	0.10	8.72e-03	81,84,94	0.0	0.0	0.0	0,0,0	-5.76e-03	-5.36e-03	-5.20e-03	83,89,96
	45.0	0.05	0.16	0.06	83,84,96	0.0	0.0	0.0	0,0,0				
299	0.0	0.11	0.13	0.12	84,84,97	0.0	0.0	0.0	0,0,0	-0.05	-0.03	-0.04	84,90,97
	100.1	0.01	0.02	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
300	0.0	0.05	0.15	0.06	84,84,97	0.0	0.0	0.0	0,0,0	2.36e-03	1.70e-03	1.46e-03	84,90,97
	45.0	0.0	0.09	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
301	0.0	0.05	0.18	0.06	83,84,96	0.0	0.0	0.0	0,0,0	2.23e-03	2.23e-03	2.23e-03	81,87,94
	60.1	0.04	0.17	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
302	0.0	0.04	0.16	0.05	83,84,96	0.0	0.0	0.0	0,0,0	-3.86e-03	-3.69e-03	-3.62e-03	83,89,96
	45.0	0.06	0.18	0.06	83,84,96	0.0	0.0	0.0	0,0,0				
303	0.0	0.0	0.07	0.0	0,84,0	0.0	0.0	0.0	0,0,0	9.93e-04	9.20e-04	8.91e-04	83,89,96
	39.6	0.03	0.11	0.04	84,84,97	0.0	0.0	0.0	0,0,0				
304	0.0	0.02	0.08	0.03	83,84,96	0.0	0.0	0.0	0,0,0	-3.03e-03	-2.73e-03	-2.61e-03	84,90,97
	39.6	6.10e-03	0.06	8.13e-03	81,84,94	0.0	0.0	0.0	0,0,0				
305	0.0	0.02	0.11	0.02	84,84,97	0.0	0.0	0.0	0,0,0	1.66e-04	1.66e-04	1.66e-04	81,87,94
	39.6	0.04	0.14	0.04	84,84,97	0.0	0.0	0.0	0,0,0				
306	0.0	0.03	0.13	0.04	84,84,97	0.0	0.0	0.0	0,0,0	-1.08e-03	-9.10e-04	-8.46e-04	84,90,97
	39.6	0.04	0.14	0.04	83,84,96	0.0	0.0	0.0	0,0,0				
307	0.0	0.04	0.14	0.05	83,84,96	0.0	0.0	0.0	0,0,0	-1.73e-03	-1.50e-03	-1.41e-03	84,90,97
	31.3	0.03	0.13	0.04	83,84,96	0.0	0.0	0.0	0,0,0				
308	0.0	0.13	0.19	0.14	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	100.1	4.42e-03	0.01	5.03e-03	83,84,96	0.0	0.0	0.0	0,0,0				
309	0.0	0.0	0.13	0.0	0,84,0	0.0	0.0	0.0	0,0,0	4.75e-03	3.93e-03	3.62e-03	84,90,97
	45.0	0.05	0.19	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
310	0.0	0.05	0.21	0.06	83,84,96	0.0	0.0	0.0	0,0,0	-3.91e-03	-3.60e-03	-3.48e-03	83,89,96
	45.0	1.31e-03	0.14	1.75e-03	81,83,94	0.0	0.0	0.0	0,0,0				
311	0.0	0.03	0.19	0.03	84,84,97	0.0	0.0	0.0	0,0,0	2.81e-03	2.29e-03	2.09e-03	84,90,97
	45.0	0.05	0.22	0.06	84,84,97	0.0	0.0	0.0	0,0,0				
312	0.0	0.04	0.22	0.04	84,84,97	0.0	0.0	0.0	0,0,0	-4.83e-04	-4.22e-04	-3.98e-04	84,90,97
	60.1	0.04	0.22	0.05	83,84,96	0.0	0.0	0.0	0,0,0				
313	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	3.77e-03	3.19e-03	2.96e-03	83,89,96
	40.2	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
314	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.30e-03	3.63e-03	3.36e-03	83,89,96
	40.2	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
315	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.08e-03	4.14e-03	3.79e-03	83,89,96
	40.2	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
316	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.17e-03	-1.01e-03	-9.40e-04	83,89,96
	40.2	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
317	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.74e-03	-1.48e-03	-1.38e-03	83,89,96
	40.2	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
318	0.0	8.22e-03	0.02	9.68e-03	83,83,96	0.0	0.0	0.0	0,0,0	3.78e-03	3.42e-03	3.27e-03	83,89,96
	40.0	0.0	5.25e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
319	0.0	4.29e-03	4.12e-03	4.87e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.02e-03	-7.51e-04	-6.57e-04	84,90,97
	50.0	3.32e-03	5.70e-03	3.54e-03	83,83,96	0.0	0.0	0.0	0,0,0				
320	0.0	3.88e-03	6.62e-03	5.17e-03	81,82,94	0.0	0.0	0.0	0,0,0	5.43e-03	4.90e-03	4.72e-03	83,89,96
	40.0	2.29e-03	2.25e-03	3.05e-03	81,81,94	0.0	0.0	0.0	0,0,0				
321	0.0	0.03	0.09	0.04	83,83,96	0.0	0.0	0.0	0,0,0	3.05e-03	2.97e-03	2.94e-03	83,89,96
	50.0	0.03	0.07	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
322	0.0	0.03	0.12	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-0.05	-0.05	-0.04	83,89,96
	222.5	0.02	0.04	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
323	0.0	0.02	0.07	0.02	83,83,96	0.0	0.0	0.0	0,0,0	0.05	0.04	0.04	83,89,96
	222.5	9.78e-03	0.03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
324	0.0	0.02	0.04	0.03	83,83,96	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04	83,89,96
	222.5	0.04	0.12	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
325	0.0	0.01	0.02	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-4.88e-03	-4.39e-03	-4.19e-03	83,89,96
	40.0	0.02	0.03	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
326	0.0	2.71e-03	2.91e-03	2.86e-03	83,83,96	0.0	0.0	0.0	0,0,0	-8.81e-04	-6.62e-04	-5.85e-04	84,90,97
	40.0	4.22e-03	7.23e-03	4.48e-03	83,83,96	0.0	0.0	0.0	0,0,0				
327	0.0	5.98e-03	5.62e-03	5.30e-03	83,83,96	0.0	0.0	0.0	0,0,0	-5.41e-03	-4.92e-03	-4.73e-03	83,89,96
	40.0	9.90e-03	0.02	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
328	0.0	0.03	0.08	0.03	83,83,96	0.0	0.0	0.0	0,0,0	1.18e-03	1.11e-03	1.05e-03	84,89,96
	120.0	0.01	0.03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
329	0.0	7.35e-03	9.58e-03	8.27e-03	83,83,96	0.0	0.0	0.0	0,0,0	4.33e-03	3.90e-03	3.72e-03	83,89,96
	40.0	0.01	0.03	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
330	0.0	2.69e-03	2.68e-03	2.22e-03	83,83,95	0.0	0.0	0.0	0,0,0	-5.29e-03	-4.87e-03	-4.71e-03	83,89,96
	40.0	6.91e-03	9.59e-03	6.34e-03	83,83,96	0.0	0.0	0.0	0,0,0				
331	0.0	3.01e-03	3.02e-03	3.12e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.68e-03	-1.32e-03	-1.18e-03	84,90,97
	50.0	1.76e-03	1.77e-03	1.60e-03	83,83,96	0.0	0.0	0.0	0,0,0				
332	0.0	0.02	0.05	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-2.70e-03	-2.08e-03	-1.84e-03	84,90,97
	50.0	8.67e-03	0.02	7.49e-03	83,83,96	0.0	0.0	0.0	0,0,0				
333	0.0	2.85e-03	2.71e-03	3.07e-03	83,83,96	0.0	0.0	0.0	0,0,0	3.95e-03	3.55e-03	3.39e-03	83,89,96
	40.0	9.61e-03	0.02	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
334	0.0	2.56e-03	2.50e-03	3.40e-03	82,81,95	0.0	0.0	0.0	0,0,0	-5.58e-03	-5.57e-03	-1.73e-03	83,89,96
	40.0	3.52e-03	3.33e-03	2.55e-03	83,83,96	0.0	0.0	0.0	0,0,0				
335	0.0	3.71e-03	4.61e-03	3.80e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.19e-03	9.26e-04	8.30e-04	84,90,97
	40.0	2.87e-03	2.71e-03	3.04e-03	83,83,96	0.0	0.0	0.0	0,0,0				
336	0.0	3.27e-03	4.05e-03	4.05e-03	83,82,96	0.0	0.0	0.0	0,0,0	3.74e-03	3.36e-03	3.21e-03	83,89,96
	40.0	4.90e-03	0.01	5.43e-03	83,83,96	0.0	0.0	0.0	0,0,0				
337	0.0	2.35e-03	2.35e-03	2.61e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.95e-03	-3.54e-03	-3.64e-03	83,89,96
	40.0	2.72e-03	2.64e-03	3.60e-03	82,82,95	0.0	0.0	0.0	0,0,0				
338	0.0	3.83e-03	5.37e-03	4.02e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.03e-03	7.92e-04	7.06e-04	84,90,97
	40.0	3.98e-03	5.80e-03	4.20e-03	83,83,96	0.0	0.0	0.0	0,0,0				
339	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.69e-03	-2.41e-03	-2.30e-03	84,90,97
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
340	0.0	7.72e-03	0.02	9.01e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.72e-03	-1.56e-03	-1.49e-03	84,90,97
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
341	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.22e-04	-5.91e-04	-5.10e-04	84,90,97
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
342	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.27e-04	-4.25e-04	-3.85e-04	83,89,96
	38.3	0.02	0.05	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
343	0.0	0.02	0.03	0.02	84,84,97	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	83,89,96
	78.5	0.07	0.16	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
344	0.0	0.10	0.17	0.12	83,83,96	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04	83,89,96
	111.3	0.01	0.03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				

	222.5	0.12	0.19	0.15	83,83,96	0.0	0.0	0.0	0,0,0				
345	0.0	0.07	0.13	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-1.67e-03	-1.45e-03	-1.37e-03	84,90,97
	50.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
346	0.0	0.06	0.12	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	83,89,96
	111.3	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
	222.5	0.03	0.08	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
347	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.79e-03	-1.65e-03	-1.59e-03	83,89,96
	40.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
348	0.0	1.24e-03	5.03e-03	1.65e-03	81,81,94	0.0	0.0	0.0	0,0,0	-1.69e-03	-1.46e-03	-1.38e-03	84,90,97
	50.0	5.58e-04	4.43e-03	6.20e-04	83,84,96	0.0	0.0	0.0	0,0,0				
349	0.0	8.56e-04	0.02	1.14e-03	81,83,94	0.0	0.0	0.0	0,0,0	-1.55e-03	-1.38e-03	-1.32e-03	83,89,96
	40.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
350	0.0	0.05	0.07	0.06	83,83,96	0.0	0.0	0.0	0,0,0	7.02e-04	7.02e-04	7.02e-04	81,87,94
	38.3	7.45e-03	0.01	9.13e-03	83,83,96	0.0	0.0	0.0	0,0,0				
351	0.0	0.04	0.06	0.04	84,84,97	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03	84,90,97
	78.5	0.09	0.20	0.09	84,84,97	0.0	0.0	0.0	0,0,0				
352	0.0	0.07	0.12	0.07	84,84,97	0.0	0.0	0.0	0,0,0	-0.17	-0.05	-0.05	84,90,97
	87.5	0.13	0.29	0.14	83,83,96	0.0	0.0	0.0	0,0,0				
353	0.0	0.04	0.02	0.04	84,84,97	0.0	0.0	0.0	0,0,0	5.44e-04	4.90e-04	4.73e-04	84,90,97
	39.6	0.05	0.04	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
354	0.0	0.07	0.14	0.08	83,83,96	0.0	0.0	0.0	0,0,0	7.01e-03	6.09e-03	5.73e-03	84,90,97
	39.6	0.13	0.23	0.15	83,83,96	0.0	0.0	0.0	0,0,0				
355	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.55e-04	-7.10e-04	-6.22e-04	84,90,97
	38.3	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
356	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.20e-03	-3.80e-03	-3.63e-03	83,89,96
	54.5	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
357	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.80e-04	9.54e-05	9.54e-05	84,87,94
	21.8	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
358	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.84e-04	1.95e-04	1.59e-04	83,89,96
	54.5	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
359	0.0	0.07	0.16	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	82,91,95
	120.5	0.07	0.17	0.08	84,84,97	0.0	0.0	0.0	0,0,0				
	241.0	0.10	0.16	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
360	0.0	2.14e-03	0.04	2.86e-03	81,83,94	0.0	0.0	0.0	0,0,0	-1.70e-03	-1.06e-03	-8.30e-04	84,90,97
	120.0	0.02	0.05	0.02	81,83,94	0.0	0.0	0.0	0,0,0				
361	0.0	0.0	8.92e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.13e-03	-1.96e-03	-1.89e-03	83,89,96
	40.0	8.55e-04	0.01	8.51e-04	83,83,96	0.0	0.0	0.0	0,0,0				
362	0.0	0.0	5.19e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-1.28e-03	-1.10e-03	-1.03e-03	84,90,97
	40.0	0.0	4.84e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
363	0.0	0.0	6.63e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-1.80e-03	-1.61e-03	-1.54e-03	83,89,96
	40.0	0.0	5.80e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
364	0.0	0.07	0.17	0.07	84,83,97	0.0	0.0	0.0	0,0,0	-1.43e-03	-1.27e-03	-1.21e-03	84,90,97
	54.5	0.06	0.15	0.06	84,83,97	0.0	0.0	0.0	0,0,0				
365	0.0	0.09	0.20	0.09	84,84,97	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03	84,90,97
	119.0	0.06	0.13	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
366	0.0	0.08	0.17	0.09	84,83,97	0.0	0.0	0.0	0,0,0	-2.27e-03	-2.03e-03	-1.93e-03	83,89,96
	29.9	0.09	0.19	0.10	84,84,97	0.0	0.0	0.0	0,0,0				
367	0.0	0.0	0.05	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-0.06	-0.05	-0.04	83,89,96
	100.1	0.35	0.59	0.41	83,83,96	0.18	0.18	0.17	83,89,96				
368	0.0	0.09	0.20	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-4.59e-03	-4.13e-03	-3.95e-03	83,89,96
	47.9	0.11	0.24	0.12	84,83,97	0.0	0.0	0.0	0,0,0				
369	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	9.13e-04	9.13e-04	9.13e-04	81,87,94
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
370	0.0	0.01	0.05	0.01	84,83,97	0.0	0.0	0.0	0,0,0	-1.24e-03	-1.13e-03	-1.09e-03	83,89,96
	23.5	9.06e-03	0.05	8.75e-03	84,83,97	0.0	0.0	0.0	0,0,0				
371	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.26e-03	1.24e-03	1.23e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
372	0.0	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0	1.19e-03	1.14e-03	1.13e-03	83,89,96
	38.3	0.01	4.98e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
373	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.14e-03	-1.96e-03	-1.89e-03	83,89,96
	40.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
374	0.0	0.0	8.92e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-1.86e-03	-1.66e-03	-1.59e-03	83,89,96
	40.0	0.0	9.59e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
375	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.22e-04	-7.67e-04	-7.09e-04	84,90,97
	23.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
376	0.0	0.13	0.29	0.14	83,83,96	0.0	0.0	0.0	0,0,0	-0.17	-0.05	-0.05	84,87,94
	374.8	0.34	0.53	0.40	83,83,96	0.15	0.16	0.15	83,89,96				
377	0.0	0.04	0.08	0.04	84,84,97	0.0	0.0	0.0	0,0,0	-1.46e-03	-1.23e-03	-1.14e-03	83,89,96
	31.3	0.05	0.09	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
378	0.0	0.13	0.25	0.14	83,83,96	0.0	0.0	0.0	0,0,0	1.99e-03	1.67e-03	1.55e-03	84,90,97
	39.6	0.10	0.20	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
379	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.26e-04	5.53e-04	4.91e-04	84,90,97
	38.3	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
380	0.0	0.03	0.06	0.03	84,83,97	0.0	0.0	0.0	0,0,0	-2.82e-03	-2.66e-03	-2.59e-03	83,89,96
	38.3	0.02	0.05	0.02	84,83,97	0.0	0.0	0.0	0,0,0				
381	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.56e-03	-3.35e-03	-3.26e-03	83,89,96
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
382	0.0	0.02	0.10	0.02	84,83,97	0.0	0.0	0.0	0,0,0	-2.88e-04	-2.88e-04	-2.88e-04	81,87,94
	38.3	2.32e-03	0.08	0.0	84,83,0	0.0	0.0	0.0	0,0,0				
383	0.0	0.10	0.17	0.12	83,83,96	0.0	0.0	0.0	0,0,0	2.74e-03	2.35e-03	2.21e-03	84,90,97
	53.5	0.10	0.17	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
384	0.0	0.02	0.05	0.02	81,83,94	0.0	0.0	0.0	0,0,0	-2.28e-03	-2.04e-03	-1.94e-03	84,90,97
	50.0	0.03	0.07	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
385	0.0	0.0	4.87e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.45e-03	-1.24e-03	-1.16e-03	84,90,97
	50.0	2.76e-03	0.01	3.32e-03	83,83,96	0.0	0.0	0.0	0,0,0				
386	0.0	0.03	0.10	0.02	84,83,97	0.0	0.0	0.0	0,0,0	-1.78e-03	-1.78e-03	-1.78e-03	81,87,94
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
387	0.0	2.28e-03	0.02	3.03e-03	81,83,94	0.0	0.0	0.0	0,0,0	-7.05e-04	-5.50e-04	-4.96e-04	83,89,96
	38.0	7.62e-04	0.02	1.02e-03	81,83,94	0.0	0.0	0.0	0,0,0				
388	0.0	0.06	0.15	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-0.07	-0.06	-0.05	84,90,97
	214.6	0.10	0.24	0.11	84,84,97	0.0	0.0	0.0	0,0,0				
389	0.0	0.10	0.22	0.11	83,83,96	0.0	0.0	0.0	0,0,0	6.29e-04	5.59e-04	5.31e-04	83,89,96
	60.1	0.08	0.19	0.08	84,83,97	0.0	0.0	0.0	0,0,0				
390	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-0.11	-0.08	-0.06	83,89,96
	374.8	0.25	0.44	0.27	83,83,96	0.12	0.0	0.0	83,0,0				
391	0.0	1.23e-03	7.04e-03	1.64e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.66e-03	-1.49e-03	-1.42e-03	84,90,97
	38.3	0.0	4.18e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
392	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.10e-03	-1.01e-03	-9.77e-04	83,89,96
	40.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
393	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.87e-03	-1.68e-03	-1.60e-03	83,89,96
	40.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				

394	0.0	7.87e-03	9.07e-03	9.64e-03	83,83,96	0.0	0.0	0.0	0,0,0	8.28e-04	8.28e-04	8.28e-04	81,87,94
	38.3	9.99e-04	5.51e-04	1.18e-03	83,83,96	0.0	0.0	0.0	0,0,0				
395	0.0	0.05	0.06	0.05	84,84,97	0.0	0.0	0.0	0,0,0	-1.38e-03	-1.14e-03	-1.04e-03	83,89,96
	47.9	0.04	0.05	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
396	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.28e-03	-3.10e-03	-3.02e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
397	0.0	9.89e-03	0.02	7.71e-03	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	222.5	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
398	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.38e-04	-8.38e-04	-8.38e-04	81,87,94
	40.2	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
399	0.0	0.0	5.29e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.19e-03	-1.01e-03	-9.48e-04	84,90,97
	40.0	0.0	4.65e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
400	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	84,90,97
	120.5	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
401	0.0	0.02	0.03	0.01	84,84,97	0.0	0.0	0.0	0,0,0	-6.00e-04	-2.77e-04	-1.48e-04	83,89,96
	40.0	9.61e-03	0.02	5.28e-03	84,84,97	0.0	0.0	0.0	0,0,0				
402	0.0	0.23	0.36	0.24	84,84,97	0.0	0.0	0.0	0,0,0	-0.07	-0.06	-0.05	84,90,97
	100.1	0.06	0.14	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
403	0.0	0.06	0.13	0.08	83,83,96	0.0	0.0	0.0	0,0,0	7.94e-03	7.16e-03	6.85e-03	83,89,96
	45.0	0.13	0.23	0.15	83,83,96	0.0	0.0	0.0	0,0,0				
404	0.0	0.28	0.50	0.31	84,83,97	0.14	0.14	0.0	83,89,0	-0.11	-0.08	-0.06	83,89,96
	87.5	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
405	0.0	7.89e-03	0.05	7.17e-03	84,83,97	0.0	0.0	0.0	0,0,0	-1.53e-03	-1.41e-03	-1.36e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
406	0.0	0.01	5.28e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	1.68e-03	1.60e-03	1.57e-03	83,89,96
	38.3	5.27e-03	3.00e-03	6.26e-03	83,83,96	0.0	0.0	0.0	0,0,0				
407	0.0	8.16e-04	0.02	0.0	84,83,0	0.0	0.0	0.0	0,0,0	-1.71e-03	-1.45e-03	-1.35e-03	84,90,97
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
408	0.0	0.06	0.10	0.08	83,83,96	0.0	0.0	0.0	0,0,0	7.88e-03	7.02e-03	6.68e-03	83,89,96
	45.0	0.13	0.21	0.15	83,83,96	0.0	0.0	0.0	0,0,0				
409	0.0	0.21	0.39	0.21	84,84,97	0.0	0.0	0.0	0,0,0	-0.06	-0.05	-0.04	84,90,97
	374.9	0.0	0.06	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
410	0.0	0.10	0.21	0.11	83,83,96	0.0	0.0	0.0	0,0,0	-4.27e-04	-4.27e-04	-4.27e-04	81,87,94
	39.6	0.08	0.18	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
411	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.71e-03	-1.71e-03	-1.71e-03	81,87,94
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
412	0.0	0.0	9.51e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.19e-03	-3.90e-03	-3.79e-03	83,89,96
	38.3	0.02	0.03	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
413	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.71e-03	-1.65e-03	-1.63e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
414	0.0	0.02	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-1.52e-04	-1.52e-04	-1.51e-04	82,91,95
	38.3	3.17e-03	1.69e-03	3.18e-03	83,83,96	0.0	0.0	0.0	0,0,0				
415	0.0	0.03	0.07	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-1.05e-04	-1.05e-04	-1.05e-04	81,87,94
	25.8	0.03	0.07	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
416	0.0	1.31e-03	0.01	1.75e-03	81,83,94	0.0	0.0	0.0	0,0,0	-5.17e-03	-4.89e-03	-4.79e-03	83,89,96
	38.3	0.05	0.08	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
417	0.0	0.06	0.05	0.06	84,84,97	0.0	0.0	0.0	0,0,0	0.02	0.01	0.01	84,90,97
	198.0	0.22	0.23	0.24	84,84,97	0.0	0.0	0.0	0,0,0				
418	0.0	0.10	0.25	0.10	84,84,97	0.0	0.0	0.0	0,0,0	-0.07	-0.06	-0.05	83,89,96
	160.3	0.35	0.58	0.39	83,83,96	0.18	0.17	0.16	83,89,96				
419	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-0.05	-0.03	-0.03	83,89,96
	87.5	0.32	0.54	0.36	83,83,96	0.16	0.16	0.15	83,89,96				
420	0.0	0.09	0.24	0.10	83,83,96	0.0	0.0	0.0	0,0,0	-2.65e-03	-2.42e-03	-2.33e-03	83,89,96
	29.9	0.11	0.27	0.13	83,83,96	0.0	0.0	0.0	0,0,0				
421	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.03e-03	-1.86e-03	-1.80e-03	83,89,96
	40.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
422	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.36e-04	-8.38e-04	-7.99e-04	83,89,96
	40.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
423	0.0	0.0	0.14	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-5.80e-04	-4.83e-04	-4.46e-04	84,90,97
	38.3	0.0	0.15	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
424	0.0	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.35e-03	-4.77e-03	-4.53e-03	83,89,96
	40.2	0.0	0.16	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
425	0.0	0.0	0.07	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-4.47e-04	-4.47e-04	-4.47e-04	81,87,94
	40.2	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
426	0.0	0.0	5.22e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-1.23e-03	-1.05e-03	-9.85e-04	84,90,97
	40.0	0.0	4.91e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
427	0.0	0.05	0.18	0.04	84,83,97	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	84,90,97
	120.5	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
428	0.0	0.09	0.18	0.10	84,84,97	0.0	0.0	0.0	0,0,0	-7.25e-03	-6.35e-03	-6.00e-03	83,89,96
	45.0	0.04	0.09	0.04	84,84,97	0.0	0.0	0.0	0,0,0				
429	0.0	0.11	0.23	0.12	84,83,97	0.0	0.0	0.0	0,0,0	-8.48e-03	-7.53e-03	-7.15e-03	83,89,96
	39.6	0.05	0.14	0.06	84,83,97	0.0	0.0	0.0	0,0,0				
430	0.0	0.09	0.19	0.09	84,84,97	0.0	0.0	0.0	0,0,0	-8.03e-03	-6.79e-03	-6.30e-03	84,90,97
	39.6	0.04	0.12	0.04	84,84,97	0.0	0.0	0.0	0,0,0				
431	0.0	0.01	0.08	0.0	84,83,0	0.0	0.0	0.0	0,0,0	-1.42e-03	-1.42e-03	-1.42e-03	81,87,94
	38.3	0.0	0.06	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
432	0.0	0.0	6.69e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.16e-03	-3.88e-03	-3.77e-03	83,89,96
	38.3	0.0	9.55e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
433	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.94e-03	-3.80e-03	-3.74e-03	83,89,96
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
434	0.0	0.01	5.48e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-1.68e-03	-1.61e-03	-1.58e-03	83,89,96
	38.3	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
435	0.0	0.0	6.93e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.01e-03	-4.76e-03	-4.66e-03	83,89,96
	38.3	2.60e-03	0.01	3.47e-03	81,83,94	0.0	0.0	0.0	0,0,0				
436	0.0	1.22e-03	0.02	1.63e-03	81,84,94	0.0	0.0	0.0	0,0,0	-4.32e-04	-7.33e-04	-6.71e-04	83,89,96
	40.0	0.0	0.02	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
437	0.0	0.0	0.06	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-0.05	-0.03	-0.03	83,89,96
	310.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
438	0.0	0.02	0.16	0.02	84,83,97	0.0	0.0	0.0	0,0,0	6.14e-03	5.25e-03	4.90e-03	84,90,97
	45.0	0.09	0.25	0.09	84,83,97	0.0	0.0	0.0	0,0,0				
439	0.0	2.98e-04	1.95e-03	3.97e-04	81,84,94	0.0	0.0	0.0	0,0,0	-1.66e-03	-1.48e-03	-1.42e-03	84,90,97
	38.3	0.0	1.37e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
440	0.0	0.0	3.92e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0	8.16e-04	8.16e-04	8.16e-04	81,87,94
	38.3	0.0	3.43e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
441	0.0	0.04	0.04	0.04	84,83,97	0.0	0.0	0.0	0,0,0	-5.39e-03	-4.95e-03	-4.77e-03	83,89,96
	54.5	0.03	0.02	0.03	84,81,97	0.0	0.0	0.0	0,0,0				
442	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.46e-03	-1.42e-03	-1.41e-03	83,89,96
	54.5	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
443	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.94e-03	-5.43e-03	-5.23e-03	83,89,96
	54.5	0.08	0.22	0.08	84,83,97	0.0	0.0	0.0	0,0,0				
444	0.0	6.82e-03	0.03	1.30e-03	84,84,97	0.0	0.0	0.0	0,0,0	-3.35e-04	-1.90e-04	-1.32e-04	83,89,96

	40.0	3.64e-03	0.01	4.85e-03	81,81,94	0.0	0.0	0.0	0,0,0				
445	0.0	0.13	0.25	0.15	83,83,96	0.0	0.0	0.0	0,0,0	1.58e-03	1.42e-03	1.36e-03	84,90,97
	29.9	0.10	0.22	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
446	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.00e-03	-1.83e-03	-1.76e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
447	0.0	5.74e-03	3.29e-03	6.83e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.82e-03	1.73e-03	1.69e-03	83,89,96
	38.3	4.13e-03	2.52e-03	4.94e-03	83,83,96	0.0	0.0	0.0	0,0,0				
448	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.87e-03	-1.60e-03	-1.49e-03	84,90,97
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
449	0.0	0.13	0.23	0.15	83,83,96	0.0	0.0	0.0	0,0,0	1.93e-03	1.66e-03	1.55e-03	84,90,97
	45.0	0.09	0.18	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
450	0.0	0.08	0.18	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-1.36e-03	-1.25e-03	-1.21e-03	83,89,96
	31.3	0.09	0.19	0.10	83,84,96	0.0	0.0	0.0	0,0,0				
451	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.16e-03	-1.15e-03	-1.14e-03	83,89,96
	38.3	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
452	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.26e-04	4.26e-04	4.26e-04	81,87,94
	38.3	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
453	0.0	0.09	0.21	0.10	83,83,96	0.0	0.0	0.0	0,0,0	2.09e-04	1.85e-04	1.79e-04	84,90,97
	31.3	0.08	0.19	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
454	0.0	0.0	0.14	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-0.10	-0.09	-0.09	81,87,94
	374.9	0.23	0.49	0.22	84,84,97	0.14	0.0	0.0	84,0,0				
455	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.59e-03	1.32e-03	1.22e-03	84,90,97
	38.3	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
456	0.0	0.07	0.15	0.07	84,84,97	0.0	0.0	0.0	0,0,0	-4.32e-03	-3.68e-03	-3.43e-03	83,89,96
	39.6	0.09	0.18	0.09	84,84,97	0.0	0.0	0.0	0,0,0				
457	0.0	0.0	5.98e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.14e-03	-3.87e-03	-3.76e-03	83,89,96
	38.3	0.0	6.13e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
458	0.0	5.95e-03	3.43e-03	7.03e-03	83,83,96	0.0	0.0	0.0	0,0,0	-2.17e-03	-2.05e-03	-2.00e-03	83,89,96
	38.3	0.01	5.49e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
459	0.0	1.46e-03	4.63e-03	1.35e-03	83,83,96	0.0	0.0	0.0	0,0,0	-4.85e-03	-4.62e-03	-4.53e-03	83,89,96
	38.3	1.23e-03	4.32e-03	9.76e-04	83,83,96	0.0	0.0	0.0	0,0,0				
460	0.0	0.21	0.38	0.23	84,84,97	0.0	0.0	0.0	0,0,0	-0.05	-0.03	-0.03	84,90,97
	64.5	0.0	0.05	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
461	0.0	0.0	0.12	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-8.62e-04	-8.62e-04	-8.62e-04	81,87,94
	38.3	0.0	0.13	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
462	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.68e-03	-2.55e-03	-2.50e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
463	0.0	0.07	0.13	0.07	83,83,96	0.0	0.0	0.0	0,0,0	7.53e-03	6.65e-03	6.29e-03	84,90,97
	39.6	0.13	0.22	0.14	83,83,96	0.0	0.0	0.0	0,0,0				
464	0.0	0.31	0.59	0.36	83,83,96	0.18	0.18	0.18	83,89,96	-0.10	-0.09	-0.09	83,89,96
	100.1	0.0	0.12	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
465	0.0	0.03	0.09	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-2.04e-04	-2.04e-04	-2.04e-04	81,87,94
	39.7	0.02	0.08	0.03	83,84,96	0.0	0.0	0.0	0,0,0				
466	0.0	0.01	0.20	8.91e-03	83,83,96	0.0	0.0	0.0	0,0,0	-3.17e-03	-2.83e-03	-2.69e-03	83,89,96
	39.7	0.05	0.24	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
467	0.0	3.11e-03	0.01	3.86e-03	83,84,96	0.0	0.0	0.0	0,0,0	-8.61e-04	-4.07e-04	-3.75e-04	83,89,96
	40.0	1.50e-03	8.49e-03	2.01e-03	81,84,94	0.0	0.0	0.0	0,0,0				
468	0.0	0.07	0.21	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-1.71e-03	-1.64e-03	-1.61e-03	83,89,96
	60.1	0.09	0.24	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
469	0.0	7.55e-04	4.55e-04	1.01e-03	81,81,94	0.0	0.0	0.0	0,0,0	-1.67e-03	-1.50e-03	-1.43e-03	84,90,97
	38.3	1.01e-03	5.75e-04	1.34e-03	81,81,94	0.0	0.0	0.0	0,0,0				
470	0.0	0.0	6.06e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.08e-04	4.08e-04	4.08e-04	81,87,94
	38.3	0.0	6.69e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
471	0.0	1.26e-03	0.02	1.68e-03	81,81,94	0.0	0.0	0.0	0,0,0	-5.05e-04	-2.22e-04	-3.89e-04	83,89,96
	42.0	1.89e-03	0.02	2.52e-03	81,83,94	0.0	0.0	0.0	0,0,0				
472	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.20e-03	-2.00e-03	-1.93e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
473	0.0	2.26e-03	1.36e-03	2.73e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.82e-03	1.73e-03	1.70e-03	83,89,96
	38.3	2.19e-03	1.32e-03	2.50e-03	83,83,96	0.0	0.0	0.0	0,0,0				
474	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.04e-03	-1.76e-03	-1.65e-03	84,90,97
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
475	0.0	0.09	0.20	0.10	83,83,96	0.0	0.0	0.0	0,0,0	-1.45e-03	-1.35e-03	-1.32e-03	83,89,96
	60.1	0.08	0.19	0.09	84,83,97	0.0	0.0	0.0	0,0,0				
476	0.0	0.02	0.09	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-8.61e-04	-8.28e-04	-8.15e-04	83,89,96
	39.7	8.82e-04	0.08	7.75e-04	83,83,96	0.0	0.0	0.0	0,0,0				
477	0.0	0.0	0.26	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.11e-03	-3.70e-03	-3.54e-03	83,89,96
	39.7	0.05	0.31	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
478	0.0	0.04	0.12	0.05	84,83,97	0.0	0.0	0.0	0,0,0	-0.10	-0.06	-0.03	84,90,97
	100.1	0.25	0.41	0.27	83,83,96	0.11	0.0	0.0	83,0,0				
479	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.30e-03	9.68e-04	8.44e-04	84,90,97
	47.9	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
480	0.0	7.52e-03	0.07	8.42e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.32e-03	-1.24e-03	-1.22e-03	83,89,96
	39.7	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
481	0.0	0.04	0.10	0.05	84,84,97	0.0	0.0	0.0	0,0,0	-2.63e-03	-2.24e-03	-2.09e-03	83,89,96
	39.6	0.07	0.14	0.07	84,84,97	0.0	0.0	0.0	0,0,0				
482	0.0	0.0	5.57e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.12e-03	-3.85e-03	-3.74e-03	83,89,96
	38.3	0.0	5.22e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
483	0.0	3.80e-03	2.32e-03	4.54e-03	83,83,96	0.0	0.0	0.0	0,0,0	-2.30e-03	-2.17e-03	-2.12e-03	83,89,96
	38.3	5.39e-03	3.08e-03	6.38e-03	83,83,96	0.0	0.0	0.0	0,0,0				
484	0.0	1.79e-03	1.06e-03	1.96e-03	83,81,96	0.0	0.0	0.0	0,0,0	-4.73e-03	-4.51e-03	-4.42e-03	83,89,96
	38.3	2.01e-03	1.32e-03	2.19e-03	83,83,96	0.0	0.0	0.0	0,0,0				
485	0.0	0.07	0.19	0.08	84,83,97	0.0	0.0	0.0	0,0,0	-3.03e-03	-2.63e-03	-2.48e-03	83,89,96
	45.0	0.08	0.21	0.09	84,84,97	0.0	0.0	0.0	0,0,0				
486	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.36e-03	-3.27e-03	-3.24e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
487	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.46e-03	-1.24e-03	-1.16e-03	84,90,97
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
488	0.0	0.11	0.27	0.13	83,83,96	0.0	0.0	0.0	0,0,0	-9.18e-03	-8.36e-03	-8.03e-03	83,89,96
	45.0	0.05	0.17	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
489	0.0	0.09	0.23	0.10	84,83,97	0.0	0.0	0.0	0,0,0	1.46e-03	1.18e-03	1.07e-03	84,90,97
	45.0	0.07	0.21	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
490	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.34e-03	-2.99e-03	-2.86e-03	83,89,96
	38.3	2.02e-03	0.11	0.0	84,83,0	0.0	0.0	0.0	0,0,0				
491	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.27e-04	-4.27e-04	-4.27e-04	81,87,94
	38.3	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
492	0.0	0.32	0.53	0.36	84,83,97	0.15	0.15	0.14	83,89,96	-0.10	-0.06	-0.03	83,89,96
	374.9	0.04	0.13	0.05	84,83,97	0.0	0.0	0.0	0,0,0				
493	0.0	0.03	0.19	0.01	84,83,97	0.0	0.0	0.0	0,0,0	7.84e-03	6.55e-03	6.05e-03	84,90,97
	39.6	0.08	0.27	0.08	84,84,97	0.0	0.0	0.0	0,0,0				
494	0.0	0.12	0.24	0.14	83,83,96	0.0	0.0	0.0	0,0,0	2.96e-03	2.61e-03	2.48e-03	84,90,97
	47.9	0.09	0.19	0.10	83,83,96	0.0	0.0	0.0	0,0,0				

495	0.0	4.13e-03	0.04	4.85e-03	83,84,96	0.0	0.0	0.0	0,0,0	-2.29e-03	-2.15e-03	-2.09e-03	83,89,96
	55.2	0.0	0.03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
496	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.30e-04	-3.36e-04	-2.35e-04	84,90,97
	54.8	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
497	0.0	2.07e-03	6.81e-03	2.64e-03	83,84,96	0.0	0.0	0.0	0,0,0	-9.75e-04	-8.18e-04	-7.55e-04	83,89,96
	40.0	0.0	2.76e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
498	0.0	1.74e-03	1.04e-03	2.27e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.68e-03	-1.50e-03	-1.43e-03	84,90,97
	38.3	3.31e-03	1.79e-03	4.39e-03	83,83,96	0.0	0.0	0.0	0,0,0				
499	0.0	0.0	7.64e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	3.81e-04	3.81e-04	3.81e-04	81,87,94
	38.3	0.0	8.04e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
500	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.31e-03	-2.11e-03	-2.03e-03	83,89,96
	38.3	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
501	0.0	2.24e-03	1.36e-03	2.56e-03	83,83,96	0.0	0.0	0.0	0,0,0	9.32e-04	8.89e-04	8.72e-04	83,89,96
	38.3	2.49e-03	1.47e-03	2.85e-03	83,83,96	0.0	0.0	0.0	0,0,0				
502	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.31e-03	-2.01e-03	-1.88e-03	84,90,97
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
503	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.22e-03	-9.51e-04	-8.53e-04	84,90,97
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
504	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.18e-03	1.16e-03	1.15e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
505	0.0	0.09	0.19	0.10	83,83,96	0.0	0.0	0.0	0,0,0	1.57e-04	1.38e-04	1.31e-04	84,90,97
	30.0	0.08	0.19	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
506	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.20e-03	9.16e-04	8.09e-04	84,90,97
	39.6	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
507	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.15e-04	8.15e-04	8.15e-04	81,87,94
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
508	0.0	0.0	4.83e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.14e-03	-2.00e-03	-1.95e-03	83,89,96
	38.3	0.0	4.59e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
509	0.0	2.95e-03	1.79e-03	3.39e-03	83,83,96	0.0	0.0	0.0	0,0,0	-2.30e-03	-2.18e-03	-2.13e-03	83,89,96
	38.3	2.97e-03	1.80e-03	3.57e-03	83,83,96	0.0	0.0	0.0	0,0,0				
510	0.0	2.05e-03	1.14e-03	2.22e-03	83,83,96	0.0	0.0	0.0	0,0,0	-4.61e-03	-4.41e-03	-4.33e-03	83,89,96
	38.3	2.14e-03	1.18e-03	2.33e-03	83,83,96	0.0	0.0	0.0	0,0,0				
511	0.0	0.12	0.25	0.13	84,83,97	0.0	0.0	0.0	0,0,0	-8.07e-03	-7.08e-03	-6.68e-03	83,89,96
	39.6	0.06	0.17	0.06	84,83,97	0.0	0.0	0.0	0,0,0				
512	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.16e-03	-2.99e-03	-2.92e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
513	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.48e-03	-2.48e-03	-2.48e-03	81,87,94
	38.3	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
514	0.0	0.05	0.09	0.05	84,83,97	0.0	0.0	0.0	0,0,0	5.98e-03	5.17e-03	4.85e-03	84,90,97
	45.0	0.10	0.18	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
515	0.0	0.08	0.21	0.09	84,84,97	0.0	0.0	0.0	0,0,0	-7.22e-03	-6.27e-03	-5.88e-03	83,89,96
	45.0	0.02	0.13	0.02	84,83,97	0.0	0.0	0.0	0,0,0				
516	0.0	5.25e-03	0.02	6.88e-03	83,84,96	0.0	0.0	0.0	0,0,0	-1.04e-03	-9.67e-04	-9.38e-04	83,89,96
	24.2	3.15e-03	0.02	4.21e-03	81,84,94	0.0	0.0	0.0	0,0,0				
517	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.53e-03	-1.74e-03	-1.70e-03	83,89,96
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
518	0.0	0.09	0.26	0.09	84,84,97	0.0	0.0	0.0	0,0,0	3.65e-03	3.02e-03	2.78e-03	84,90,97
	39.6	0.05	0.21	0.05	84,83,97	0.0	0.0	0.0	0,0,0				
519	0.0	4.11e-03	0.02	5.49e-03	81,84,96	0.0	0.0	0.0	0,0,0	-1.88e-03	-1.74e-03	-1.69e-03	83,89,96
	39.7	0.0	7.57e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
520	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.59e-03	-1.54e-03	-1.52e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
521	0.0	4.32e-04	7.02e-04	5.77e-04	81,84,94	0.0	0.0	0.0	0,0,0	-1.03e-03	-8.67e-04	-8.02e-04	83,89,96
	40.0	3.99e-03	9.67e-03	4.01e-03	84,84,97	0.0	0.0	0.0	0,0,0				
522	0.0	4.45e-03	2.51e-03	5.85e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.59e-03	-1.40e-03	-1.33e-03	84,90,97
	38.3	0.01	6.52e-03	0.02	83,81,96	0.0	0.0	0.0	0,0,0				
523	0.0	0.0	4.96e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.47e-04	5.47e-04	5.47e-04	81,87,94
	31.3	0.0	5.16e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
524	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.41e-03	-2.20e-03	-2.12e-03	83,89,96
	38.3	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
525	0.0	1.72e-03	9.98e-04	1.93e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.71e-03	8.60e-04	8.44e-04	83,89,96
	38.3	1.81e-03	1.04e-03	2.04e-03	83,83,96	0.0	0.0	0.0	0,0,0				
526	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.01e-03	-2.61e-03	-2.46e-03	84,90,97
	38.3	5.87e-03	0.05	2.46e-03	84,83,97	0.0	0.0	0.0	0,0,0				
527	0.0	6.58e-04	4.01e-04	8.77e-04	81,81,94	0.0	0.0	0.0	0,0,0	-1.76e-03	-1.65e-03	-1.61e-03	83,89,96
	39.7	2.39e-03	4.28e-03	2.71e-03	83,84,96	0.0	0.0	0.0	0,0,0				
528	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.35e-04	2.35e-04	2.35e-04	81,87,94
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
529	0.0	0.12	0.29	0.14	83,83,96	0.0	0.0	0.0	0,0,0	-0.07	-0.10	-0.09	84,90,97
	87.5	0.07	0.12	0.07	84,84,97	0.0	0.0	0.0	0,0,0				
530	0.0	0.0	4.30e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.12e-03	-1.98e-03	-1.93e-03	83,89,96
	38.3	0.0	4.14e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
531	0.0	3.93e-03	2.37e-03	4.54e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.18e-03	-1.12e-03	-1.10e-03	83,89,96
	38.3	3.68e-03	2.25e-03	4.25e-03	83,83,96	0.0	0.0	0.0	0,0,0				
532	0.0	1.98e-03	1.11e-03	2.10e-03	84,84,97	0.0	0.0	0.0	0,0,0	-4.51e-03	-4.32e-03	-4.24e-03	83,89,96
	38.3	2.04e-03	1.14e-03	2.17e-03	84,84,97	0.0	0.0	0.0	0,0,0				
533	0.0	0.09	0.21	0.10	84,83,97	0.0	0.0	0.0	0,0,0	-3.35e-03	-2.93e-03	-2.77e-03	83,89,96
	39.6	0.12	0.25	0.13	84,83,97	0.0	0.0	0.0	0,0,0				
534	0.0	2.63e-03	2.08e-03	2.98e-03	83,84,96	0.0	0.0	0.0	0,0,0	-1.67e-03	-1.58e-03	-1.54e-03	83,89,96
	39.7	3.86e-03	4.28e-03	4.45e-03	83,84,96	0.0	0.0	0.0	0,0,0				
535	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.77e-03	-3.64e-03	-3.59e-03	83,89,96
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
536	0.0	0.35	0.57	0.41	83,83,96	0.17	0.18	0.17	83,89,96	-0.07	-0.10	-0.09	83,89,96
	374.8	0.12	0.30	0.13	83,83,96	0.0	0.0	0.0	0,0,0				
537	0.0	0.10	0.20	0.11	84,83,97	0.0	0.0	0.0	0,0,0	1.21e-03	1.04e-03	9.70e-04	84,90,97
	29.9	0.09	0.18	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
538	0.0	4.23e-03	2.44e-03	5.02e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.55e-03	-1.47e-03	-1.43e-03	83,89,96
	39.7	4.28e-03	2.47e-03	5.19e-03	83,83,96	0.0	0.0	0.0	0,0,0				
539	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.93e-03	-1.70e-03	-1.61e-03	84,90,97
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
540	0.0	0.05	0.20	0.05	84,83,97	0.0	0.0	0.0	0,0,0	1.84e-03	1.47e-03	1.33e-03	84,90,97
	39.6	3.79e-03	0.15	0.0	84,83,0	0.0	0.0	0.0	0,0,0				
541	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.99e-04	-9.99e-04	-9.99e-04	81,87,94
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
542	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.14e-04	-3.97e-04	-3.21e-04	84,90,97
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
543	0.0	5.40e-03	3.10e-03	5.54e-03	84,84,97	0.0	0.0	0.0	0,0,0	-9.99e-04	-8.51e-04	-7.92e-04	83,89,96
	40.0	0.01	0.02	0.01	84,84,97	0.0	0.0	0.0	0,0,0				
544	0.0	0.01	7.89e-03	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-9.89e-04	-7.94e-04	-7.24e-04	84,90,97
	38.3	0.03	0.01	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
545	0.0	0.0	8.48e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.08e-04	7.08e-04	7.08e-04	81,87,94

	45.3	0.0	8.70e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
546	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.54e-03	-2.31e-03	-2.22e-03	83,89,96
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
547	0.0	9.27e-04	1.69e-03	9.37e-04	83,83,96	0.0	0.0	0.0	0,0,0	1.64e-03	1.58e-03	8.13e-04	83,89,96
	38.3	9.74e-04	1.77e-03	9.98e-04	83,83,96	0.0	0.0	0.0	0,0,0				
548	0.0	4.91e-03	0.05	2.61e-04	84,83,97	0.0	0.0	0.0	0,0,0	-3.08e-03	-2.69e-03	-2.53e-03	84,90,97
	38.3	0.03	0.08	0.04	84,83,97	0.0	0.0	0.0	0,0,0				
549	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.19e-03	-3.12e-03	-3.09e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
550	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.43e-03	-2.32e-03	-2.28e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
551	0.0	0.0	4.18e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.09e-03	-1.96e-03	-1.91e-03	83,89,96
	38.3	0.0	4.07e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
552	0.0	2.08e-03	1.20e-03	2.36e-03	83,83,96	0.0	0.0	0.0	0,0,0	-2.19e-03	-1.09e-03	-1.07e-03	83,89,96
	38.3	1.98e-03	1.15e-03	2.24e-03	83,83,96	0.0	0.0	0.0	0,0,0				
553	0.0	2.22e-03	1.26e-03	2.42e-03	83,83,96	0.0	0.0	0.0	0,0,0	-4.42e-03	-4.23e-03	-4.16e-03	83,89,96
	38.3	2.27e-03	1.28e-03	2.46e-03	83,83,96	0.0	0.0	0.0	0,0,0				
554	0.0	0.08	0.19	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-1.14e-03	-9.99e-04	-9.41e-04	83,89,96
	39.6	0.09	0.22	0.10	84,83,97	0.0	0.0	0.0	0,0,0				
555	0.0	0.02	0.08	0.02	84,83,97	0.0	0.0	0.0	0,0,0	-8.91e-04	-8.04e-04	-7.70e-04	83,89,96
	14.8	0.02	0.08	0.02	84,83,97	0.0	0.0	0.0	0,0,0				
556	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.72e-04	-1.23e-04	-1.23e-04	84,87,94
	38.3	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
557	0.0	0.13	0.26	0.15	83,83,96	0.0	0.0	0.0	0,0,0	-1.00e-02	-9.00e-03	-8.60e-03	83,89,96
	45.0	0.06	0.15	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
558	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.08e-04	-4.96e-04	-4.54e-04	84,90,97
	14.8	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
559	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.08e-03	1.08e-03	1.08e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
560	0.0	0.01	0.13	9.62e-03	84,83,97	0.0	0.0	0.0	0,0,0	9.24e-04	7.03e-04	6.20e-04	84,90,97
	31.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
561	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.02e-04	7.02e-04	7.02e-04	81,87,94
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
562	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.47e-03	-3.26e-03	-3.18e-03	83,89,96
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
563	0.0	0.01	0.01	0.01	84,84,97	0.0	0.0	0.0	0,0,0	-5.11e-04	-4.50e-04	-4.26e-04	83,89,96
	40.0	0.02	0.02	0.02	84,84,97	0.0	0.0	0.0	0,0,0				
564	0.0	0.03	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0	1.08e-03	1.08e-03	1.08e-03	81,87,94
	38.3	0.01	8.24e-03	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
565	0.0	0.0	7.63e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.14e-04	5.14e-04	5.14e-04	81,87,94
	38.3	0.0	7.80e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
566	0.0	3.50e-04	3.69e-03	0.0	84,83,0	0.0	0.0	0.0	0,0,0	1.57e-03	1.51e-03	1.49e-03	83,89,96
	38.3	3.70e-04	3.71e-03	0.0	84,83,0	0.0	0.0	0.0	0,0,0				
567	0.0	4.47e-03	2.60e-03	5.46e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.40e-03	-1.33e-03	-1.31e-03	83,89,96
	39.7	3.17e-03	1.90e-03	4.23e-03	81,81,94	0.0	0.0	0.0	0,0,0				
568	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.17e-03	-2.17e-03	-2.17e-03	81,87,94
	38.3	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
569	0.0	0.0	3.92e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.07e-03	-1.94e-03	-1.88e-03	83,89,96
	38.3	0.0	3.85e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
570	0.0	1.90e-03	1.09e-03	2.15e-03	83,84,96	0.0	0.0	0.0	0,0,0	-2.12e-03	-2.02e-03	-1.97e-03	83,89,96
	38.3	1.86e-03	1.07e-03	2.09e-03	83,84,96	0.0	0.0	0.0	0,0,0				
571	0.0	2.45e-03	1.40e-03	2.67e-03	83,83,96	0.0	0.0	0.0	0,0,0	-4.32e-03	-4.15e-03	-4.08e-03	83,89,96
	38.3	2.48e-03	1.42e-03	2.69e-03	83,83,96	0.0	0.0	0.0	0,0,0				
572	0.0	0.09	0.21	0.11	83,83,96	0.0	0.0	0.0	0,0,0	-3.80e-03	-3.40e-03	-3.24e-03	83,89,96
	45.0	0.13	0.26	0.15	83,83,96	0.0	0.0	0.0	0,0,0				
573	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.03e-03	-2.87e-03	-2.81e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
574	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.75e-04	-1.63e-04	-1.23e-04	84,90,97
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
575	0.0	0.21	0.32	0.28	82,84,95	0.09	0.09	0.09	84,93,97	-0.29	-0.29	-0.29	83,89,96
	459.0	0.14	0.20	0.18	82,82,95	0.0	0.0	0.0	0,0,0				
	918.0	0.28	0.41	0.37	83,83,96	0.12	0.13	0.13	83,89,96				
576	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.46e-03	-1.42e-03	-1.41e-03	83,89,96
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
577	0.0	0.01	5.80e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	1.34e-03	1.34e-03	1.34e-03	81,87,94
	38.3	6.80e-03	4.12e-03	8.70e-03	83,83,96	0.0	0.0	0.0	0,0,0				
578	0.0	0.0	7.30e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.31e-04	4.31e-04	4.31e-04	81,87,94
	38.3	0.0	7.42e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
579	0.0	7.17e-04	2.96e-03	3.81e-04	84,85,97	0.0	0.0	0.0	0,0,0	1.50e-03	1.45e-03	1.43e-03	83,89,96
	38.3	7.24e-04	2.98e-03	3.99e-04	84,81,97	0.0	0.0	0.0	0,0,0				
580	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.43e-04	-8.43e-04	-8.43e-04	81,87,94
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
581	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.65e-03	-3.53e-03	-3.49e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
582	0.0	0.0	3.80e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.04e-03	-1.91e-03	-1.86e-03	83,89,96
	38.3	0.0	3.74e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
583	0.0	1.71e-03	9.72e-04	1.91e-03	84,84,97	0.0	0.0	0.0	0,0,0	-2.04e-03	-1.95e-03	-1.91e-03	83,89,96
	38.3	1.68e-03	9.58e-04	1.88e-03	84,84,97	0.0	0.0	0.0	0,0,0				
584	0.0	2.59e-03	1.50e-03	2.82e-03	83,83,96	0.0	0.0	0.0	0,0,0	-4.23e-03	-4.07e-03	-4.00e-03	83,89,96
	38.3	2.61e-03	1.51e-03	2.84e-03	83,83,96	0.0	0.0	0.0	0,0,0				
585	0.0	0.08	0.19	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-9.56e-04	-8.58e-04	-8.19e-04	83,89,96
	30.1	0.09	0.21	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
586	0.0	0.07	0.09	0.09	81,82,94	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	81,87,94
	175.0	0.02	0.02	0.02	81,81,94	0.0	0.0	0.0	0,0,0				
	350.0	0.08	0.11	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
587	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.28e-03	-2.04e-03	-1.94e-03	84,90,97
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
588	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.99e-03	-2.94e-03	-2.92e-03	83,89,96
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
589	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.71e-04	-5.41e-04	-4.60e-04	84,90,97
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
590	0.0	1.60e-03	8.93e-04	1.57e-03	84,84,97	0.0	0.0	0.0	0,0,0	1.31e-03	1.31e-03	1.31e-03	81,87,94
	38.3	0.01	0.02	0.02	83,81,96	0.0	0.0	0.0	0,0,0				
591	0.0	0.0	7.19e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	3.44e-04	3.44e-04	3.44e-04	81,87,94
	38.3	0.0	7.30e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
592	0.0	0.0	7.28e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.42e-03	1.38e-03	1.36e-03	83,89,96
	38.3	0.0	7.30e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
593	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.75e-04	5.75e-04	5.75e-04	81,87,94
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
594	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.02e-03	-1.95e-03	-1.93e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				

595	0.0	0.0	3.80e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.01e-03	-1.88e-03	-1.83e-03	83,89,96
	38.3	0.0	3.75e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
596	0.0	1.49e-03	8.26e-04	1.63e-03	84,84,97	0.0	0.0	0.0	0,0,0	-1.96e-03	-1.88e-03	-1.84e-03	83,89,96
	38.3	1.45e-03	8.10e-04	1.59e-03	84,84,97	0.0	0.0	0.0	0,0,0				
597	0.0	2.68e-03	1.55e-03	2.90e-03	83,83,96	0.0	0.0	0.0	0,0,0	-4.14e-03	-3.99e-03	-3.92e-03	83,89,96
	38.3	2.69e-03	1.56e-03	2.91e-03	83,83,96	0.0	0.0	0.0	0,0,0				
598	0.0	0.27	0.41	0.36	83,83,96	0.12	0.12	0.12	83,89,96	-0.29	-0.28	-0.29	83,89,96
	459.0	0.14	0.20	0.18	82,82,95	0.0	0.0	0.0	0,0,0				
	918.0	0.22	0.32	0.29	84,84,97	0.09	0.09	0.09	84,93,97				
599	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.00e-03	1.00e-03	1.00e-03	81,87,94
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
600	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.87e-03	-2.73e-03	-2.67e-03	83,89,96
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
601	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.37e-03	-3.18e-03	-3.10e-03	83,89,96
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
602	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.43e-04	6.43e-04	6.43e-04	81,87,94
	38.3	0.02	0.07	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
603	0.0	0.0	6.76e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.54e-04	2.54e-04	2.54e-04	81,87,94
	38.3	0.0	6.92e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
604	0.0	0.0	6.08e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.35e-03	1.31e-03	1.30e-03	83,89,96
	38.3	0.0	6.10e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
605	0.0	0.0	5.20e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-3.76e-03	-1.86e-03	-1.81e-03	83,89,96
	38.3	0.0	5.15e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
606	0.0	1.34e-03	6.64e-04	1.47e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.88e-03	-1.80e-03	-1.77e-03	83,89,96
	38.3	1.26e-03	6.34e-04	1.37e-03	83,84,96	0.0	0.0	0.0	0,0,0				
607	0.0	1.90e-03	1.08e-03	1.98e-03	84,84,97	0.0	0.0	0.0	0,0,0	-4.06e-03	-3.91e-03	-3.85e-03	83,89,96
	38.3	1.90e-03	1.08e-03	1.97e-03	84,84,97	0.0	0.0	0.0	0,0,0				
608	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.57e-04	-6.57e-04	-6.57e-04	81,87,94
	38.3	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
609	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.31e-03	-1.29e-03	-1.28e-03	83,89,96
	38.3	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
610	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.54e-03	-1.31e-03	-1.22e-03	84,90,97
	38.3	0.0	0.08	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
611	0.0	0.0	8.92e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.67e-04	1.02e-04	1.02e-04	84,87,94
	21.8	0.0	8.90e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
612	0.0	1.14e-03	5.99e-04	1.22e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.27e-03	1.25e-03	1.24e-03	83,89,96
	38.3	1.16e-03	6.08e-04	1.25e-03	83,83,96	0.0	0.0	0.0	0,0,0				
613	0.0	0.0	6.83e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.70e-03	-1.83e-03	-1.78e-03	83,89,96
	38.3	0.0	6.77e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
614	0.0	1.24e-03	2.85e-03	1.28e-03	84,83,97	0.0	0.0	0.0	0,0,0	-1.79e-03	-1.72e-03	-1.70e-03	83,89,96
	38.3	1.14e-03	2.70e-03	1.16e-03	84,83,97	0.0	0.0	0.0	0,0,0				
615	0.0	2.86e-03	1.68e-03	3.02e-03	84,84,97	0.0	0.0	0.0	0,0,0	-3.97e-03	-3.83e-03	-3.77e-03	83,89,96
	38.3	2.85e-03	1.67e-03	3.00e-03	84,84,97	0.0	0.0	0.0	0,0,0				
616	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.76e-03	-2.73e-03	-2.72e-03	83,89,96
	38.3	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
617	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.51e-03	-3.41e-03	-3.37e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
618	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.99e-03	-1.78e-03	-1.69e-03	84,90,97
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
619	0.0	1.21e-03	4.79e-03	1.57e-03	84,83,97	0.0	0.0	0.0	0,0,0	-5.73e-04	-2.88e-04	-1.91e-04	84,90,97
	54.8	1.22e-03	4.82e-03	1.61e-03	84,83,97	0.0	0.0	0.0	0,0,0				
620	0.0	3.49e-03	2.08e-03	4.03e-03	83,83,96	0.0	0.0	0.0	0,0,0	1.20e-03	1.18e-03	1.17e-03	83,89,96
	38.3	3.51e-03	2.08e-03	4.05e-03	83,83,96	0.0	0.0	0.0	0,0,0				
621	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.64e-03	-1.80e-03	-1.75e-03	83,89,96
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
622	0.0	1.51e-03	2.14e-03	1.61e-03	83,81,96	0.0	0.0	0.0	0,0,0	-1.70e-03	-1.64e-03	-1.62e-03	83,89,96
	38.3	1.38e-03	1.97e-03	1.45e-03	83,81,96	0.0	0.0	0.0	0,0,0				
623	0.0	1.92e-03	1.08e-03	1.94e-03	84,84,97	0.0	0.0	0.0	0,0,0	-3.88e-03	-3.75e-03	-3.69e-03	83,89,96
	38.3	1.89e-03	1.07e-03	1.90e-03	84,84,97	0.0	0.0	0.0	0,0,0				
624	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.17e-03	-1.95e-03	-1.86e-03	83,89,96
	38.3	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
625	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.31e-04	-3.23e-04	-2.51e-04	84,90,97
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
626	0.0	9.36e-04	2.88e-03	7.70e-04	84,81,97	0.0	0.0	0.0	0,0,0	1.12e-03	1.11e-03	1.10e-03	83,89,96
	38.3	9.60e-04	2.91e-03	8.06e-04	84,81,97	0.0	0.0	0.0	0,0,0				
627	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.57e-03	-3.36e-03	-1.72e-03	83,89,96
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
628	0.0	1.15e-03	4.63e-03	9.66e-04	84,83,97	0.0	0.0	0.0	0,0,0	-1.60e-03	-1.55e-03	-1.53e-03	83,89,96
	38.3	9.74e-04	4.40e-03	7.09e-04	84,83,97	0.0	0.0	0.0	0,0,0				
629	0.0	2.70e-03	1.56e-03	2.89e-03	83,84,96	0.0	0.0	0.0	0,0,0	-3.79e-03	-3.66e-03	-3.61e-03	83,89,96
	38.3	2.66e-03	1.54e-03	2.84e-03	84,84,97	0.0	0.0	0.0	0,0,0				
630	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.30e-03	-2.07e-03	-1.97e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
631	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.41e-04	-4.26e-04	-3.50e-04	84,90,97
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
632	0.0	2.87e-04	4.29e-03	0.0	84,83,0	0.0	0.0	0.0	0,0,0	1.04e-03	1.04e-03	1.04e-03	83,89,96
	38.3	3.19e-04	4.32e-03	0.0	84,83,0	0.0	0.0	0.0	0,0,0				
633	0.0	6.34e-04	3.77e-03	0.0	84,81,0	0.0	0.0	0.0	0,0,0	-3.50e-03	-3.30e-03	-3.22e-03	83,89,96
	38.3	5.13e-04	3.62e-03	0.0	84,81,0	0.0	0.0	0.0	0,0,0				
634	0.0	0.0	7.93e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.49e-03	-1.45e-03	-1.44e-03	83,89,96
	38.3	0.0	7.64e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
635	0.0	2.41e-03	1.37e-03	2.54e-03	84,84,97	0.0	0.0	0.0	0,0,0	-3.69e-03	-3.57e-03	-3.52e-03	83,89,96
	38.3	2.35e-03	1.35e-03	2.47e-03	84,84,97	0.0	0.0	0.0	0,0,0				
636	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.49e-03	-2.23e-03	-2.13e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
637	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.50e-04	-5.28e-04	-4.49e-04	84,90,97
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
638	0.0	0.0	7.33e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	9.69e-04	9.69e-04	9.69e-04	81,87,94
	38.3	0.0	7.33e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
639	0.0	0.0	6.57e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.42e-03	-3.23e-03	-3.15e-03	83,89,96
	38.3	0.0	6.37e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
640	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.37e-03	-1.34e-03	-1.33e-03	83,89,96
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
641	0.0	2.29e-03	1.29e-03	2.41e-03	84,84,97	0.0	0.0	0.0	0,0,0	-3.59e-03	-3.48e-03	-3.43e-03	83,89,96
	38.3	2.22e-03	1.26e-03	2.32e-03	84,84,97	0.0	0.0	0.0	0,0,0				
642	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.94e-03	-2.62e-03	-2.50e-03	83,89,96
	38.3	0.02	0.07	0.02	84,83,97	0.0	0.0	0.0	0,0,0				
643	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.89e-04	-6.59e-04	-5.76e-04	84,90,97
	38.3	0.01	0.03	0.02	81,83,94	0.0	0.0	0.0	0,0,0				
644	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	9.05e-04	9.05e-04	9.05e-04	81,87,94
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				

645	0.0	0.0	9.41e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.34e-03	-3.15e-03	-3.08e-03	83,89,96
	38.3	0.0	9.14e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
646	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.24e-03	-1.22e-03	-1.22e-03	83,89,96
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
647	0.0	0.0	8.00e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-3.48e-03	-3.38e-03	-3.34e-03	83,89,96
	38.3	0.0	7.82e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
648	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.69e-04	-4.36e-04	-4.19e-04	83,89,96
	14.8	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
649	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.44e-04	-1.97e-04	-1.80e-04	84,90,97
	14.8	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
650	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.42e-04	4.42e-04	4.42e-04	81,87,94
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
651	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.25e-03	-3.07e-03	-2.99e-03	83,89,96
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
652	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.09e-03	-1.09e-03	-1.09e-03	83,89,96
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
653	0.0	1.59e-03	5.74e-03	1.18e-03	84,81,97	0.0	0.0	0.0	0,0,0	-3.37e-03	-3.27e-03	-3.23e-03	83,89,96
	38.3	1.39e-03	5.52e-03	9.00e-04	84,81,97	0.0	0.0	0.0	0,0,0				
654	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.11e-04	4.11e-04	4.11e-04	81,87,94
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
655	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.14e-03	-2.97e-03	-2.90e-03	83,89,96
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
656	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.51e-04	-9.51e-04	-9.51e-04	81,87,94
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
657	0.0	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-3.24e-03	-3.16e-03	-3.12e-03	83,89,96
	38.3	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
658	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	3.87e-04	3.87e-04	3.87e-04	81,87,94
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
659	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.01e-03	-2.85e-03	-2.79e-03	83,89,96
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
660	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.95e-04	-7.95e-04	-7.95e-04	81,87,94
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
661	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.10e-03	-3.03e-03	-3.00e-03	83,89,96
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
662	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.08e-04	7.08e-04	7.08e-04	81,87,94
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
663	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.86e-03	-2.71e-03	-2.65e-03	83,89,96
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
664	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.07e-04	-6.07e-04	-6.07e-04	81,87,94
	38.3	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
665	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.93e-03	-2.87e-03	-2.85e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
666	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.08e-04	7.08e-04	7.08e-04	81,87,94
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
667	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.61e-03	-2.50e-03	-2.45e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
668	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.46e-04	-3.46e-04	-3.46e-04	81,87,94
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
669	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.66e-03	-2.64e-03	-2.63e-03	83,89,96
	38.3	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
670	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.35e-04	6.35e-04	6.35e-04	81,87,94
	38.3	0.0	0.10	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
671	0.0	0.02	0.05	0.02	84,83,97	0.0	0.0	0.0	0,0,0	-2.12e-03	-2.07e-03	-2.05e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
672	0.0	4.01e-03	0.08	0.0	84,83,0	0.0	0.0	0.0	0,0,0	5.75e-04	3.90e-04	3.22e-04	84,90,97
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
673	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.15e-03	-2.15e-03	-2.15e-03	81,87,94
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
674	0.0	1.93e-03	0.01	2.58e-03	81,83,94	0.0	0.0	0.0	0,0,0	2.64e-03	2.54e-03	2.45e-03	83,89,96
	25.8	3.61e-03	0.02	4.07e-03	84,84,97	0.0	0.0	0.0	0,0,0				
675	0.0	0.03	0.08	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-1.06e-03	-1.03e-03	-1.01e-03	83,89,96
	39.7	0.02	0.06	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
676	0.0	0.0	0.02	0.0	0,84,0	0.0	0.0	0.0	0,0,0	5.60e-03	5.12e-03	4.99e-03	83,89,96
	39.7	6.62e-03	0.03	7.78e-03	84,84,97	0.0	0.0	0.0	0,0,0				
677	0.0	0.02	0.06	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-1.57e-03	-1.48e-03	-1.45e-03	83,89,96
	39.7	7.37e-03	0.05	8.11e-03	83,83,96	0.0	0.0	0.0	0,0,0				
678	0.0	0.0	0.03	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-5.05e-03	-4.67e-03	-4.52e-03	83,89,96
	39.7	6.45e-03	0.04	7.71e-03	83,84,96	0.0	0.0	0.0	0,0,0				
679	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.87e-03	-1.76e-03	-1.71e-03	83,89,96
	39.7	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
680	0.0	2.16e-03	0.04	2.20e-03	84,84,97	0.0	0.0	0.0	0,0,0	-4.88e-03	-4.52e-03	-4.38e-03	83,89,96
	39.7	3.97e-03	0.04	4.86e-03	83,83,96	0.0	0.0	0.0	0,0,0				
681	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.05e-03	-1.92e-03	-1.87e-03	83,89,96
	39.7	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
682	0.0	2.06e-03	0.04	2.08e-03	84,83,97	0.0	0.0	0.0	0,0,0	-4.83e-03	-4.48e-03	-4.35e-03	83,89,96
	39.7	7.00e-04	0.04	9.34e-04	81,83,94	0.0	0.0	0.0	0,0,0				
683	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.20e-03	-2.05e-03	-2.00e-03	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
684	0.0	5.66e-04	0.04	2.54e-04	84,83,97	0.0	0.0	0.0	0,0,0	5.01e-03	4.68e-03	4.55e-03	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
685	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.33e-03	-2.18e-03	-2.12e-03	83,89,96
	39.7	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
686	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.01e-03	5.71e-03	5.59e-03	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
687	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.56e-03	-2.40e-03	-2.33e-03	83,89,96
	39.7	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
688	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.88e-03	1.75e-03	1.70e-03	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
689	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.21e-03	-1.13e-03	-1.10e-03	83,89,96
	39.7	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
690	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.89e-03	1.76e-03	1.71e-03	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
691	0.0	0.0	9.17e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.15e-03	-2.00e-03	-1.94e-03	83,89,96
	39.7	0.0	9.51e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
692	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.02e-03	1.78e-03	1.72e-03	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
693	0.0	0.0	6.34e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.19e-03	-2.04e-03	-1.98e-03	83,89,96
	39.7	1.11e-03	9.41e-03	7.17e-04	84,81,97	0.0	0.0	0.0	0,0,0				
694	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.93e-03	5.83e-03	5.45e-03	83,89,96
	39.7	1.12e-04	0.03	1.50e-04	81,83,94	0.0	0.0	0.0	0,0,0				
695	0.0	0.18	0.28	0.24	82,82,95	0.0	0.0	0.0	0,0,0	-0.32	-0.32	-0.32	84,93,97

	459.0	0.14	0.22	0.19	83,83,96	0.0	0.0	0.0	0,0,0				
	918.0	0.29	0.45	0.39	83,83,96	0.13	0.15	0.15	83,89,96				
696	0.0	0.06	0.08	0.07	82,81,95	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	83,89,96
	175.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
	350.0	0.09	0.13	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
697	0.0	0.28	0.44	0.38	83,83,96	0.13	0.14	0.14	83,89,96	-0.32	-0.32	-0.32	83,89,96
	459.0	0.14	0.22	0.19	83,83,96	0.0	0.0	0.0	0,0,0				
	918.0	0.19	0.30	0.25	82,82,95	0.0	0.0	0.0	0,0,0				
698	0.0	8.67e-04	2.05e-03	1.00e-03	83,83,96	0.0	0.0	0.0	0,0,0	-3.82e-03	-3.41e-03	-3.24e-03	83,89,96
	39.3	1.44e-03	4.01e-03	1.85e-03	84,84,97	0.0	0.0	0.0	0,0,0				
699	0.0	2.79e-03	8.32e-03	3.35e-03	84,84,97	0.0	0.0	0.0	0,0,0	-1.08e-03	-9.56e-04	-9.09e-04	84,90,97
	38.3	9.19e-04	6.04e-03	9.54e-04	84,83,97	0.0	0.0	0.0	0,0,0				
700	0.0	6.29e-04	3.32e-03	7.90e-04	83,83,96	0.0	0.0	0.0	0,0,0	-4.39e-03	-4.06e-03	-3.92e-03	83,89,96
	39.3	0.0	2.09e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
701	0.0	5.06e-03	2.75e-03	5.69e-03	83,83,96	0.0	0.0	0.0	0,0,0	-5.04e-04	-4.10e-04	-3.72e-04	83,89,96
	38.3	0.03	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
702	0.0	0.02	0.02	0.02	84,84,97	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	78.5	0.06	0.12	0.07	84,84,97	0.0	0.0	0.0	0,0,0				
703	0.0	0.07	0.12	0.08	83,83,96	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04	83,89,96
	111.3	3.93e-03	0.03	4.94e-03	82,83,95	0.0	0.0	0.0	0,0,0				
	222.5	0.09	0.16	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
704	0.0	0.06	0.12	0.07	83,83,96	0.0	0.0	0.0	0,0,0	3.62e-04	3.62e-04	3.62e-04	81,87,94
	50.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
705	0.0	0.05	0.13	0.05	84,83,97	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03	83,89,96
	111.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
	222.5	0.02	0.09	0.01	84,83,97	0.0	0.0	0.0	0,0,0				
706	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.27e-03	-1.16e-03	-1.12e-03	83,89,96
	40.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
707	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.91e-04	-3.43e-04	-2.93e-04	84,90,97
	50.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
708	0.0	2.45e-04	0.02	3.27e-04	81,83,94	0.0	0.0	0.0	0,0,0	-1.18e-03	-1.04e-03	-9.79e-04	83,89,96
	40.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
709	0.0	0.04	0.03	0.05	83,83,96	0.0	0.0	0.0	0,0,0	1.76e-03	1.76e-03	1.76e-03	81,87,94
	38.3	8.56e-03	5.27e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
710	0.0	0.03	0.03	0.03	84,84,97	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03	84,90,97
	78.5	0.08	0.16	0.08	84,84,97	0.0	0.0	0.0	0,0,0				
711	0.0	0.05	0.03	0.05	84,84,97	0.0	0.0	0.0	0,0,0	-0.14	-0.12	-0.10	84,90,97
	87.5	0.12	0.21	0.13	83,84,96	0.0	0.0	0.0	0,0,0				
712	0.0	0.06	0.15	0.06	84,84,97	0.0	0.0	0.0	0,0,0	9.45e-04	8.53e-04	8.21e-04	84,90,97
	39.6	0.07	0.17	0.07	84,84,97	0.0	0.0	0.0	0,0,0				
713	0.0	0.06	0.31	0.06	84,83,97	0.0	0.0	0.0	0,0,0	9.36e-03	8.35e-03	7.94e-03	84,90,97
	39.6	0.13	0.40	0.14	84,83,97	0.0	0.0	0.0	0,0,0				
714	0.0	5.57e-03	3.25e-03	6.85e-03	83,83,96	0.0	0.0	0.0	0,0,0	-3.80e-03	-3.38e-03	-3.21e-03	83,89,96
	40.2	9.84e-03	8.24e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
715	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.20e-03	-5.65e-03	-5.43e-03	83,89,96
	54.5	0.0	0.16	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
716	0.0	4.40e-03	4.57e-03	5.26e-03	84,84,97	0.0	0.0	0.0	0,0,0	-4.61e-03	-4.26e-03	-4.12e-03	83,89,96
	40.2	0.01	0.02	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
717	0.0	0.0	0.16	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.55e-03	-1.55e-03	-1.55e-03	83,89,96
	54.5	0.0	0.15	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
718	0.0	0.06	0.12	0.07	84,84,97	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	120.5	0.07	0.15	0.08	84,84,97	0.0	0.0	0.0	0,0,0				
	241.0	0.05	0.07	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
719	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.93e-03	-2.33e-03	-2.11e-03	84,90,97
	120.0	0.01	0.06	0.01	84,83,97	0.0	0.0	0.0	0,0,0				
720	0.0	0.0	2.60e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.81e-03	-1.67e-03	-1.62e-03	83,89,96
	40.0	3.45e-03	7.46e-03	4.44e-03	83,83,96	0.0	0.0	0.0	0,0,0				
721	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.15e-03	-9.86e-04	-9.25e-04	84,90,97
	40.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
722	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.92e-03	-1.76e-03	-1.69e-03	83,89,96
	40.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
723	0.0	0.08	0.25	0.08	84,83,97	0.0	0.0	0.0	0,0,0	-3.86e-03	-3.66e-03	-3.58e-03	83,89,96
	54.5	0.03	0.18	4.85e-05	84,83,97	0.0	0.0	0.0	0,0,0				
724	0.0	0.08	0.16	0.08	84,84,97	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03	84,90,97
	119.0	0.06	0.12	0.06	84,84,97	0.0	0.0	0.0	0,0,0				
725	0.0	0.09	0.27	0.11	84,83,97	0.0	0.0	0.0	0,0,0	-2.85e-03	-2.52e-03	-2.38e-03	83,89,96
	29.9	0.09	0.27	0.10	84,83,97	0.0	0.0	0.0	0,0,0				
726	0.0	0.03	0.03	0.03	84,84,97	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	83,89,96
	100.1	0.25	0.33	0.30	83,83,96	0.0	0.0	0.0	0,0,0				
727	0.0	0.11	0.28	0.12	84,83,97	0.0	0.0	0.0	0,0,0	-5.46e-03	-4.94e-03	-4.74e-03	83,89,96
	47.9	0.12	0.30	0.14	84,83,97	0.0	0.0	0.0	0,0,0				
728	0.0	2.05e-03	1.19e-03	2.60e-03	84,84,97	0.0	0.0	0.0	0,0,0	-3.81e-03	-3.39e-03	-3.23e-03	83,89,96
	39.3	4.87e-03	5.91e-03	6.04e-03	83,83,96	0.0	0.0	0.0	0,0,0				
729	0.0	2.47e-03	0.08	0.0	84,83,0	0.0	0.0	0.0	0,0,0	-1.05e-03	-9.52e-04	-9.14e-04	83,89,96
	23.5	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
730	0.0	6.98e-04	4.18e-04	7.73e-04	84,84,97	0.0	0.0	0.0	0,0,0	-4.52e-03	-4.18e-03	-4.04e-03	83,89,96
	39.3	4.12e-03	6.34e-03	4.90e-03	84,84,97	0.0	0.0	0.0	0,0,0				
731	0.0	0.03	0.01	0.03	83,83,96	0.0	0.0	0.0	0,0,0	1.21e-03	1.17e-03	1.15e-03	83,89,96
	38.3	0.01	7.21e-03	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
732	0.0	0.0	8.08e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.81e-03	-1.67e-03	-1.61e-03	83,89,96
	40.0	0.0	6.26e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
733	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.65e-03	-1.49e-03	-1.43e-03	83,89,96
	40.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
734	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.59e-04	-8.19e-04	-7.61e-04	84,90,97
	23.5	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
735	0.0	0.12	0.20	0.13	83,84,96	0.0	0.0	0.0	0,0,0	-0.14	-0.12	-0.10	84,90,97
	374.8	0.22	0.27	0.26	83,83,96	0.0	0.0	0.0	0,0,0				
736	0.0	0.06	0.13	0.06	84,84,97	0.0	0.0	0.0	0,0,0	-2.05e-03	-1.76e-03	-1.64e-03	83,89,96
	31.3	0.06	0.14	0.06	84,84,97	0.0	0.0	0.0	0,0,0				
737	0.0	0.15	0.31	0.17	83,83,96	0.0	0.0	0.0	0,0,0	3.98e-03	3.53e-03	3.35e-03	84,90,97
	39.6	0.13	0.28	0.14	83,83,96	0.0	0.0	0.0	0,0,0				
738	0.0	0.01	6.84e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-1.94e-03	-1.63e-03	-1.51e-03	83,89,96
	39.7	0.01	6.68e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
739	0.0	0.03	0.08	0.03	84,81,97	0.0	0.0	0.0	0,0,0	-2.22e-03	-2.06e-03	-2.00e-03	83,89,96
	38.3	0.02	0.07	9.02e-03	84,81,97	0.0	0.0	0.0	0,0,0				
740	0.0	7.53e-03	4.36e-03	9.62e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.54e-03	-1.33e-03	-1.25e-03	83,89,96
	53.5	5.70e-03	3.42e-03	6.90e-03	83,83,96	0.0	0.0	0.0	0,0,0				
741	0.0	0.0	0.16	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.26e-03	1.05e-03	9.74e-04	84,90,97
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
742	0.0	0.05	0.07	0.06	83,83,96	0.0	0.0	0.0	0,0,0	3.62e-03	3.25e-03	3.11e-03	84,90,97
	53.5	0.07	0.11	0.09	83,83,96	0.0	0.0	0.0	0,0,0				

743	0.0	0.01	0.06	0.02	84,83,97	0.0	0.0	0.0	0,0,0	-3.77e-03	-3.32e-03	-3.14e-03	84,90,97
	50.0	0.03	0.09	0.04	84,83,97	0.0	0.0	0.0	0,0,0				
744	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.67e-03	-2.37e-03	-2.26e-03	84,90,97
	50.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
745	0.0	0.01	0.15	0.0	84,83,0	0.0	0.0	0.0	0,0,0	5.83e-04	3.67e-04	2.88e-04	84,90,97
	38.3	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
746	0.0	3.62e-03	2.17e-03	4.49e-03	84,84,94	0.0	0.0	0.0	0,0,0	-8.69e-04	-7.70e-04	-3.39e-04	83,89,96
	38.0	3.96e-03	2.35e-03	5.29e-03	81,81,94	0.0	0.0	0.0	0,0,0				
747	0.0	0.07	0.12	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	84,90,97
	214.6	0.10	0.20	0.11	84,84,97	0.0	0.0	0.0	0,0,0				
748	0.0	0.13	0.27	0.15	83,83,96	0.0	0.0	0.0	0,0,0	8.19e-04	7.44e-04	7.14e-04	84,90,97
	60.1	0.10	0.24	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
749	0.0	0.02	0.02	0.02	84,81,97	0.0	0.0	0.0	0,0,0	-0.06	-0.06	-0.05	83,89,96
	374.8	0.16	0.22	0.18	84,83,97	0.0	0.0	0.0	0,0,0				
750	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.26e-03	-1.11e-03	-1.06e-03	84,90,97
	38.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
751	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.72e-03	-1.58e-03	-1.53e-03	83,89,96
	40.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
752	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.59e-03	-1.43e-03	-1.36e-03	83,89,96
	40.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
753	0.0	2.74e-03	1.62e-03	3.65e-03	81,81,94	0.0	0.0	0.0	0,0,0	1.52e-03	1.52e-03	1.52e-03	81,87,94
	38.3	4.33e-03	2.35e-03	5.54e-03	83,83,96	0.0	0.0	0.0	0,0,0				
754	0.0	0.07	0.17	0.07	84,84,97	0.0	0.0	0.0	0,0,0	-1.71e-03	-1.44e-03	-1.34e-03	83,89,96
	47.9	0.05	0.15	0.06	83,84,96	0.0	0.0	0.0	0,0,0				
755	0.0	0.01	6.24e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-2.31e-03	-1.97e-03	-1.84e-03	83,89,96
	40.2	0.01	6.81e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
756	0.0	0.0	0.20	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.01e-03	-5.42e-03	-5.19e-03	83,89,96
	40.2	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
757	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.01e-03	-1.01e-03	-1.01e-03	81,87,94
	40.2	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
758	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.38e-03	-1.20e-03	-1.13e-03	84,90,97
	40.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
759	0.0	0.0	0.17	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	84,90,97
	120.5	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
760	0.0	0.03	0.04	0.03	84,84,97	0.0	0.0	0.0	0,0,0	-1.69e-03	-1.14e-03	-9.19e-04	84,90,97
	40.0	0.02	0.02	0.02	84,84,97	0.0	0.0	0.0	0,0,0				
761	0.0	0.16	0.21	0.18	84,84,97	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	84,90,97
	100.1	0.07	0.12	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
762	0.0	0.08	0.18	0.10	83,83,96	0.0	0.0	0.0	0,0,0	9.91e-03	9.16e-03	8.86e-03	83,89,96
	45.0	0.15	0.28	0.17	83,83,96	0.0	0.0	0.0	0,0,0				
763	0.0	0.21	0.29	0.24	84,83,97	0.0	0.0	0.0	0,0,0	-0.06	-0.06	-0.05	83,89,96
	87.5	0.02	0.02	0.02	84,83,97	0.0	0.0	0.0	0,0,0				
764	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.19e-03	-1.11e-03	-1.07e-03	83,89,96
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
765	0.0	0.01	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	1.94e-03	1.84e-03	1.80e-03	83,89,96
	38.3	4.27e-03	6.73e-03	5.10e-03	83,83,96	0.0	0.0	0.0	0,0,0				
766	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.82e-03	-1.56e-03	-1.46e-03	84,90,97
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
767	0.0	0.05	0.21	0.07	83,83,96	0.0	0.0	0.0	0,0,0	9.18e-03	8.50e-03	8.23e-03	83,89,96
	45.0	0.12	0.31	0.15	83,83,96	0.0	0.0	0.0	0,0,0				
768	0.0	0.15	0.17	0.15	84,84,97	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	84,90,97
	374.9	0.03	0.02	0.03	84,84,97	0.0	0.0	0.0	0,0,0				
769	0.0	0.13	0.29	0.14	83,83,96	0.0	0.0	0.0	0,0,0	7.71e-04	6.54e-04	6.10e-04	84,90,97
	39.6	0.11	0.27	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
770	0.0	0.04	0.27	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-6.42e-03	-5.87e-03	-5.65e-03	83,89,96
	43.8	0.05	0.28	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
771	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.70e-03	-4.39e-03	-4.26e-03	83,89,96
	38.3	0.01	0.03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
772	0.0	0.03	0.36	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-7.89e-03	-7.21e-03	-6.94e-03	83,89,96
	43.8	0.07	0.39	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
773	0.0	0.03	0.01	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-1.55e-04	-1.54e-04	-1.53e-04	82,91,95
	38.3	9.43e-03	5.34e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
774	0.0	0.03	0.09	0.03	83,83,96	0.0	0.0	0.0	0,0,0	6.55e-04	5.67e-04	5.39e-04	84,90,97
	25.8	0.03	0.09	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
775	0.0	0.0	6.32e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.33e-03	-5.99e-03	-5.85e-03	83,89,96
	38.3	0.05	0.08	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
776	0.0	0.05	0.10	0.06	84,84,97	0.0	0.0	0.0	0,0,0	0.02	0.01	0.01	84,90,97
	198.0	0.17	0.24	0.18	84,84,97	0.0	0.0	0.0	0,0,0				
777	0.0	0.10	0.21	0.11	84,83,97	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	83,89,96
	160.3	0.24	0.37	0.28	83,83,96	0.0	0.0	0.0	0,0,0				
778	0.0	0.01	7.84e-03	0.01	84,84,97	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	83,89,96
	87.5	0.23	0.32	0.26	83,83,96	0.0	0.0	0.0	0,0,0				
779	0.0	0.12	0.29	0.14	83,83,96	0.0	0.0	0.0	0,0,0	-3.22e-03	-3.01e-03	-2.93e-03	83,89,96
	29.9	0.13	0.31	0.16	83,83,96	0.0	0.0	0.0	0,0,0				
780	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.61e-03	-1.48e-03	-1.43e-03	83,89,96
	40.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
781	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.48e-03	-1.32e-03	-1.25e-03	83,89,96
	40.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
782	0.0	9.98e-03	5.86e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-2.56e-03	-2.22e-03	-2.09e-03	83,89,96
	40.2	0.01	6.14e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
783	0.0	0.01	6.74e-03	0.01	84,84,97	0.0	0.0	0.0	0,0,0	-5.94e-03	-5.29e-03	-5.03e-03	83,89,96
	40.2	0.04	0.03	0.04	84,83,97	0.0	0.0	0.0	0,0,0				
784	0.0	0.0	0.15	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.62e-03	-1.62e-03	-1.62e-03	81,87,94
	40.2	0.0	0.14	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
785	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.28e-03	-1.11e-03	-1.05e-03	84,90,97
	40.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
786	0.0	2.38e-03	0.23	0.0	84,83,0	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	84,90,97
	120.5	0.0	0.17	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
787	0.0	0.10	0.25	0.11	84,84,97	0.0	0.0	0.0	0,0,0	-8.34e-03	-7.39e-03	-7.01e-03	83,89,96
	45.0	0.04	0.16	0.04	84,84,97	0.0	0.0	0.0	0,0,0				
788	0.0	0.12	0.31	0.14	84,83,97	0.0	0.0	0.0	0,0,0	-9.58e-03	-8.64e-03	-8.26e-03	83,89,96
	39.6	0.06	0.22	0.06	84,83,97	0.0	0.0	0.0	0,0,0				
789	0.0	0.09	0.20	0.09	84,84,97	0.0	0.0	0.0	0,0,0	-9.22e-03	-7.88e-03	-7.36e-03	84,90,97
	39.6	0.04	0.13	0.04	84,84,97	0.0	0.0	0.0	0,0,0				
790	0.0	0.01	6.47e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-1.64e-03	-1.36e-03	-1.24e-03	83,89,96
	39.7	0.01	6.18e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
791	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.53e-03	-4.23e-03	-4.10e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
792	0.0	1.03e-04	6.64e-03	1.38e-04	81,84,94	0.0	0.0	0.0	0,0,0	-4.40e-04	-3.81e-04	-3.58e-04	83,89,96
	25.8	0.0	9.54e-03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
793	0.0	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-1.73e-03	-1.66e-03	-1.63e-03	83,89,96

	38.3	0.02	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
794	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.96e-03	-5.65e-03	-5.52e-03	83,89,96
	38.3	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
795	0.0	3.40e-03	1.97e-03	4.53e-03	81,81,94	0.0	0.0	0.0	0,0,0	-1.04e-03	-4.40e-04	-4.09e-04	83,89,96
	40.0	3.18e-03	1.85e-03	4.24e-03	81,81,94	0.0	0.0	0.0	0,0,0				
796	0.0	0.02	0.03	0.02	83,81,96	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	83,89,96
	310.3	0.01	0.02	0.01	84,82,97	0.0	0.0	0.0	0,0,0				
797	0.0	0.02	0.22	0.01	84,83,97	0.0	0.0	0.0	0,0,0	7.80e-03	6.87e-03	6.50e-03	84,90,97
	45.0	0.09	0.30	0.10	84,83,97	0.0	0.0	0.0	0,0,0				
798	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.36e-03	-1.21e-03	-1.15e-03	84,90,97
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
799	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.30e-03	1.30e-03	1.30e-03	81,87,94
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
800	0.0	0.03	0.06	0.02	84,81,97	0.0	0.0	0.0	0,0,0	-5.01e-03	-4.48e-03	-4.27e-03	83,89,96
	54.5	0.03	0.06	0.02	84,81,97	0.0	0.0	0.0	0,0,0				
801	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.87e-04	-3.42e-04	-3.25e-04	83,89,96
	54.5	0.0	0.16	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
802	0.0	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.46e-03	-3.84e-03	-3.60e-03	84,90,97
	54.5	0.10	0.33	0.09	84,83,97	0.0	0.0	0.0	0,0,0				
803	0.0	0.02	0.03	0.02	84,84,97	0.0	0.0	0.0	0,0,0	-9.46e-04	-6.65e-04	-5.53e-04	83,89,96
	40.0	0.01	6.04e-03	6.63e-03	84,84,97	0.0	0.0	0.0	0,0,0				
804	0.0	0.14	0.32	0.16	83,83,96	0.0	0.0	0.0	0,0,0	2.78e-03	2.59e-03	2.51e-03	83,89,96
	29.9	0.12	0.30	0.14	83,83,96	0.0	0.0	0.0	0,0,0				
805	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.77e-03	-1.62e-03	-1.56e-03	83,89,96
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
806	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.14e-03	2.03e-03	1.98e-03	83,89,96
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
807	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.12e-03	-1.83e-03	-1.72e-03	84,90,97
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
808	0.0	0.13	0.27	0.16	83,83,96	0.0	0.0	0.0	0,0,0	3.18e-03	2.96e-03	2.87e-03	84,90,97
	45.0	0.11	0.24	0.13	83,83,96	0.0	0.0	0.0	0,0,0				
809	0.0	0.11	0.26	0.12	83,83,96	0.0	0.0	0.0	0,0,0	-1.22e-03	-1.12e-03	-1.08e-03	83,89,96
	31.3	0.11	0.27	0.13	83,83,96	0.0	0.0	0.0	0,0,0				
810	0.0	0.02	9.83e-03	0.02	84,84,97	0.0	0.0	0.0	0,0,0	2.46e-04	2.14e-04	1.82e-04	82,91,95
	43.8	0.04	0.03	0.04	84,82,97	0.0	0.0	0.0	0,0,0				
811	0.0	0.04	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-3.74e-03	-3.33e-03	-3.16e-03	83,89,96
	43.8	0.02	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
812	0.0	0.12	0.28	0.13	83,83,96	0.0	0.0	0.0	0,0,0	5.54e-04	5.10e-04	4.95e-04	84,90,97
	31.3	0.11	0.27	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
813	0.0	0.04	0.03	0.03	84,84,97	0.0	0.0	0.0	0,0,0	-0.07	-0.06	-0.06	81,87,94
	374.9	0.16	0.17	0.16	84,84,97	0.0	0.0	0.0	0,0,0				
814	0.0	0.01	6.47e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-2.76e-03	-2.41e-03	-2.27e-03	83,89,96
	40.2	9.81e-03	5.74e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
815	0.0	0.08	0.16	0.08	84,84,97	0.0	0.0	0.0	0,0,0	-5.72e-03	-4.92e-03	-4.60e-03	84,90,97
	39.6	0.09	0.18	0.10	84,84,97	0.0	0.0	0.0	0,0,0				
816	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.40e-03	-4.10e-03	-3.98e-03	83,89,96
	38.3	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
817	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.46e-03	-2.32e-03	-2.27e-03	83,89,96
	38.3	7.54e-04	0.05	2.57e-04	83,83,96	0.0	0.0	0.0	0,0,0				
818	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.58e-03	-5.30e-03	-5.19e-03	83,89,96
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
819	0.0	0.15	0.21	0.17	84,84,97	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	84,90,97
	64.5	0.02	0.02	0.02	83,81,96	0.0	0.0	0.0	0,0,0				
820	0.0	0.05	0.27	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	83,89,96
	47.7	0.0	0.22	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
821	0.0	0.06	0.43	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	47.7	0.0	0.39	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
822	0.0	0.07	0.20	0.08	83,83,96	0.0	0.0	0.0	0,0,0	9.14e-03	8.22e-03	7.86e-03	83,89,96
	39.6	0.14	0.30	0.15	83,83,96	0.0	0.0	0.0	0,0,0				
823	0.0	0.24	0.31	0.29	83,83,96	0.0	0.0	0.0	0,0,0	-0.07	-0.06	-0.06	83,89,96
	100.1	0.04	0.03	0.03	84,84,97	0.0	0.0	0.0	0,0,0				
824	0.0	0.01	6.38e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-1.38e-03	-1.11e-03	-1.01e-03	83,89,96
	39.7	0.01	6.26e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
825	0.0	0.0	0.02	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-1.34e-03	-1.16e-03	-1.09e-03	83,89,96
	39.7	0.0	0.02	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
826	0.0	3.17e-03	1.84e-03	4.23e-03	81,81,94	0.0	0.0	0.0	0,0,0	-1.13e-03	-4.94e-04	-4.63e-04	83,89,96
	40.0	2.04e-03	1.21e-03	2.72e-03	81,81,94	0.0	0.0	0.0	0,0,0				
827	0.0	0.11	0.23	0.12	83,83,96	0.0	0.0	0.0	0,0,0	-1.36e-03	-1.36e-03	-1.36e-03	81,87,94
	60.1	0.13	0.26	0.15	83,83,96	0.0	0.0	0.0	0,0,0				
828	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.55e-04	-6.69e-04	-6.37e-04	84,90,97
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
829	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.11e-03	1.11e-03	1.11e-03	81,87,94
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
830	0.0	0.01	9.32e-03	5.69e-03	84,84,97	0.0	0.0	0.0	0,0,0	-8.81e-04	-6.91e-04	-6.15e-04	83,89,96
	42.0	3.41e-03	2.04e-03	3.71e-03	84,84,94	0.0	0.0	0.0	0,0,0				
831	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.11e-03	-1.94e-03	-1.87e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
832	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.13e-03	2.04e-03	1.04e-03	83,89,96
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
833	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.45e-03	-2.14e-03	-2.02e-03	84,90,97
	38.3	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
834	0.0	0.11	0.24	0.13	83,83,96	0.0	0.0	0.0	0,0,0	-1.26e-03	-1.06e-03	-9.78e-04	83,89,96
	60.1	0.10	0.23	0.12	84,84,97	0.0	0.0	0.0	0,0,0				
835	0.0	0.03	0.07	0.03	83,84,96	0.0	0.0	0.0	0,0,0	-7.25e-03	-6.76e-03	-6.56e-03	83,89,96
	53.7	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
836	0.0	0.04	0.07	0.05	83,84,96	0.0	0.0	0.0	0,0,0	-0.01	-9.45e-03	-9.13e-03	83,89,96
	53.7	7.86e-03	0.02	8.79e-03	83,82,96	0.0	0.0	0.0	0,0,0				
837	0.0	0.06	0.12	0.06	84,83,97	0.0	0.0	0.0	0,0,0	-0.06	-0.03	-0.03	84,90,97
	100.1	0.17	0.25	0.19	83,83,96	0.0	0.0	0.0	0,0,0				
838	0.0	0.02	0.04	0.03	84,84,97	0.0	0.0	0.0	0,0,0	3.21e-03	2.71e-03	2.52e-03	84,90,97
	47.9	4.91e-03	0.01	5.12e-03	83,84,96	0.0	0.0	0.0	0,0,0				
839	0.0	0.01	7.40e-03	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-3.06e-03	-2.69e-03	-2.54e-03	83,89,96
	40.2	0.01	6.74e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
840	0.0	0.06	0.13	0.06	84,84,97	0.0	0.0	0.0	0,0,0	-3.73e-03	-3.21e-03	-3.00e-03	83,89,96
	39.6	0.08	0.16	0.08	84,84,97	0.0	0.0	0.0	0,0,0				
841	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.30e-03	-4.01e-03	-3.90e-03	83,89,96
	38.3	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
842	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.66e-03	-2.51e-03	-2.45e-03	83,89,96
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
843	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.30e-03	-5.04e-03	-4.94e-03	83,89,96
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				

844	0.0	0.10	0.24	0.11	83,83,96	0.0	0.0	0.0	0,0,0	-3.55e-03	-3.11e-03	-2.93e-03	83,89,96
	45.0	0.10	0.24	0.11	84,84,97	0.0	0.0	0.0	0,0,0				
845	0.0	0.05	0.28	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-9.61e-03	-8.85e-03	-8.54e-03	83,89,96
	43.8	0.04	0.27	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
846	0.0	0.06	0.40	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	83,89,96
	43.8	0.07	0.41	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
847	0.0	0.13	0.30	0.16	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-9.61e-03	-9.32e-03	83,89,96
	45.0	0.07	0.21	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
848	0.0	0.11	0.22	0.13	83,83,96	0.0	0.0	0.0	0,0,0	2.93e-03	2.53e-03	2.37e-03	84,90,97
	45.0	0.11	0.22	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
849	0.0	0.03	0.06	0.04	84,84,97	0.0	0.0	0.0	0,0,0	-1.43e-03	-1.27e-03	-1.21e-03	83,89,96
	43.8	0.04	0.08	0.05	83,84,96	0.0	0.0	0.0	0,0,0				
850	0.0	0.01	8.44e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-3.43e-03	-3.10e-03	-2.97e-03	83,89,96
	43.8	0.03	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
851	0.0	0.23	0.34	0.26	84,83,97	0.0	0.0	0.0	0,0,0	-0.06	-0.03	-0.03	83,89,96
	374.9	0.06	0.12	0.07	84,83,97	0.0	0.0	0.0	0,0,0				
852	0.0	0.05	0.09	0.05	84,84,97	0.0	0.0	0.0	0,0,0	9.52e-03	8.09e-03	7.54e-03	84,90,97
	39.6	0.10	0.15	0.10	84,84,97	0.0	0.0	0.0	0,0,0				
853	0.0	0.13	0.31	0.15	83,83,96	0.0	0.0	0.0	0,0,0	4.57e-03	4.13e-03	3.95e-03	84,90,97
	47.9	0.12	0.29	0.13	83,83,96	0.0	0.0	0.0	0,0,0				
854	0.0	0.01	6.11e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-1.08e-03	-8.28e-04	-7.28e-04	83,89,96
	39.7	8.84e-03	5.23e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
855	0.0	0.0	0.03	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-1.46e-03	-1.26e-03	-1.18e-03	83,89,96
	39.7	0.0	0.03	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
856	0.0	2.63e-03	1.60e-03	3.51e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.17e-03	-1.03e-03	-9.68e-04	83,89,96
	40.0	3.47e-03	2.05e-03	3.31e-03	83,83,96	0.0	0.0	0.0	0,0,0				
857	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.47e-03	-1.29e-03	-1.23e-03	84,90,97
	38.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
858	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	9.38e-04	9.38e-04	9.38e-04	81,87,94
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
859	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.41e-03	-2.21e-03	-2.13e-03	83,89,96
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
860	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.00e-03	1.90e-03	1.86e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
861	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.96e-03	-2.61e-03	-2.47e-03	84,90,97
	38.3	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
862	0.0	0.07	0.14	0.08	83,84,96	0.0	0.0	0.0	0,0,0	3.69e-03	3.44e-03	3.34e-03	83,89,96
	43.8	0.08	0.15	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
863	0.0	0.06	0.07	0.07	83,84,96	0.0	0.0	0.0	0,0,0	2.84e-03	2.67e-03	2.60e-03	83,89,96
	43.8	0.07	0.09	0.09	83,84,96	0.0	0.0	0.0	0,0,0				
864	0.0	0.11	0.26	0.12	83,83,96	0.0	0.0	0.0	0,0,0	6.27e-04	5.14e-04	4.73e-04	84,90,97
	30.0	0.11	0.26	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
865	0.0	6.02e-03	8.35e-03	6.67e-03	83,84,96	0.0	0.0	0.0	0,0,0	2.66e-03	2.24e-03	2.08e-03	84,90,97
	39.6	2.98e-04	1.70e-04	3.97e-04	81,81,94	0.0	0.0	0.0	0,0,0				
866	0.0	0.01	6.12e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-3.48e-03	-3.07e-03	-2.91e-03	83,89,96
	40.2	0.01	7.13e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
867	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.21e-03	-3.94e-03	-3.82e-03	83,89,96
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
868	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.63e-03	-2.51e-03	-2.42e-03	83,89,96
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
869	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.08e-03	-4.84e-03	-4.74e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
870	0.0	0.10	0.45	0.11	84,83,97	0.0	0.0	0.0	0,0,0	-0.01	-8.93e-03	-8.50e-03	83,89,96
	39.6	0.02	0.36	0.01	84,83,97	0.0	0.0	0.0	0,0,0				
871	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	1.30e-03	1.11e-03	1.05e-03	84,90,97
	51.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
872	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-2.79e-03	-2.53e-03	-2.43e-03	83,89,96
	51.7	0.07	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
873	0.0	0.05	0.16	0.05	84,83,97	0.0	0.0	0.0	0,0,0	7.72e-03	6.81e-03	6.46e-03	84,90,97
	45.0	0.11	0.25	0.12	84,83,97	0.0	0.0	0.0	0,0,0				
874	0.0	0.09	0.28	0.10	84,83,97	0.0	0.0	0.0	0,0,0	-8.04e-03	-7.10e-03	-6.73e-03	84,90,97
	45.0	0.02	0.19	0.01	84,83,97	0.0	0.0	0.0	0,0,0				
875	0.0	0.04	0.06	0.05	83,84,96	0.0	0.0	0.0	0,0,0	-2.91e-03	-2.66e-03	-2.57e-03	83,89,96
	43.8	0.05	0.06	0.06	83,84,96	0.0	0.0	0.0	0,0,0				
876	0.0	0.03	0.02	0.04	84,82,97	0.0	0.0	0.0	0,0,0	-4.58e-03	-4.18e-03	-4.02e-03	83,89,96
	43.8	0.05	0.04	0.06	83,84,96	0.0	0.0	0.0	0,0,0				
877	0.0	0.10	0.16	0.10	84,84,97	0.0	0.0	0.0	0,0,0	5.87e-03	5.01e-03	4.68e-03	84,90,97
	39.6	0.07	0.13	0.08	84,84,97	0.0	0.0	0.0	0,0,0				
878	0.0	8.13e-03	4.75e-03	9.35e-03	83,83,96	0.0	0.0	0.0	0,0,0	-8.33e-04	-6.03e-04	-5.11e-04	83,89,96
	39.7	5.53e-03	3.32e-03	5.87e-03	83,83,96	0.0	0.0	0.0	0,0,0				
879	0.0	0.0	0.03	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-1.56e-03	-1.36e-03	-1.27e-03	83,89,96
	39.7	0.0	0.04	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
880	0.0	3.29e-03	1.93e-03	3.26e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.16e-03	-1.02e-03	-9.65e-04	83,89,96
	40.0	9.84e-03	0.01	9.89e-03	84,84,97	0.0	0.0	0.0	0,0,0				
881	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.36e-03	-1.17e-03	-1.11e-03	84,90,97
	38.3	1.25e-03	0.03	1.67e-03	81,83,94	0.0	0.0	0.0	0,0,0				
882	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.47e-04	6.47e-04	6.47e-04	81,87,94
	31.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
883	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.75e-03	-2.53e-03	-2.43e-03	83,89,96
	38.3	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
884	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.86e-03	1.78e-03	1.74e-03	83,89,96
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
885	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.95e-03	-3.50e-03	-3.32e-03	84,90,97
	38.3	0.0	0.13	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
886	0.0	0.04	0.17	0.05	83,84,96	0.0	0.0	0.0	0,0,0	-6.67e-03	-6.21e-03	-6.02e-03	83,89,96
	47.7	0.0	0.12	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
887	0.0	0.05	0.16	0.06	83,84,96	0.0	0.0	0.0	0,0,0	-7.22e-03	-6.69e-03	-6.47e-03	83,89,96
	47.7	0.01	0.12	0.01	83,84,96	0.0	0.0	0.0	0,0,0				
888	0.0	0.11	0.22	0.13	83,84,96	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	84,90,97
	87.5	0.05	0.04	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
889	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.13e-03	-3.86e-03	-3.75e-03	83,89,96
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
890	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.48e-03	-2.35e-03	-2.30e-03	83,89,96
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
891	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.85e-03	-4.63e-03	-4.54e-03	83,89,96
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
892	0.0	0.12	0.29	0.14	83,83,96	0.0	0.0	0.0	0,0,0	-4.78e-03	-4.25e-03	-4.05e-03	83,89,96
	39.6	0.14	0.32	0.16	84,83,97	0.0	0.0	0.0	0,0,0				
893	0.0	0.06	0.13	0.07	83,84,96	0.0	0.0	0.0	0,0,0	-8.65e-04	-7.81e-04	-7.47e-04	83,89,96
	43.8	0.07	0.15	0.08	83,84,96	0.0	0.0	0.0	0,0,0				
894	0.0	0.05	0.12	0.07	83,84,96	0.0	0.0	0.0	0,0,0	-1.12e-03	-1.01e-03	-9.71e-04	83,89,96

	43.8	0.07	0.15	0.09	83,84,96	0.0	0.0	0.0	0,0,0				
895	0.0	0.23	0.31	0.28	83,83,96	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	83,89,96
	374.8	0.11	0.21	0.13	83,84,96	0.0	0.0	0.0	0,0,0				
896	0.0	0.10	0.30	0.11	84,83,97	0.0	0.0	0.0	0,0,0	2.25e-03	1.97e-03	1.86e-03	84,90,97
	29.9	0.10	0.30	0.11	84,83,97	0.0	0.0	0.0	0,0,0				
897	0.0	0.05	0.06	0.06	83,84,96	0.0	0.0	0.0	0,0,0	-4.54e-03	-4.20e-03	-4.07e-03	83,89,96
	43.8	0.03	0.05	0.04	83,82,96	0.0	0.0	0.0	0,0,0				
898	0.0	0.05	0.05	0.06	83,84,96	0.0	0.0	0.0	0,0,0	-6.45e-03	-5.92e-03	-5.71e-03	83,89,96
	43.8	0.05	0.05	0.05	83,84,96	0.0	0.0	0.0	0,0,0				
899	0.0	0.07	0.13	0.08	84,84,97	0.0	0.0	0.0	0,0,0	3.90e-03	3.32e-03	3.10e-03	84,90,97
	39.6	0.04	0.08	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
900	0.0	3.93e-03	2.31e-03	4.03e-03	83,83,96	0.0	0.0	0.0	0,0,0	-7.66e-04	-5.48e-04	-4.62e-04	83,89,96
	39.7	2.34e-03	1.43e-03	1.98e-03	83,83,96	0.0	0.0	0.0	0,0,0				
901	0.0	0.0	0.04	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-2.41e-03	-2.10e-03	-1.97e-03	83,89,96
	55.2	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
902	0.0	0.01	8.39e-03	0.01	84,84,97	0.0	0.0	0.0	0,0,0	-9.70e-04	-8.74e-04	-8.35e-04	83,89,96
	40.0	0.02	0.03	0.02	84,84,97	0.0	0.0	0.0	0,0,0				
903	0.0	5.79e-03	0.02	7.73e-03	81,83,94	0.0	0.0	0.0	0,0,0	-1.03e-03	-8.20e-04	-7.45e-04	84,90,97
	38.3	8.92e-03	0.03	0.01	81,83,94	0.0	0.0	0.0	0,0,0				
904	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.89e-04	7.89e-04	7.89e-04	81,87,94
	45.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
905	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.27e-03	-3.00e-03	-2.89e-03	83,89,96
	38.3	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
906	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.77e-03	1.69e-03	1.66e-03	83,89,96
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
907	0.0	0.0	0.13	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-5.01e-03	-4.55e-03	-4.36e-03	83,89,96
	38.3	0.0	0.17	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
908	0.0	0.04	0.06	0.05	83,84,96	0.0	0.0	0.0	0,0,0	4.55e-03	4.22e-03	4.09e-03	83,89,96
	43.7	0.05	0.07	0.06	83,84,96	0.0	0.0	0.0	0,0,0				
909	0.0	0.04	0.02	0.05	83,83,96	0.0	0.0	0.0	0,0,0	4.65e-03	4.32e-03	4.19e-03	83,89,96
	43.7	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
910	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.05e-03	-3.79e-03	-3.68e-03	83,89,96
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
911	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.33e-03	-2.21e-03	-2.16e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
912	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.65e-03	-4.44e-03	-4.36e-03	83,89,96
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
913	0.0	0.11	0.27	0.12	83,83,96	0.0	0.0	0.0	0,0,0	-1.63e-03	-1.44e-03	-1.36e-03	83,89,96
	39.6	0.12	0.29	0.14	83,83,96	0.0	0.0	0.0	0,0,0				
914	0.0	0.07	0.19	0.08	83,83,96	0.0	0.0	0.0	0,0,0	4.89e-04	4.79e-04	4.73e-04	83,90,97
	43.8	0.05	0.17	0.06	83,84,96	0.0	0.0	0.0	0,0,0				
915	0.0	0.07	0.11	0.09	83,84,96	0.0	0.0	0.0	0,0,0	2.38e-04	2.22e-04	2.15e-04	83,89,96
	43.8	0.06	0.09	0.07	83,84,96	0.0	0.0	0.0	0,0,0				
916	0.0	0.11	0.40	0.14	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-9.85e-03	83,89,96
	45.0	0.03	0.30	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
917	0.0	0.07	0.15	0.09	83,84,96	0.0	0.0	0.0	0,0,0	-3.80e-03	-3.52e-03	-3.41e-03	83,89,96
	43.8	0.06	0.13	0.07	83,84,96	0.0	0.0	0.0	0,0,0				
918	0.0	0.07	0.15	0.09	83,84,96	0.0	0.0	0.0	0,0,0	-4.10e-03	-3.79e-03	-3.66e-03	83,89,96
	43.8	0.06	0.14	0.07	83,84,96	0.0	0.0	0.0	0,0,0				
919	0.0	0.04	0.08	0.05	84,84,97	0.0	0.0	0.0	0,0,0	2.38e-03	2.02e-03	1.88e-03	84,90,97
	31.3	0.02	0.05	0.03	83,84,96	0.0	0.0	0.0	0,0,0				
920	0.0	0.0	7.12e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-7.47e-04	-5.36e-04	-4.53e-04	83,89,96
	39.7	0.0	8.52e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
921	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.97e-04	-5.20e-04	-4.90e-04	83,89,96
	24.2	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
922	0.0	0.02	0.02	0.02	84,84,97	0.0	0.0	0.0	0,0,0	-2.77e-04	-2.77e-04	-2.77e-04	81,87,94
	40.0	0.02	0.03	0.03	84,84,97	0.0	0.0	0.0	0,0,0				
923	0.0	7.91e-03	0.03	0.01	81,83,94	0.0	0.0	0.0	0,0,0	-5.15e-04	-2.80e-04	-2.00e-04	84,90,97
	38.3	5.64e-03	0.03	7.52e-03	81,83,94	0.0	0.0	0.0	0,0,0				
924	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.52e-04	5.52e-04	5.52e-04	81,87,94
	38.3	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
925	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.66e-03	1.60e-03	1.57e-03	83,89,96
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
926	0.0	0.01	6.21e-03	0.01	83,83,97	0.0	0.0	0.0	0,0,0	-4.88e-04	-4.42e-04	-3.95e-04	82,91,95
	47.7	0.03	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
927	0.0	0.01	6.16e-03	0.01	84,84,97	0.0	0.0	0.0	0,0,0	6.82e-04	5.25e-04	4.62e-04	83,89,96
	47.7	0.03	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
928	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.97e-03	-3.72e-03	-3.62e-03	83,89,96
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
929	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.22e-03	-2.11e-03	-2.07e-03	83,89,96
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
930	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.51e-03	-4.32e-03	-4.24e-03	83,89,96
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
931	0.0	0.11	0.28	0.13	83,83,96	0.0	0.0	0.0	0,0,0	-4.59e-03	-4.25e-03	-4.11e-03	83,89,96
	45.0	0.14	0.31	0.16	83,83,96	0.0	0.0	0.0	0,0,0				
932	0.0	0.05	0.08	0.06	83,84,96	0.0	0.0	0.0	0,0,0	2.66e-03	2.46e-03	2.38e-03	83,89,96
	43.8	0.04	0.07	0.05	83,84,96	0.0	0.0	0.0	0,0,0				
933	0.0	0.05	0.04	0.06	83,84,96	0.0	0.0	0.0	0,0,0	2.96e-03	2.74e-03	2.65e-03	83,89,96
	43.8	0.04	0.03	0.05	84,84,97	0.0	0.0	0.0	0,0,0				
934	0.0	0.0	0.01	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-7.10e-04	-5.06e-04	-4.24e-04	83,89,96
	39.7	5.08e-03	0.02	4.31e-03	83,81,96	0.0	0.0	0.0	0,0,0				
935	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.98e-03	-1.73e-03	-1.63e-03	83,89,96
	39.7	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
936	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.49e-04	5.49e-04	5.49e-04	81,87,94
	38.3	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
937	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.50e-04	4.50e-04	4.50e-04	81,87,94
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
938	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.56e-03	1.51e-03	1.48e-03	83,89,96
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
939	0.0	0.05	0.14	0.06	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.01	0.01	83,89,96
	43.7	0.02	0.11	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
940	0.0	0.05	0.14	0.06	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.01	83,89,96
	43.7	0.02	0.10	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
941	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.89e-03	-3.65e-03	-3.55e-03	83,89,96
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
942	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.10e-03	-2.00e-03	-1.96e-03	83,89,96
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
943	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.37e-03	-4.19e-03	-4.12e-03	83,89,96
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
944	0.0	0.11	0.26	0.12	83,83,96	0.0	0.0	0.0	0,0,0	-8.89e-04	-8.49e-04	-8.32e-04	83,89,96
	30.1	0.12	0.28	0.14	83,83,96	0.0	0.0	0.0	0,0,0				

945	0.0	0.04	0.05	0.05	83,84,96	0.0	0.0	0.0	0,0,0	1.18e-03	1.06e-03	1.02e-03	83,89,96
	43.8	0.03	0.03	0.04	84,82,97	0.0	0.0	0.0	0,0,0				
946	0.0	0.04	0.05	0.05	83,84,96	0.0	0.0	0.0	0,0,0	1.57e-03	1.43e-03	1.38e-03	83,89,96
	43.8	0.03	0.03	0.03	84,82,97	0.0	0.0	0.0	0,0,0				
947	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-7.21e-04	-5.09e-04	-4.24e-04	83,89,96
	39.7	0.01	0.05	0.01	83,81,96	0.0	0.0	0.0	0,0,0				
948	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.88e-03	-1.63e-03	-1.53e-03	83,89,96
	39.7	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
949	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.79e-04	6.79e-04	6.79e-04	81,87,94
	38.3	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
950	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	3.46e-04	3.46e-04	3.46e-04	81,87,94
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
951	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.46e-03	1.41e-03	1.39e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
952	0.0	0.03	0.10	0.03	83,83,96	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	83,89,96
	43.8	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
953	0.0	0.03	0.09	0.03	83,83,96	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	83,89,96
	43.8	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
954	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.81e-03	-3.58e-03	-3.48e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
955	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.97e-03	-1.88e-03	-1.85e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
956	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.23e-03	-4.06e-03	-4.00e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
957	0.0	0.03	0.02	0.04	84,82,97	0.0	0.0	0.0	0,0,0	3.01e-04	2.09e-04	1.71e-04	83,89,96
	43.8	7.36e-03	4.39e-03	9.41e-03	82,82,95	0.0	0.0	0.0	0,0,0				
958	0.0	0.03	0.02	0.03	84,84,97	0.0	0.0	0.0	0,0,0	6.65e-04	5.65e-04	5.25e-04	83,89,96
	43.8	9.76e-03	5.96e-03	0.01	84,84,97	0.0	0.0	0.0	0,0,0				
959	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.05e-03	-8.22e-04	-7.30e-04	83,89,96
	39.7	0.02	0.10	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
960	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.09e-03	-1.83e-03	-1.73e-03	83,89,96
	39.7	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
961	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	3.83e-04	3.83e-04	3.83e-04	81,87,94
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
962	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.50e-04	2.50e-04	2.50e-04	81,87,94
	38.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
963	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.35e-03	1.32e-03	1.31e-03	83,89,96
	38.3	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
964	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.68e-03	-3.45e-03	-3.36e-03	83,89,96
	38.3	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
965	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.84e-03	-1.77e-03	-1.74e-03	83,89,96
	38.3	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
966	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.11e-03	-3.96e-03	-3.89e-03	83,89,96
	38.3	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
967	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.84e-03	-1.57e-03	-1.46e-03	83,89,96
	39.7	0.03	0.17	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
968	0.0	0.0	0.18	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.72e-03	-2.42e-03	-2.29e-03	83,89,96
	39.7	0.02	0.22	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
969	0.0	0.0	9.77e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.00e-03	-3.65e-03	-3.51e-03	83,89,96
	39.3	4.32e-03	0.02	5.39e-03	83,83,96	0.0	0.0	0.0	0,0,0				
970	0.0	2.02e-05	6.46e-03	0.0	83,83,0	0.0	0.0	0.0	0,0,0	-3.37e-03	-2.99e-03	-2.84e-03	83,89,96
	39.3	0.0	5.97e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
971	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.68e-03	-4.29e-03	-4.13e-03	83,89,96
	40.2	6.26e-03	0.03	6.35e-03	84,83,97	0.0	0.0	0.0	0,0,0				
972	0.0	4.58e-04	0.01	6.11e-04	81,83,94	0.0	0.0	0.0	0,0,0	-3.34e-03	-2.95e-03	-2.79e-03	83,89,96
	40.2	4.85e-03	0.02	5.84e-03	83,83,96	0.0	0.0	0.0	0,0,0				
973	0.0	6.94e-04	0.02	3.47e-04	83,83,96	0.0	0.0	0.0	0,0,0	-4.29e-03	-3.92e-03	-3.77e-03	83,89,96
	39.3	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
974	0.0	0.0	9.17e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.34e-03	-2.96e-03	-2.80e-03	83,89,96
	39.3	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
975	0.0	5.83e-04	6.48e-03	7.77e-04	81,81,94	0.0	0.0	0.0	0,0,0	-1.74e-03	-1.55e-03	-1.48e-03	83,89,96
	53.5	5.79e-03	0.01	6.14e-03	83,84,96	0.0	0.0	0.0	0,0,0				
976	0.0	1.69e-03	0.03	2.00e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.91e-03	-1.61e-03	-1.49e-03	83,89,96
	39.7	1.28e-03	0.03	1.15e-03	83,83,96	0.0	0.0	0.0	0,0,0				
977	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.21e-03	-1.90e-03	-1.77e-03	83,89,96
	40.2	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
978	0.0	0.04	0.29	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-5.58e-03	-5.03e-03	-4.81e-03	83,89,96
	43.8	0.10	0.36	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
979	0.0	0.05	0.22	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-4.25e-03	-3.80e-03	-3.62e-03	83,89,96
	43.8	0.08	0.26	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
980	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.35e-03	-2.03e-03	-1.90e-03	83,89,96
	40.2	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
981	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.18e-04	-4.60e-04	-4.37e-04	83,89,96
	25.8	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
982	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.67e-03	-1.38e-03	-1.27e-03	83,89,96
	39.7	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
983	0.0	0.04	0.05	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-2.14e-03	-1.93e-03	-1.85e-03	83,89,96
	43.8	0.01	7.46e-03	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
984	0.0	0.0	0.08	0.0	0,84,0	0.0	0.0	0.0	0,0,0	1.60e-04	1.58e-04	1.51e-04	84,93,97
	43.8	0.01	0.09	0.01	83,84,96	0.0	0.0	0.0	0,0,0				
985	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.44e-03	-2.12e-03	-1.99e-03	83,89,96
	40.2	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
986	0.0	0.07	0.61	0.08	83,83,96	0.17	0.17	0.0	83,89,0	-0.02	-0.02	-0.02	83,89,96
	46.6	0.0	0.42	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
987	0.0	0.04	0.42	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	83,89,96
	47.7	0.0	0.35	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
988	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.60e-03	-1.44e-03	-1.38e-03	83,89,96
	39.7	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
989	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.51e-03	-1.24e-03	-1.13e-03	83,89,96
	39.7	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
990	0.0	0.02	0.25	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-9.56e-03	-8.66e-03	-8.30e-03	83,89,96
	53.7	0.0	0.18	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
991	0.0	0.0	0.20	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.83e-03	-6.20e-03	-5.95e-03	83,89,96
	53.7	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
992	0.0	2.68e-03	0.03	2.70e-03	83,83,96	0.0	0.0	0.0	0,0,0	-2.66e-03	-2.32e-03	-2.19e-03	83,89,96
	40.2	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
993	0.0	0.07	0.43	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-9.14e-03	-8.77e-03	83,89,96
	43.8	0.13	0.50	0.15	83,83,96	0.13	0.0	0.0	83,0,0				
994	0.0	0.06	0.31	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-7.58e-03	-6.86e-03	-6.57e-03	83,89,96
	43.8	0.08	0.34	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
995	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.62e-03	-1.45e-03	-1.39e-03	83,89,96

	43.8	0.02	0.06	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
996	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.40e-04	-6.33e-04	-5.89e-04	83,89,96
	43.8	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
997	0.0	0.06	0.07	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-5.48e-03	-4.98e-03	-4.78e-03	83,89,96
	60.1	0.04	0.03	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
998	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.72e-03	-1.53e-03	-1.46e-03	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
999	0.0	1.83e-03	0.02	2.11e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.31e-03	-1.05e-03	-9.49e-04	83,89,96
	39.7	1.26e-03	0.02	1.07e-03	83,83,96	0.0	0.0	0.0	0,0,0				
1000	0.0	0.04	0.20	0.04	83,83,96	0.0	0.0	0.0	0,0,0	1.72e-03	1.58e-03	1.52e-03	83,89,96
	43.8	0.03	0.19	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1001	0.0	0.06	0.25	0.07	83,83,96	0.0	0.0	0.0	0,0,0	2.53e-03	2.32e-03	2.23e-03	83,89,96
	43.8	0.04	0.23	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1002	0.0	4.73e-03	0.02	5.60e-03	83,83,96	0.0	0.0	0.0	0,0,0	-3.03e-03	-2.66e-03	-2.52e-03	83,89,96
	40.2	5.94e-03	0.02	6.92e-03	83,83,96	0.0	0.0	0.0	0,0,0				
1003	0.0	0.08	0.09	0.10	83,83,96	0.0	0.0	0.0	0,0,0	-6.63e-03	-6.03e-03	-5.78e-03	83,89,96
	45.0	0.07	0.05	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1004	0.0	0.07	0.08	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-2.62e-03	-2.37e-03	-2.27e-03	83,89,96
	40.1	0.07	0.08	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1005	0.0	0.07	0.06	0.08	83,83,96	0.0	0.0	0.0	0,0,0	1.30e-03	1.12e-03	1.06e-03	84,90,97
	51.7	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1006	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.35e-03	-2.11e-03	-2.01e-03	83,89,96
	43.8	0.04	0.13	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1007	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.76e-03	-1.56e-03	-1.47e-03	83,89,96
	43.8	0.01	0.15	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
1008	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.85e-03	-1.66e-03	-1.58e-03	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1009	0.0	3.71e-03	0.02	4.19e-03	83,83,96	0.0	0.0	0.0	0,0,0	-1.09e-03	-8.51e-04	-7.55e-04	83,89,96
	39.7	1.29e-03	0.01	9.33e-04	83,83,96	0.0	0.0	0.0	0,0,0				
1010	0.0	0.0	0.30	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.94e-03	-6.30e-03	-6.04e-03	83,89,96
	46.8	0.0	0.25	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1011	0.0	0.0	0.29	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.46e-03	-5.87e-03	-5.64e-03	83,89,96
	47.7	0.0	0.24	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1012	0.0	0.0	0.18	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.45e-04	-8.30e-04	-7.84e-04	83,89,96
	43.8	0.03	0.21	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1013	0.0	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.76e-04	-5.78e-04	-5.39e-04	83,89,96
	43.8	0.02	0.21	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1014	0.0	0.04	0.05	0.05	83,83,96	0.0	0.0	0.0	0,0,0	4.67e-03	4.29e-03	4.13e-03	83,89,96
	39.6	0.02	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1015	0.0	0.02	0.18	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-4.32e-03	-3.89e-03	-3.72e-03	83,89,96
	43.8	0.05	0.20	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1016	0.0	7.50e-03	0.15	6.74e-03	83,83,96	0.0	0.0	0.0	0,0,0	-3.16e-03	-2.83e-03	-2.70e-03	83,89,96
	43.8	0.02	0.16	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1017	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.05e-03	-8.50e-04	-8.03e-04	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1018	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.89e-04	-7.67e-04	-6.79e-04	83,89,96
	39.7	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1019	0.0	0.03	0.19	0.04	83,83,96	0.0	0.0	0.0	0,0,0	2.38e-03	2.17e-03	2.09e-03	83,89,96
	43.7	0.01	0.17	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
1020	0.0	0.02	0.23	0.02	83,83,96	0.0	0.0	0.0	0,0,0	2.46e-03	2.24e-03	2.15e-03	83,89,96
	43.7	0.0	0.21	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1021	0.0	0.02	0.20	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-3.45e-04	-2.89e-04	-2.67e-04	84,90,97
	43.8	0.0	0.17	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1022	0.0	0.03	0.25	0.03	83,83,96	0.0	0.0	0.0	0,0,0	2.34e-04	2.11e-04	2.02e-04	83,89,96
	43.8	0.0	0.21	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1023	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	7.47e-03	6.95e-03	6.74e-03	83,89,96
	52.6	0.03	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1024	0.0	0.02	0.23	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-3.23e-03	-2.90e-03	-2.78e-03	83,89,96
	43.8	0.03	0.25	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1025	0.0	0.02	0.21	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-2.87e-03	-2.57e-03	-2.46e-03	83,89,96
	43.8	0.03	0.23	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1026	0.0	0.01	0.03	0.01	83,84,96	0.0	0.0	0.0	0,0,0	4.61e-03	4.22e-03	4.06e-03	83,89,96
	35.4	0.05	0.08	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1027	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.76e-04	-8.56e-04	-8.07e-04	83,89,96
	39.7	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1028	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.62e-04	-7.49e-04	-6.64e-04	83,89,96
	39.7	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1029	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.03e-04	-5.82e-04	-5.44e-04	84,90,97
	46.9	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1030	0.0	0.0	0.07	0.0	0,84,0	0.0	0.0	0.0	0,0,0	-9.21e-04	-8.30e-04	-8.00e-04	84,90,97
	47.7	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1031	0.0	0.04	0.05	0.05	83,83,96	0.0	0.0	0.0	0,0,0	5.75e-03	5.24e-03	5.03e-03	83,89,96
	45.0	0.02	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1032	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	5.42e-03	4.96e-03	4.78e-03	83,89,96
	39.6	0.01	7.88e-03	0.02	84,83,97	0.0	0.0	0.0	0,0,0				
1033	0.0	7.74e-03	0.18	5.74e-03	83,83,96	0.0	0.0	0.0	0,0,0	7.44e-04	7.00e-04	6.83e-04	83,89,96
	43.8	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1034	0.0	5.85e-03	0.20	2.55e-03	83,83,96	0.0	0.0	0.0	0,0,0	6.79e-04	6.44e-04	6.30e-04	83,89,96
	43.8	0.0	0.17	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1035	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.13e-03	-1.97e-03	-8.00e-04	83,89,96
	39.7	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1036	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.76e-04	-6.65e-04	-5.81e-04	83,89,96
	39.7	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1037	0.0	0.08	0.39	0.09	83,83,96	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	83,89,96
	43.7	0.0	0.31	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1038	0.0	0.08	0.39	0.09	83,83,96	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	83,89,96
	43.7	0.0	0.31	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1039	0.0	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	83,89,96
	70.8	0.11	0.33	0.12	83,83,96	0.0	0.0	0.0	0,0,0				
1040	0.0	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.51e-04	-1.96e-04	-1.76e-04	84,90,97
	43.8	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1041	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.47e-04	-2.85e-04	-2.61e-04	84,90,97
	43.8	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1042	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.87e-03	-1.64e-03	-1.54e-03	83,89,96
	39.7	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1043	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.82e-04	-4.84e-04	-4.05e-04	83,89,96
	39.7	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1044	0.0	0.05	0.22	0.06	83,83,96	0.0	0.0	0.0	0,0,0	9.37e-03	8.60e-03	8.29e-03	83,89,96
	43.8	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1045	0.0	0.05	0.22	0.06	83,83,96	0.0	0.0	0.0	0,0,0	9.24e-03	8.47e-03	8.16e-03	83,89,96
	43.8	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				

1046	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	39.6	0.03	0.11	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1047	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.76e-04	-5.81e-04	-5.42e-04	84,90,97
	43.8	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1048	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.78e-04	-6.78e-04	-6.39e-04	84,90,97
	43.8	0.0	0.07	0.0	0,84,0	0.0	0.0	0.0	0,0,0				
1049	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.84e-03	-1.60e-03	-1.50e-03	83,89,96
	39.7	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1050	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.74e-04	-4.68e-04	-3.86e-04	83,89,96
	39.7	0.01	0.05	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1051	0.0	0.03	0.07	0.04	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	39.6	4.56e-03	8.91e-03	5.12e-03	84,82,97	0.0	0.0	0.0	0,0,0				
1052	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.03e-03	-1.77e-03	-1.66e-03	83,89,96
	39.7	0.02	0.14	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1053	0.0	6.36e-04	0.07	8.49e-04	81,83,94	0.0	0.0	0.0	0,0,0	-9.56e-04	-7.40e-04	-6.53e-04	83,89,96
	39.7	0.03	0.10	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1054	0.0	0.0	0.18	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.77e-03	-2.45e-03	-2.32e-03	83,89,96
	39.7	0.06	0.24	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1055	0.0	0.02	0.13	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-1.72e-03	-1.46e-03	-1.35e-03	83,89,96
	39.7	0.06	0.18	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1056	0.0	0.08	0.13	0.09	83,83,96	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04	83,89,96
	111.3	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
	222.5	0.12	0.20	0.14	83,83,96	0.0	0.0	0.0	0,0,0				
1057	0.0	0.06	0.17	0.06	84,83,97	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	83,89,96
	111.3	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
	222.5	0.01	0.12	0.0	84,83,0	0.0	0.0	0.0	0,0,0				
1058	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.37e-03	-5.66e-03	-5.38e-03	83,89,96
	40.2	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1059	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.68e-03	-5.92e-03	-5.63e-03	83,89,96
	40.2	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1060	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.58e-03	-5.82e-03	-5.52e-03	83,89,96
	40.2	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1061	0.0	6.14e-03	0.01	5.35e-03	84,81,97	0.0	0.0	0.0	0,0,0	-6.23e-03	-5.52e-03	-5.23e-03	83,89,96
	40.2	9.62e-03	0.02	8.36e-03	84,81,97	0.0	0.0	0.0	0,0,0				
1062	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.79e-03	-6.08e-03	-5.80e-03	83,89,96
	40.2	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1063	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.89e-03	-6.13e-03	-5.83e-03	83,89,96
	40.2	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1064	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.58e-03	-5.83e-03	-5.52e-03	83,89,96
	40.2	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1065	0.0	0.0	0.06	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-5.96e-03	-5.26e-03	-4.97e-03	83,89,96
	40.2	1.87e-03	0.07	0.0	84,81,0	0.0	0.0	0.0	0,0,0				
1066	0.0	0.02	0.04	0.01	84,81,97	0.0	0.0	0.0	0,0,0	-5.07e-03	-4.46e-03	-4.22e-03	83,89,96
	40.2	0.03	0.05	0.03	84,81,97	0.0	0.0	0.0	0,0,0				
1067	0.0	0.01	8.68e-03	0.02	83,84,96	0.0	0.0	0.0	0,0,0	-4.26e-03	-3.93e-03	-3.80e-03	83,89,96
	40.2	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1068	0.0	0.02	0.01	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-3.54e-03	-3.26e-03	-3.15e-03	83,89,96
	40.2	0.03	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1069	0.0	0.03	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-2.68e-03	-2.45e-03	-2.36e-03	83,89,96
	40.2	0.03	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1070	0.0	0.02	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-1.87e-03	-1.68e-03	-1.61e-03	83,89,96
	40.2	0.02	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1071	0.0	0.02	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-1.30e-03	-1.14e-03	-1.08e-03	83,89,96
	40.2	9.02e-03	5.36e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
1072	0.0	0.01	0.02	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-4.29e-03	-3.94e-03	-3.80e-03	83,89,96
	40.2	0.02	0.04	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1073	0.0	0.02	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-3.48e-03	-3.20e-03	-3.09e-03	83,89,96
	40.2	0.03	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1074	0.0	0.03	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-2.55e-03	-2.34e-03	-2.25e-03	83,89,96
	40.2	0.02	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1075	0.0	0.02	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-1.72e-03	-1.56e-03	-1.50e-03	83,89,96
	40.2	0.01	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1076	0.0	0.01	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-1.22e-03	-1.10e-03	-1.05e-03	83,89,96
	40.2	2.23e-03	1.27e-03	2.98e-03	81,81,94	0.0	0.0	0.0	0,0,0				
1077	0.0	0.0	0.16	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.77e-03	-7.99e-03	-7.67e-03	83,89,96
	46.8	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1078	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.13e-03	-7.42e-03	-7.13e-03	83,89,96
	46.9	0.02	0.09	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1079	0.0	0.03	0.04	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-6.61e-03	-6.04e-03	-5.81e-03	83,89,96
	46.8	0.05	0.08	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1080	0.0	0.06	0.06	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-4.23e-03	-3.87e-03	-3.73e-03	83,89,96
	46.8	0.07	0.08	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1081	0.0	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-1.52e-03	-1.39e-03	-1.34e-03	84,90,97
	46.9	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1082	0.0	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0	1.46e-03	1.32e-03	1.26e-03	83,89,96
	46.8	0.06	0.06	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1083	0.0	0.06	0.07	0.07	83,83,96	0.0	0.0	0.0	0,0,0	4.06e-03	3.69e-03	3.54e-03	83,89,96
	46.8	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1084	0.0	0.03	0.06	0.03	83,83,96	0.0	0.0	0.0	0,0,0	6.47e-04	6.27e-04	6.19e-04	83,89,96
	46.9	0.05	0.12	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1085	0.0	0.06	0.08	0.07	83,83,96	0.0	0.0	0.0	0,0,0	3.35e-03	3.09e-03	2.99e-03	83,89,96
	46.9	0.08	0.12	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1086	0.0	0.08	0.10	0.10	83,83,96	0.0	0.0	0.0	0,0,0	6.84e-03	6.28e-03	6.06e-03	83,89,96
	46.9	0.09	0.12	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
1087	0.0	0.09	0.11	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.01	9.79e-03	9.43e-03	83,89,96
	46.9	0.09	0.11	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
1088	0.0	0.09	0.11	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	83,89,96
	46.9	0.08	0.10	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
1089	0.0	0.08	0.11	0.09	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	46.9	0.06	0.08	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1090	0.0	0.06	0.10	0.07	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	46.9	0.03	0.05	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1091	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.33e-03	5.76e-03	5.53e-03	83,89,96
	52.6	0.05	0.15	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1092	0.0	0.02	0.15	0.02	83,83,96	0.0	0.0	0.0	0,0,0	3.43e-03	3.14e-03	3.02e-03	83,89,96
	35.4	0.05	0.18	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1093	0.0	0.01	0.09	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-9.91e-03	83,89,96
	53.7	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1094	0.0	0.02	0.02	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-9.52e-03	-8.65e-03	-8.30e-03	83,89,96
	53.7	0.05	0.07	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1095	0.0	0.05	0.04	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-6.68e-03	-6.06e-03	-5.81e-03	83,89,96

	53.7	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1096	0.0	0.07	0.08	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-4.99e-04	-4.30e-04	-4.02e-04	83,89,96
	40.1	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1097	0.0	0.07	0.08	0.08	83,83,96	0.0	0.0	0.0	0,0,0	1.56e-03	1.45e-03	1.40e-03	83,89,96
	40.1	0.06	0.06	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1098	0.0	0.06	0.07	0.07	83,83,96	0.0	0.0	0.0	0,0,0	3.36e-03	3.09e-03	2.98e-03	83,89,96
	40.1	0.04	0.04	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1099	0.0	0.04	0.42	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	46.6	0.0	0.33	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1100	0.0	0.01	0.21	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	83,89,96
	46.6	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1101	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	46.6	0.02	0.09	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1102	0.0	0.03	0.03	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	46.6	0.06	0.09	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1103	0.0	0.06	0.06	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	46.6	0.08	0.09	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1104	0.0	0.08	0.07	0.10	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	46.6	0.09	0.09	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
1105	0.0	0.09	0.08	0.11	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	83,89,96
	46.6	0.09	0.08	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
1106	0.0	0.10	0.08	0.11	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-9.34e-03	-8.97e-03	83,89,96
	46.6	0.09	0.06	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
1107	0.0	0.04	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0	1.93e-03	1.65e-03	1.53e-03	83,89,96
	47.7	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1108	0.0	0.06	0.04	0.07	83,83,96	0.0	0.0	0.0	0,0,0	4.35e-03	3.87e-03	3.67e-03	83,89,96
	47.7	0.08	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1109	0.0	0.08	0.05	0.09	83,83,96	0.0	0.0	0.0	0,0,0	7.51e-03	6.78e-03	6.49e-03	83,89,96
	47.7	0.09	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
1110	0.0	0.09	0.05	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.01	0.01	9.65e-03	83,89,96
	47.7	0.09	0.05	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
1111	0.0	0.09	0.05	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	83,89,96
	47.7	0.08	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
1112	0.0	0.08	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1113	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1114	0.0	0.04	0.02	0.05	84,83,97	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.02	0.01	0.03	84,84,97	0.0	0.0	0.0	0,0,0				
1115	0.0	0.01	7.16e-03	0.02	84,84,97	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.04	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1116	0.0	0.03	0.09	0.03	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.05	0.12	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1117	0.0	0.04	0.04	0.04	83,84,96	0.0	0.0	0.0	0,0,0	-8.46e-03	-7.84e-03	-7.60e-03	83,89,96
	47.7	4.68e-03	4.13e-03	5.44e-03	83,82,96	0.0	0.0	0.0	0,0,0				
1118	0.0	0.01	9.09e-03	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-8.35e-03	-7.73e-03	-7.48e-03	83,89,96
	47.7	0.03	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1119	0.0	0.04	0.02	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-6.79e-03	-6.28e-03	-6.08e-03	83,89,96
	47.7	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1120	0.0	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-4.48e-03	-4.14e-03	-4.01e-03	83,89,96
	47.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1121	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-1.83e-03	-1.66e-03	-1.61e-03	84,90,97
	47.7	0.07	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1122	0.0	0.07	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0	1.12e-03	1.06e-03	1.04e-03	83,89,96
	47.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1123	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	3.79e-03	3.54e-03	3.44e-03	83,89,96
	47.7	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1124	0.0	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0	5.94e-03	5.54e-03	5.37e-03	83,89,96
	47.7	0.04	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1125	0.0	0.03	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0	7.29e-03	6.79e-03	6.59e-03	83,89,96
	47.7	0.02	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1126	0.0	0.01	6.24e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	6.63e-03	6.17e-03	5.99e-03	83,89,96
	47.7	0.04	0.02	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1127	0.0	0.07	0.29	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	47.7	0.0	0.21	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1128	0.0	0.04	0.11	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	47.7	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1129	0.0	9.50e-03	5.78e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	83,89,96
	47.7	0.03	0.03	0.04	84,83,97	0.0	0.0	0.0	0,0,0				
1130	0.0	0.03	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	47.7	0.06	0.04	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1131	0.0	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	47.7	0.08	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1132	0.0	0.08	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	83,89,96
	47.7	0.09	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
1133	0.0	0.09	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	83,89,96
	47.7	0.09	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
1134	0.0	0.09	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-9.57e-03	83,89,96
	47.7	0.08	0.05	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1135	0.0	0.08	0.05	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-7.95e-03	-7.09e-03	-6.75e-03	83,89,96
	47.7	0.06	0.04	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1136	0.0	0.06	0.04	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-5.42e-03	-4.80e-03	-4.55e-03	83,89,96
	47.7	0.04	0.03	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1137	0.0	0.07	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0	7.19e-04	7.09e-04	7.00e-04	82,91,95
	51.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1138	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	3.65e-03	3.45e-03	3.37e-03	83,89,96
	51.7	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1139	0.0	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0	5.97e-03	5.60e-03	5.45e-03	83,89,96
	51.7	0.03	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1140	0.0	0.02	0.01	0.03	83,83,96	0.0	0.0	0.0	0,0,0	7.44e-03	7.00e-03	6.83e-03	83,89,96
	51.7	0.03	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1141	0.0	0.02	0.03	0.03	83,82,96	0.0	0.0	0.0	0,0,0	5.87e-03	5.51e-03	5.36e-03	83,89,96
	51.7	0.06	0.08	0.07	83,84,96	0.0	0.0	0.0	0,0,0				
1142	0.0	0.02	9.99e-03	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-9.81e-03	83,89,96
	53.7	0.03	0.02	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1143	0.0	0.04	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-9.26e-03	-8.54e-03	-8.25e-03	83,89,96
	53.7	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1144	0.0	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-6.35e-03	-5.84e-03	-5.63e-03	83,89,96
	53.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1145	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.19e-04	-8.19e-04	-8.19e-04	81,87,94
	40.2	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				

1146	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.51e-03	-1.51e-03	-1.51e-03	81,87,94
	40.2	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1147	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.99e-04	-7.99e-04	-7.99e-04	81,87,94
	40.2	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1148	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.68e-04	-8.68e-04	-8.68e-04	81,87,94
	40.2	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1149	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.91e-04	-5.91e-04	-5.91e-04	81,87,94
	40.2	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1150	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.54e-04	-2.54e-04	-2.54e-04	81,87,94
	40.2	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1151	0.0	0.0	0.12	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.65e-03	-1.65e-03	-1.65e-03	81,87,94
	40.2	0.0	0.12	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1152	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.40e-03	-1.40e-03	-1.40e-03	81,87,94
	40.2	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1153	0.0	0.04	0.14	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.01	83,89,96
	47.7	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1154	0.0	0.01	6.99e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.01	83,89,96
	47.7	0.02	0.03	0.03	84,84,97	0.0	0.0	0.0	0,0,0				
1155	0.0	0.03	0.02	0.03	84,84,97	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	83,89,96
	47.7	0.05	0.04	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1156	0.0	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	83,89,96
	47.7	0.06	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1157	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-9.89e-03	-9.55e-03	83,89,96
	47.7	0.07	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1158	0.0	0.07	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-7.77e-03	-7.12e-03	-6.87e-03	83,89,96
	47.7	0.07	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1159	0.0	0.07	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-4.82e-03	-4.39e-03	-4.21e-03	83,89,96
	47.7	0.06	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1160	0.0	0.06	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-2.22e-03	-1.98e-03	-1.88e-03	83,89,96
	47.7	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1161	0.0	0.04	0.03	0.05	83,83,96	0.0	0.0	0.0	0,0,0	5.20e-04	4.54e-04	3.89e-04	82,91,95
	47.7	0.03	0.01	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1162	0.0	0.02	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0	8.71e-04	9.35e-04	8.77e-04	82,91,95
	47.7	0.02	0.01	0.02	84,84,97	0.0	0.0	0.0	0,0,0				
1163	0.0	0.03	0.05	0.03	83,84,96	0.0	0.0	0.0	0,0,0	-7.76e-03	-7.24e-03	-7.03e-03	83,89,96
	47.7	4.91e-03	0.02	4.15e-03	83,84,96	0.0	0.0	0.0	0,0,0				
1164	0.0	0.01	8.32e-03	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-7.41e-03	-6.91e-03	-6.71e-03	83,89,96
	47.7	0.04	0.03	0.04	83,84,96	0.0	0.0	0.0	0,0,0				
1165	0.0	0.04	0.02	0.05	83,83,96	0.0	0.0	0.0	0,0,0	-5.82e-03	-5.44e-03	-5.29e-03	83,89,96
	47.7	0.05	0.03	0.07	83,84,96	0.0	0.0	0.0	0,0,0				
1166	0.0	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-3.50e-03	-3.29e-03	-3.21e-03	83,89,96
	47.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1167	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-8.89e-04	-8.51e-04	-8.43e-04	84,90,97
	47.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1168	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	1.99e-03	1.82e-03	1.74e-03	83,89,96
	47.7	0.06	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1169	0.0	0.06	0.04	0.07	83,83,96	0.0	0.0	0.0	0,0,0	4.54e-03	4.19e-03	4.04e-03	83,89,96
	47.7	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1170	0.0	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0	6.53e-03	6.04e-03	5.84e-03	83,89,96
	47.7	0.03	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1171	0.0	0.02	0.01	0.03	83,83,96	0.0	0.0	0.0	0,0,0	7.74e-03	7.16e-03	6.92e-03	83,89,96
	47.7	0.02	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1172	0.0	0.01	0.01	0.02	83,82,96	0.0	0.0	0.0	0,0,0	6.84e-03	6.33e-03	6.13e-03	83,89,96
	47.7	0.04	0.06	0.05	83,84,96	0.0	0.0	0.0	0,0,0				
1173	0.0	0.04	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0	1.65e-03	1.32e-03	1.19e-03	83,89,96
	47.7	0.06	0.04	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1174	0.0	0.06	0.04	0.07	83,83,96	0.0	0.0	0.0	0,0,0	4.12e-03	3.58e-03	3.36e-03	83,89,96
	47.7	0.08	0.04	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1175	0.0	0.08	0.05	0.09	83,83,96	0.0	0.0	0.0	0,0,0	7.30e-03	6.51e-03	6.19e-03	83,89,96
	47.7	0.09	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
1176	0.0	0.09	0.05	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.01	9.78e-03	9.35e-03	83,89,96
	47.7	0.09	0.05	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
1177	0.0	0.09	0.05	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	83,89,96
	47.7	0.08	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
1178	0.0	0.08	0.05	0.10	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1179	0.0	0.06	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.05	0.03	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1180	0.0	0.04	0.02	0.05	84,83,97	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.02	0.01	0.02	84,84,97	0.0	0.0	0.0	0,0,0				
1181	0.0	9.48e-03	5.67e-03	0.01	82,82,95	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.04	0.02	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1182	0.0	0.03	0.10	0.03	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.05	0.14	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1183	0.0	0.01	0.25	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.01	83,89,96
	47.7	0.0	0.17	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1184	0.0	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	83,89,96
	47.7	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1185	0.0	0.02	0.03	0.02	83,83,96	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	83,89,96
	47.7	0.05	0.09	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1186	0.0	0.05	0.05	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	83,89,96
	47.7	0.07	0.09	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1187	0.0	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-0.01	-9.66e-03	-9.34e-03	83,89,96
	47.7	0.08	0.08	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1188	0.0	0.08	0.07	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-7.12e-03	-6.60e-03	-6.40e-03	83,89,96
	47.7	0.08	0.07	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1189	0.0	0.08	0.08	0.09	83,83,96	0.0	0.0	0.0	0,0,0	-3.81e-03	-3.58e-03	-3.48e-03	83,89,96
	47.7	0.07	0.06	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1190	0.0	0.06	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-9.53e-04	-9.52e-04	-9.51e-04	83,89,96
	47.7	0.04	0.03	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1191	0.0	0.04	0.05	0.05	83,83,96	0.0	0.0	0.0	0,0,0	1.23e-03	1.04e-03	9.78e-04	84,90,97
	47.7	0.01	6.68e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
1192	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.35e-03	1.18e-03	1.13e-03	84,90,97
	47.7	0.01	0.06	0.01	83,84,96	0.0	0.0	0.0	0,0,0				
1193	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.30e-03	-7.58e-03	-7.29e-03	83,89,96
	47.7	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1194	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.59e-03	-6.96e-03	-6.71e-03	83,89,96
	47.7	0.03	0.08	0.03	83,83,96	0.0	0.0	0.0	0,0,0				
1195	0.0	0.04	0.04	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-5.90e-03	-5.44e-03	-5.25e-03	83,89,96
	47.7	0.05	0.08	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1196	0.0	0.06	0.06	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-3.36e-03	-3.13e-03	-3.03e-03	83,89,96

	47.7	0.07	0.08	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1197	0.0	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0	-5.42e-04	-5.69e-04	-5.55e-04	84,93,97
	47.7	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1198	0.0	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0	2.57e-03	2.28e-03	2.16e-03	83,89,96
	47.7	0.06	0.05	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1199	0.0	0.06	0.06	0.07	83,83,96	0.0	0.0	0.0	0,0,0	5.18e-03	4.67e-03	4.46e-03	83,89,96
	47.7	0.04	0.03	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1200	0.0	0.04	0.05	0.04	83,83,96	0.0	0.0	0.0	0,0,0	7.03e-03	6.36e-03	6.09e-03	83,89,96
	47.7	9.82e-03	5.79e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0				
1201	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.62e-03	6.91e-03	6.63e-03	83,89,96
	47.7	0.03	0.08	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1202	0.0	0.0	0.16	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.05e-03	5.48e-03	5.25e-03	83,89,96
	47.7	0.04	0.21	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1203	0.0	0.03	0.05	0.03	83,83,96	0.0	0.0	0.0	0,0,0	2.92e-04	2.34e-04	-2.12e-04	83,89,96
	47.7	0.05	0.11	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1204	0.0	0.06	0.08	0.07	83,83,96	0.0	0.0	0.0	0,0,0	3.04e-03	2.72e-03	2.59e-03	83,89,96
	47.7	0.08	0.11	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1205	0.0	0.08	0.09	0.10	83,83,96	0.0	0.0	0.0	0,0,0	6.65e-03	6.00e-03	5.75e-03	83,89,96
	47.7	0.09	0.11	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
1206	0.0	0.09	0.10	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.01	9.64e-03	9.24e-03	83,89,96
	47.7	0.09	0.10	0.11	83,83,96	0.0	0.0	0.0	0,0,0				
1207	0.0	0.09	0.11	0.11	83,83,96	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	83,89,96
	47.7	0.08	0.09	0.10	83,83,96	0.0	0.0	0.0	0,0,0				
1208	0.0	0.08	0.10	0.10	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.06	0.07	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1209	0.0	0.06	0.09	0.07	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.03	0.04	0.04	83,83,96	0.0	0.0	0.0	0,0,0				
1210	0.0	0.02	0.08	0.03	83,83,96	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	1.95e-03	0.03	0.0	83,83,0	0.0	0.0	0.0	0,0,0				
1211	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.04	0.20	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1212	0.0	0.0	0.29	0.0	0,83,0	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	83,89,96
	47.7	0.08	0.39	0.09	83,83,96	0.0	0.0	0.0	0,0,0				
1213	0.0	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0	4.43e-03	4.04e-03	3.89e-03	84,90,97
	51.7	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1214	0.0	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0	7.22e-03	6.64e-03	6.41e-03	83,89,96
	51.7	0.04	0.02	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1215	0.0	0.04	0.02	0.05	83,83,96	0.0	0.0	0.0	0,0,0	9.16e-03	8.46e-03	8.18e-03	83,89,96
	51.7	0.02	0.01	0.02	83,83,96	0.0	0.0	0.0	0,0,0				
1216	0.0	8.58e-03	5.17e-03	0.01	83,83,96	0.0	0.0	0.0	0,0,0	9.22e-03	8.53e-03	8.27e-03	83,89,96
	51.7	0.04	0.03	0.05	83,84,96	0.0	0.0	0.0	0,0,0				
1217	0.0	0.03	0.10	0.03	83,84,96	0.0	0.0	0.0	0,0,0	7.70e-03	7.15e-03	6.93e-03	83,89,96
	51.7	0.07	0.15	0.08	83,84,96	0.0	0.0	0.0	0,0,0				
1218	0.0	0.07	0.07	0.08	83,83,96	0.0	0.0	0.0	0,0,0	4.64e-03	4.19e-03	4.00e-03	83,89,96
	51.7	0.06	0.05	0.07	83,83,96	0.0	0.0	0.0	0,0,0				
1219	0.0	0.06	0.06	0.07	83,83,96	0.0	0.0	0.0	0,0,0	7.71e-03	6.99e-03	6.70e-03	83,89,96
	51.7	0.04	0.02	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1220	0.0	0.04	0.05	0.04	83,83,96	0.0	0.0	0.0	0,0,0	9.73e-03	8.84e-03	8.48e-03	83,89,96
	51.7	5.27e-03	3.23e-03	6.40e-03	83,83,96	0.0	0.0	0.0	0,0,0				
1221	0.0	0.0	0.04	0.0	0,84,0	0.0	0.0	0.0	0,0,0	0.01	9.17e-03	8.80e-03	83,89,96
	51.7	0.04	0.12	0.05	83,83,96	0.0	0.0	0.0	0,0,0				
1222	0.0	0.0	0.21	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.64e-03	6.95e-03	6.67e-03	83,89,96
	51.7	0.05	0.27	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1223	0.0	9.38e-03	5.75e-03	9.83e-03	83,83,96	0.0	0.0	0.0	0,0,0	-7.18e-03	-6.71e-03	-6.53e-03	83,89,96
	53.7	0.03	0.03	0.04	83,84,96	0.0	0.0	0.0	0,0,0				
1224	0.0	0.04	0.02	0.04	83,83,96	0.0	0.0	0.0	0,0,0	-5.24e-03	-4.93e-03	-4.81e-03	83,89,96
	53.7	0.06	0.04	0.07	83,84,96	0.0	0.0	0.0	0,0,0				
1225	0.0	0.06	0.03	0.07	83,83,96	0.0	0.0	0.0	0,0,0	-2.24e-03	-2.16e-03	-2.12e-03	83,89,96
	53.7	0.07	0.04	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
1226	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.31e-03	-6.67e-03	-6.41e-03	83,89,96
	53.7	0.01	0.09	9.68e-03	84,83,97	0.0	0.0	0.0	0,0,0				
1227	0.0	0.03	0.03	0.03	83,83,96	0.0	0.0	0.0	0,0,0	-5.71e-03	-5.24e-03	-5.05e-03	83,89,96
	53.7	0.05	0.08	0.06	83,83,96	0.0	0.0	0.0	0,0,0				
1228	0.0	0.06	0.06	0.06	83,83,96	0.0	0.0	0.0	0,0,0	-2.59e-03	-2.41e-03	-2.33e-03	83,89,96
	53.7	0.07	0.08	0.08	83,83,96	0.0	0.0	0.0	0,0,0				
Trave		**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**		**dR**	**dF**	**dP**	
		0.35	0.61	0.41		0.19	0.18	0.18		0.21	0.53	0.52	

VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A.

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata.*

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok e NV,** il rapporto x/d, la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.

Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per

pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.
Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale
La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.
Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.
Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattorei di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione "*Singolo Elemento* …" è presente una tabella con i simboli di seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento
Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Per gli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*" è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)

Prog. composta	Sigla per la progettazione composta

Per le verifiche degli elementi con progettazione "*Singolo Elemento …*" e *Progettazione Composta* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e\o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx Mx Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella con le verifiche per gli elementi con progettazione "*Singolo Elemento …*", è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

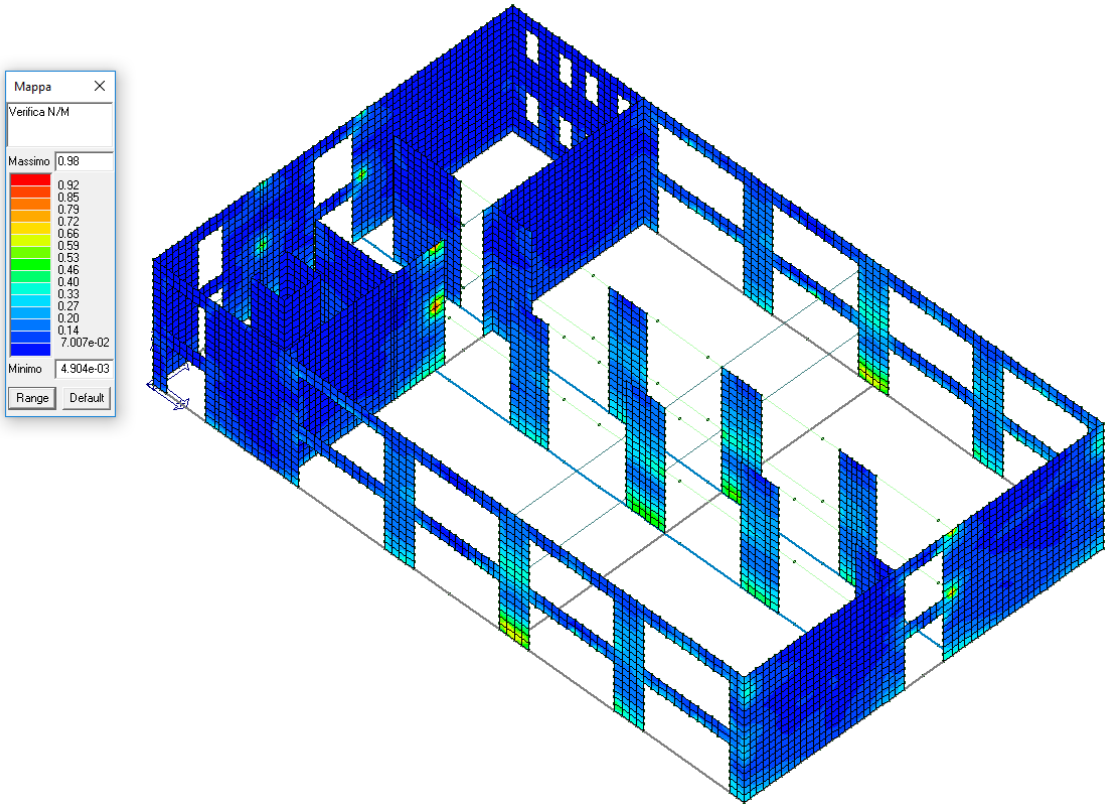
Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature
Incli.	Angolo di inclinazione delle armature
Dist.	Distanza alla base tra le armature inclinate

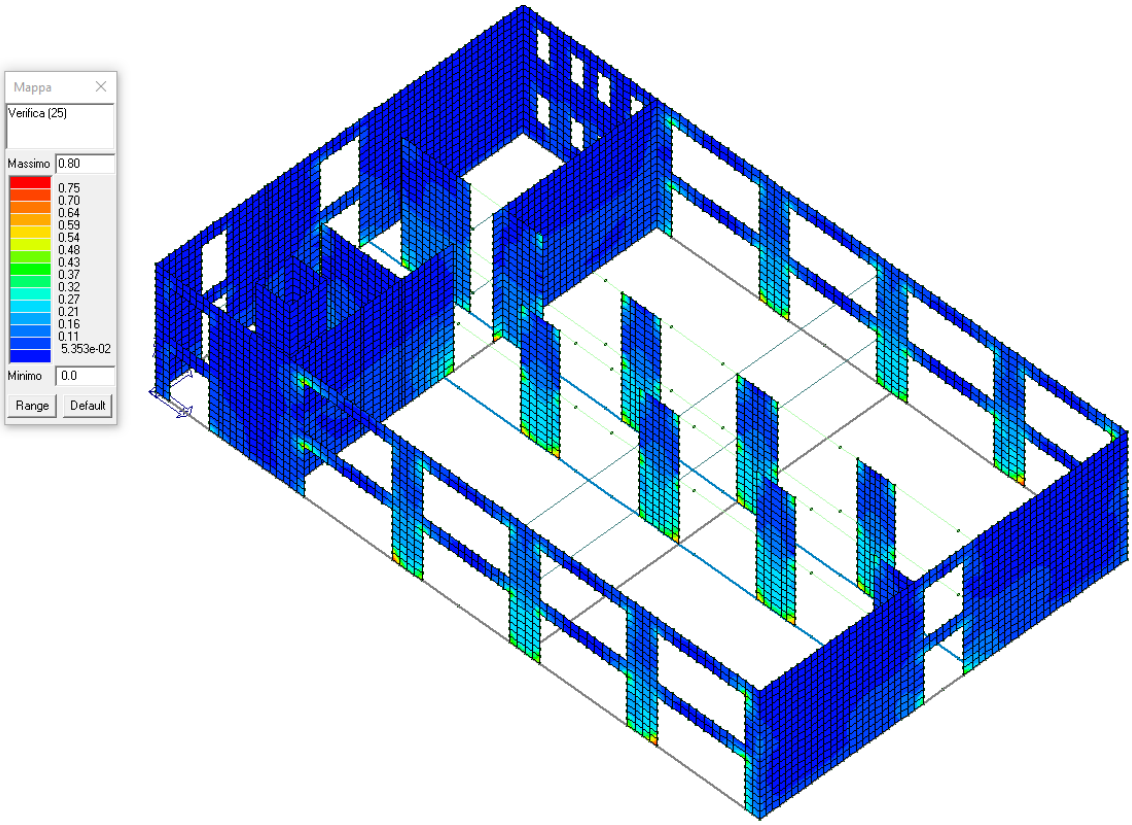
Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato Ned/(bw fyd)

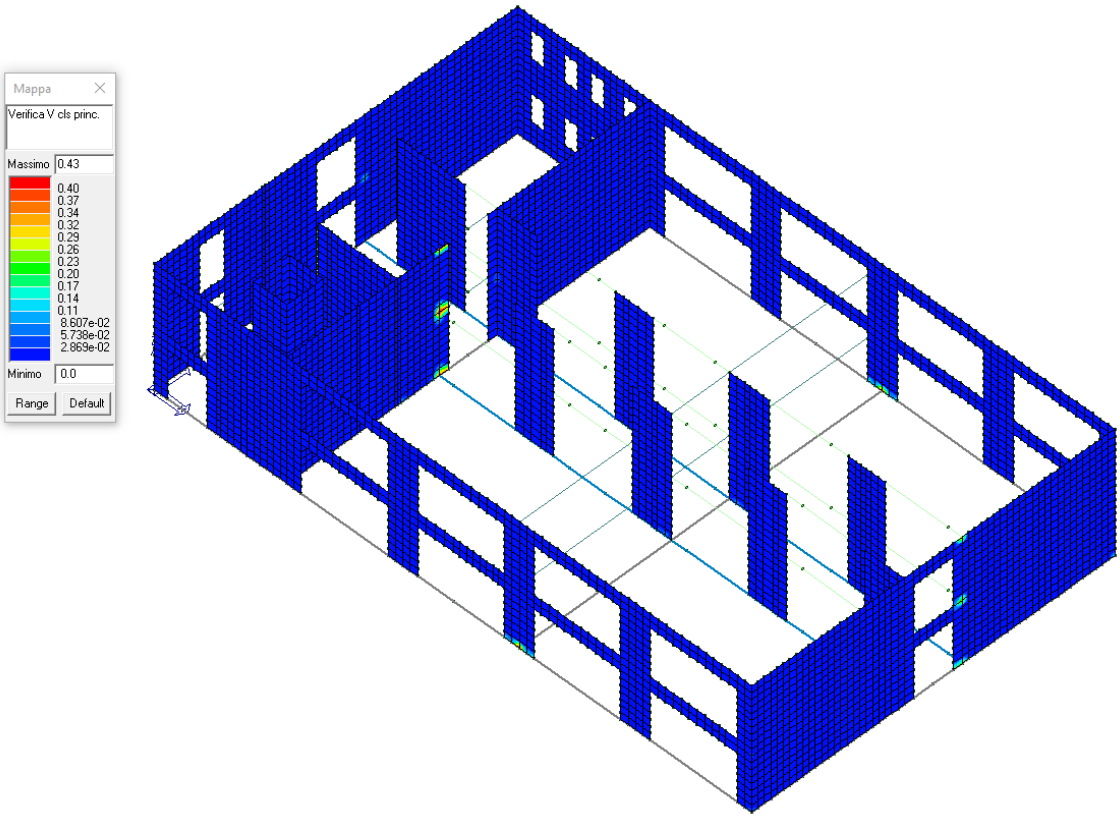
Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

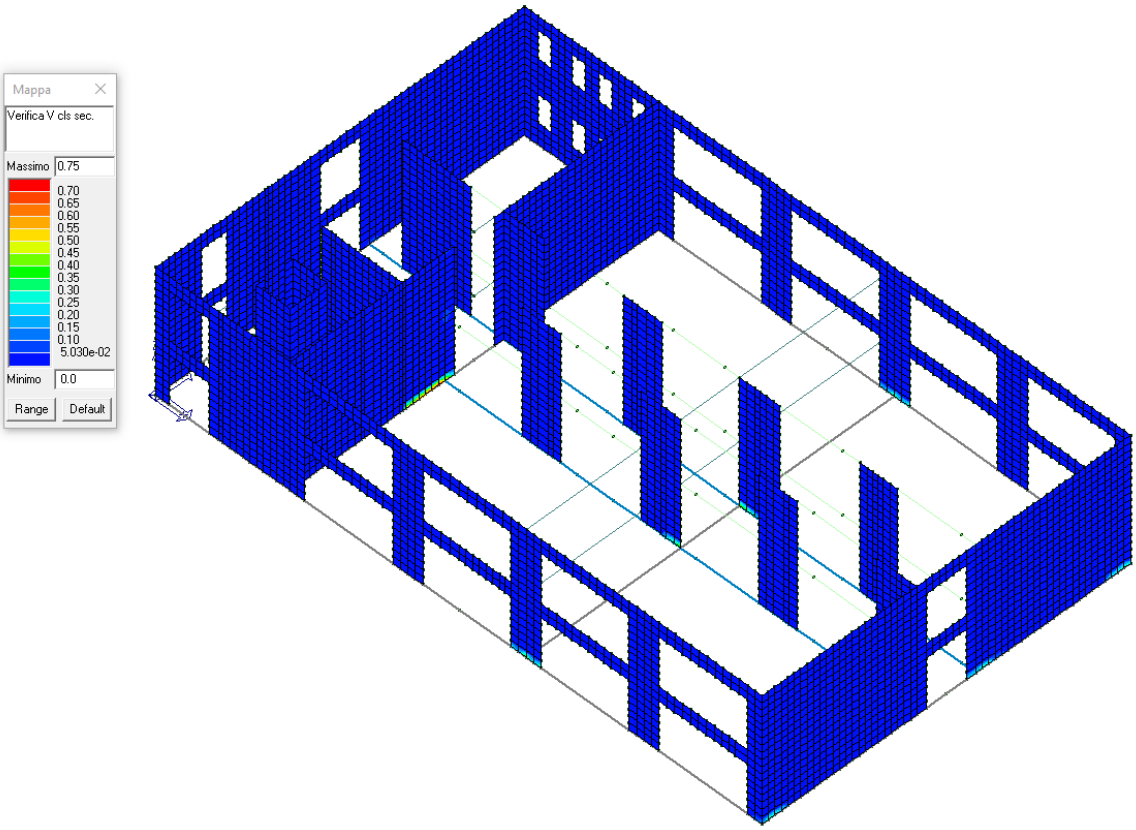
Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)

Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

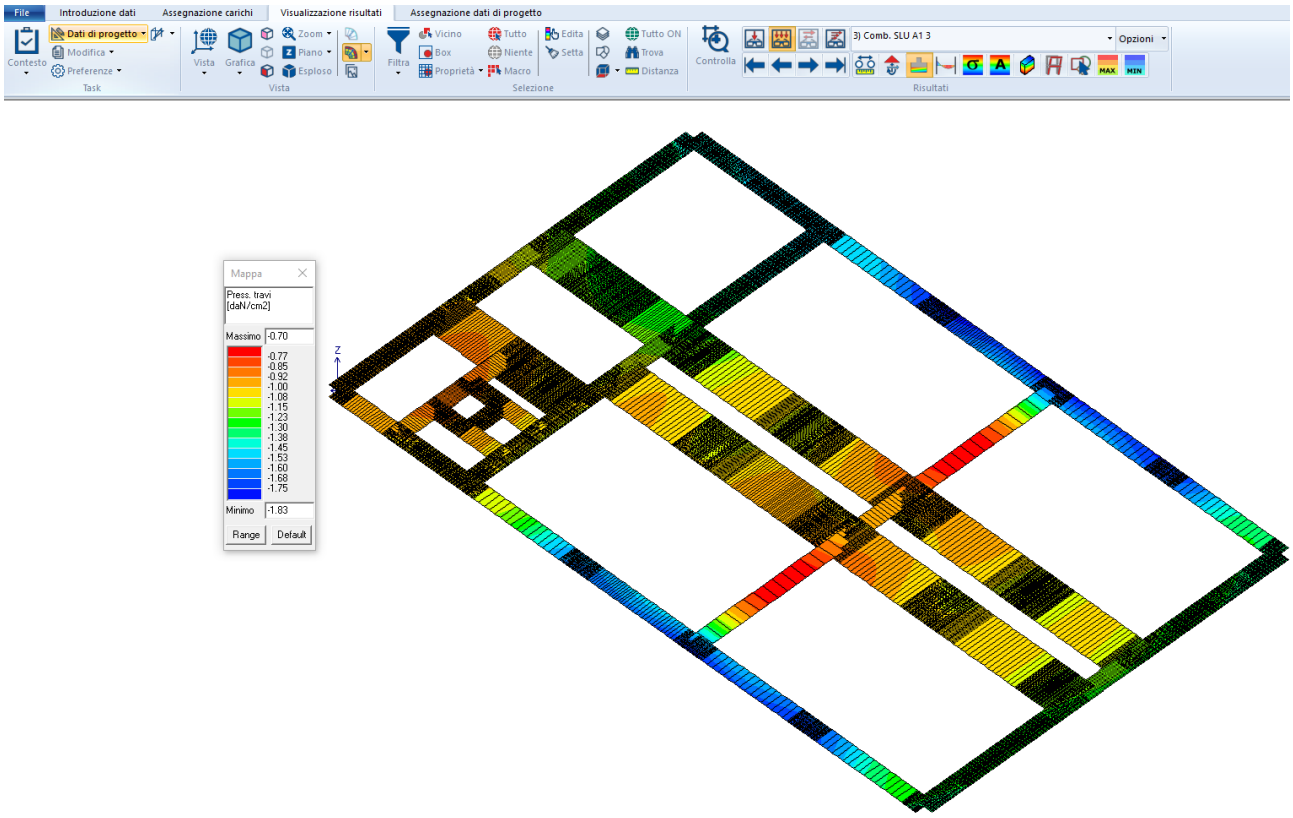


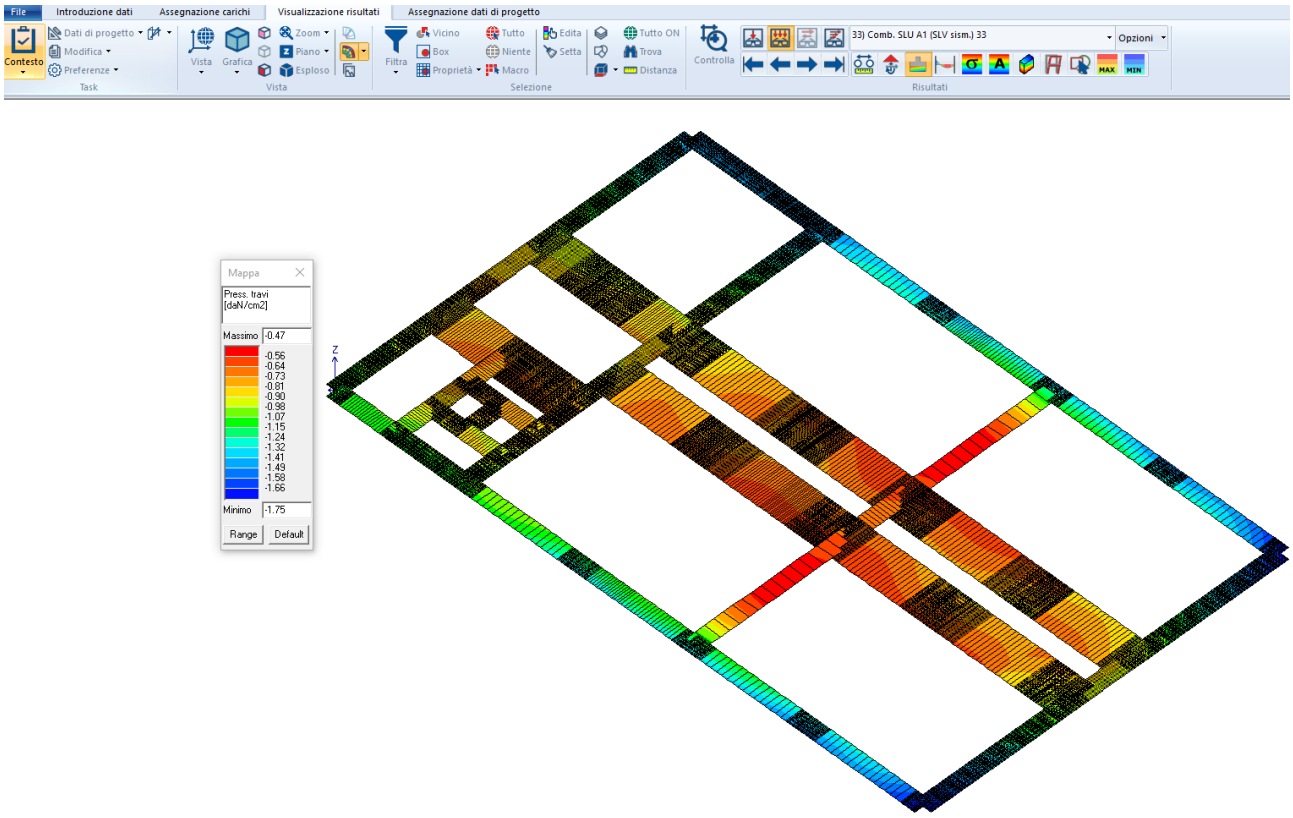



Mappa
Verifica V cls princ.
Massimo 0.43
0.40
0.37
0.34
0.32
0.29
0.26
0.23
0.20
0.17
0.14
0.11
8.607e-02
5.738e-02
2.869e-02
Minimo 0.0
Range
Default


Mappa
Verifica V cls sec.
Massimo 0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
5.030e-02
Minimo 0.0
Range
Default

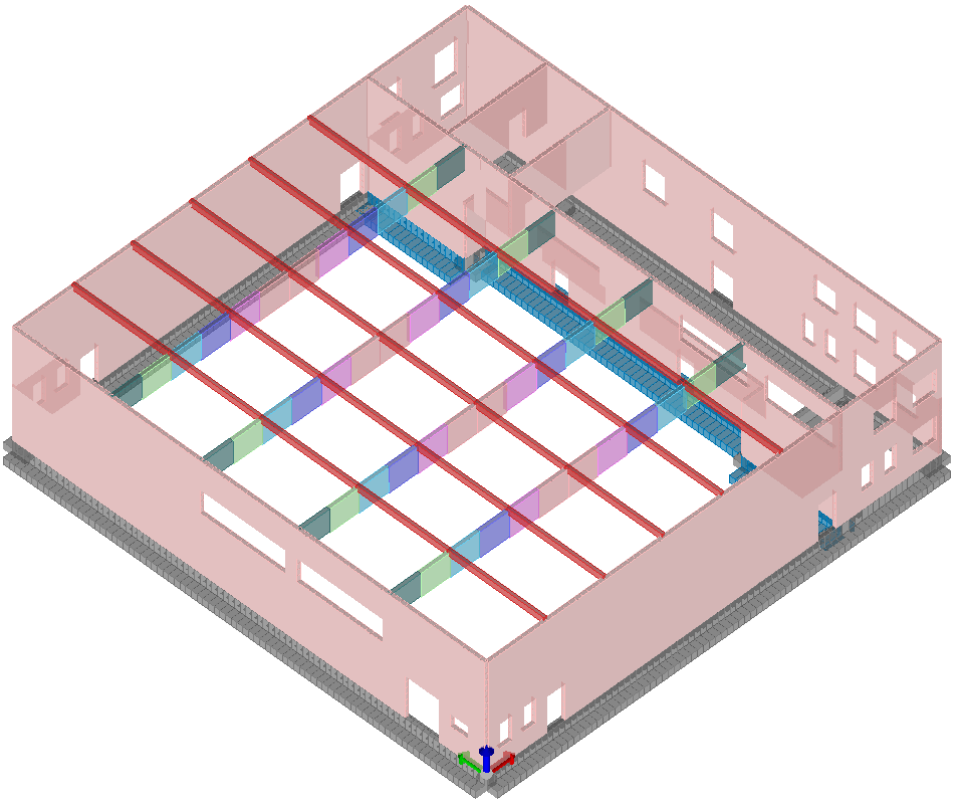
RELAZIONE SULLE FONDAZIONI



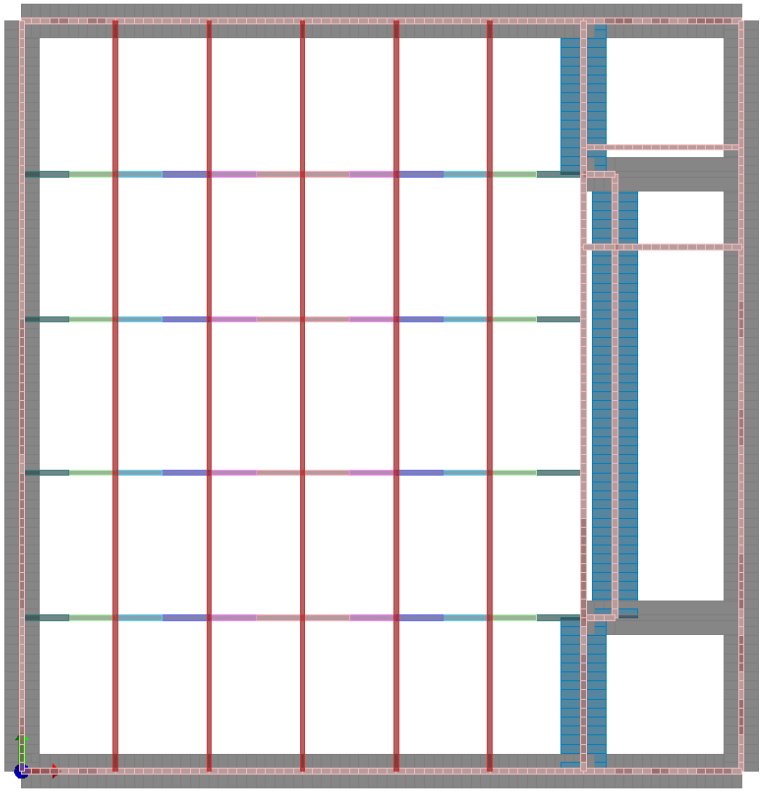


La tensione massima sul terreno, 0.185 Mpa è comunque inferiore a quella di riferimento 0.25 MPa

7 VERIFICA DELLE STRUTTURE DELLA PALESTRA



Vista tridimensionale dello scheletro delle strutture



Vista dall'alto dello scheletro delle strutture

CARATTERISTICHE MATERIALI UTILIZZATI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale
Poisson	coefficiente di contrazione trasversale
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	cemento armato		
		Rck	resistenza caratteristica cubica
		Fctm	resistenza media a trazione semplice
2	acciaio		
		Ft	tensione di rottura a trazione
		Fy	tensione di snervamento
		Fd	resistenza di calcolo
		Fdt	resistenza di calcolo per spess. t>40 mm
		Sadm	tensione ammissibile
		Sadmt	tensione ammissibile per spess. t>40 mm
3	muratura		
		Resist. Fk	resistenza caratteristica a compressione
		Resist. Fvko	resistenza caratteristica a taglio
4	legno		
		Resist. fc0k	Resistenza caratteristica (tensione amm. per REGLES) per compressione
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
58	Legno lamellare omogeneo GL28h E = 1.260e+05			1.260e+05	0.0	6500.0	4.60e-04	0.0	
	Modulo E0,05			1.050e+05					
	Lamellare : Si								

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
	Resistenza fc0	280.0							
	Resistenza ft0	223.0							
	Resistenza fm	280.0							
	Resistenza fv	35.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

MODELLAZIONE DELLE SEZIONI

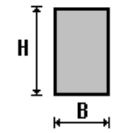
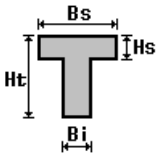
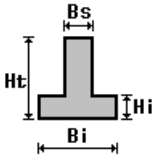
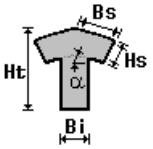
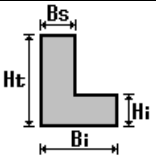
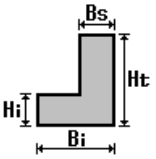
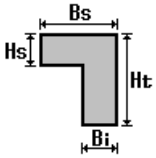
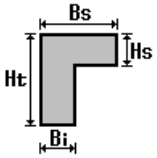
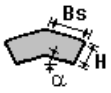
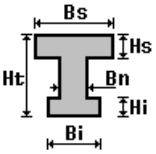
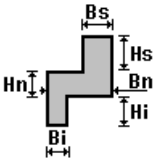
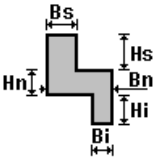
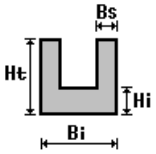
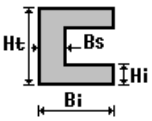
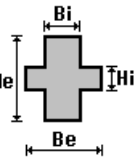
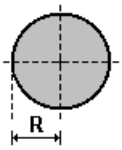
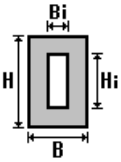
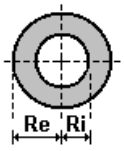
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

4. sezione di tipo generico
5. profilati semplici
6. profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

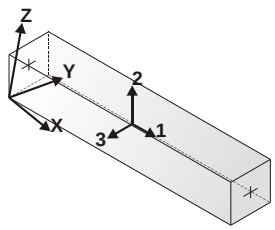
 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilatari.
Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

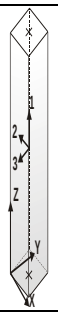
Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	T rovescia: bi=150 ht=125 bs=25 hi=50	9375.00	0.0	0.0	5.507e+06	1.416e+07	8.301e+06	1.888e+05	9.487e+04	2.930e+05	2.051e+05
2	T rovescia: bi=200 ht=125 bs=25 hi=50	1.188e+04	0.0	0.0	7.590e+06	3.343e+07	9.130e+06	3.343e+05	1.013e+05	5.117e+05	2.378e+05
3	Rettangolare: b=24 h=160	3840.00	3200.00	3200.00	6.676e+05	1.843e+05	8.192e+06	1.536e+04	1.024e+05	2.304e+04	1.536e+05
4	Rettangolare: b=24 h=168	4032.00	3360.00	3360.00	7.045e+05	1.935e+05	9.483e+06	1.613e+04	1.129e+05	2.419e+04	1.693e+05
5	Rettangolare: b=24 h=176	4224.00	3520.00	3520.00	7.413e+05	2.028e+05	1.090e+07	1.690e+04	1.239e+05	2.534e+04	1.859e+05
6	Rettangolare: b=24 h=184	4416.00	3680.00	3680.00	7.782e+05	2.120e+05	1.246e+07	1.766e+04	1.354e+05	2.650e+04	2.031e+05
7	Rettangolare: b=24 h=192	4608.00	3840.00	3840.00	8.151e+05	2.212e+05	1.416e+07	1.843e+04	1.475e+05	2.765e+04	2.212e+05
8	Rettangolare: b=24 h=200	4800.00	4000.00	4000.00	8.519e+05	2.304e+05	1.600e+07	1.920e+04	1.600e+05	2.880e+04	2.400e+05
9	Rettangolare: b=20 h=40	800.00	666.67	666.67	7.307e+04	2.667e+04	1.067e+05	2666.67	5333.33	4000.00	8000.00
10	Rettangolare: b=100 h=10	1000.00	833.33	833.33	3.123e+04	8.333e+05	8333.33	1.667e+04	1666.67	2.500e+04	2500.00
11	Rettangolare: b=25 h=50	1250.00	1041.67	1041.67	1.784e+05	6.510e+04	2.604e+05	5208.33	1.042e+04	7812.50	1.563e+04
12	Rettangolare: b=25 h=36	900.00	750.00	750.00	1.071e+05	4.688e+04	9.720e+04	3750.00	5400.00	5625.00	8100.00
13	Rettangolare: b=25 h=120	3000.00	2500.00	2500.00	5.430e+05	1.563e+05	3.600e+06	1.250e+04	6.000e+04	1.875e+04	9.000e+04

MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.
Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per

	gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave f.	1	29	1	1				4.00	1.00
2	Trave f.	1	2050	1	1				4.00	1.00
3	Trave f.	2	2886	1	1				4.00	1.00
4	Trave f.	3	1452	1	1				4.00	1.00
5	Trave f.	5	3305	1	1				4.00	1.00
6	Trave f.	6	3334	1	1				4.00	1.00
7	Trave f.	5	3218	1	2				4.00	1.00
8	Trave f.	7	3276	1	1				4.00	1.00
9	Trave f.	9	4144	1	2				4.00	1.00
10	Trave f.	8	3248	1	1				4.00	1.00
11	Trave f.	8	2893	1	2				4.00	1.00
12	Trave f.	10	11	1	1				4.00	1.00
13	Trave f.	9	12	1	1				4.00	1.00
14	Trave f.	11	2226	1	1				4.00	1.00
15	Trave f.	12	2716	1	1				4.00	1.00
16	Trave f.	29	46	1	1				4.00	1.00
17	Trave f.	1463	5	1	1				4.00	1.00
18	Trave f.	2736	12	1	1				4.00	1.00
19	Trave f.	865	6	1	1				4.00	1.00
20	Trave f.	2076	4	1	1				4.00	1.00
21	Trave f.	2246	11	1	1				4.00	1.00
22	Trave f.	1480	1463	1	1				4.00	1.00
23	Trave f.	2746	2736	1	1				4.00	1.00
24	Trave f.	882	865	1	1				4.00	1.00
25	Trave f.	2086	2076	1	1				4.00	1.00
26	Trave f.	2256	2246	1	1				4.00	1.00
27	Trave f.	46	56	1	1				4.00	1.00
28	Trave f.	1490	1480	1	1				4.00	1.00
29	Trave f.	2756	2746	1	1				4.00	1.00
30	Trave f.	892	882	1	1				4.00	1.00
31	Trave f.	2096	2086	1	1				4.00	1.00
32	Trave f.	2266	2256	1	1				4.00	1.00
33	Trave f.	56	66	1	1				4.00	1.00
34	Trave f.	1500	1490	1	1				4.00	1.00
35	Trave f.	2766	2756	1	1				4.00	1.00
36	Trave f.	902	892	1	1				4.00	1.00
37	Trave f.	2106	2096	1	1				4.00	1.00
38	Trave f.	2276	2266	1	1				4.00	1.00
39	Trave f.	66	76	1	1				4.00	1.00
40	Trave f.	1510	1500	1	1				4.00	1.00
41	Trave f.	2776	2766	1	1				4.00	1.00
42	Trave f.	912	902	1	1				4.00	1.00
43	Trave f.	2116	2106	1	1				4.00	1.00
44	Trave f.	2286	2276	1	1				4.00	1.00
45	Trave f.	76	86	1	1				4.00	1.00
46	Trave f.	1520	1510	1	1				4.00	1.00
47	Trave f.	2786	2776	1	1				4.00	1.00
48	Trave f.	922	912	1	1				4.00	1.00
49	Trave f.	2126	2116	1	1				4.00	1.00
50	Trave f.	2296	2286	1	1				4.00	1.00
51	Trave f.	86	96	1	1				4.00	1.00
52	Trave f.	1530	1520	1	1				4.00	1.00
53	Trave f.	2796	2786	1	1				4.00	1.00
54	Trave f.	932	922	1	1				4.00	1.00
55	Trave f.	2136	2126	1	1				4.00	1.00
56	Trave f.	2306	2296	1	1				4.00	1.00
57	Trave f.	96	106	1	1				4.00	1.00
58	Trave f.	1540	1530	1	1				4.00	1.00
59	Trave f.	2806	2796	1	1				4.00	1.00
60	Trave f.	942	932	1	1				4.00	1.00
61	Trave f.	2146	2136	1	1				4.00	1.00
62	Trave f.	2316	2306	1	1				4.00	1.00
63	Trave f.	106	116	1	1				4.00	1.00
64	Trave f.	1550	1540	1	1				4.00	1.00
65	Trave f.	2816	2806	1	1				4.00	1.00
66	Trave f.	952	942	1	1				4.00	1.00
67	Trave f.	2156	2146	1	1				4.00	1.00
68	Trave f.	2326	2316	1	1				4.00	1.00
69	Trave f.	116	126	1	1				4.00	1.00
70	Trave f.	1560	1550	1	1				4.00	1.00
71	Trave f.	2826	2816	1	1				4.00	1.00
72	Trave f.	962	952	1	1				4.00	1.00
73	Trave f.	2166	2156	1	1				4.00	1.00
74	Trave f.	2336	2326	1	1				4.00	1.00
75	Trave f.	126	136	1	1				4.00	1.00
76	Trave f.	1570	1560	1	1				4.00	1.00
77	Trave f.	2836	2826	1	1				4.00	1.00
78	Trave f.	972	962	1	1				4.00	1.00
79	Trave f.	2176	2166	1	1				4.00	1.00

80	Trave f.	2346	2336	1	1	4.00	1.00
81	Trave f.	136	146	1	1	4.00	1.00
82	Trave f.	1580	1570	1	1	4.00	1.00
83	Trave f.	2846	2836	1	1	4.00	1.00
84	Trave f.	982	972	1	1	4.00	1.00
85	Trave f.	2186	2176	1	1	4.00	1.00
86	Trave f.	2356	2346	1	1	4.00	1.00
87	Trave f.	146	156	1	1	4.00	1.00
88	Trave f.	1590	1580	1	1	4.00	1.00
89	Trave f.	2856	2846	1	1	4.00	1.00
90	Trave f.	992	982	1	1	4.00	1.00
91	Trave f.	2196	2186	1	1	4.00	1.00
92	Trave f.	2366	2356	1	1	4.00	1.00
93	Trave f.	156	166	1	1	4.00	1.00
94	Trave f.	1600	1590	1	1	4.00	1.00
95	Trave f.	2866	2856	1	1	4.00	1.00
96	Trave f.	1002	992	1	1	4.00	1.00
97	Trave f.	2206	2196	1	1	4.00	1.00
98	Trave f.	2376	2366	1	1	4.00	1.00
99	Trave f.	166	176	1	1	4.00	1.00
100	Trave f.	1610	1600	1	1	4.00	1.00
101	Trave f.	2876	2866	1	1	4.00	1.00
102	Trave f.	1012	1002	1	1	4.00	1.00
103	Trave f.	2216	2206	1	1	4.00	1.00
104	Trave f.	2386	2376	1	1	4.00	1.00
105	Trave f.	176	186	1	1	4.00	1.00
106	Trave f.	1620	1610	1	1	4.00	1.00
107	Trave f.	2886	2876	1	1	4.00	1.00
108	Trave f.	1022	1012	1	1	4.00	1.00
109	Trave f.	2226	2216	1	1	4.00	1.00
110	Trave f.	2396	2386	1	1	4.00	1.00
111	Trave f.	186	196	1	1	4.00	1.00
112	Trave f.	1630	1620	1	1	4.00	1.00
113	Trave f.	1032	1022	1	1	4.00	1.00
114	Trave f.	2406	2396	1	1	4.00	1.00
115	Trave f.	196	206	1	1	4.00	1.00
116	Trave f.	1640	1630	1	1	4.00	1.00
117	Trave f.	1042	1032	1	1	4.00	1.00
118	Trave f.	2416	2406	1	1	4.00	1.00
119	Trave f.	206	216	1	1	4.00	1.00
120	Trave f.	1650	1640	1	1	4.00	1.00
121	Trave f.	1052	1042	1	1	4.00	1.00
122	Trave f.	2426	2416	1	1	4.00	1.00
123	Trave f.	216	226	1	1	4.00	1.00
124	Trave f.	1660	1650	1	1	4.00	1.00
125	Trave f.	1062	1052	1	1	4.00	1.00
126	Trave f.	2436	2426	1	1	4.00	1.00
127	Trave f.	226	236	1	1	4.00	1.00
128	Trave f.	1670	1660	1	1	4.00	1.00
129	Trave f.	1072	1062	1	1	4.00	1.00
130	Trave f.	2446	2436	1	1	4.00	1.00
131	Trave f.	236	246	1	1	4.00	1.00
132	Trave f.	1680	1670	1	1	4.00	1.00
133	Trave f.	1082	1072	1	1	4.00	1.00
134	Trave f.	2456	2446	1	1	4.00	1.00
135	Trave f.	246	256	1	1	4.00	1.00
136	Trave f.	1690	1680	1	1	4.00	1.00
137	Trave f.	1092	1082	1	1	4.00	1.00
138	Trave f.	2466	2456	1	1	4.00	1.00
139	Trave f.	256	266	1	1	4.00	1.00
140	Trave f.	1700	1690	1	1	4.00	1.00
141	Trave f.	1102	1092	1	1	4.00	1.00
142	Trave f.	2476	2466	1	1	4.00	1.00
143	Trave f.	266	276	1	1	4.00	1.00
144	Trave f.	1710	1700	1	1	4.00	1.00
145	Trave f.	1112	1102	1	1	4.00	1.00
146	Trave f.	2486	2476	1	1	4.00	1.00
147	Trave f.	276	286	1	1	4.00	1.00
148	Trave f.	1720	1710	1	1	4.00	1.00
149	Trave f.	1122	1112	1	1	4.00	1.00
150	Trave f.	2496	2486	1	1	4.00	1.00
151	Trave f.	286	296	1	1	4.00	1.00
152	Trave f.	1730	1720	1	1	4.00	1.00
153	Trave f.	1132	1122	1	1	4.00	1.00
154	Trave f.	2506	2496	1	1	4.00	1.00
155	Trave f.	296	306	1	1	4.00	1.00
156	Trave f.	1740	1730	1	1	4.00	1.00
157	Trave f.	1142	1132	1	1	4.00	1.00
158	Trave f.	2516	2506	1	1	4.00	1.00
159	Trave f.	306	316	1	1	4.00	1.00
160	Trave f.	1750	1740	1	1	4.00	1.00
161	Trave f.	1152	1142	1	1	4.00	1.00
162	Trave f.	2526	2516	1	1	4.00	1.00
163	Trave f.	316	326	1	1	4.00	1.00
164	Trave f.	1760	1750	1	1	4.00	1.00
165	Trave f.	1162	1152	1	1	4.00	1.00
166	Trave f.	2536	2526	1	1	4.00	1.00
167	Trave f.	326	336	1	1	4.00	1.00
168	Trave f.	1770	1760	1	1	4.00	1.00
169	Trave f.	1172	1162	1	1	4.00	1.00
170	Trave f.	2546	2536	1	1	4.00	1.00
171	Trave f.	336	346	1	1	4.00	1.00
172	Trave f.	1780	1770	1	1	4.00	1.00
173	Trave f.	1182	1172	1	1	4.00	1.00
174	Trave f.	2556	2546	1	1	4.00	1.00
175	Trave f.	346	356	1	1	4.00	1.00
176	Trave f.	1790	1780	1	1	4.00	1.00
177	Trave f.	1192	1182	1	1	4.00	1.00
178	Trave f.	2566	2556	1	1	4.00	1.00
179	Trave f.	356	366	1	1	4.00	1.00
180	Trave f.	1800	1790	1	1	4.00	1.00

181	Trave f.	1202	1192	1	1	4.00	1.00
182	Trave f.	2576	2566	1	1	4.00	1.00
183	Trave f.	366	376	1	1	4.00	1.00
184	Trave f.	1810	1800	1	1	4.00	1.00
185	Trave f.	1212	1202	1	1	4.00	1.00
186	Trave f.	2586	2576	1	1	4.00	1.00
187	Trave f.	376	386	1	1	4.00	1.00
188	Trave f.	1820	1810	1	1	4.00	1.00
189	Trave f.	1222	1212	1	1	4.00	1.00
190	Trave f.	2596	2586	1	1	4.00	1.00
191	Trave f.	386	396	1	1	4.00	1.00
192	Trave f.	1830	1820	1	1	4.00	1.00
193	Trave f.	1232	1222	1	1	4.00	1.00
194	Trave f.	2606	2596	1	1	4.00	1.00
195	Trave f.	396	406	1	1	4.00	1.00
196	Trave f.	1840	1830	1	1	4.00	1.00
197	Trave f.	1242	1232	1	1	4.00	1.00
198	Trave f.	2616	2606	1	1	4.00	1.00
199	Trave f.	406	416	1	1	4.00	1.00
200	Trave f.	1850	1840	1	1	4.00	1.00
201	Trave f.	1252	1242	1	1	4.00	1.00
202	Trave f.	2626	2616	1	1	4.00	1.00
203	Trave f.	416	426	1	1	4.00	1.00
204	Trave f.	1860	1850	1	1	4.00	1.00
205	Trave f.	1262	1252	1	1	4.00	1.00
206	Trave f.	2636	2626	1	1	4.00	1.00
207	Trave f.	426	436	1	1	4.00	1.00
208	Trave f.	1870	1860	1	1	4.00	1.00
209	Trave f.	1272	1262	1	1	4.00	1.00
210	Trave f.	2646	2636	1	1	4.00	1.00
211	Trave f.	436	446	1	1	4.00	1.00
212	Trave f.	1880	1870	1	1	4.00	1.00
213	Trave f.	1282	1272	1	1	4.00	1.00
214	Trave f.	2656	2646	1	1	4.00	1.00
215	Trave f.	446	456	1	1	4.00	1.00
216	Trave f.	1890	1880	1	1	4.00	1.00
217	Trave f.	1292	1282	1	1	4.00	1.00
218	Trave f.	2666	2656	1	1	4.00	1.00
219	Trave f.	456	466	1	1	4.00	1.00
220	Trave f.	1900	1890	1	1	4.00	1.00
221	Trave f.	1302	1292	1	1	4.00	1.00
222	Trave f.	2676	2666	1	1	4.00	1.00
223	Trave f.	466	476	1	1	4.00	1.00
224	Trave f.	1910	1900	1	1	4.00	1.00
225	Trave f.	1312	1302	1	1	4.00	1.00
226	Trave f.	2686	2676	1	1	4.00	1.00
227	Trave f.	476	486	1	1	4.00	1.00
228	Trave f.	1920	1910	1	1	4.00	1.00
229	Trave f.	1322	1312	1	1	4.00	1.00
230	Trave f.	2696	2686	1	1	4.00	1.00
231	Trave f.	486	496	1	1	4.00	1.00
232	Trave f.	1930	1920	1	1	4.00	1.00
233	Trave f.	1332	1322	1	1	4.00	1.00
234	Trave f.	2706	2696	1	1	4.00	1.00
235	Trave f.	496	506	1	1	4.00	1.00
236	Trave f.	1940	1930	1	1	4.00	1.00
237	Trave f.	1342	1332	1	1	4.00	1.00
238	Trave f.	2716	2706	1	1	4.00	1.00
239	Trave f.	506	516	1	1	4.00	1.00
240	Trave f.	1950	1940	1	1	4.00	1.00
241	Trave f.	1352	1342	1	1	4.00	1.00
242	Trave f.	516	526	1	1	4.00	1.00
243	Trave f.	1960	1950	1	1	4.00	1.00
244	Trave f.	1362	1352	1	1	4.00	1.00
245	Trave f.	526	536	1	1	4.00	1.00
246	Trave f.	1970	1960	1	1	4.00	1.00
247	Trave f.	1372	1362	1	1	4.00	1.00
248	Trave f.	536	546	1	1	4.00	1.00
249	Trave f.	1980	1970	1	1	4.00	1.00
250	Trave f.	1382	1372	1	1	4.00	1.00
251	Trave f.	546	556	1	1	4.00	1.00
252	Trave f.	1990	1980	1	1	4.00	1.00
253	Trave f.	1392	1382	1	1	4.00	1.00
254	Trave f.	556	566	1	1	4.00	1.00
255	Trave f.	2000	1990	1	1	4.00	1.00
256	Trave f.	1402	1392	1	1	4.00	1.00
257	Trave f.	566	576	1	1	4.00	1.00
258	Trave f.	2010	2000	1	1	4.00	1.00
259	Trave f.	1412	1402	1	1	4.00	1.00
260	Trave f.	576	586	1	1	4.00	1.00
261	Trave f.	2020	2010	1	1	4.00	1.00
262	Trave f.	1422	1412	1	1	4.00	1.00
263	Trave f.	586	596	1	1	4.00	1.00
264	Trave f.	2030	2020	1	1	4.00	1.00
265	Trave f.	1432	1422	1	1	4.00	1.00
266	Trave f.	596	606	1	1	4.00	1.00
267	Trave f.	2040	2030	1	1	4.00	1.00
268	Trave f.	1442	1432	1	1	4.00	1.00
269	Trave f.	606	616	1	1	4.00	1.00
270	Trave f.	2050	2040	1	1	4.00	1.00
271	Trave f.	1452	1442	1	1	4.00	1.00
272	Trave f.	616	626	1	1	4.00	1.00
273	Trave f.	626	636	1	1	4.00	1.00
274	Trave f.	636	646	1	1	4.00	1.00
275	Trave f.	646	656	1	1	4.00	1.00
276	Trave f.	656	666	1	1	4.00	1.00
277	Trave f.	666	676	1	1	4.00	1.00
278	Trave f.	676	686	1	1	4.00	1.00
279	Trave f.	686	696	1	1	4.00	1.00
280	Trave f.	696	706	1	1	4.00	1.00
281	Trave f.	706	716	1	1	4.00	1.00

282	Trave f.	716	726	1	1	4.00	1.00
283	Trave f.	726	736	1	1	4.00	1.00
284	Trave f.	736	746	1	1	4.00	1.00
285	Trave f.	746	756	1	1	4.00	1.00
286	Trave f.	756	766	1	1	4.00	1.00
287	Trave f.	766	776	1	1	4.00	1.00
288	Trave f.	776	786	1	1	4.00	1.00
289	Trave f.	786	796	1	1	4.00	1.00
290	Trave f.	796	806	1	1	4.00	1.00
291	Trave f.	806	816	1	1	4.00	1.00
292	Trave f.	816	826	1	1	4.00	1.00
293	Trave f.	826	836	1	1	4.00	1.00
294	Trave f.	836	846	1	1	4.00	1.00
295	Trave f.	846	3	1	1	4.00	1.00
296	Trave f.	3228	3344	1	1	4.00	1.00
297	Trave f.	3227	3474	1	1	4.00	1.00
298	Trave f.	3061	7	1	2	4.00	1.00
299	Trave f.	2893	2910	1	2	4.00	1.00
300	Trave f.	3078	3061	1	2	4.00	1.00
301	Trave f.	2910	2920	1	2	4.00	1.00
302	Trave f.	3088	3078	1	2	4.00	1.00
303	Trave f.	2920	2930	1	2	4.00	1.00
304	Trave f.	3098	3088	1	2	4.00	1.00
305	Trave f.	2930	2940	1	2	4.00	1.00
306	Trave f.	3108	3098	1	2	4.00	1.00
307	Trave f.	2940	2950	1	2	4.00	1.00
308	Trave f.	3118	3108	1	2	4.00	1.00
309	Trave f.	2950	2960	1	2	4.00	1.00
310	Trave f.	3128	3118	1	2	4.00	1.00
311	Trave f.	2960	2970	1	2	4.00	1.00
312	Trave f.	3138	3128	1	2	4.00	1.00
313	Trave f.	2970	2980	1	2	4.00	1.00
314	Trave f.	3148	3138	1	2	4.00	1.00
315	Trave f.	2980	2990	1	2	4.00	1.00
316	Trave f.	3158	3148	1	2	4.00	1.00
317	Trave f.	2990	3000	1	2	4.00	1.00
318	Trave f.	3168	3158	1	2	4.00	1.00
319	Trave f.	3000	3010	1	2	4.00	1.00
320	Trave f.	3178	3168	1	2	4.00	1.00
321	Trave f.	3010	3020	1	2	4.00	1.00
322	Trave f.	3188	3178	1	2	4.00	1.00
323	Trave f.	3020	3030	1	2	4.00	1.00
324	Trave f.	3198	3188	1	2	4.00	1.00
325	Trave f.	3030	3040	1	2	4.00	1.00
326	Trave f.	3208	3198	1	2	4.00	1.00
327	Trave f.	3040	3050	1	2	4.00	1.00
328	Trave f.	3218	3208	1	2	4.00	1.00
329	Trave f.	3050	6	1	2	4.00	1.00
330	Trave f.	3287	3228	1	1	4.00	1.00
331	Trave f.	3316	3227	1	1	4.00	1.00
332	Trave f.	3259	9	1	1	4.00	1.00
333	Trave f.	3231	10	1	1	4.00	1.00
334	Trave f.	3344	3354	1	1	4.00	1.00
335	Trave f.	3474	3484	1	1	4.00	1.00
336	Trave f.	3305	3287	1	1	4.00	1.00
337	Trave f.	3334	3316	1	1	4.00	1.00
338	Trave f.	3276	3259	1	1	4.00	1.00
339	Trave f.	3248	3231	1	1	4.00	1.00
340	Trave f.	3354	3364	1	1	4.00	1.00
341	Trave f.	3484	3494	1	1	4.00	1.00
342	Trave f.	3364	3374	1	1	4.00	1.00
343	Trave f.	3494	3504	1	1	4.00	1.00
344	Trave f.	3374	3384	1	1	4.00	1.00
345	Trave f.	3504	3514	1	1	4.00	1.00
346	Trave f.	3384	3394	1	1	4.00	1.00
347	Trave f.	3514	3524	1	1	4.00	1.00
348	Trave f.	3394	3404	1	1	4.00	1.00
349	Trave f.	3524	3534	1	1	4.00	1.00
350	Trave f.	3404	3414	1	1	4.00	1.00
351	Trave f.	3534	3544	1	1	4.00	1.00
352	Trave f.	3414	3424	1	1	4.00	1.00
353	Trave f.	3544	3554	1	1	4.00	1.00
354	Trave f.	3424	3434	1	1	4.00	1.00
355	Trave f.	3554	3564	1	1	4.00	1.00
356	Trave f.	3434	3444	1	1	4.00	1.00
357	Trave f.	3564	3574	1	1	4.00	1.00
358	Trave f.	3444	3454	1	1	4.00	1.00
359	Trave f.	3574	3584	1	1	4.00	1.00
360	Trave f.	3454	3464	1	1	4.00	1.00
361	Trave f.	3584	3594	1	1	4.00	1.00
362	Trave f.	3464	2	1	1	4.00	1.00
363	Trave f.	3594	4	1	1	4.00	1.00
364	Trave f.	6874	10	1	2	4.00	1.00
365	Trave f.	6884	6874	1	2	4.00	1.00
366	Trave f.	6894	6884	1	2	4.00	1.00
367	Trave f.	6904	6894	1	2	4.00	1.00
368	Trave f.	6914	6904	1	2	4.00	1.00
369	Trave f.	6924	6914	1	2	4.00	1.00
370	Trave f.	6934	6924	1	2	4.00	1.00
371	Trave f.	6944	6934	1	2	4.00	1.00
372	Trave f.	6954	6944	1	2	4.00	1.00
373	Trave f.	6964	6954	1	2	4.00	1.00
374	Trave f.	6974	6964	1	2	4.00	1.00
375	Trave f.	6984	6974	1	2	4.00	1.00
376	Trave f.	6994	6984	1	2	4.00	1.00
377	Trave f.	7004	6994	1	2	4.00	1.00
378	Trave f.	7014	7004	1	2	4.00	1.00
379	Trave f.	7024	7014	1	2	4.00	1.00
380	Trave f.	7034	7024	1	2	4.00	1.00
381	Trave f.	7044	7034	1	2	4.00	1.00
382	Trave f.	7054	7044	1	2	4.00	1.00

383	Trave f.	7064	7054	1	2			4.00	1.00
384	Trave f.	7074	7064	1	2			4.00	1.00
385	Trave f.	7084	7074	1	2			4.00	1.00
386	Trave f.	7094	7084	1	2			4.00	1.00
387	Trave f.	7104	7094	1	2			4.00	1.00
388	Trave f.	7114	7104	1	2			4.00	1.00
389	Trave f.	7124	7114	1	2			4.00	1.00
390	Trave f.	7134	7124	1	2			4.00	1.00
391	Trave f.	3624	7134	1	2			4.00	1.00
392	Trave f.	3644	3624	1	2			4.00	1.00
393	Trave f.	3664	3644	1	2			4.00	1.00
394	Trave f.	3694	3664	1	2			4.00	1.00
395	Trave f.	3724	3694	1	2			4.00	1.00
396	Trave f.	3744	3724	1	2			4.00	1.00
397	Trave f.	3774	3744	1	2			4.00	1.00
398	Trave f.	3804	3774	1	2			4.00	1.00
399	Trave f.	3824	3804	1	2			4.00	1.00
400	Trave f.	3854	3824	1	2			4.00	1.00
401	Trave f.	3884	3854	1	2			4.00	1.00
402	Trave f.	3904	3884	1	2			4.00	1.00
403	Trave f.	3934	3904	1	2			4.00	1.00
404	Trave f.	3964	3934	1	2			4.00	1.00
405	Trave f.	3984	3964	1	2			4.00	1.00
406	Trave f.	4014	3984	1	2			4.00	1.00
407	Trave f.	4044	4014	1	2			4.00	1.00
408	Trave f.	4064	4044	1	2			4.00	1.00
409	Trave f.	4094	4064	1	2			4.00	1.00
410	Trave f.	4124	4094	1	2			4.00	1.00
411	Trave f.	4144	4124	1	2			4.00	1.00
412	Trave	894	895	58	8				
413	Trave	4667	906	58	3	000011			
414	Trave	896	5613	58	4				
415	Trave	5613	4193	58	3		000011		
416	Trave	906	886	58	4				
417	Trave	891	893	58	7				
418	Trave	893	903	58	6				
419	Trave	903	904	58	5				
420	Trave	886	883	58	5				
421	Trave	883	884	58	6				
422	Trave	884	885	58	7				
423	Trave	885	881	58	8				
424	Trave	881	891	58	8				
425	Trave	904	905	58	4				
426	Trave	905	5579	58	3		000011		
427	Trave	4411	5615	58	3	000011			
428	Trave	5615	5627	58	4				
429	Trave	6287	6288	58	7				
430	Trave	6288	6299	58	6				
431	Trave	6299	3477	58	5				
432	Trave	5627	3478	58	5				
433	Trave	3478	3479	58	6				
434	Trave	3479	3517	58	7				
435	Trave	3517	3518	58	8				
436	Trave	3518	6287	58	8				
437	Trave	3477	3519	58	4				
438	Trave	3519	7730	58	3		000011		
439	Trave	4139	5867	58	3	000011			
440	Trave	5867	5868	58	4				
441	Trave	5869	5903	58	7				
442	Trave	5903	5904	58	6				
443	Trave	5904	5925	58	5				
444	Trave	5868	5949	58	5				
445	Trave	5949	5950	58	6				
446	Trave	5950	5951	58	7				
447	Trave	5951	3569	58	8				
448	Trave	3569	5869	58	8				
449	Trave	5925	3579	58	4				
450	Trave	3579	7935	58	3		000011		
451	Trave	3883	3589	58	3	000011			
452	Trave	3589	3567	58	4				
453	Trave	895	3568	58	7				
454	Trave	3568	3577	58	6				
455	Trave	3577	896	58	5				
456	Trave	3567	3578	58	5				
457	Trave	3578	3587	58	6				
458	Trave	3587	3588	58	7				
459	Trave	3588	894	58	8				
460	Trave	3518	881	58	9	000001	000001		
461	Trave	3569	3518	58	9	000001	000001		
462	Trave	894	3569	58	9	000001	000001		
463	Trave	6394	894	58	9	000001	000001		
464	Trave	881	5434	58	9	000001	000001		
465	Trave	3479	884	58	9	000001	000001		
466	Trave	5950	3479	58	9	000001	000001		
467	Trave	3587	5950	58	9	000001	000001		
468	Trave	6554	3587	58	9	000001	000001		
469	Trave	884	5594	58	9	000001	000001		
470	Trave	5627	886	58	9	000001	000001		
471	Trave	5868	5627	58	9	000001	000001		
472	Trave	3567	5868	58	9	000001	000001		
473	Trave	6714	3567	58	9	000001	000001		
474	Trave	886	5754	58	9	000001	000001		
475	Trave	6288	893	58	9	000001	000001		
476	Trave	5903	6288	58	9	000001	000001		
477	Trave	3568	5903	58	9	000001	000001		
478	Trave	6234	3568	58	9	000001	000001		
479	Trave	893	5274	58	9	000001	000001		
480	Trave	3477	904	58	9	000001	000001		
481	Trave	5925	3477	58	9	000001	000001		
482	Trave	896	5925	58	9	000001	000001		
483	Trave	6074	896	58	9	000001	000001		

484	Trave	904	5114	58	9	000001	000001
485	Trave	4939	5898	1	11		
486	Trave	4573	6508	1	11		
487	Trave	5923	4860	1	11		
488	Trave	3621	3622	1	11		
489	Trave	3621	6858	1	11		
490	Trave	5451	8023	1	11		
491	Trave	7680	3349	1	11		
492	Trave	4963	5710	1	11		
493	Trave	4220	5056	1	11		
494	Trave	1943	7919	1	11		
495	Trave	3622	3643	1	11		
496	Trave	4225	4351	1	11		
497	Trave	7957	7958	1	11		
498	Trave	127	159	1	11		
499	Trave	4964	4963	1	11		
500	Trave	4432	4828	1	11		
501	Trave	2035	7929	1	11		
502	Trave	5923	6347	1	11		
503	Trave	8023	8024	1	11		
504	Trave	141	127	1	11		
505	Trave	5647	6304	1	11		
506	Trave	5056	5792	1	11		
507	Trave	2512	7700	1	11		
508	Trave	3643	3659	1	11		
509	Trave	4351	4477	1	11		
510	Trave	7958	8092	1	11		
511	Trave	159	4357	1	11		
512	Trave	4986	4964	1	11		
513	Trave	4781	7620	1	11		
514	Trave	4193	7939	1	11		
515	Trave	5924	5923	1	11		
516	Trave	1333	141	1	11		
517	Trave	5648	5647	1	11		
518	Trave	2701	7760	1	11		
519	Trave	4828	5054	1	11		
520	Trave	7929	1943	1	11		
521	Trave	6347	6383	1	11		
522	Trave	8024	8041	1	11		
523	Trave	5776	5775	1	11		
524	Trave	5792	6718	1	11		
525	Trave	4893	4963	1	11		
526	Trave	3659	3675	1	11		
527	Trave	4477	4573	1	11		
528	Trave	7981	7982	1	11		
529	Trave	3457	7220	1	11		
530	Trave	5002	4986	1	11		
531	Trave	4782	4781	1	11		
532	Trave	4204	4193	1	11		
533	Trave	5946	5924	1	11		
534	Trave	3349	4206	1	11		
535	Trave	5710	5648	1	11		
536	Trave	2822	7780	1	11		
537	Trave	5838	5776	1	11		
538	Trave	4929	4893	1	11		
539	Trave	8092	7981	1	11		
540	Trave	3940	3457	1	11		
541	Trave	6683	6684	1	11		
542	Trave	7939	2035	1	11		
543	Trave	5805	7740	1	11		
544	Trave	5054	5390	1	11		
545	Trave	6383	6429	1	11		
546	Trave	8041	8114	1	11		
547	Trave	6014	6720	1	11		
548	Trave	3675	3691	1	11		
549	Trave	7982	8057	1	11		
550	Trave	5018	5002	1	11		
551	Trave	4924	4782	1	11		
552	Trave	4256	4204	1	11		
553	Trave	5962	5946	1	11		
554	Trave	3821	7900	1	11		
555	Trave	5884	5838	1	11		
556	Trave	4975	4929	1	11		
557	Trave	3989	3940	1	11		
558	Trave	7150	6683	1	11		
559	Trave	7750	5805	1	11		
560	Trave	6718	6014	1	11		
561	Trave	4205	1333	1	11		
562	Trave	7770	2701	1	11		
563	Trave	6684	6846	1	11		
564	Trave	7595	7720	1	11		
565	Trave	5390	5676	1	11		
566	Trave	6429	6475	1	11		
567	Trave	8114	7957	1	11		
568	Trave	6720	5775	1	11		
569	Trave	3691	3707	1	11		
570	Trave	7997	7998	1	11		
571	Trave	5034	5018	1	11		
572	Trave	5020	4924	1	11		
573	Trave	4302	4256	1	11		
574	Trave	5978	5962	1	11		
575	Trave	3823	3821	1	11		
576	Trave	5930	5884	1	11		
577	Trave	5021	4975	1	11		
578	Trave	4051	3989	1	11		
579	Trave	7160	7150	1	11		
580	Trave	7760	7750	1	11		
581	Trave	4206	4205	1	11		
582	Trave	7780	7770	1	11		
583	Trave	7730	7595	1	11		
584	Trave	8057	8058	1	11		

585	Trave	4173	7800	1	11
586	Trave	6846	4432	1	11
587	Trave	7710	2512	1	11
588	Trave	5676	5982	1	11
589	Trave	6475	6511	1	11
590	Trave	3707	3723	1	11
591	Trave	7998	4432	1	11
592	Trave	5050	5034	1	11
593	Trave	5136	5020	1	11
594	Trave	4348	4302	1	11
595	Trave	5994	5978	1	11
596	Trave	7919	3823	1	11
597	Trave	5966	5930	1	11
598	Trave	5067	5021	1	11
599	Trave	4100	4051	1	11
600	Trave	7170	7160	1	11
601	Trave	7740	7730	1	11
602	Trave	4542	7860	1	11
603	Trave	7720	7710	1	11
604	Trave	8058	8069	1	11
605	Trave	7790	2822	1	11
606	Trave	5982	6318	1	11
607	Trave	6511	6557	1	11
608	Trave	3723	3739	1	11
609	Trave	5066	5050	1	11
610	Trave	5262	5136	1	11
611	Trave	4384	4348	1	11
612	Trave	6010	5994	1	11
613	Trave	6012	5966	1	11
614	Trave	5103	5067	1	11
615	Trave	4197	4100	1	11
616	Trave	7180	7170	1	11
617	Trave	4717	7880	1	11
618	Trave	7800	7790	1	11
619	Trave	7810	4173	1	11
620	Trave	8069	8089	1	11
621	Trave	6318	6544	1	11
622	Trave	6557	6603	1	11
623	Trave	3739	3755	1	11
624	Trave	5082	5066	1	11
625	Trave	5358	5262	1	11
626	Trave	4430	4384	1	11
627	Trave	6026	6010	1	11
628	Trave	6048	6012	1	11
629	Trave	5149	5103	1	11
630	Trave	4259	4197	1	11
631	Trave	7190	7180	1	11
632	Trave	7890	4717	1	11
633	Trave	7820	7810	1	11
634	Trave	7870	4542	1	11
635	Trave	8078	7997	1	11
636	Trave	6544	4220	1	11
637	Trave	6603	6639	1	11
638	Trave	3755	3771	1	11
639	Trave	5098	5082	1	11
640	Trave	5484	5358	1	11
641	Trave	4476	4430	1	11
642	Trave	6042	6026	1	11
643	Trave	6094	6048	1	11
644	Trave	5195	5149	1	11
645	Trave	4308	4259	1	11
646	Trave	7200	7190	1	11
647	Trave	7900	7890	1	11
648	Trave	7830	7895	1	11
649	Trave	7880	7870	1	11
650	Trave	8089	8078	1	11
651	Trave	6639	6685	1	11
652	Trave	3771	3787	1	11
653	Trave	5114	5098	1	11
654	Trave	5660	5484	1	11
655	Trave	4512	4476	1	11
656	Trave	6058	6042	1	11
657	Trave	6140	6094	1	11
658	Trave	5231	5195	1	11
659	Trave	4357	4308	1	11
660	Trave	7210	7200	1	11
661	Trave	7840	7830	1	11
662	Trave	7895	7820	1	11
663	Trave	6685	6731	1	11
664	Trave	3787	3803	1	11
665	Trave	5130	5114	1	11
666	Trave	5726	5660	1	11
667	Trave	4558	4512	1	11
668	Trave	6074	6058	1	11
669	Trave	6176	6140	1	11
670	Trave	5277	5231	1	11
671	Trave	7220	7210	1	11
672	Trave	7850	7935	1	11
673	Trave	6731	6767	1	11
674	Trave	3803	3819	1	11
675	Trave	5146	5130	1	11
676	Trave	5852	5726	1	11
677	Trave	4604	4558	1	11
678	Trave	6090	6074	1	11
679	Trave	6222	6176	1	11
680	Trave	5323	5277	1	11
681	Trave	7230	7220	1	11
682	Trave	7860	7850	1	11
683	Trave	7935	7840	1	11
684	Trave	6767	6813	1	11
685	Trave	3819	3835	1	11

686	Trave	5162	5146	1	11
687	Trave	5968	5852	1	11
688	Trave	4640	4604	1	11
689	Trave	6106	6090	1	11
690	Trave	6268	6222	1	11
691	Trave	5359	5323	1	11
692	Trave	7240	7230	1	11
693	Trave	6813	6859	1	11
694	Trave	3835	3851	1	11
695	Trave	5178	5162	1	11
696	Trave	6064	5968	1	11
697	Trave	4686	4640	1	11
698	Trave	6122	6106	1	11
699	Trave	6304	6268	1	11
700	Trave	5405	5359	1	11
701	Trave	7250	7240	1	11
702	Trave	6859	4225	1	11
703	Trave	3851	3867	1	11
704	Trave	5194	5178	1	11
705	Trave	6190	6064	1	11
706	Trave	4732	4686	1	11
707	Trave	6138	6122	1	11
708	Trave	5451	5405	1	11
709	Trave	7260	7250	1	11
710	Trave	3867	3883	1	11
711	Trave	5210	5194	1	11
712	Trave	6316	6190	1	11
713	Trave	4768	4732	1	11
714	Trave	6154	6138	1	11
715	Trave	5487	5451	1	11
716	Trave	7270	7260	1	11
717	Trave	3883	3899	1	11
718	Trave	5226	5210	1	11
719	Trave	6382	6316	1	11
720	Trave	4814	4768	1	11
721	Trave	6170	6154	1	11
722	Trave	5533	5487	1	11
723	Trave	7280	7270	1	11
724	Trave	3899	3915	1	11
725	Trave	5242	5226	1	11
726	Trave	6508	6382	1	11
727	Trave	4860	4814	1	11
728	Trave	6186	6170	1	11
729	Trave	5579	5533	1	11
730	Trave	7290	7280	1	11
731	Trave	3915	3931	1	11
732	Trave	5258	5242	1	11
733	Trave	6202	6186	1	11
734	Trave	7283	7660	1	11
735	Trave	7300	7290	1	11
736	Trave	3931	3947	1	11
737	Trave	5274	5258	1	11
738	Trave	6218	6202	1	11
739	Trave	7404	7680	1	11
740	Trave	7310	7300	1	11
741	Trave	7630	5579	1	11
742	Trave	3947	3963	1	11
743	Trave	5290	5274	1	11
744	Trave	6234	6218	1	11
745	Trave	7690	7404	1	11
746	Trave	7320	7310	1	11
747	Trave	7640	7951	1	11
748	Trave	7670	7283	1	11
749	Trave	3963	3979	1	11
750	Trave	5306	5290	1	11
751	Trave	6250	6234	1	11
752	Trave	7700	7690	1	11
753	Trave	7330	7320	1	11
754	Trave	7650	7640	1	11
755	Trave	7680	7670	1	11
756	Trave	7951	7630	1	11
757	Trave	3979	3995	1	11
758	Trave	5322	5306	1	11
759	Trave	6266	6250	1	11
760	Trave	7340	7330	1	11
761	Trave	7660	7650	1	11
762	Trave	3995	4011	1	11
763	Trave	5338	5322	1	11
764	Trave	6282	6266	1	11
765	Trave	7350	7340	1	11
766	Trave	4011	4027	1	11
767	Trave	5354	5338	1	11
768	Trave	6298	6282	1	11
769	Trave	7360	7350	1	11
770	Trave	4027	4043	1	11
771	Trave	5370	5354	1	11
772	Trave	6314	6298	1	11
773	Trave	7370	7360	1	11
774	Trave	4043	4059	1	11
775	Trave	5386	5370	1	11
776	Trave	6330	6314	1	11
777	Trave	7380	7370	1	11
778	Trave	4059	4075	1	11
779	Trave	5402	5386	1	11
780	Trave	6346	6330	1	11
781	Trave	7390	7380	1	11
782	Trave	4075	4091	1	11
783	Trave	5418	5402	1	11
784	Trave	6362	6346	1	11
785	Trave	7400	7390	1	11
786	Trave	4091	4107	1	11

787	Trave	5434	5418	1	11
788	Trave	6378	6362	1	11
789	Trave	7410	7400	1	11
790	Trave	4107	4123	1	11
791	Trave	5450	5434	1	11
792	Trave	6394	6378	1	11
793	Trave	7420	7410	1	11
794	Trave	4123	4139	1	11
795	Trave	5466	5450	1	11
796	Trave	6410	6394	1	11
797	Trave	7430	7420	1	11
798	Trave	4139	4155	1	11
799	Trave	5482	5466	1	11
800	Trave	6426	6410	1	11
801	Trave	7440	7430	1	11
802	Trave	4155	4171	1	11
803	Trave	5498	5482	1	11
804	Trave	6442	6426	1	11
805	Trave	7450	7440	1	11
806	Trave	4171	4187	1	11
807	Trave	5514	5498	1	11
808	Trave	6458	6442	1	11
809	Trave	7460	7450	1	11
810	Trave	4187	4203	1	11
811	Trave	5530	5514	1	11
812	Trave	6474	6458	1	11
813	Trave	7470	7460	1	11
814	Trave	4203	4219	1	11
815	Trave	5546	5530	1	11
816	Trave	6490	6474	1	11
817	Trave	7480	7470	1	11
818	Trave	4219	4235	1	11
819	Trave	5562	5546	1	11
820	Trave	6506	6490	1	11
821	Trave	7490	7480	1	11
822	Trave	4235	4251	1	11
823	Trave	5578	5562	1	11
824	Trave	6522	6506	1	11
825	Trave	7500	7490	1	11
826	Trave	4251	4267	1	11
827	Trave	5594	5578	1	11
828	Trave	6538	6522	1	11
829	Trave	7510	7500	1	11
830	Trave	4267	4283	1	11
831	Trave	5610	5594	1	11
832	Trave	6554	6538	1	11
833	Trave	7520	7510	1	11
834	Trave	4283	4299	1	11
835	Trave	5626	5610	1	11
836	Trave	6570	6554	1	11
837	Trave	7530	7520	1	11
838	Trave	4299	4315	1	11
839	Trave	5642	5626	1	11
840	Trave	6586	6570	1	11
841	Trave	7540	7530	1	11
842	Trave	4315	4331	1	11
843	Trave	5658	5642	1	11
844	Trave	6602	6586	1	11
845	Trave	7550	7540	1	11
846	Trave	4331	4347	1	11
847	Trave	5674	5658	1	11
848	Trave	6618	6602	1	11
849	Trave	7560	7550	1	11
850	Trave	4347	4363	1	11
851	Trave	5690	5674	1	11
852	Trave	6634	6618	1	11
853	Trave	7570	7560	1	11
854	Trave	4363	4379	1	11
855	Trave	5706	5690	1	11
856	Trave	6650	6634	1	11
857	Trave	7580	7570	1	11
858	Trave	4379	4395	1	11
859	Trave	5722	5706	1	11
860	Trave	6666	6650	1	11
861	Trave	7590	7580	1	11
862	Trave	4395	4411	1	11
863	Trave	5738	5722	1	11
864	Trave	6682	6666	1	11
865	Trave	7600	7590	1	11
866	Trave	4411	4427	1	11
867	Trave	5754	5738	1	11
868	Trave	6698	6682	1	11
869	Trave	7610	7600	1	11
870	Trave	4427	4443	1	11
871	Trave	5770	5754	1	11
872	Trave	6714	6698	1	11
873	Trave	7620	7610	1	11
874	Trave	4443	4459	1	11
875	Trave	5786	5770	1	11
876	Trave	6730	6714	1	11
877	Trave	4459	4475	1	11
878	Trave	5802	5786	1	11
879	Trave	6746	6730	1	11
880	Trave	4475	4491	1	11
881	Trave	5818	5802	1	11
882	Trave	6762	6746	1	11
883	Trave	4491	4507	1	11
884	Trave	5834	5818	1	11
885	Trave	6778	6762	1	11
886	Trave	4507	4523	1	11
887	Trave	5850	5834	1	11

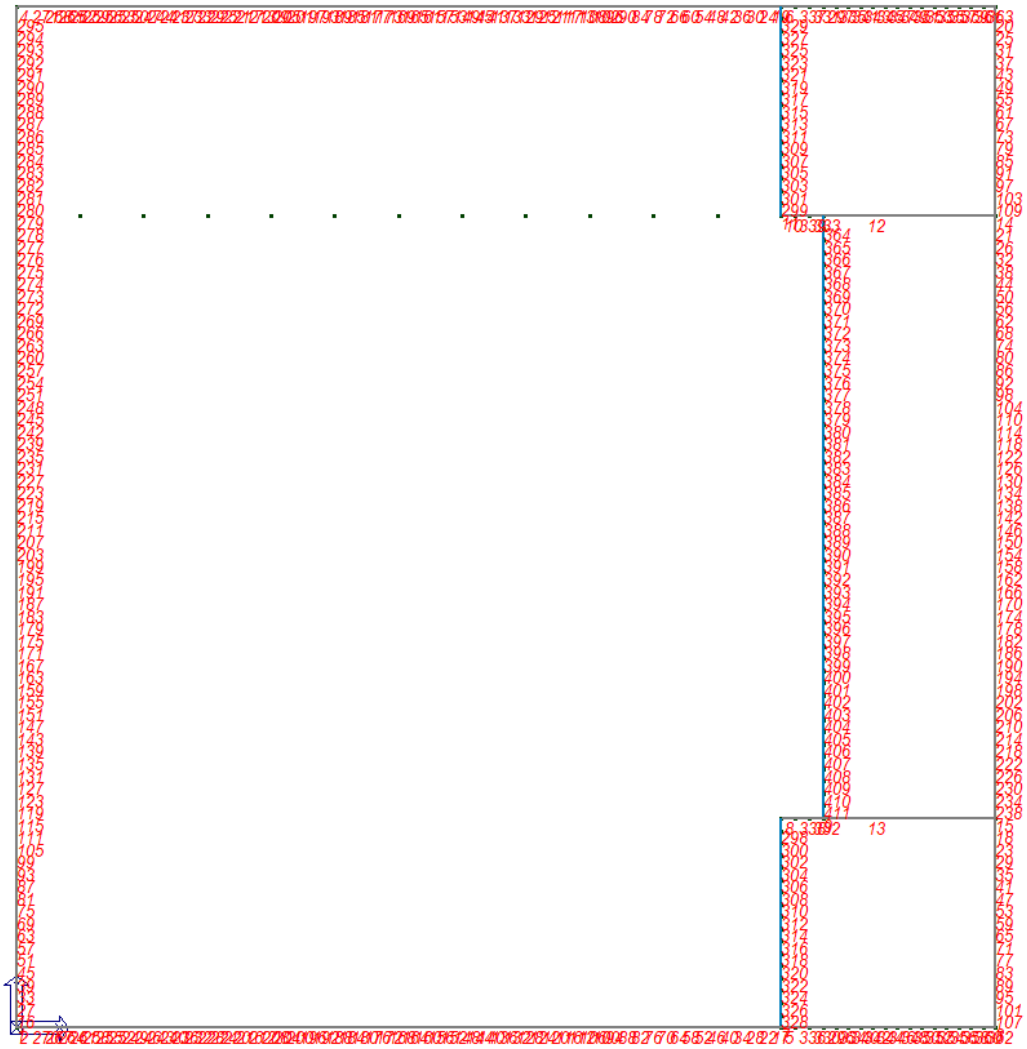
888	Trave	6794	6778	1	11
889	Trave	4523	4539	1	11
890	Trave	5866	5850	1	11
891	Trave	6810	6794	1	11
892	Trave	4539	4555	1	11
893	Trave	5882	5866	1	11
894	Trave	6826	6810	1	11
895	Trave	4555	4571	1	11
896	Trave	5898	5882	1	11
897	Trave	6842	6826	1	11
898	Trave	4571	4587	1	11
899	Trave	6858	6842	1	11
900	Trave	4587	4603	1	11
901	Trave	4603	4619	1	11
902	Trave	4619	4635	1	11
903	Trave	4635	4651	1	11
904	Trave	4651	4667	1	11
905	Trave	4667	4683	1	11
906	Trave	4683	4699	1	11
907	Trave	4699	4715	1	11
908	Trave	4715	4731	1	11
909	Trave	4731	4747	1	11
910	Trave	4747	4763	1	11
911	Trave	4763	4779	1	11
912	Trave	4779	4795	1	11
913	Trave	4795	4811	1	11
914	Trave	4811	4827	1	11
915	Trave	4827	4843	1	11
916	Trave	4843	4859	1	11
917	Trave	4859	4875	1	11
918	Trave	4875	4891	1	11
919	Trave	4891	4907	1	11
920	Trave	4907	4923	1	11
921	Trave	4923	4939	1	11
922	Trave	17	1460	1	12
923	Trave	16	2878	1	12
924	Trave	19	3226	1	12
925	Trave	15	44	1	12
926	Trave	15	2058	1	12
927	Trave	20	3342	1	12
928	Trave	2118	2108	1	12
929	Trave	6991	6990	1	13
930	Trave	44	54	1	12
931	Trave	3452	3462	1	12
932	Trave	880	20	1	12
933	Trave	2198	2188	1	12
934	Trave	1949	1944	1	13
935	Trave	19	3313	1	12
936	Trave	3331	3482	1	12
937	Trave	2108	2098	1	12
938	Trave	7413	7412	1	13
939	Trave	54	64	1	12
940	Trave	3462	3472	1	12
941	Trave	890	880	1	12
942	Trave	2718	2708	1	12
943	Trave	21	1479	1	13
944	Trave	1478	19	1	12
945	Trave	3332	3331	1	12
946	Trave	5931	5807	1	13
947	Trave	2188	2178	1	12
948	Trave	1944	6991	1	13
949	Trave	3313	3303	1	12
950	Trave	3602	18	1	12
951	Trave	2098	2088	1	12
952	Trave	3058	20	1	12
953	Trave	64	74	1	12
954	Trave	3472	16	1	12
955	Trave	900	890	1	12
956	Trave	2728	2718	1	12
957	Trave	3076	21	1	12
958	Trave	1488	1478	1	12
959	Trave	3342	3332	1	12
960	Trave	2751	2750	1	13
961	Trave	3592	3602	1	12
962	Trave	3048	3058	1	12
963	Trave	2228	2218	1	12
964	Trave	1479	1949	1	13
965	Trave	7605	7604	1	13
966	Trave	2178	2168	1	12
967	Trave	3303	3302	1	12
968	Trave	2078	2061	1	12
969	Trave	74	84	1	12
970	Trave	910	900	1	12
971	Trave	2738	2728	1	12
972	Trave	3086	3076	1	12
973	Trave	1498	1488	1	12
974	Trave	4753	4752	1	13
975	Trave	3582	3592	1	12
976	Trave	3038	3048	1	12
977	Trave	2238	2228	1	12
978	Trave	5806	7605	1	13
979	Trave	2088	2078	1	12
980	Trave	2702	5931	1	13
981	Trave	2218	2208	1	12
982	Trave	2515	2514	1	13
983	Trave	2168	2158	1	12
984	Trave	3302	3352	1	12
985	Trave	2061	18	1	12
986	Trave	84	94	1	12
987	Trave	920	910	1	12
988	Trave	2748	2738	1	12

989	Trave	3096	3086	1	12
990	Trave	1508	1498	1	12
991	Trave	3822	4753	1	13
992	Trave	3572	3582	1	12
993	Trave	3028	3038	1	12
994	Trave	2248	2238	1	12
995	Trave	5807	5806	1	13
996	Trave	2750	2702	1	13
997	Trave	7603	2515	1	13
998	Trave	2832	2831	1	13
999	Trave	2208	2198	1	12
1000	Trave	2513	7413	1	13
1001	Trave	2158	2148	1	12
1002	Trave	3352	3362	1	12
1003	Trave	94	104	1	12
1004	Trave	930	920	1	12
1005	Trave	2758	2748	1	12
1006	Trave	3106	3096	1	12
1007	Trave	1518	1508	1	12
1008	Trave	6990	3822	1	13
1009	Trave	3562	3572	1	12
1010	Trave	3018	3028	1	12
1011	Trave	2258	2248	1	12
1012	Trave	7604	7603	1	13
1013	Trave	4380	4369	1	13
1014	Trave	2514	2513	1	13
1015	Trave	2830	2751	1	13
1016	Trave	2148	2138	1	12
1017	Trave	3362	3372	1	12
1018	Trave	104	114	1	12
1019	Trave	940	930	1	12
1020	Trave	2768	2758	1	12
1021	Trave	3116	3106	1	12
1022	Trave	1528	1518	1	12
1023	Trave	3552	3562	1	12
1024	Trave	3008	3018	1	12
1025	Trave	2268	2258	1	12
1026	Trave	4588	4544	1	13
1027	Trave	2831	2830	1	13
1028	Trave	4175	2832	1	13
1029	Trave	2138	2128	1	12
1030	Trave	3372	3382	1	12
1031	Trave	114	124	1	12
1032	Trave	950	940	1	12
1033	Trave	2778	2768	1	12
1034	Trave	3126	3116	1	12
1035	Trave	1538	1528	1	12
1036	Trave	3542	3552	1	12
1037	Trave	2998	3008	1	12
1038	Trave	2278	2268	1	12
1039	Trave	4718	4588	1	13
1040	Trave	4625	4175	1	13
1041	Trave	4543	4380	1	13
1042	Trave	2128	2118	1	12
1043	Trave	3382	3392	1	12
1044	Trave	124	134	1	12
1045	Trave	960	950	1	12
1046	Trave	2788	2778	1	12
1047	Trave	3136	3126	1	12
1048	Trave	1548	1538	1	12
1049	Trave	3532	3542	1	12
1050	Trave	2988	2998	1	12
1051	Trave	2288	2278	1	12
1052	Trave	4752	4718	1	13
1053	Trave	7896	4636	1	13
1054	Trave	4544	4543	1	13
1055	Trave	3392	3402	1	12
1056	Trave	134	144	1	12
1057	Trave	970	960	1	12
1058	Trave	2798	2788	1	12
1059	Trave	3146	3136	1	12
1060	Trave	1558	1548	1	12
1061	Trave	3522	3532	1	12
1062	Trave	2978	2988	1	12
1063	Trave	2298	2288	1	12
1064	Trave	7904	7896	1	13
1065	Trave	4636	4625	1	13
1066	Trave	3402	3412	1	12
1067	Trave	144	154	1	12
1068	Trave	980	970	1	12
1069	Trave	2808	2798	1	12
1070	Trave	3156	3146	1	12
1071	Trave	1568	1558	1	12
1072	Trave	3512	3522	1	12
1073	Trave	2968	2978	1	12
1074	Trave	2308	2298	1	12
1075	Trave	4368	7905	1	13
1076	Trave	3412	3422	1	12
1077	Trave	154	164	1	12
1078	Trave	990	980	1	12
1079	Trave	2818	2808	1	12
1080	Trave	3166	3156	1	12
1081	Trave	1578	1568	1	12
1082	Trave	3502	3512	1	12
1083	Trave	2958	2968	1	12
1084	Trave	2318	2308	1	12
1085	Trave	4369	4368	1	13
1086	Trave	7905	7904	1	13
1087	Trave	3422	3432	1	12
1088	Trave	164	174	1	12
1089	Trave	1000	990	1	12

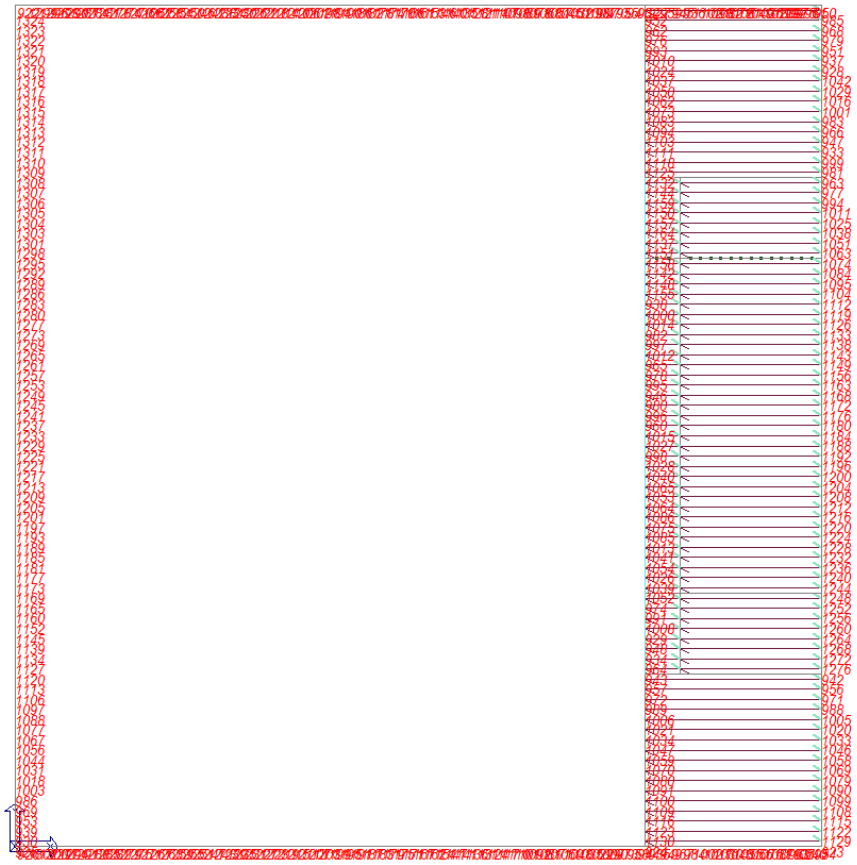
1090	Trave	2828	2818	1	12
1091	Trave	3176	3166	1	12
1092	Trave	1588	1578	1	12
1093	Trave	3492	3502	1	12
1094	Trave	2948	2958	1	12
1095	Trave	2328	2318	1	12
1096	Trave	3432	3442	1	12
1097	Trave	174	184	1	12
1098	Trave	1010	1000	1	12
1099	Trave	2838	2828	1	12
1100	Trave	3186	3176	1	12
1101	Trave	1598	1588	1	12
1102	Trave	3482	3492	1	12
1103	Trave	2938	2948	1	12
1104	Trave	2338	2328	1	12
1105	Trave	3442	3452	1	12
1106	Trave	184	194	1	12
1107	Trave	1020	1010	1	12
1108	Trave	2848	2838	1	12
1109	Trave	3196	3186	1	12
1110	Trave	1608	1598	1	12
1111	Trave	2928	2938	1	12
1112	Trave	2348	2338	1	12
1113	Trave	194	204	1	12
1114	Trave	1030	1020	1	12
1115	Trave	2858	2848	1	12
1116	Trave	3206	3196	1	12
1117	Trave	1618	1608	1	12
1118	Trave	2918	2928	1	12
1119	Trave	2358	2348	1	12
1120	Trave	204	214	1	12
1121	Trave	1040	1030	1	12
1122	Trave	2868	2858	1	12
1123	Trave	3216	3206	1	12
1124	Trave	1628	1618	1	12
1125	Trave	2908	2918	1	12
1126	Trave	2368	2358	1	12
1127	Trave	214	224	1	12
1128	Trave	1050	1040	1	12
1129	Trave	2878	2868	1	12
1130	Trave	3226	3216	1	12
1131	Trave	1638	1628	1	12
1132	Trave	22	2908	1	12
1133	Trave	2378	2368	1	12
1134	Trave	224	234	1	12
1135	Trave	1060	1050	1	12
1136	Trave	1648	1638	1	12
1137	Trave	5855	5611	1	13
1138	Trave	2388	2378	1	12
1139	Trave	234	244	1	12
1140	Trave	1070	1060	1	12
1141	Trave	1658	1648	1	12
1142	Trave	7292	7291	1	13
1143	Trave	2398	2388	1	12
1144	Trave	7940	22	1	13
1145	Trave	244	254	1	12
1146	Trave	1080	1070	1	12
1147	Trave	1668	1658	1	12
1148	Trave	7411	7292	1	13
1149	Trave	2408	2398	1	12
1150	Trave	7952	7941	1	13
1151	Trave	7284	5855	1	13
1152	Trave	254	264	1	12
1153	Trave	1090	1080	1	12
1154	Trave	1678	1668	1	12
1155	Trave	7412	7411	1	13
1156	Trave	2418	2408	1	12
1157	Trave	5599	7952	1	13
1158	Trave	7291	7284	1	13
1159	Trave	7941	7940	1	13
1160	Trave	264	274	1	12
1161	Trave	1100	1090	1	12
1162	Trave	1688	1678	1	12
1163	Trave	2428	2418	1	12
1164	Trave	5611	5599	1	13
1165	Trave	274	284	1	12
1166	Trave	1110	1100	1	12
1167	Trave	1698	1688	1	12
1168	Trave	2438	2428	1	12
1169	Trave	284	294	1	12
1170	Trave	1120	1110	1	12
1171	Trave	1708	1698	1	12
1172	Trave	2448	2438	1	12
1173	Trave	294	304	1	12
1174	Trave	1130	1120	1	12
1175	Trave	1718	1708	1	12
1176	Trave	2458	2448	1	12
1177	Trave	304	314	1	12
1178	Trave	1140	1130	1	12
1179	Trave	1728	1718	1	12
1180	Trave	2468	2458	1	12
1181	Trave	314	324	1	12
1182	Trave	1150	1140	1	12
1183	Trave	1738	1728	1	12
1184	Trave	2478	2468	1	12
1185	Trave	324	334	1	12
1186	Trave	1160	1150	1	12
1187	Trave	1748	1738	1	12
1188	Trave	2488	2478	1	12
1189	Trave	334	344	1	12
1190	Trave	1170	1160	1	12

1191	Trave	1758	1748	1	12
1192	Trave	2498	2488	1	12
1193	Trave	344	354	1	12
1194	Trave	1180	1170	1	12
1195	Trave	1768	1758	1	12
1196	Trave	2508	2498	1	12
1197	Trave	354	364	1	12
1198	Trave	1190	1180	1	12
1199	Trave	1778	1768	1	12
1200	Trave	2518	2508	1	12
1201	Trave	364	374	1	12
1202	Trave	1200	1190	1	12
1203	Trave	1788	1778	1	12
1204	Trave	2528	2518	1	12
1205	Trave	374	384	1	12
1206	Trave	1210	1200	1	12
1207	Trave	1798	1788	1	12
1208	Trave	2538	2528	1	12
1209	Trave	384	394	1	12
1210	Trave	1220	1210	1	12
1211	Trave	1808	1798	1	12
1212	Trave	2548	2538	1	12
1213	Trave	394	404	1	12
1214	Trave	1230	1220	1	12
1215	Trave	1818	1808	1	12
1216	Trave	2558	2548	1	12
1217	Trave	404	414	1	12
1218	Trave	1240	1230	1	12
1219	Trave	1828	1818	1	12
1220	Trave	2568	2558	1	12
1221	Trave	414	424	1	12
1222	Trave	1250	1240	1	12
1223	Trave	1838	1828	1	12
1224	Trave	2578	2568	1	12
1225	Trave	424	434	1	12
1226	Trave	1260	1250	1	12
1227	Trave	1848	1838	1	12
1228	Trave	2588	2578	1	12
1229	Trave	434	444	1	12
1230	Trave	1270	1260	1	12
1231	Trave	1858	1848	1	12
1232	Trave	2598	2588	1	12
1233	Trave	444	454	1	12
1234	Trave	1280	1270	1	12
1235	Trave	1868	1858	1	12
1236	Trave	2608	2598	1	12
1237	Trave	454	464	1	12
1238	Trave	1290	1280	1	12
1239	Trave	1878	1868	1	12
1240	Trave	2618	2608	1	12
1241	Trave	464	474	1	12
1242	Trave	1300	1290	1	12
1243	Trave	1888	1878	1	12
1244	Trave	2628	2618	1	12
1245	Trave	474	484	1	12
1246	Trave	1310	1300	1	12
1247	Trave	1898	1888	1	12
1248	Trave	2638	2628	1	12
1249	Trave	484	494	1	12
1250	Trave	1320	1310	1	12
1251	Trave	1908	1898	1	12
1252	Trave	2648	2638	1	12
1253	Trave	494	504	1	12
1254	Trave	1330	1320	1	12
1255	Trave	1918	1908	1	12
1256	Trave	2658	2648	1	12
1257	Trave	504	514	1	12
1258	Trave	1340	1330	1	12
1259	Trave	1928	1918	1	12
1260	Trave	2668	2658	1	12
1261	Trave	514	524	1	12
1262	Trave	1350	1340	1	12
1263	Trave	1938	1928	1	12
1264	Trave	2678	2668	1	12
1265	Trave	524	534	1	12
1266	Trave	1360	1350	1	12
1267	Trave	1948	1938	1	12
1268	Trave	2688	2678	1	12
1269	Trave	534	544	1	12
1270	Trave	1370	1360	1	12
1271	Trave	1958	1948	1	12
1272	Trave	2698	2688	1	12
1273	Trave	544	554	1	12
1274	Trave	1380	1370	1	12
1275	Trave	1968	1958	1	12
1276	Trave	2708	2698	1	12
1277	Trave	554	564	1	12
1278	Trave	1390	1380	1	12
1279	Trave	1978	1968	1	12
1280	Trave	564	574	1	12
1281	Trave	1400	1390	1	12
1282	Trave	1988	1978	1	12
1283	Trave	574	584	1	12
1284	Trave	1410	1400	1	12
1285	Trave	1998	1988	1	12
1286	Trave	584	594	1	12
1287	Trave	1420	1410	1	12
1288	Trave	2008	1998	1	12
1289	Trave	594	604	1	12
1290	Trave	1430	1420	1	12
1291	Trave	2018	2008	1	12

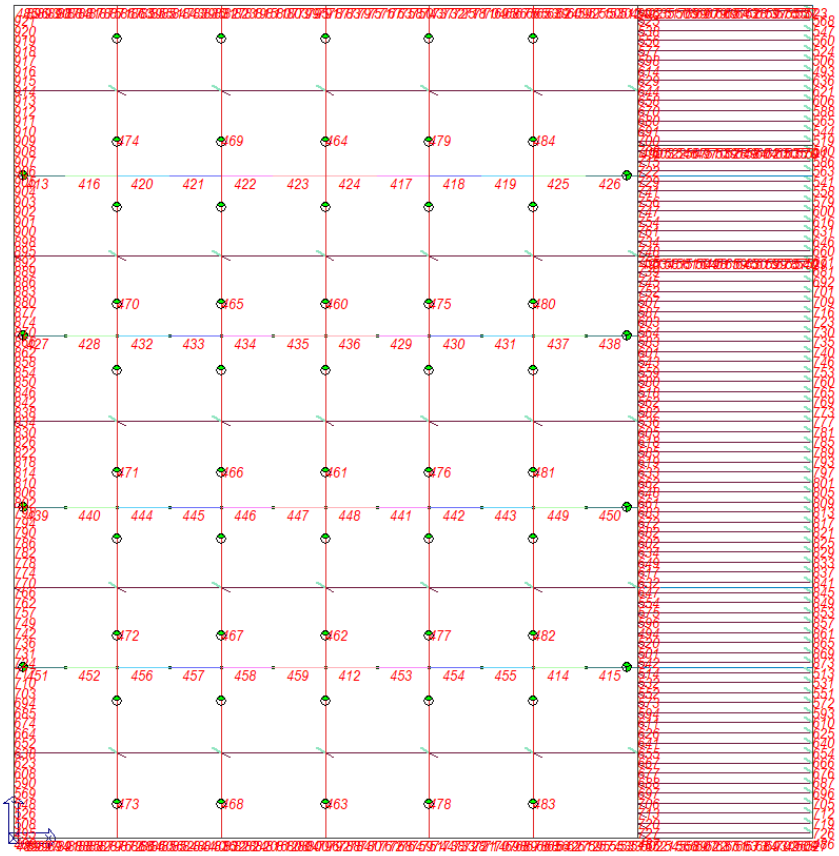
1292	Trave	604	614	1	12
1293	Trave	1440	1430	1	12
1294	Trave	2028	2018	1	12
1295	Trave	614	624	1	12
1296	Trave	1450	1440	1	12
1297	Trave	2038	2028	1	12
1298	Trave	624	634	1	12
1299	Trave	1460	1450	1	12
1300	Trave	2048	2038	1	12
1301	Trave	634	644	1	12
1302	Trave	2058	2048	1	12
1303	Trave	644	654	1	12
1304	Trave	654	664	1	12
1305	Trave	664	674	1	12
1306	Trave	674	684	1	12
1307	Trave	684	694	1	12
1308	Trave	694	704	1	12
1309	Trave	704	714	1	12
1310	Trave	714	724	1	12
1311	Trave	724	734	1	12
1312	Trave	734	744	1	12
1313	Trave	744	754	1	12
1314	Trave	754	764	1	12
1315	Trave	764	774	1	12
1316	Trave	774	784	1	12
1317	Trave	784	794	1	12
1318	Trave	794	804	1	12
1319	Trave	804	814	1	12
1320	Trave	814	824	1	12
1321	Trave	824	834	1	12
1322	Trave	834	844	1	12
1323	Trave	844	854	1	12
1324	Trave	854	17	1	12



Fondazioni



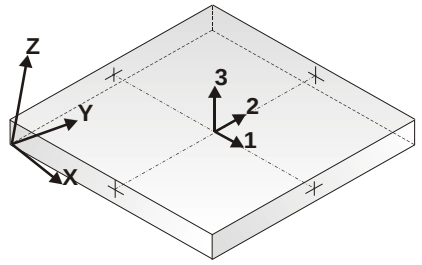
Solaio di piano



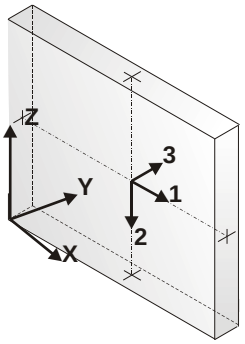
Copertura

MODELLAZIONE STRUTTURA: ELEMENTI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell. Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



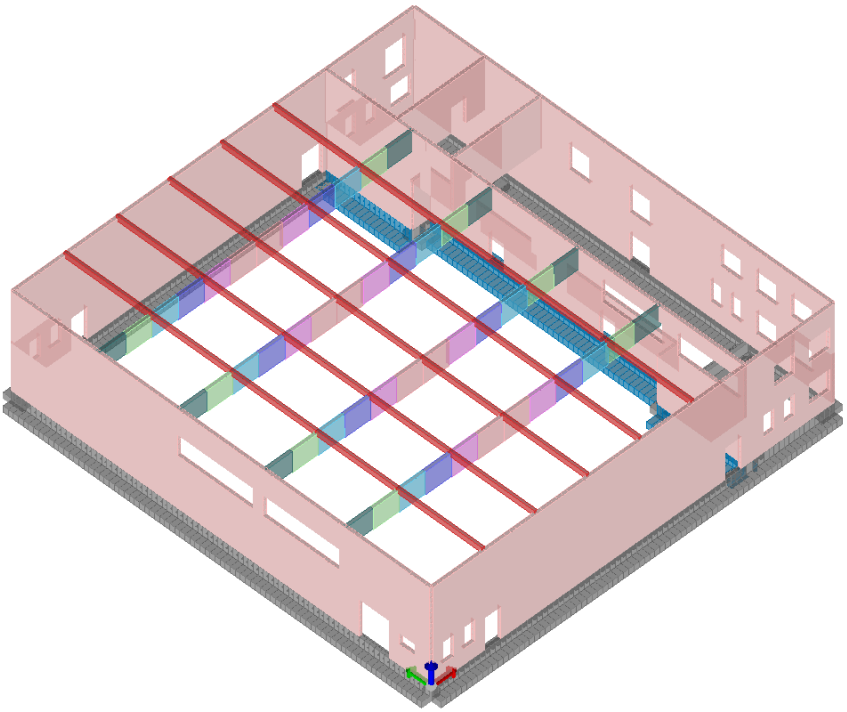
orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: *Guscio* (elemento guscio in elevazione non verticale) *Guscio fond.* (elemento guscio su suolo elastico) *Setto* (elemento guscio in elevazione verticale) *Membrana* (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale



MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello.
Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.
L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.
I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.
L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico ***Variab.*** Carico variabile generico ***Var. rid.*** Carico variabile generico con riduzione in funzione dell' area (c.5.5. …) ***Neve*** Carico
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore raro***
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore frequente***
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore quasi permanente***
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: ***per la definizione delle masse sismiche***
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

Elem	numero dell'elemento
Tipo	codice di comportamento ***S*** elemento utilizzato solo per scarico ***C*** elemento utilizzato per scarico e per modellazione piano rigido ***P*** elemento utilizzato come pannello ***M*** scarico monodirezionale ***B*** scarico bidirezionale
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali
Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla

progettazione con il metodo degli stati limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.
In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce instantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
	simboli utilizzati con il metodo delle tensioni ammissibili:
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
	simboli utilizzati con il metodo degli stati limite:
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).
Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura

sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.
Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [52].
- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.
(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)
In particolare i simboli utilizzati in tabella assumono il seguente significato:

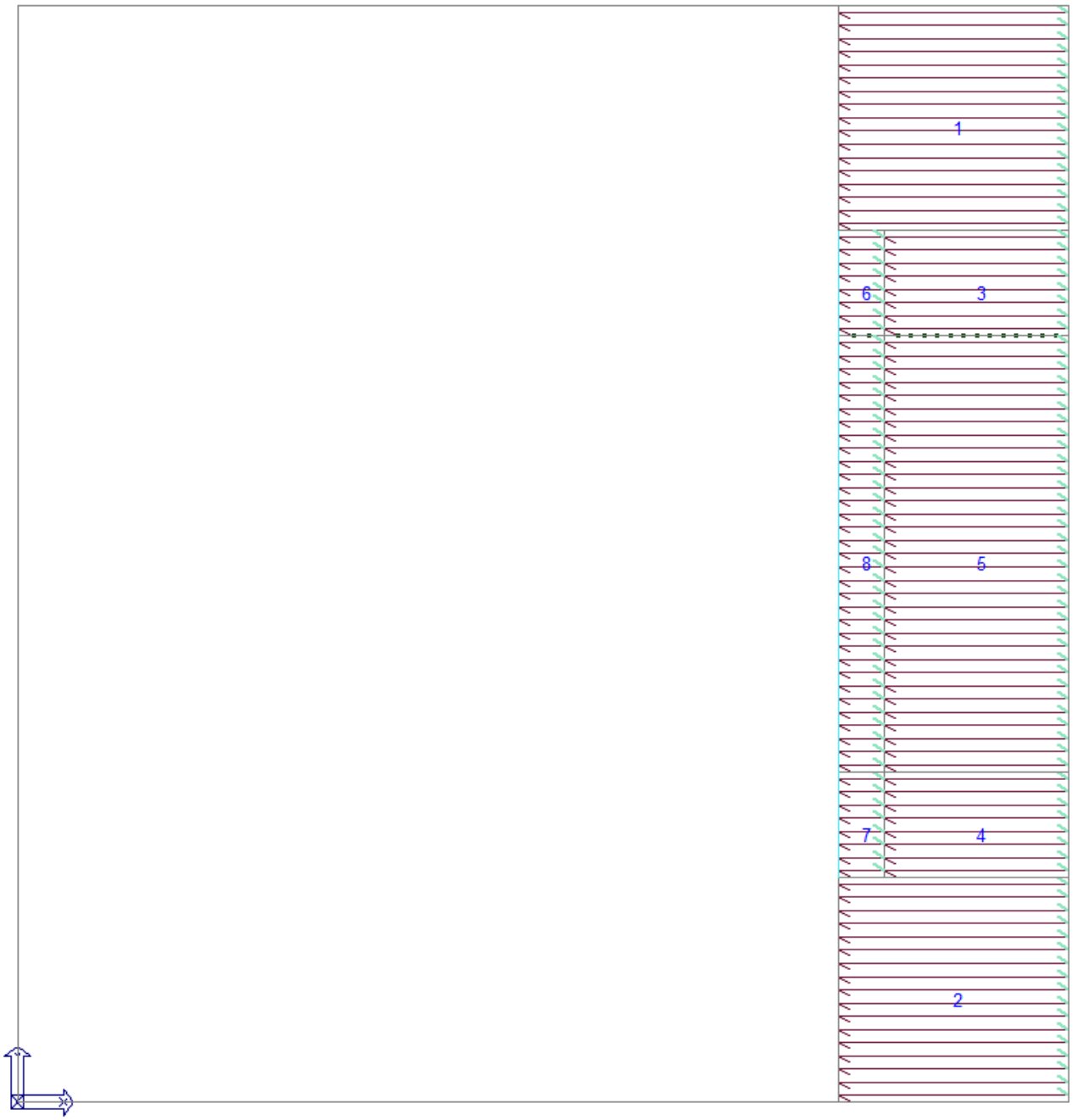
Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

ID Arch.	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
		daN/cm2	daN/cm2	daN/cm2							
1	Variab.	5.00e-02	2.80e-02	3.00e-02		1.00	0.70	0.50	0.30	0.30	1.00
2	Variab.	5.00e-02	3.00e-02	2.00e-02		1.00	0.70	0.50	0.30	0.30	1.00
3	Neve	5.00e-03		1.20e-02		1.00	0.50	0.20	0.0	0.0	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
						daN/cm2	daN/cm2	daN/cm2					
1	CM	1	m=1	6.0	0.0	5.00e-02	2.80e-02	3.00e-02	3058	3048	3038	3028	3018
									3008	2998	2988	2978	2968
									2958	2948	2938	2928	2918
									2908	22	3256	3246	24
									2228	2218	2208	2198	2188
									2178	2168	2158	2148	2138
									2128	2118	2108	2098	2088
									2078	2061	18	3602	3592
									3582	3572	3562	3552	3542
									3532	3522	3512	3502	3492
									3482	3331	3332	3342	20
2	CM	1	m=1	6.0	0.0	5.00e-02	2.80e-02	3.00e-02	3076	3086	3096	3106	3116
									3126	3136	3146	3156	3166
									3176	3186	3196	3206	3216
									3226	19	3313	3303	3302
									3352	3362	3372	3382	3392

									3402	3412	3422	3432	3442
									3452	3462	3472	16	2878
									2868	2858	2848	2838	2828
									2818	2808	2798	2788	2778
									2768	2758	2748	2738	2728
									2718	23	3274	3284	21
3	CM	1	m=1	6.0	0.0	5.00e-02	2.80e-02	3.00e-02	6866	6876	6886	6896	6906
									6916	6926	6936	2308	2298
									2288	2278	2268	2258	2248
									2238	2228	24		
4	CM	1	m=1	6.0	0.0	5.00e-02	2.80e-02	3.00e-02	3966	3996	4016	4046	4076
									4096	4126	23	2718	2708
									2698	2688	2678	2668	2658
									2648	2638	3936		
5	CM	1	m=1	6.0	0.0	5.00e-02	2.80e-02	3.00e-02	6946	6956	6966	6976	6986
									6996	7006	7016	7026	7036
									7046	7056	7066	7076	7086
									7096	7106	7116	7126	7136
									3626	3646	3676	3696	3726
									3756	3776	3806	3836	3856
									3886	3916	3936	2638	2628
									2618	2608	2598	2588	2578
									2568	2558	2548	2538	2528
									2518	2508	2498	2488	2478
									2468	2458	2448	2438	2428
									2418	2408	2398	2388	2378
									2368	2358	2348	2338	2328
									2318	2308	6936		
6	CM	1	m=1	6.0	0.0	5.00e-02	2.80e-02	3.00e-02	7940	7941	7952	5599	5611
									5855	7284	7291	6936	6926
									6916	6906	6896	6886	6876
									6866	24	3246	3256	22
7	CM	1	m=1	6.0	0.0	5.00e-02	2.80e-02	3.00e-02	4753	3822	6990	6991	1944
									1949	1479	21	3284	3274
									23	4126	4096	4076	4046
									4016	3996	3966	3936	4752
8	CM	1	m=1	6.0	0.0	5.00e-02	2.80e-02	3.00e-02	7291	7292	7411	7412	7413
									2513	2514	2515	7603	7604
									7605	5806	5807	5931	2702
									2750	2751	2830	2831	2832
									4175	4625	4636	7896	7904
									7905	4368	4369	4380	4543
									4544	4588	4718	4752	3936
									3916	3886	3856	3836	3806
									3776	3756	3726	3696	3676
									3646	3626	7136	7126	7116
									7106	7096	7086	7076	7066
									7056	7046	7036	7026	7016
									7006	6996	6986	6976	6966
									6956	6946	6936		
9	CM	2	m=1	6.0	0.0	5.00e-02	3.00e-02	2.00e-02	3821	3823	7919	1943	7929
									2035	7939	4193	4781	7620
									7610	7600	7590	7580	7570
									7560	7550	7900		
10	CM	2	m=1	6.0	0.0	5.00e-02	3.00e-02	2.00e-02	7628	7949	7638	7648	7658
									7281	7668	7678	3347	6654
									6620	80	139	121	157
									4355	4293	4244	4195	4085
									4036	3987	3925	3437	7218
									7208	7198	7188	7178	7168
									7158	7148	6669	5581	
11	CM	2	m=1	6.0	0.0	5.00e-02	3.00e-02	2.00e-02	4204	4256	4302	4348	4384
									4430	4476	4512	4558	4604
									4640	4686	4732	4768	4814
									4860	5923	6347	6383	6429
									6475	6511	6557	6603	6639
									6685	6731	6767	6813	6859
									4225	4351	4477	4573	6508
									6382	6316	6190	6064	5968
									5852	5726	5660	5484	5358
									5262	5136	5020	4924	4782
									4781	4193			
12	CM	2	m=1	6.0	0.0	5.00e-02	3.00e-02	2.00e-02	7404	7690	7700	2512	7710
									7720	7595	7730	7740	5805
									7750	7760	2701	7770	7780
									2822	7790	7800	4173	7810

									7820	7895	7830	7840	7935
									7850	7860	4542	7870	7880
									4717	7890	7900	7550	7540
									7530	7520	7510	7500	7490
									7480	7470	7460	7450	7440
									7430	7420	7410	7400	7390
									7380	7370	7360	7350	7340
									7330	7320	7310	7300	7290
									7280	7270	7260	7250	7240
									7230	7220	3457	3940	3989
									4051	4100	4197	4259	4308
									4357	159	127	141	1333
									4205	4206	3349	7680	
13	CM	2	m=1	6.0	0.0	5.00e-02	3.00e-02	2.00e-02	4895	4941	4987	5023	5069
									5115	5151	5197	5243	5279
									5325	5371	5407	5453	5499
									5535	5581	6669	6670	6844
									4350	4816	5052	5308	5664
									5980	6236	6542	6848	4864
									5790	6716	5392	6108	5771
									5772	5836	5872	5928	5964
									6000	6046	6092	6128	6174
									6220	6256	6302	5643	5644
									5708	4959			
14	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	3479	3517	3518	881	885
									884				
15	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	5627	3478	3479	884	883
									886				
16	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	4411	5615	5627	886	906
									4667				
17	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	3518	6287	6288	893	891
									881				
18	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	6288	6299	3477	904	903
									893				
19	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	3477	3519	7730	5579	905
									904				
20	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	3569	5869	5903	6288	6287
									3518				
21	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	5950	5951	3569	3518	3517
									3479				
22	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	5868	5949	5950	3479	3478
									5627				
23	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	4139	5867	5868	5627	5615
									4411				
24	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	5903	5904	5925	3477	6299
									6288				
25	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	5925	3579	7935	7730	3519
									3477				
26	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	894	895	3568	5903	5869
									3569				
27	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	3587	3588	894	3569	5951
									5950				
28	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	3567	3578	3587	5950	5949
									5868				
29	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	3883	3589	3567	5868	5867
									4139				
30	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	3568	3577	896	5925	5904
									5903				
31	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	896	5613	4193	7935	3579
									5925				
32	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	6394	6234	3568	895	894
33	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	6554	6394	894	3588	3587
34	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	6714	6554	3587	3578	3567
35	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	3621	6714	3567	3589	3883
36	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	6234	6074	896	3577	3568
37	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	6074	5923	4193	5613	896
38	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	884	885	881	5434	5594
39	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	886	883	884	5594	5754
40	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	4667	906	886	5754	4939
41	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	881	891	893	5274	5434
42	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	893	903	904	5114	5274
43	SM	3	m=58	20.0	0.0	5.00e-03		1.20e-02	904	905	5579	4963	5114



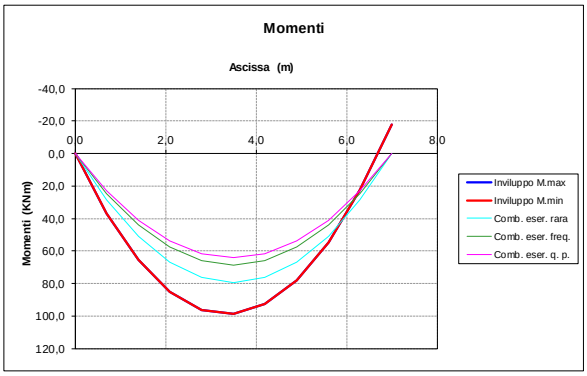
Solaio di piano

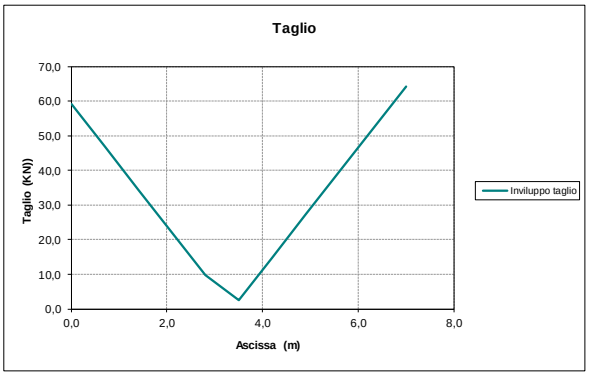
Solaio primo 1 e 2 (G=5.0+2.8 kN/mq ; Q=3.0 kN/mq)

Titolo SOLAIO PRIMO 1 campata

L	7	m
g	9,4	KN/m
q	3,6	KN/m

																		comb. carico
Sezioni di verifica			0,00	0,70	1,40	2,10	2,80	3,50	4,20	4,90	5,60	6,30	7,00					
Inviluppo M.max	Msin=-1/	0	*(1.3g+1.5q)*L^2	0,00	37,05	65,47	85,26	96,41	98,93	92,81	78,06	54,68	22,66	-17,99	Mdes=1/	48	*(1.3g+1.5q)*L^2	17,62
Inviluppo M.min	Msin=-1/	0	*(1.3g+1.5q)*L^2	0,00	37,05	65,47	85,26	96,41	98,93	92,81	78,06	54,68	22,66	-17,99	Mdes=1/	48	*(1.3g+1.5q)*L^2	17,62
Inviluppo taglio				59,10	46,77	34,43	22,10	9,76	2,57	14,90	27,24	39,57	51,91	64,24				
Comb. eser. rara	Msin=-1/	0	*(g+q)*L^2	0,00	28,67	50,96	66,89	76,44	79,63	76,44	66,89	50,96	28,67	0,00	Mdes=1/	0	*(g+q)*L^2	13
Comb. eser. freq.	Msin=-1/	0	*(g+0.5q)*L^2	0,00	24,70	43,90	57,62	65,86	68,60	65,86	57,62	43,90	24,70	0,00	Mdes=1/	0	*(g+0.5q)*L^2	11,2
Comb. eser. q. p.	Msin=-1/	0	*(g+0.3q)*L^2	0,00	23,11	41,08	53,92	61,62	64,19	61,62	53,92	41,08	23,11	0,00	Mdes=1/	0	*(g+0.3q)*L^2	10,48





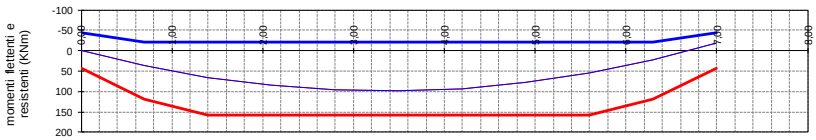
SOLAIO PRIMO 1 campata

Rck	Ec	fcd	fctd	Acciaio	fyd	Bsup	Binf	Sp_ala	h	c	d
MPa	(MPa)	MPa		tipo	MPa	cm			cm	cm	cm
30	31220	14,11	1,19	B450C	391	120	40	6	36	2	34

Luce di calcolo (m) 7,00

Verifica agli stati limite ultimi

Inviluppo Momento max					Coeff. di redistribuzione delta= 1,00				psi-max		
	0,00	37,05	65,47	85,26	96,41	98,93	92,81	78,06	54,68	22,66	-17,99
Inviluppo Momento min					Coeff. di redistribuzione delta=	1,00			psi-max		
	0,00	37,05	65,47	85,26	96,41	98,93	92,81	78,06	54,68	22,66	-17,99
As,sup,app	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	1,50
As,inf,app	0,00	3,10	5,47	7,13	8,06	8,27	7,76	6,52	4,57	1,89	0,00
X	**0,00**	**0,70**	**1,40**	**2,10**	**2,80**	**3,50**	**4,20**	**4,90**	**5,60**	**6,30**	**7,00**
Armatura (cmq)											
ϕ6		6	6	6	6	6	6	6	6	6	
ϕ8											
ϕ10											
ϕ12	3										3
As,sup	3,39	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	3,39
As,inf	3,39	9,42	12,57	12,57	12,57	12,57	12,57	12,57	12,57	9,42	3,39
ϕ5											
ϕ8											
ϕ12	3										3
ϕ20		3	4	4	4	4	4	4	4	3	
Momenti positivi											
b	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00
psi	0,07	0,13	0,15	0,15	0,15	0,15	0,15	0,15	0,15	0,13	0,07
M+res	43,84	119,46	157,84	157,84	157,84	157,84	157,84	157,84	157,83	119,46	43,84
Momenti negativi											
b	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00
psi	0,11	0,07	0,07	0,07	0,07	0,07	0,07	0,07	0,07	0,07	0,11
M-res	-43,04	-21,68	-21,66	-21,66	-21,66	-21,66	-21,66	-21,66	-21,66	-21,68	-43,04



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,77		V = 0,41		vbd = 55,79		
Vsd	59,10	46,77	34,43	22,10	9,76	2,57	14,90	27,24	39,57	51,91	64,24
ρ_1	0,0025	0,0069	0,0092	0,0092	0,0092	0,0092	0,0092	0,0092	0,0092	0,0069	0,0025
Bmin	42,37	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	46,06

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 16 copr.netto 1,20

Beta,2 0,50 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	3,39	9,42	12,57	12,57	12,57	12,57	12,57	12,57	12,57	9,42	3,39
A's (cmq)	3,39	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	3,39
b resistente	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00
Y	7,36	7,71	8,75	8,75	8,75	8,75	8,75	8,75	8,75	7,71	7,36
Wc	5829	15150	16939	16939	16939	16939	16939	16939	16939	15150	5829
Ws	1610	4446	5866	5866	5866	5866	5866	5866	5866	4446	1610
N. barre	3	3	4	4	4	4	4	4	4	3	3
dist. barre	18,00	22,40	22,40	22,40	22,40	22,40	22,40	22,40	22,40	22,40	18,00
Beff (cm)	40	49	71	71	71	71	71	71	71	49	40
Deff (cm)	13,20	13,20	13,20	13,20	13,20	13,20	13,20	13,20	13,20	13,20	13,20
Aeff	528,00	644,16	939,84	939,84	939,84	939,84	939,84	939,84	939,84	644,16	528,00
RO,r	0,64%	1,46%	1,34%	1,34%	1,34%	1,34%	1,34%	1,34%	1,34%	1,46%	0,64%

Combinazioni di carico

Rara	0,00	28,67	50,96	66,89	76,44	79,63	76,44	66,89	50,96	28,67	0,00
Frequente	0,00	24,70	43,90	57,62	65,86	68,60	65,86	57,62	43,90	24,70	0,00
Quasi perm.	0,00	23,11	41,08	53,92	61,62	64,19	61,62	53,92	41,08	23,11	0,00

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.70*fyk =		315 MPa	
Sigma,C	-0,01	-1,89	-3,01	-3,95	-4,51	-4,70	-4,51	-3,95	-3,01	-1,89	-0,01
Sigma,S	0,01	96,70	130,32	171,04	195,48	203,62	195,48	171,04	130,32	96,70	0,01
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-0,01	-1,53	-2,43	-3,18	-3,64	-3,79	-3,64	-3,18	-2,43	-1,53	-0,01

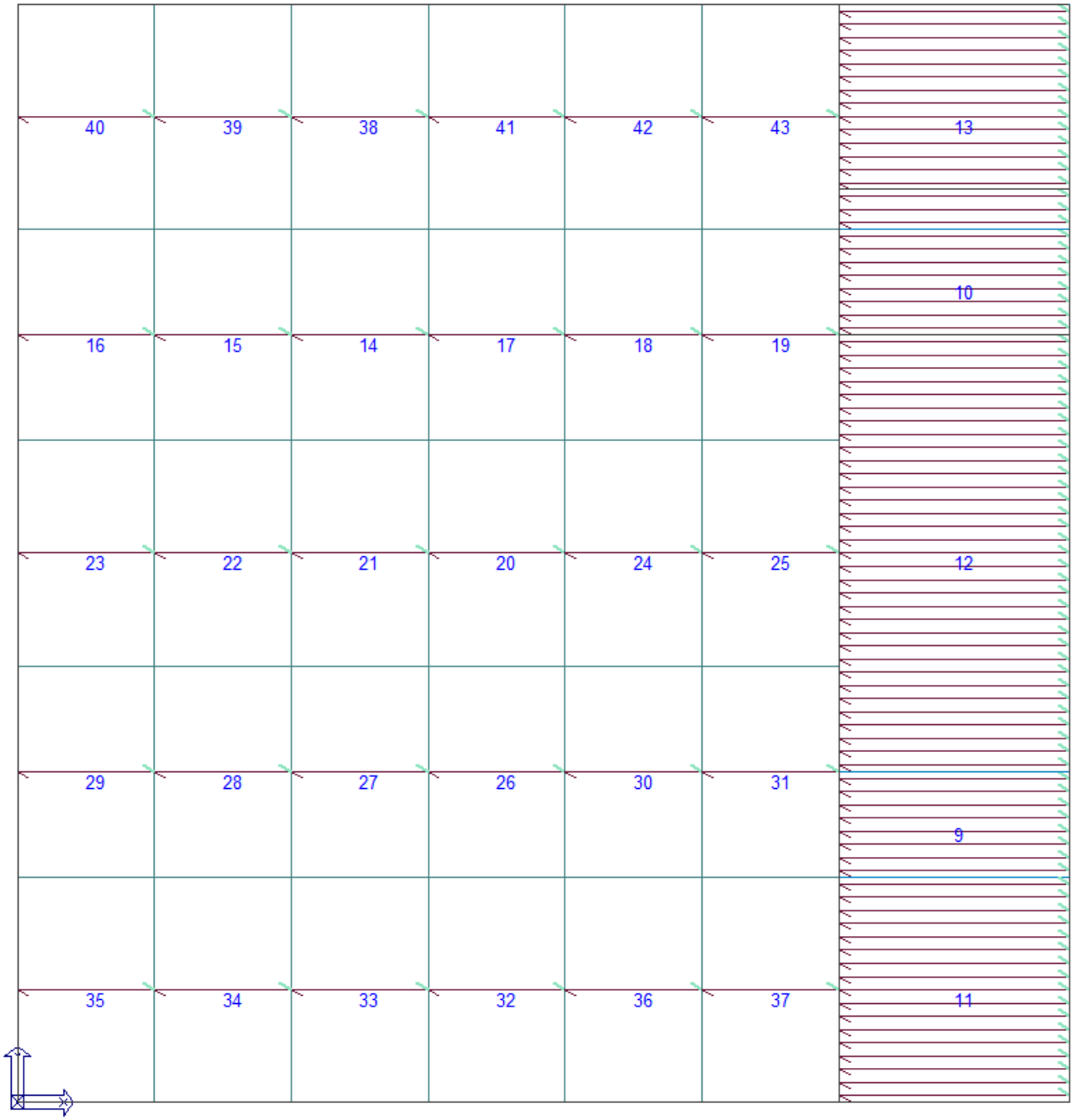
Verifica allo stato limite di apertura fessure

Srm (mm)	184,49	123,48	128,63	128,63	128,63	128,63	128,63	128,63	128,63	123,48	184,49
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	0,10	83,31	112,28	147,36	168,41	175,43	168,41	147,36	112,28	83,31	0,10
Eps,sm	0,000%	0,000%	0,022%	0,039%	0,053%	0,057%	0,053%	0,039%	0,022%	0,000%	0,000%
Wk (mm)	0,000	0,000	0,048	0,084	0,116	0,126	0,116	0,084	0,048	0,000	0,000
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	0,10	77,96	105,06	137,89	157,59	164,15	157,59	137,89	105,06	77,96	0,10
Eps,sm	0,000%	0,000%	0,020%	0,032%	0,046%	0,050%	0,046%	0,032%	0,020%	0,000%	0,000%
Wk (mm)	0,000	0,000	0,045	0,069	0,100	0,110	0,100	0,069	0,045	0,000	0,000

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	0,000%	-0,005%	-0,008%	-0,010%	-0,012%	-0,012%	-0,012%	-0,010%	-0,008%	-0,005%	0,000%
EpsSm	0,000%	0,036%	0,049%	0,066%	0,075%	0,079%	0,075%	0,066%	0,049%	0,036%	0,000%
1/r	0,0000%	-0,0012%	-0,0017%	-0,0022%	-0,0026%	-0,0027%	-0,0026%	-0,0022%	-0,0017%	-0,0012%	0,0000%
rot.	0,0000	-0,0004	-0,0014	-0,0028	-0,0045	-0,0063	-0,0081	-0,0098	-0,0112	-0,0122	-0,0126
freccia	0,00	-0,01	-0,08	-0,23	-0,48	-0,86	-1,36	-1,99	-2,72	-3,54	-4,41
freccia	0,000	0,426	0,803	1,096	1,283	1,347	1,283	1,096	0,803	0,426	0,000
freccia massima:		1,35 cm			pari a L/	520					
verifica sommaria:		Rapporto di snellezza effettivo l/h =				19,44	<	26,00 Rapporto limite			



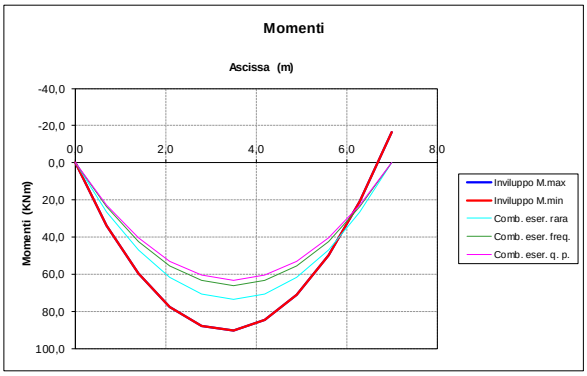
Solaio di copertura

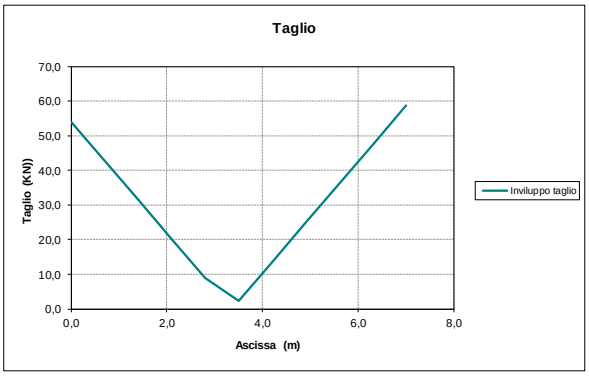
Solaio copertura 9 ; 10 ; 11 ; 12 ; 13 (G=5.0+3.0 kN/mq ; Q=2.0 kN/mq)

Titolo SOLAIO COPERTURA 1 campata

L	7	m
g	9,6	KN/m
q	2,4	KN/m

																		comb. carico
Sezioni di verifica			0,00	0,70	1,40	2,10	2,80	3,50	4,20	4,90	5,60	6,30	7,00					
Inviluppo M.max	Msin=-1/	0	*(1.3g+1.5q)*L^2	0,00	33,81	59,75	77,81	87,98	90,28	84,70	71,24	49,90	20,68	-16,42	Mdes=1/	48	*(1.3g+1.5q)*L^2	16,08
Inviluppo M.min	Msin=-1/	0	*(1.3g+1.5q)*L^2	0,00	33,81	59,75	77,81	87,98	90,28	84,70	71,24	49,90	20,68	-16,42	Mdes=1/	48	*(1.3g+1.5q)*L^2	16,08
Inviluppo taglio				53,94	42,68	31,42	20,17	8,91	2,35	13,60	24,86	36,11	47,37	58,63				
Comb. eser. rara	Msin=-1/	0	*(g+q)*L^2	0,00	26,46	47,04	61,74	70,56	73,50	70,56	61,74	47,04	26,46	0,00	Mdes=1/	0	*(g+q)*L^2	12
Comb. eser. freq.	Msin=-1/	0	*(g+0.5q)*L^2	0,00	23,81	42,34	55,57	63,50	66,15	63,50	55,57	42,34	23,81	0,00	Mdes=1/	0	*(g+0.5q)*L^2	10,8
Comb. eser. q. p.	Msin=-1/	0	*(g+0.3q)*L^2	0,00	22,76	40,45	53,10	60,68	63,21	60,68	53,10	40,45	22,76	0,00	Mdes=1/	0	*(g+0.3q)*L^2	10,32





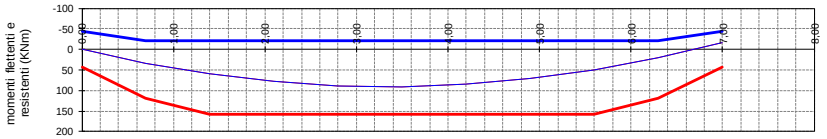
SOLAIO COPERTURA 1 campata

Rck	Ec	fcd	fctd	Acciaio	fyd	Bsup	Binf	Sp_ala	h	c	d
MPa	(MPa)	MPa		tipo	MPa	cm			cm	cm	cm
30	31220	14,11	1,19	B450C	391	120	40	6	36	2	34

Luce di calcolo (m) 7,00

Verifica agli stati limite ultimi

Inviluppo Momento max				Coeff. di redistribuzione delta= 1,00				psi-max			
	0,00	33,81	59,75	77,81	87,98	90,28	84,70	71,24	49,90	20,68	-16,42
Inviluppo Momento min				Coeff. di redistribuzione delta=		1,00		psi-max			
	0,00	33,81	59,75	77,81	87,98	90,28	84,70	71,24	49,90	20,68	-16,42
As,sup,app	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	1,37
As,inf,app	0,00	2,83	4,99	6,50	7,35	7,55	7,08	5,95	4,17	1,73	0,00
X	**0,00**	**0,70**	**1,40**	**2,10**	**2,80**	**3,50**	**4,20**	**4,90**	**5,60**	**6,30**	**7,00**
Armatura (cmq)											
ϕ6		6	6	6	6	6	6	6	6	6	
ϕ8											
ϕ10											
ϕ12	3										3
As,sup	3,39	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	3,39
As,inf	3,39	9,42	12,57	12,57	12,57	12,57	12,57	12,57	12,57	9,42	3,39
ϕ5											
ϕ8											
ϕ12	3										3
ϕ20		3	4	4	4	4	4	4	4	3	
Momenti positivi											
b	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00
psi	0,07	0,13	0,15	0,15	0,15	0,15	0,15	0,15	0,15	0,13	0,07
M+res	43,84	119,46	157,84	157,84	157,84	157,84	157,84	157,84	157,83	119,46	43,84
Momenti negativi											
b	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00
psi	0,11	0,07	0,07	0,07	0,07	0,07	0,07	0,07	0,07	0,07	0,11
M-res	-43,04	-21,68	-21,66	-21,66	-21,66	-21,66	-21,66	-21,66	-21,66	-21,68	-43,04



VERIFICA ALLO S.L.U. DI TAGLIO					k = 1,77		v = 0,41		vbd = 55,79		
Vsd	53,94	42,68	31,42	20,17	8,91	2,35	13,60	24,86	36,11	47,37	58,63
ρ_1	0,0025	0,0069	0,0092	0,0092	0,0092	0,0092	0,0092	0,0092	0,0092	0,0069	0,0025
Bmin	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	40,00	42,03

VERIFICA AGLI S.L. DI ESERCIZIO

Caratteristiche geometriche sezioni

Per gruppo di esigenze cond. ambientali poco aggressive e armatura poco sensibile:

Beta,1 1,00 K2 0,40 Diam.min. 16 copr.netto 1,20

Beta,2 0,50 K3 0,13 Sig,SR 101,38 n 15

As (cmq)	3,39	9,42	12,57	12,57	12,57	12,57	12,57	12,57	12,57	9,42	3,39
A's (cmq)	3,39	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	1,70	3,39
b resistente	40,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	120,00	40,00
Y	7,36	7,71	8,75	8,75	8,75	8,75	8,75	8,75	8,75	7,71	7,36
Wc	5829	15150	16939	16939	16939	16939	16939	16939	16939	15150	5829
Ws	1610	4446	5866	5866	5866	5866	5866	5866	5866	4446	1610
N. barre	3	3	4	4	4	4	4	4	4	3	3
dist. barre	18,00	22,40	22,40	22,40	22,40	22,40	22,40	22,40	22,40	22,40	18,00
Beff (cm)	40	49	71	71	71	71	71	71	71	49	40
Deff (cm)	13,20	13,20	13,20	13,20	13,20	13,20	13,20	13,20	13,20	13,20	13,20
Aeff	528,00	644,16	939,84	939,84	939,84	939,84	939,84	939,84	939,84	644,16	528,00
RO,r	0,64%	1,46%	1,34%	1,34%	1,34%	1,34%	1,34%	1,34%	1,34%	1,46%	0,64%

Combinazioni di carico

Rara	0,00	26,46	47,04	61,74	70,56	73,50	70,56	61,74	47,04	26,46	0,00
Frequente	0,00	23,81	42,34	55,57	63,50	66,15	63,50	55,57	42,34	23,81	0,00
Quasi perm.	0,00	22,76	40,45	53,10	60,68	63,21	60,68	53,10	40,45	22,76	0,00

Verifica allo stato limite di tensione in esercizio

Combinazione rara			Sigma,C,amm = 0.60*fck =		14,94 MPa			Sigma,S,amm = 0.70*fyk =		315 MPa	
Sigma,C	-0,01	-1,75	-2,78	-3,64	-4,17	-4,34	-4,17	-3,64	-2,78	-1,75	-0,01
Sigma,S	0,01	89,27	120,29	157,89	180,44	187,96	180,44	157,89	120,29	89,27	0,01
Combinazione quasi permanente								Sigma,C,amm = 0.45*fck =		11,21 MPa	
Sigma,C	-0,01	-1,50	-2,39	-3,13	-3,58	-3,73	-3,58	-3,13	-2,39	-1,50	-0,01

Verifica allo stato limite di apertura fessure

Srm (mm)	184,49	123,48	128,63	128,63	128,63	128,63	128,63	128,63	128,63	123,48	184,49
Combinazione frequente				Apertura limite=W3=		0,20 mm					
Sigma,S	0,10	80,34	108,27	142,10	162,40	169,16	162,40	142,10	108,27	80,34	0,10
Eps,sm	0,000%	0,000%	0,021%	0,035%	0,049%	0,053%	0,049%	0,035%	0,021%	0,000%	0,000%
Wk (mm)	0,000	0,000	0,046	0,076	0,107	0,117	0,107	0,076	0,046	0,000	0,000
Combinazione quasi permanente				Apertura limite=W2=		0,20 mm					
Sigma,S	0,10	76,77	103,45	135,78	155,18	161,65	155,18	135,78	103,45	76,77	0,10
Eps,sm	0,000%	0,000%	0,020%	0,030%	0,044%	0,048%	0,044%	0,030%	0,020%	0,000%	0,000%
Wk (mm)	0,000	0,000	0,044	0,066	0,096	0,106	0,096	0,066	0,044	0,000	0,000

Verifica allo stato limite di deformazione

Verifica esatta: combinazione quasi permamente

EpsCm	0,000%	-0,005%	-0,008%	-0,010%	-0,011%	-0,012%	-0,011%	-0,010%	-0,008%	-0,005%	0,000%
EpsSm	0,000%	0,035%	0,048%	0,065%	0,074%	0,077%	0,074%	0,065%	0,048%	0,035%	0,000%
1/r	0,0000%	-0,0012%	-0,0017%	-0,0022%	-0,0025%	-0,0026%	-0,0025%	-0,0022%	-0,0017%	-0,0012%	0,0000%
rot.	0,0000	-0,0004	-0,0014	-0,0027	-0,0044	-0,0062	-0,0080	-0,0096	-0,0110	-0,0120	-0,0124
freccia	0,00	-0,01	-0,08	-0,22	-0,47	-0,84	-1,34	-1,96	-2,68	-3,48	-4,33
freccia	0,000	0,419	0,789	1,078	1,262	1,325	1,262	1,078	0,789	0,419	0,000
freccia massima:		1,32 cm			pari a L/	528					
verifica sommaria:		Rapporto di snellezza effettivo l/h =				19,44	<	26,00 Rapporto limite			

SCHEMATIZZAZIONE DEI CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.
Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	*Tipo*	*Descrizione*
1	**Ggk**	A	caso di carico comprensivo del peso proprio struttura
2	**Gk**	NA	caso di carico con azioni permanenti
3	**Qk**	NA	caso di carico con azioni variabili
4	**Gsk**	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	**Qsk**	A	caso di carico comprensivo dei carichi variabili sui solai
6	**Qnk**	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	**Qtk**	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	**Qvk**	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	**Esk**	SA	caso di carico sismico con analisi statica equivalente
10	**Edk**	SA	caso di carico sismico con analisi dinamica
11	**Etk**	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	**Pk**	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.
Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.
Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.
Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).
In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Qsk	CDC=Qsk (variabile solai)	
5	Qnk	CDC=Qnk (carico da neve)	
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qsk (variabile solai)
			partecipazione:1.00 per 5 CDC=Qnk (carico da neve)
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico

DEFINIZIONE DELLE COMBINAZIONI

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.
Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.
La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.
Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:
***Combinazione fondamentale** SLU*

$$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$$

***Combinazione caratteristica** (rara) SLE*

$$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$$

***Combinazione frequente** SLE*

$$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$$

***Combinazione quasi permanente** SLE*

$$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$$

***Combinazione sismica**, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E*

$$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$$

***Combinazione eccezionale**, impiegata per gli stati limite connessi alle azioni eccezionali*

$$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
Categoria A residenziali	*0,70*	*0,50*	*0,30*
Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,…	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*0,60*	*0,50*	*0,00*

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:
- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),
- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli* *Sfavorevoli*	*γG1*	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*
Carichi permanenti non strutturali (Non compiutamente definiti)	*Favorevoli* *Sfavorevoli*	*γG2*	*0,8* *1,5*	*0,8* *1,5*	*0,8* *1,3*
Carichi variabili	*Favorevoli* *Sfavorevoli*	*γQi*	*0,0* *1,5*	*0,0* *1,5*	*0,0* *1,3*

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLU	Comb. SLU A1 (SLV sism.) 45	
46	SLU	Comb. SLU A1 (SLV sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	

Cmb	Tipo	Sigla Id	effetto P-delta
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLD(sis)	Comb. SLE (SLD Danno sism.) 77	
78	SLD(sis)	Comb. SLE (SLD Danno sism.) 78	
79	SLE(r)	Comb. SLE(rara) 79	
80	SLE(r)	Comb. SLE(rara) 80	
81	SLE(r)	Comb. SLE(rara) 81	
82	SLE(r)	Comb. SLE(rara) 82	
83	SLE(r)	Comb. SLE(rara) 83	
84	SLE(r)	Comb. SLE(rara) 84	
85	SLE(r)	Comb. SLE(rara) 85	
86	SLE(f)	Comb. SLE(freq.) 86	
87	SLE(f)	Comb. SLE(freq.) 87	
88	SLE(f)	Comb. SLE(freq.) 88	
89	SLE(f)	Comb. SLE(freq.) 89	
90	SLE(f)	Comb. SLE(freq.) 90	
91	SLE(p)	Comb. SLE(perm.) 91	
92	SLE(p)	Comb. SLE(perm.) 92	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	1.00	1.00	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	1.00	1.00	0.80	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	1.30	1.30	1.50	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	1.00	1.00	0.80	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	1.00	1.00	0.80	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
16	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
17	1.00	1.00	1.00	0.30	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
18	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
19	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	
20	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	
21	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	
22	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	
23	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	
24	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	
25	1.00	1.00	1.00	0.30	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	
26	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	
27	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	
28	1.00	1.00	1.00	0.30	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	
29	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	
30	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	
31	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
32	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
33	1.00	1.00	1.00	0.30	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
34	1.00	1.00	1.00	0.30	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
35	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	
36	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	
37	1.00	1.00	1.00	0.30	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	
38	1.00	1.00	1.00	0.30	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	
39	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	
40	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	
41	1.00	1.00	1.00	0.30	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	
42	1.00	1.00	1.00	0.30	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	
43	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	
44	1.00	1.00	1.00	0.30	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	
45	1.00	1.00	1.00	0.30	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	
46	1.00	1.00	1.00	0.30	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	
47	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
48	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	
49	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	
50	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	
51	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	
52	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	
53	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	
54	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	
55	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	
56	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	
57	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	
58	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	
59	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	
60	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	
61	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	
62	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	
63	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	
64	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	
65	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	
66	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	
67	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	
68	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	
69	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	
70	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	
71	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	
72	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	
73	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	
74	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	
75	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	
76	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	
77	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	
78	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	
79	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
80	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
81	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
82	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
83	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
84	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
85	1.00	1.00	1.00	0.70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
86	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
87	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
88	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
89	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
90	1.00	1.00	1.00	0.30	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
91	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
92	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.
Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).
L'azione sismica viene definita in relazione ad un periodo di riferimento Vr che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):
ag: accelerazione orizzontale massima del terreno;
Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
III	100.0	1.5	150	B	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:
S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

			Km				
Loc.	12.207	45.719					
11637	12.204	45.678	4.566				
11638	12.275	45.679	6.922				
11416	12.274	45.729	5.334				
11415	12.203	45.728	1.017				
SL	**Pver**	**Tr**	**ag**	**Fo**	**T*c**		
		Anni	g		sec		
SLO	81.0	90.0	0.079	2.440	0.280		
SLD	63.0	151.0	0.101	2.430	0.290		
SLV	10.0	1424.0	0.259	2.490	0.350		
SLC	5.0	2475.0	0.322	2.490	0.360		
SL	**ag**	**S**	**Fo**	**Fv**	**Tb**	**Tc**	**Td**
	g				sec	sec	sec
SLO	0.079	1.200	2.440	0.926	0.132	0.397	1.916
SLD	0.101	1.200	2.430	1.043	0.136	0.409	2.004
SLV	0.259	1.142	2.490	1.712	0.158	0.475	2.637
SLC	0.322	1.079	2.490	1.909	0.162	0.486	2.890

RISULTATI ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.
Sono previsti, infatti, i seguenti casi di carico:

9. Esk caso di carico sismico con analisi statica equivalente
10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).
Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l' azione sismica: in particolare possono essere presenti i seguenti valori:

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell' ordinata dello spettro in uso nel tratto costante
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

c) **analisi sismica statica equivalente**:
- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- azione sismica complessiva

d) **analisi sismica dinamica con spettro di risposta**:
- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo) **,** indici di regolarità e/r secondo EC8 4.2.3.2
- frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
- massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per

edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).
Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione etaT, etaP e etaD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità 1000*etaT/h da confrontare direttamente con il valore 2 o 4 per la verifica.
Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare 619/2009 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elestomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

7) V > 0
8) Sig s < fyk
9) Gam t < 5
10) Gam s < Gam * (caratteristica dell' elastomero)
11) Gam s < 2
12) V < 0.5 Vcr

La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B").

Parametri fattore in direzione x e y

Sistema costruttivo: calcestruzzo
Tipologia strutturale: strutture a pareti non accoppiate
Valore base fattore q_0 = 3.000
Fattore pareti k_w = 1.000
Fattore di regolarità K_R = 1.0
Fattore dissipativo $q_D = q_0 \cdot k_w \cdot K_R$ = 3.000

Fattori di comportamento utilizzati

	Dissipativi
q SLU x	3.000
q SLU y	3.000
q SLU z	1.500

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.142
			ordinata spettro (tratto Tb-Tc) = 0.246 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.213 sec.
			fattore q: 3.000
			fattore per spost. mu d: 5.455
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
786.25	2.852e+05	2194.35	1435.93	0.0	-166.25	1893.33	1671.71	1.982	0.161	0.097
745.63	4.508e+04	1860.78	1731.99	0.0	-166.25	1893.33	1671.71	1.982	0.017	0.025
705.00	1.054e+05	2421.06	2356.95	0.0	-166.25	1893.33	1671.71	1.982	0.282	0.282
664.38	4.386e+04	1843.27	1764.03	0.0	-166.25	1759.11	1671.72	2.372	0.041	0.038
623.75	4.126e+04	1784.54	1821.02	0.0	-166.25	1598.12	1722.57	2.225	0.094	0.040
583.13	3.779e+04	1791.30	1862.46	0.0	-166.25	1679.12	1721.95	2.266	0.056	0.058
542.50	3.571e+04	1846.87	1881.13	0.0	-166.25	1679.12	1721.95	2.266	0.084	0.065
501.88	3.693e+04	1868.13	1838.16	0.0	-166.25	1848.83	1721.94	1.853	0.011	0.047
461.25	3.917e+04	1919.12	1759.38	0.0	-166.25	1964.11	1498.99	1.880	0.025	0.107
420.63	4.171e+04	1877.36	1709.59	0.0	-166.25	1890.11	1498.99	1.888	0.007	0.085
380.00	3.053e+05	2538.99	1664.97	0.0	-166.25	1902.93	1662.50	2.050	0.339	0.001
337.78	4.390e+04	1806.66	1662.50	0.0	-166.25	1902.93	1662.50	1.986	0.051	0.0
295.56	4.166e+04	1793.58	1688.98	0.0	-166.25	1875.33	1670.67	1.735	0.047	0.007
253.33	3.856e+04	1791.34	1723.46	0.0	-166.25	1950.72	1664.27	1.627	0.094	0.022
211.11	3.716e+04	1789.29	1730.42	0.0	-166.25	1943.51	1664.27	1.637	0.091	0.025
168.89	3.679e+04	1766.28	1725.52	0.0	-166.25	1867.78	1664.26	1.653	0.059	0.023
126.67	3.887e+04	1789.82	1697.70	0.0	-166.25	1982.84	1659.49	1.904	0.105	0.016
84.44	4.078e+04	1818.02	1678.49	0.0	-166.25	1982.84	1659.49	1.904	0.090	0.008
42.22	4.078e+04	1818.02	1678.49	0.0	-166.25	1982.84	1659.49	1.904	0.090	0.008
Risulta	1.336e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.892	0.529	0.221	5.61	4.20e-04	2.129e+05	15.9	0.02	1.76e-06	0.0	0.0
2	3.933	0.254	0.246	2558.63	0.2	3.23	2.41e-04	5.589e+04	4.2	0.0	0.0
3	4.689	0.213	0.246	1.025e+06	76.7	1546.64	0.1	96.84	7.25e-03	0.0	0.0
4	4.894	0.204	0.246	1.383e+05	10.4	2.469e+04	1.8	0.16	1.23e-05	0.0	0.0
5	6.122	0.163	0.246	1.638e+04	1.2	4.042e+05	30.3	33.74	2.53e-03	0.0	0.0
6	7.167	0.140	0.252	1.071e+04	0.8	6.564e+05	49.1	107.67	8.06e-03	0.0	0.0
7	10.381	0.096	0.265	1.223e+05	9.2	5894.35	0.4	15.72	1.18e-03	0.0	0.0
8	12.124	0.082	0.270	446.16	3.34e-02	1054.75	7.90e-02	6.211e+05	46.5	0.0	0.0
9	15.780	0.063	0.276	151.22	1.13e-02	1048.19	7.85e-02	6.426e+05	48.1	0.0	0.0
Risulta				1.316e+06		1.308e+06		1.320e+06			
In percentuale				98.52		97.89		98.79			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.142
			ordinata spettro (tratto Tb-Tc) = 0.246 g

CDC	Tipo	Sigla Id	Note
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.213 sec.
			fattore q: 3.000
			fattore per spost. mu d: 5.456
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
786.25	2.852e+05	2194.35	1435.93	0.0	166.25	1893.33	1671.71	1.982	0.161	0.097
745.63	4.508e+04	1860.78	1731.99	0.0	166.25	1893.33	1671.71	1.982	0.017	0.025
705.00	1.054e+05	2421.06	2356.95	0.0	166.25	1893.33	1671.71	1.982	0.282	0.282
664.38	4.386e+04	1843.27	1764.03	0.0	166.25	1759.11	1671.72	2.372	0.041	0.038
623.75	4.126e+04	1784.54	1821.02	0.0	166.25	1598.12	1722.57	2.225	0.094	0.040
583.13	3.779e+04	1791.30	1862.46	0.0	166.25	1679.12	1721.95	2.266	0.056	0.058
542.50	3.571e+04	1846.87	1881.13	0.0	166.25	1679.12	1721.95	2.266	0.084	0.065
501.88	3.693e+04	1868.13	1838.16	0.0	166.25	1848.83	1721.94	1.853	0.011	0.047
461.25	3.917e+04	1919.12	1759.38	0.0	166.25	1964.11	1498.99	1.880	0.025	0.107
420.63	4.171e+04	1877.36	1709.59	0.0	166.25	1890.11	1498.99	1.888	0.007	0.085
380.00	3.053e+05	2538.99	1664.97	0.0	166.25	1902.93	1662.50	2.050	0.339	0.001
337.78	4.390e+04	1806.66	1662.50	0.0	166.25	1902.93	1662.50	1.986	0.051	0.0
295.56	4.166e+04	1793.58	1688.98	0.0	166.25	1875.33	1670.67	1.735	0.047	0.007
253.33	3.856e+04	1791.34	1723.46	0.0	166.25	1950.72	1664.27	1.627	0.094	0.022
211.11	3.716e+04	1789.29	1730.42	0.0	166.25	1943.51	1664.27	1.637	0.091	0.025
168.89	3.679e+04	1766.28	1725.52	0.0	166.25	1867.78	1664.26	1.653	0.059	0.023
126.67	3.887e+04	1789.82	1697.70	0.0	166.25	1982.84	1659.49	1.904	0.105	0.016
84.44	4.078e+04	1818.02	1678.49	0.0	166.25	1982.84	1659.49	1.904	0.090	0.008
42.22	4.078e+04	1818.02	1678.49	0.0	166.25	1982.84	1659.49	1.904	0.090	0.008
Risulta	1.336e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.892	0.529	0.221	3.88	2.90e-04	2.129e+05	15.9	0.02	1.46e-06	0.0	0.0
2	3.932	0.254	0.246	2522.28	0.2	3.27	2.45e-04	5.585e+04	4.2	0.0	0.0
3	4.691	0.213	0.246	1.114e+06	83.4	1904.03	0.1	80.26	6.01e-03	0.0	0.0
4	4.960	0.202	0.246	7.179e+04	5.4	3.076e+04	2.3	1.25	9.37e-05	0.0	0.0
5	6.171	0.162	0.246	2799.56	0.2	4.170e+05	31.2	53.95	4.04e-03	0.0	0.0
6	7.172	0.139	0.252	4635.44	0.3	6.371e+05	47.7	165.14	1.24e-02	0.0	0.0
7	10.755	0.093	0.267	1.202e+05	9.0	5469.43	0.4	575.30	4.31e-02	0.0	0.0
8	12.199	0.082	0.270	1223.30	9.16e-02	1261.53	9.44e-02	6.594e+05	49.4	0.0	0.0
9	15.985	0.063	0.276	392.26	2.94e-02	1624.89	0.1	6.055e+05	45.3	0.0	0.0
Risulta				1.317e+06		1.308e+06		1.322e+06			
In percentuale				98.62		97.91		98.93			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.142
			ordinata spettro (tratto Tb-Tc) = 0.246 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.163 sec.
			fattore q: 3.000
			fattore per spost. mu d: 6.839
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
786.25	2.852e+05	2194.35	1435.93	159.50	0.0	1893.33	1671.71	1.982	0.161	0.097
745.63	4.508e+04	1860.78	1731.99	159.50	0.0	1893.33	1671.71	1.982	0.017	0.025
705.00	1.054e+05	2421.06	2356.95	159.50	0.0	1893.33	1671.71	1.982	0.282	0.282
664.38	4.386e+04	1843.27	1764.03	159.50	0.0	1759.11	1671.72	2.372	0.041	0.038
623.75	4.126e+04	1784.54	1821.02	159.50	0.0	1598.12	1722.57	2.225	0.094	0.040
583.13	3.779e+04	1791.30	1862.46	159.50	0.0	1679.12	1721.95	2.266	0.056	0.058
542.50	3.571e+04	1846.87	1881.13	159.50	0.0	1679.12	1721.95	2.266	0.084	0.065
501.88	3.693e+04	1868.13	1838.16	159.50	0.0	1848.83	1721.94	1.853	0.011	0.047
461.25	3.917e+04	1919.12	1759.38	159.50	0.0	1964.11	1498.99	1.880	0.025	0.107
420.63	4.171e+04	1877.36	1709.59	159.50	0.0	1890.11	1498.99	1.888	0.007	0.085

CDC	Tipo	Sigla Id				Note					
380.00	3.053e+05	2538.99	1664.97	159.50	0.0	1902.93	1662.50	2.050	0.339	0.001	
337.78	4.390e+04	1806.66	1662.50	159.50	0.0	1902.93	1662.50	1.986	0.051	0.0	
295.56	4.166e+04	1793.58	1688.98	159.50	0.0	1875.33	1670.67	1.735	0.047	0.007	
253.33	3.856e+04	1791.34	1723.46	159.50	0.0	1950.72	1664.27	1.627	0.094	0.022	
211.11	3.716e+04	1789.29	1730.42	159.50	0.0	1943.51	1664.27	1.637	0.091	0.025	
168.89	3.679e+04	1766.28	1725.52	159.50	0.0	1867.78	1664.26	1.653	0.059	0.023	
126.67	3.887e+04	1789.82	1697.70	159.50	0.0	1982.84	1659.49	1.904	0.105	0.016	
84.44	4.078e+04	1818.02	1678.49	159.50	0.0	1982.84	1659.49	1.904	0.090	0.008	
42.22	4.078e+04	1818.02	1678.49	159.50	0.0	1982.84	1659.49	1.904	0.090	0.008	
Risulta	1.336e+06										

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.031	0.492	0.237	0.02	1.16e-06	1.902e+05	14.2	0.03	2.11e-06	0.0	0.0
2	3.933	0.254	0.246	2398.91	0.2	3.89	2.91e-04	5.588e+04	4.2	0.0	0.0
3	4.730	0.211	0.246	1.149e+06	86.0	1178.49	8.82e-02	78.46	5.87e-03	0.0	0.0
4	5.128	0.195	0.246	2.974e+04	2.2	9.523e+04	7.1	3.69	2.77e-04	0.0	0.0
5	6.146	0.163	0.246	7914.66	0.6	5.236e+05	39.2	47.14	3.53e-03	0.0	0.0
6	7.099	0.141	0.251	8755.10	0.7	4.809e+05	36.0	177.67	1.33e-02	0.0	0.0
7	10.801	0.093	0.267	1.206e+05	9.0	3558.63	0.3	103.41	7.74e-03	0.0	0.0
8	12.259	0.082	0.270	110.20	8.25e-03	1100.59	8.24e-02	6.963e+05	52.1	0.0	0.0
9	16.228	0.062	0.277	65.03	4.87e-03	1362.36	0.1	5.716e+05	42.8	0.0	0.0
Risulta				1.319e+06		1.297e+06		1.324e+06			
In percentuale				98.72		97.10		99.12			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.142
			ordinata spettro (tratto Tb-Tc) = 0.246 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.134 sec.
			fattore q: 3.000
			fattore per spost. mu d: 8.065
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
786.25	2.852e+05	2194.35	1435.93	-159.50	0.0	1893.33	1671.71	1.982	0.161	0.097
745.63	4.508e+04	1860.78	1731.99	-159.50	0.0	1893.33	1671.71	1.982	0.017	0.025
705.00	1.054e+05	2421.06	2356.95	-159.50	0.0	1893.33	1671.71	1.982	0.282	0.282
664.38	4.386e+04	1843.27	1764.03	-159.50	0.0	1759.11	1671.72	2.372	0.041	0.038
623.75	4.126e+04	1784.54	1821.02	-159.50	0.0	1598.12	1722.57	2.225	0.094	0.040
583.13	3.779e+04	1791.30	1862.46	-159.50	0.0	1679.12	1721.95	2.266	0.056	0.058
542.50	3.571e+04	1846.87	1881.13	-159.50	0.0	1679.12	1721.95	2.266	0.084	0.065
501.88	3.693e+04	1868.13	1838.16	-159.50	0.0	1848.83	1721.94	1.853	0.011	0.047
461.25	3.917e+04	1919.12	1759.38	-159.50	0.0	1964.11	1498.99	1.880	0.025	0.107
420.63	4.171e+04	1877.36	1709.59	-159.50	0.0	1890.11	1498.99	1.888	0.007	0.085
380.00	3.053e+05	2538.99	1664.97	-159.50	0.0	1902.93	1662.50	2.050	0.339	0.001
337.78	4.390e+04	1806.66	1662.50	-159.50	0.0	1902.93	1662.50	1.986	0.051	0.0
295.56	4.166e+04	1793.58	1688.98	-159.50	0.0	1875.33	1670.67	1.735	0.047	0.007
253.33	3.856e+04	1791.34	1723.46	-159.50	0.0	1950.72	1664.27	1.627	0.094	0.022
211.11	3.716e+04	1789.29	1730.42	-159.50	0.0	1943.51	1664.27	1.637	0.091	0.025
168.89	3.679e+04	1766.28	1725.52	-159.50	0.0	1867.78	1664.26	1.653	0.059	0.023
126.67	3.887e+04	1789.82	1697.70	-159.50	0.0	1982.84	1659.49	1.904	0.105	0.016
84.44	4.078e+04	1818.02	1678.49	-159.50	0.0	1982.84	1659.49	1.904	0.090	0.008
42.22	4.078e+04	1818.02	1678.49	-159.50	0.0	1982.84	1659.49	1.904	0.090	0.008
Risulta	1.336e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.776	0.563	0.207	0.05	4.11e-06	2.366e+05	17.7	0.02	1.28e-06	0.0	0.0
2	3.933	0.254	0.246	2404.05	0.2	2.89	2.17e-04	5.588e+04	4.2	0.0	0.0
3	4.657	0.215	0.246	3.605e+05	27.0	3362.23	0.3	56.53	4.23e-03	0.0	0.0
4	4.781	0.209	0.246	8.231e+05	61.6	1475.17	0.1	25.13	1.88e-03	0.0	0.0
5	6.183	0.162	0.246	2163.45	0.2	4.209e+05	31.5	14.71	1.10e-03	0.0	0.0
6	7.437	0.134	0.253	4072.49	0.3	6.493e+05	48.6	95.16	7.12e-03	0.0	0.0
7	10.348	0.097	0.265	1.178e+05	8.8	5954.88	0.4	3788.45	0.3	0.0	0.0

CDC	Tipo	Sigla Id				Note						
8		12.097	0.083	0.270	5073.17	0.4	502.90	3.76e-02	5.918e+05	44.3	0.0	0.0
9		15.630	0.064	0.276	1543.84	0.1	635.63	4.76e-02	6.663e+05	49.9	0.0	0.0
Risulta					1.317e+06		1.319e+06		1.318e+06			
In percentuale					98.56		98.71		98.66			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.295 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.213 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
786.25	2.852e+05	2194.35	1435.93	0.0	-166.25	1893.33	1671.71	1.982	0.161	0.097
745.63	4.508e+04	1860.78	1731.99	0.0	-166.25	1893.33	1671.71	1.982	0.017	0.025
705.00	1.054e+05	2421.06	2356.95	0.0	-166.25	1893.33	1671.71	1.982	0.282	0.282
664.38	4.386e+04	1843.27	1764.03	0.0	-166.25	1759.11	1671.72	2.372	0.041	0.038
623.75	4.126e+04	1784.54	1821.02	0.0	-166.25	1598.12	1722.57	2.225	0.094	0.040
583.13	3.779e+04	1791.30	1862.46	0.0	-166.25	1679.12	1721.95	2.266	0.056	0.058
542.50	3.571e+04	1846.87	1881.13	0.0	-166.25	1679.12	1721.95	2.266	0.084	0.065
501.88	3.693e+04	1868.13	1838.16	0.0	-166.25	1848.83	1721.94	1.853	0.011	0.047
461.25	3.917e+04	1919.12	1759.38	0.0	-166.25	1964.11	1498.99	1.880	0.025	0.107
420.63	4.171e+04	1877.36	1709.59	0.0	-166.25	1890.11	1498.99	1.888	0.007	0.085
380.00	3.053e+05	2538.99	1664.97	0.0	-166.25	1902.93	1662.50	2.050	0.339	0.001
337.78	4.390e+04	1806.66	1662.50	0.0	-166.25	1902.93	1662.50	1.986	0.051	0.0
295.56	4.166e+04	1793.58	1688.98	0.0	-166.25	1875.33	1670.67	1.735	0.047	0.007
253.33	3.856e+04	1791.34	1723.46	0.0	-166.25	1950.72	1664.27	1.627	0.094	0.022
211.11	3.716e+04	1789.29	1730.42	0.0	-166.25	1943.51	1664.27	1.637	0.091	0.025
168.89	3.679e+04	1766.28	1725.52	0.0	-166.25	1867.78	1664.26	1.653	0.059	0.023
126.67	3.887e+04	1789.82	1697.70	0.0	-166.25	1982.84	1659.49	1.904	0.105	0.016
84.44	4.078e+04	1818.02	1678.49	0.0	-166.25	1982.84	1659.49	1.904	0.090	0.008
42.22	4.078e+04	1818.02	1678.49	0.0	-166.25	1982.84	1659.49	1.904	0.090	0.008
Risulta	1.336e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.892	0.529	0.228	5.61	4.20e-04	2.129e+05	15.9	0.02	1.76e-06	0.0	0.0
2	3.933	0.254	0.295	2558.63	0.2	3.23	2.41e-04	5.589e+04	4.2	0.0	0.0
3	4.689	0.213	0.295	1.025e+06	76.7	1546.64	0.1	96.84	7.25e-03	0.0	0.0
4	4.894	0.204	0.295	1.383e+05	10.4	2.469e+04	1.8	0.16	1.23e-05	0.0	0.0
5	6.122	0.163	0.295	1.638e+04	1.2	4.042e+05	30.3	33.74	2.53e-03	0.0	0.0
6	7.167	0.140	0.295	1.071e+04	0.8	6.564e+05	49.1	107.67	8.06e-03	0.0	0.0
7	10.381	0.096	0.244	1.223e+05	9.2	5894.35	0.4	15.72	1.18e-03	0.0	0.0
8	12.124	0.082	0.227	446.16	3.34e-02	1054.75	7.90e-02	6.211e+05	46.5	0.0	0.0
9	15.780	0.063	0.202	151.22	1.13e-02	1048.19	7.85e-02	6.426e+05	48.1	0.0	0.0
Risulta				1.316e+06		1.308e+06		1.320e+06			
In percentuale				98.52		97.89		98.79			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.295 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.213 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
786.25	2.852e+05	2194.35	1435.93	0.0	166.25	1893.33	1671.71	1.982	0.161	0.097
745.63	4.508e+04	1860.78	1731.99	0.0	166.25	1893.33	1671.71	1.982	0.017	0.025
705.00	1.054e+05	2421.06	2356.95	0.0	166.25	1893.33	1671.71	1.982	0.282	0.282

CDC	Tipo	Sigla Id			Note					
664.38	4.386e+04	1843.27	1764.03	0.0	166.25	1759.11	1671.72	2.372	0.041	0.038
623.75	4.126e+04	1784.54	1821.02	0.0	166.25	1598.12	1722.57	2.225	0.094	0.040
583.13	3.779e+04	1791.30	1862.46	0.0	166.25	1679.12	1721.95	2.266	0.056	0.058
542.50	3.571e+04	1846.87	1881.13	0.0	166.25	1679.12	1721.95	2.266	0.084	0.065
501.88	3.693e+04	1868.13	1838.16	0.0	166.25	1848.83	1721.94	1.853	0.011	0.047
461.25	3.917e+04	1919.12	1759.38	0.0	166.25	1964.11	1498.99	1.880	0.025	0.107
420.63	4.171e+04	1877.36	1709.59	0.0	166.25	1890.11	1498.99	1.888	0.007	0.085
380.00	3.053e+05	2538.99	1664.97	0.0	166.25	1902.93	1662.50	2.050	0.339	0.001
337.78	4.390e+04	1806.66	1662.50	0.0	166.25	1902.93	1662.50	1.986	0.051	0.0
295.56	4.166e+04	1793.58	1688.98	0.0	166.25	1875.33	1670.67	1.735	0.047	0.007
253.33	3.856e+04	1791.34	1723.46	0.0	166.25	1950.72	1664.27	1.627	0.094	0.022
211.11	3.716e+04	1789.29	1730.42	0.0	166.25	1943.51	1664.27	1.637	0.091	0.025
168.89	3.679e+04	1766.28	1725.52	0.0	166.25	1867.78	1664.26	1.653	0.059	0.023
126.67	3.887e+04	1789.82	1697.70	0.0	166.25	1982.84	1659.49	1.904	0.105	0.016
84.44	4.078e+04	1818.02	1678.49	0.0	166.25	1982.84	1659.49	1.904	0.090	0.008
42.22	4.078e+04	1818.02	1678.49	0.0	166.25	1982.84	1659.49	1.904	0.090	0.008
Risulta	1.336e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.892	0.529	0.228	3.88	2.90e-04	2.129e+05	15.9	0.02	1.46e-06	0.0	0.0
2	3.932	0.254	0.295	2522.28	0.2	3.27	2.45e-04	5.585e+04	4.2	0.0	0.0
3	4.691	0.213	0.295	1.114e+06	83.4	1904.03	0.1	80.26	6.01e-03	0.0	0.0
4	4.960	0.202	0.295	7.179e+04	5.4	3.076e+04	2.3	1.25	9.37e-05	0.0	0.0
5	6.171	0.162	0.295	2799.56	0.2	4.170e+05	31.2	53.95	4.04e-03	0.0	0.0
6	7.172	0.139	0.295	4635.44	0.3	6.371e+05	47.7	165.14	1.24e-02	0.0	0.0
7	10.755	0.093	0.240	1.202e+05	9.0	5469.43	0.4	575.30	4.31e-02	0.0	0.0
8	12.199	0.082	0.226	1223.30	9.16e-02	1261.53	9.44e-02	6.594e+05	49.4	0.0	0.0
9	15.985	0.063	0.201	392.26	2.94e-02	1624.89	0.1	6.055e+05	45.3	0.0	0.0
Risulta				1.317e+06		1.308e+06		1.322e+06			
In percentuale				98.62		97.91		98.93			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.295 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.163 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
786.25	2.852e+05	2194.35	1435.93	159.50	0.0	1893.33	1671.71	1.982	0.161	0.097
745.63	4.508e+04	1860.78	1731.99	159.50	0.0	1893.33	1671.71	1.982	0.017	0.025
705.00	1.054e+05	2421.06	2356.95	159.50	0.0	1893.33	1671.71	1.982	0.282	0.282
664.38	4.386e+04	1843.27	1764.03	159.50	0.0	1759.11	1671.72	2.372	0.041	0.038
623.75	4.126e+04	1784.54	1821.02	159.50	0.0	1598.12	1722.57	2.225	0.094	0.040
583.13	3.779e+04	1791.30	1862.46	159.50	0.0	1679.12	1721.95	2.266	0.056	0.058
542.50	3.571e+04	1846.87	1881.13	159.50	0.0	1679.12	1721.95	2.266	0.084	0.065
501.88	3.693e+04	1868.13	1838.16	159.50	0.0	1848.83	1721.94	1.853	0.011	0.047
461.25	3.917e+04	1919.12	1759.38	159.50	0.0	1964.11	1498.99	1.880	0.025	0.107
420.63	4.171e+04	1877.36	1709.59	159.50	0.0	1890.11	1498.99	1.888	0.007	0.085
380.00	3.053e+05	2538.99	1664.97	159.50	0.0	1902.93	1662.50	2.050	0.339	0.001
337.78	4.390e+04	1806.66	1662.50	159.50	0.0	1902.93	1662.50	1.986	0.051	0.0
295.56	4.166e+04	1793.58	1688.98	159.50	0.0	1875.33	1670.67	1.735	0.047	0.007
253.33	3.856e+04	1791.34	1723.46	159.50	0.0	1950.72	1664.27	1.627	0.094	0.022
211.11	3.716e+04	1789.29	1730.42	159.50	0.0	1943.51	1664.27	1.637	0.091	0.025
168.89	3.679e+04	1766.28	1725.52	159.50	0.0	1867.78	1664.26	1.653	0.059	0.023
126.67	3.887e+04	1789.82	1697.70	159.50	0.0	1982.84	1659.49	1.904	0.105	0.016
84.44	4.078e+04	1818.02	1678.49	159.50	0.0	1982.84	1659.49	1.904	0.090	0.008
42.22	4.078e+04	1818.02	1678.49	159.50	0.0	1982.84	1659.49	1.904	0.090	0.008
Risulta	1.336e+06									

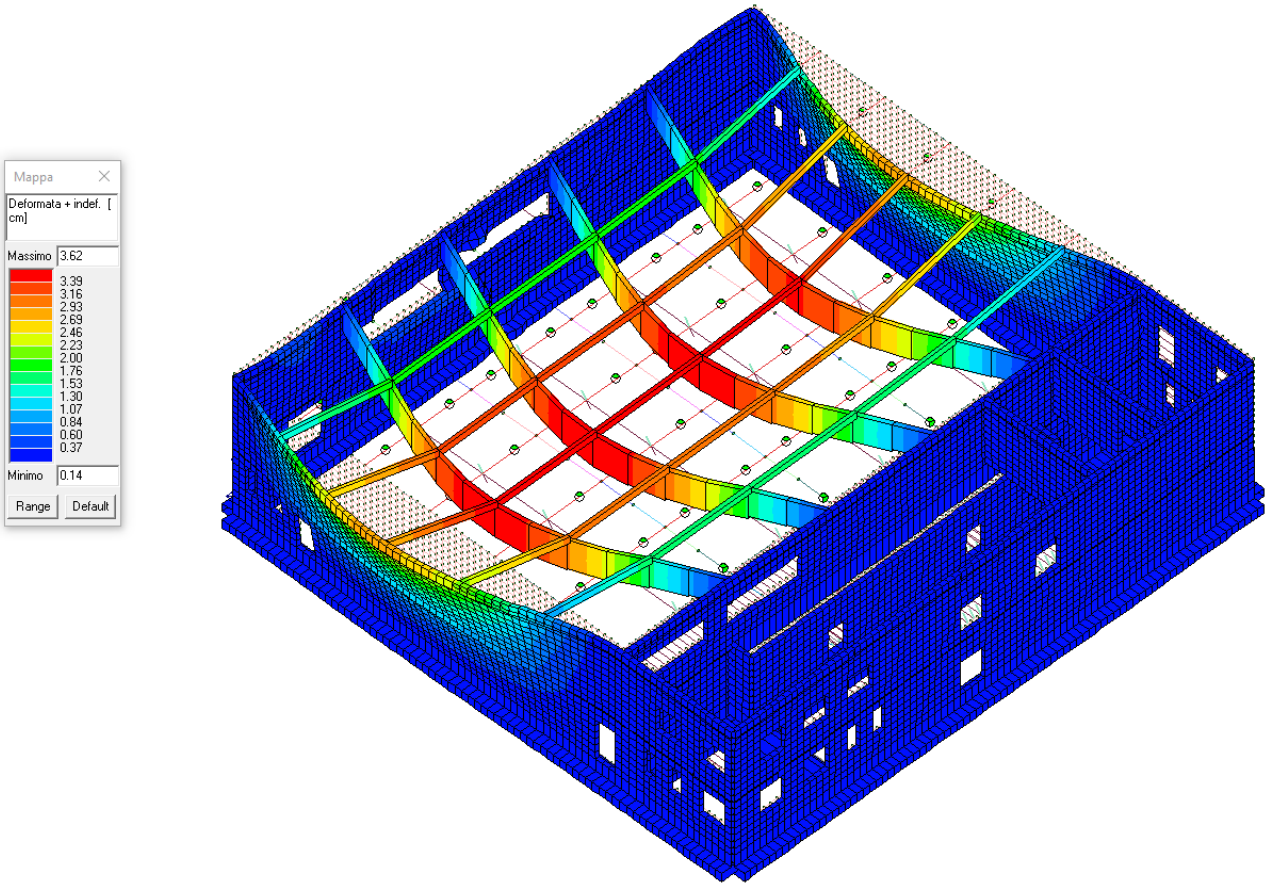
Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.031	0.492	0.245	0.02	1.16e-06	1.902e+05	14.2	0.03	2.11e-06	0.0	0.0
2	3.933	0.254	0.295	2398.91	0.2	3.89	2.91e-04	5.588e+04	4.2	0.0	0.0
3	4.730	0.211	0.295	1.149e+06	86.0	1178.49	8.82e-02	78.46	5.87e-03	0.0	0.0

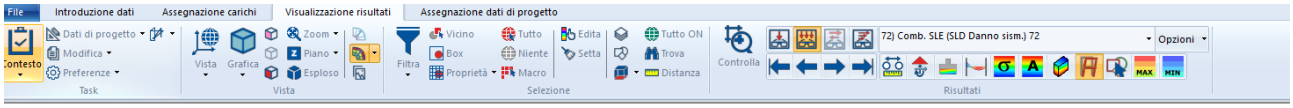
CDC	Tipo	Sigla Id				Note						
4		5.128	0.195	0.295	2.974e+04	2.2	9.523e+04	7.1	3.69	2.77e-04	0.0	0.0
5		6.146	0.163	0.295	7914.66	0.6	5.236e+05	39.2	47.14	3.53e-03	0.0	0.0
6		7.099	0.141	0.295	8755.10	0.7	4.809e+05	36.0	177.67	1.33e-02	0.0	0.0
7		10.801	0.093	0.239	1.206e+05	9.0	3558.63	0.3	103.41	7.74e-03	0.0	0.0
8		12.259	0.082	0.225	110.20	8.25e-03	1100.59	8.24e-02	6.963e+05	52.1	0.0	0.0
9		16.228	0.062	0.200	65.03	4.87e-03	1362.36	0.1	5.716e+05	42.8	0.0	0.0
Risulta					1.319e+06		1.297e+06		1.324e+06			
In percentuale					98.72		97.10		99.12			

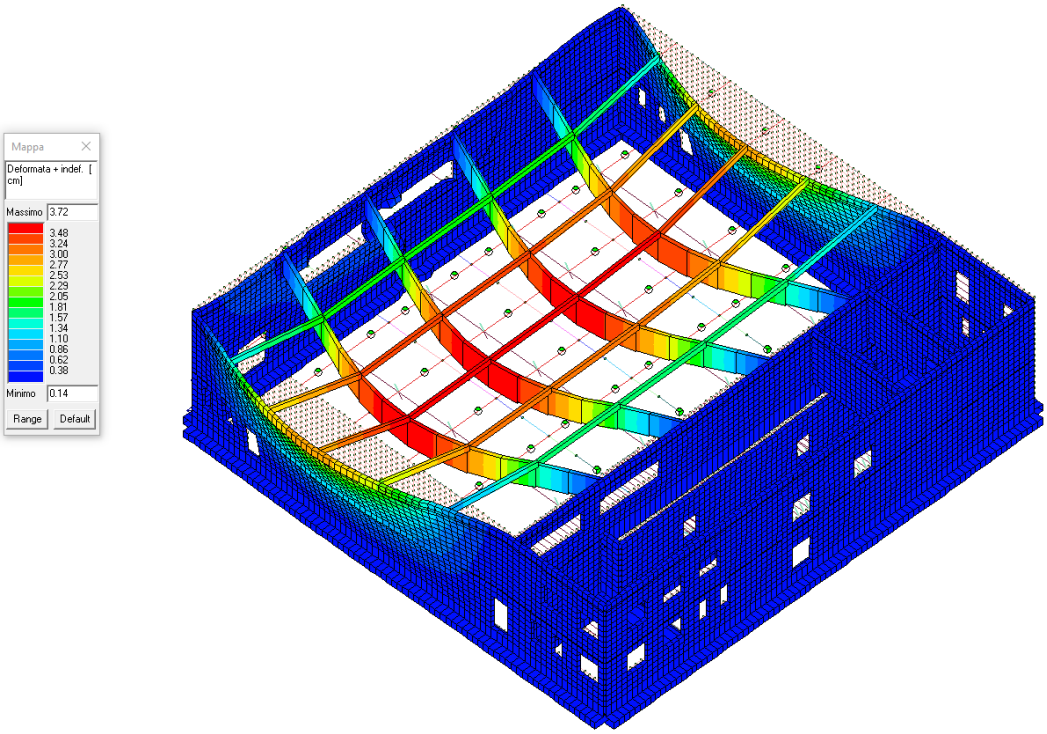
CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.295 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.134 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
786.25	2.852e+05	2194.35	1435.93	-159.50	0.0	1893.33	1671.71	1.982	0.161	0.097
745.63	4.508e+04	1860.78	1731.99	-159.50	0.0	1893.33	1671.71	1.982	0.017	0.025
705.00	1.054e+05	2421.06	2356.95	-159.50	0.0	1893.33	1671.71	1.982	0.282	0.282
664.38	4.386e+04	1843.27	1764.03	-159.50	0.0	1759.11	1671.72	2.372	0.041	0.038
623.75	4.126e+04	1784.54	1821.02	-159.50	0.0	1598.12	1722.57	2.225	0.094	0.040
583.13	3.779e+04	1791.30	1862.46	-159.50	0.0	1679.12	1721.95	2.266	0.056	0.058
542.50	3.571e+04	1846.87	1881.13	-159.50	0.0	1679.12	1721.95	2.266	0.084	0.065
501.88	3.693e+04	1868.13	1838.16	-159.50	0.0	1848.83	1721.94	1.853	0.011	0.047
461.25	3.917e+04	1919.12	1759.38	-159.50	0.0	1964.11	1498.99	1.880	0.025	0.107
420.63	4.171e+04	1877.36	1709.59	-159.50	0.0	1890.11	1498.99	1.888	0.007	0.085
380.00	3.053e+05	2538.99	1664.97	-159.50	0.0	1902.93	1662.50	2.050	0.339	0.001
337.78	4.390e+04	1806.66	1662.50	-159.50	0.0	1902.93	1662.50	1.986	0.051	0.0
295.56	4.166e+04	1793.58	1688.98	-159.50	0.0	1875.33	1670.67	1.735	0.047	0.007
253.33	3.856e+04	1791.34	1723.46	-159.50	0.0	1950.72	1664.27	1.627	0.094	0.022
211.11	3.716e+04	1789.29	1730.42	-159.50	0.0	1943.51	1664.27	1.637	0.091	0.025
168.89	3.679e+04	1766.28	1725.52	-159.50	0.0	1867.78	1664.26	1.653	0.059	0.023
126.67	3.887e+04	1789.82	1697.70	-159.50	0.0	1982.84	1659.49	1.904	0.105	0.016
84.44	4.078e+04	1818.02	1678.49	-159.50	0.0	1982.84	1659.49	1.904	0.090	0.008
42.22	4.078e+04	1818.02	1678.49	-159.50	0.0	1982.84	1659.49	1.904	0.090	0.008
Risulta	1.336e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.776	0.563	0.214	0.05	4.11e-06	2.366e+05	17.7	0.02	1.28e-06	0.0	0.0
2	3.933	0.254	0.295	2404.05	0.2	2.89	2.17e-04	5.588e+04	4.2	0.0	0.0
3	4.657	0.215	0.295	3.605e+05	27.0	3362.23	0.3	56.53	4.23e-03	0.0	0.0
4	4.781	0.209	0.295	8.231e+05	61.6	1475.17	0.1	25.13	1.88e-03	0.0	0.0
5	6.183	0.162	0.295	2163.45	0.2	4.209e+05	31.5	14.71	1.10e-03	0.0	0.0
6	7.437	0.134	0.293	4072.49	0.3	6.493e+05	48.6	95.16	7.12e-03	0.0	0.0
7	10.348	0.097	0.245	1.178e+05	8.8	5954.88	0.4	3788.45	0.3	0.0	0.0
8	12.097	0.083	0.227	5073.17	0.4	502.90	3.76e-02	5.918e+05	44.3	0.0	0.0
9	15.630	0.064	0.203	1543.84	0.1	635.63	4.76e-02	6.663e+05	49.9	0.0	0.0
Risulta				1.317e+06		1.319e+06		1.318e+06			
In percentuale				98.56		98.71		98.66			


Mappa
Deformata + indef. [cm]
Massimo 3.62
3.39
3.16
2.93
2.69
2.46
2.23
2.00
1.76
1.53
1.30
1.07
0.84
0.60
0.37
Minimo 0.14
Range
Default


File
Introduzione dati
Assegnazione carichi
Visualizzazione risultati
Assegnazione dati di progetto
Dati di progetto
Modifica
Preferenze
Task
Vista
Grafica
Zoom
Piano
Esploso
Filtra
Vicino
Box
Proprietà
Tutto
Niente
Macro
Edita
Setta
Tutto ON
Trova
Distanza
Controlla
72) Comb. SLE (SLD Danno sism.) 72
Opzioni
Risultati

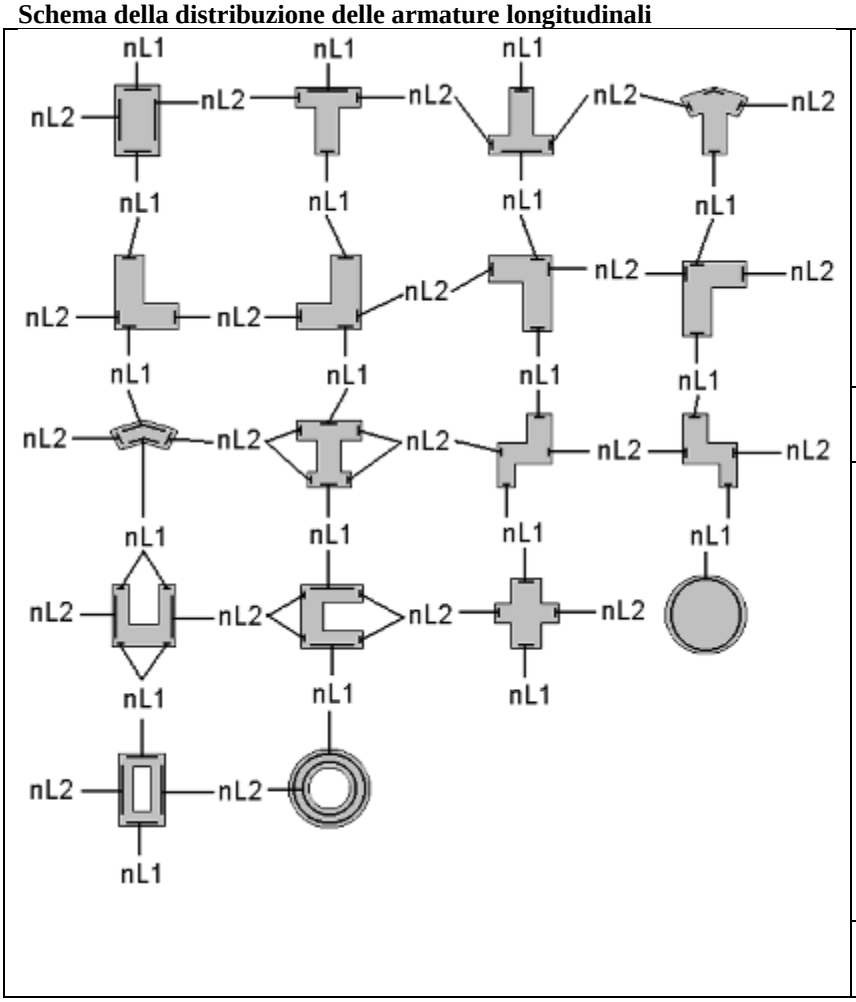

Mappa
Deformata + indef. [cm]
Massimo 3.72
3.48
3.24
3.00
2.77
2.53
2.29
2.05
1.81
1.57
1.34
1.10
0.86
0.62
0.38
Minimo 0.14
Range
Default

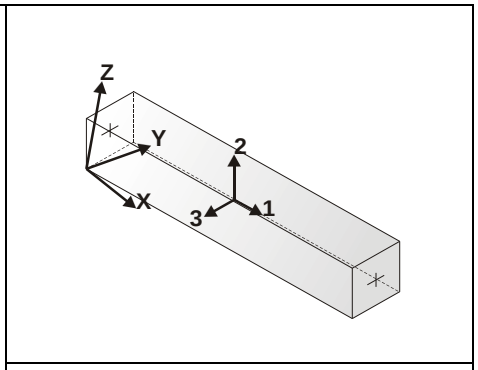
VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

Legenda tabella verifiche elementi trave e/o pilastro in c.a.

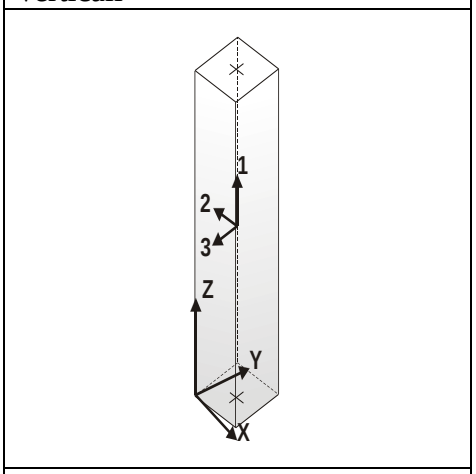
In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**.
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.
Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite (**S.L.**) vengono riportati: il rapporto x/d, le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.
Nel caso in cui la struttura abbia comportamento dissipativo e sia prevista la progettazione con il criterio della gerarchia delle resistenze **(G.R.)** vengono riportate le verifiche di sovraresistenza e del nodo.
Per gli elementi tipo pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).
Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali





Orientamento elementi 2D non verticali



Orientamento elementi 2D verticali

Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	M_T= 1 x/d	Z=0.0 V N/M	N=1 V V/T cls	N=3 V V/T acc	Staffe L=cm	Rif. cmb
1	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.16	0.38	0.86	2d8/10 L=40	39,39,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.05	0.13	0.41	0.87	2d8/10 L=40	39,39,15
16	ok,ok	0.0	0.34	30.0	32.3	20.1	0.05	0.13	0.36	0.84	2d8/10 L=40	39,18,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.11	0.38	0.85	2d8/10 L=40	39,39,15
27	ok,ok	0.0	0.34	30.0	32.3	20.1	0.05	0.11	0.33	0.80	2d8/10 L=40	39,18,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.10	0.34	0.81	2d8/10 L=40	39,15,15
33	ok,ok	0.0	0.34	30.0	32.3	20.1	0.08	0.10	0.31	0.96	2d8/12 L=40	39,18,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.09	0.32	0.97	2d8/12 L=40	39,15,15
39	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.10	0.29	0.92	2d8/12 L=40	39,18,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.09	0.30	0.93	2d8/12 L=40	39,15,15
45	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.09	0.28	0.89	2d8/12 L=40	39,18,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.09	0.28	0.88	2d8/12 L=40	39,15,15
51	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.09	0.28	0.89	2d8/12 L=40	39,18,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.09	0.26	0.83	2d8/12 L=40	39,18,18
57	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.09	0.31	0.95	2d8/12 L=40	39,26,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.05	0.08	0.28	0.90	2d8/12 L=40	39,18,18
63	ok,ok	0.0	0.34	30.0	32.3	19.6	0.05	0.09	0.38	0.82	2d8/8 L=40	15,18,18
	s=1,m=1	40.1	0.34	30.0	32.3	20.0	0.05	0.07	0.36	0.78	2d8/8 L=40	19,18,18
69	ok,ok	0.0	0.34	30.0	32.3	20.0	0.05	0.07	0.36	0.78	2d8/8 L=40	39,18,18
	s=1,m=1	40.1	0.34	30.0	32.3	20.4	0.05	0.06	0.34	0.75	2d8/8 L=40	39,18,18
75	ok,ok	0.0	0.34	30.0	32.3	20.4	0.05	0.06	0.33	0.75	2d8/8 L=10	39,18,18
	s=1,m=1	40.1	0.34	30.0	32.3	20.1	0.05	0.06	0.34	0.95	2d8/10 L=30	19,15,15
81	ok,ok	0.0	0.34	30.0	32.3	20.1	0.05	0.06	0.34	0.95	2d8/10 L=30	39,15,15
	s=1,m=1	40.1	0.34	30.0	32.3	20.6	0.05	0.07	0.36	0.81	2d8/8 L=10	19,15,15
87	ok,ok	0.0	0.34	30.0	32.3	20.6	0.05	0.08	0.36	0.81	2d8/8 L=40	39,15,15
	s=1,m=1	40.1	0.34	30.0	32.3	21.2	0.08	0.10	0.39	0.86	2d8/8 L=40	39,15,15
93	ok,ok	0.0	0.34	30.0	32.3	21.2	0.08	0.10	0.38	0.86	2d8/8 L=40	39,15,15
	s=1,m=1	40.1	0.34	30.0	32.3	21.8	0.08	0.14	0.41	0.92	2d8/8 L=40	39,15,15
99	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.10	0.27	0.74	2d8/10 L=40	19,15,15
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.12	0.30	0.81	2d8/10 L=40	19,27,15
105	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.11	0.20	0.86	2d8/15 L=40	15,17,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.12	0.25	0.98	2d8/15 L=40	19,17,18
111	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.12	0.21	0.83	2d8/15 L=40	15,23,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.12	0.23	0.85	2d8/15 L=40	19,35,18
115	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.11	0.22	0.82	2d8/15 L=40	19,21,18
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.08	0.11	0.21	0.79	2d8/15 L=40	19,35,18
119	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.11	0.23	0.80	2d8/15 L=40	19,30,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.11	0.21	0.77	2d8/15 L=40	19,19,18
123	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.11	0.26	0.77	2d8/15 L=40	19,38,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.10	0.23	0.74	2d8/15 L=40	19,38,18
127	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.11	0.26	0.98	2d8/20 L=40	19,34,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.10	0.24	0.93	2d8/20 L=40	19,34,18
131	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.25	0.12	2d8/25 L=40	15,38,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.23	0.06	2d8/25 L=40	19,38,34
135	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.24	0.12	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.09	0.22	0.06	2d8/25 L=40	15,38,34
139	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.23	0.11	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.09	0.22	0.07	2d8/25 L=40	15,23,31
143	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.22	0.11	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.09	0.22	0.09	2d8/25 L=40	15,23,31
147	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.21	0.10	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.09	0.22	0.10	2d8/25 L=40	15,23,31
151	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.20	0.09	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.22	0.10	2d8/25 L=40	15,23,31
155	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.19	0.09	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.21	0.11	2d8/25 L=40	15,23,31
159	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.18	0.08	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.21	0.11	2d8/25 L=40	15,23,31
163	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.17	0.08	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.20	0.12	2d8/25 L=40	15,23,31
167	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.16	0.08	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.19	0.11	2d8/25 L=40	15,23,31
171	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.15	0.08	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.18	0.11	2d8/25 L=40	15,23,31
175	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.14	0.08	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.17	0.11	2d8/25 L=40	15,23,31
179	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.14	0.09	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.16	0.10	2d8/25 L=40	15,23,31
183	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.13	0.09	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.15	0.09	2d8/25 L=40	15,23,31
187	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.13	0.10	2d8/25 L=40	15,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.13	0.09	2d8/25 L=40	15,23,31
191	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.13	0.10	2d8/25 L=40	15,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.12	0.09	2d8/25 L=40	15,23,31
195	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.14	0.11	2d8/25 L=40	15,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.11	0.09	2d8/25 L=40	15,23,31
199	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.16	0.11	2d8/25 L=40	15,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.12	0.09	2d8/25 L=40	15,15,31
203	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.17	0.11	2d8/25 L=40	23,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.13	0.09	2d8/25 L=40	23,15,31
207	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.18	0.11	2d8/25 L=40	24,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.15	0.09	2d8/25 L=40	24,15,31
211	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.18	0.10	2d8/25 L=40	24,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.16	0.10	2d8/25 L=40	24,15,31
215	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.19	0.10	2d8/25 L=40	24,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.18	0.10	2d8/25 L=40	24,15,31
219	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.20	0.09	2d8/25 L=40	24,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.19	0.11	2d8/25 L=40	24,15,31
223	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.11	0.20	0.08	2d8/25 L=40	24,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.20	0.11	2d8/25 L=40	24,15,31
227	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.11	0.20	0.08	2d8/25 L=40	24,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.21	0.12	2d8/25 L=40	24,15,31
231	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.11	0.21	0.07	2d8/25 L=40	24,18,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.22	0.12	2d8/25 L=40	24,15,31
235	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.12	0.21	0.06	2d8/25 L=40	24,15,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.23	0.11	2d8/25 L=40	24,15,31
239	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.22	0.06	2d8/25 L=40	24,15,31
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.23	0.11	2d8/25 L=40	24,15,31

242	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.22	0.05	2d8/25 L=40	24,15,31
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.13	0.24	0.11	2d8/25 L=40	24,15,31
245	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.21	0.89	2d8/20 L=40	24,34,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.23	0.92	2d8/20 L=40	24,31,15
248	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.21	0.90	2d8/20 L=40	24,34,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.23	0.93	2d8/20 L=40	24,31,15
251	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.22	0.92	2d8/20 L=40	24,34,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.23	0.94	2d8/20 L=40	24,31,15
254	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.23	0.94	2d8/20 L=40	24,34,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.23	0.94	2d8/20 L=40	24,31,15
257	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.23	0.96	2d8/20 L=40	24,34,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.22	0.94	2d8/20 L=40	24,19,15
260	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.22	0.97	2d8/20 L=40	24,22,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.22	0.94	2d8/20 L=40	24,19,15
263	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.23	0.99	2d8/20 L=40	24,22,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.22	0.94	2d8/20 L=40	24,19,15
266	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.23	1.00	2d8/20 L=40	24,38,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.22	0.94	2d8/20 L=40	24,35,15
269	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.24	0.76	2d8/15 L=40	24,38,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.22	0.71	2d8/15 L=40	24,19,15
272	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.24	0.76	2d8/15 L=40	24,38,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.13	0.22	0.71	2d8/15 L=40	24,19,15
273	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.24	0.76	2d8/15 L=40	24,22,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.12	0.22	0.71	2d8/15 L=40	24,19,15
274	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.12	0.24	0.76	2d8/15 L=40	24,22,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.12	0.22	0.71	2d8/15 L=40	24,19,15
275	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.12	0.24	0.76	2d8/15 L=40	24,22,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.12	0.22	0.70	2d8/15 L=40	24,19,31
276	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.12	0.24	0.75	2d8/15 L=40	24,22,18
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.12	0.22	0.70	2d8/15 L=40	24,19,31
277	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.12	0.24	1.00	2d8/20 L=40	24,22,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.11	0.22	0.92	2d8/20 L=40	24,19,31
278	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.11	0.25	0.77	2d8/15 L=40	24,34,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.11	0.21	0.70	2d8/15 L=40	24,19,23
279	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.11	0.25	0.78	2d8/15 L=40	24,18,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.11	0.21	0.72	2d8/15 L=40	24,19,23
280	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.11	0.25	0.79	2d8/15 L=40	24,18,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.11	0.22	0.73	2d8/15 L=40	24,31,23
281	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.11	0.25	0.80	2d8/15 L=40	24,18,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.10	0.23	0.74	2d8/15 L=40	24,15,23
282	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.10	0.25	0.81	2d8/15 L=40	28,18,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.10	0.22	0.75	2d8/15 L=40	28,15,23
283	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.10	0.24	0.82	2d8/15 L=40	28,18,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.10	0.22	0.76	2d8/15 L=40	28,15,23
284	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.10	0.25	0.82	2d8/15 L=40	28,28,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.09	0.22	0.77	2d8/15 L=40	28,28,23
285	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.09	0.25	0.82	2d8/15 L=40	28,29,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.09	0.22	0.77	2d8/15 L=40	28,29,23
286	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.09	0.26	0.83	2d8/15 L=40	28,29,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.09	0.23	0.78	2d8/15 L=40	28,29,23
287	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.09	0.26	0.83	2d8/15 L=40	28,29,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.08	0.23	0.78	2d8/15 L=40	28,29,23
288	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.08	0.27	0.83	2d8/15 L=40	28,24,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.08	0.24	0.78	2d8/15 L=40	28,29,23
289	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.08	0.27	0.83	2d8/15 L=40	44,29,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.07	0.25	0.79	2d8/15 L=40	28,29,23
290	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.08	0.28	0.83	2d8/15 L=40	44,29,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.07	0.25	0.80	2d8/15 L=40	28,29,23
291	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.08	0.28	0.83	2d8/15 L=40	44,29,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.07	0.25	0.81	2d8/15 L=40	44,29,23
292	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.08	0.30	0.83	2d8/15 L=40	44,24,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.06	0.26	0.82	2d8/15 L=40	44,24,23
293	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.07	0.31	0.85	2d8/15 L=40	44,28,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.06	0.27	0.84	2d8/15 L=40	44,28,23
294	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.06	0.30	0.86	2d8/15 L=40	44,28,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.07	0.27	0.86	2d8/15 L=40	44,43,27
295	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.07	0.39	0.76	2d8/15 L=40	44,30,27
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.10	0.37	0.87	2d8/15 L=40	42,30,27
							M_T= 2	**Z=0.0**	**N=1**	**N=2**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
2	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.18	0.36	0.86	2d8/10 L=41	15,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.15	0.34	0.81	2d8/10 L=41	15,39,39
270	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.15	0.34	0.84	2d8/10 L=41	15,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.12	0.32	0.80	2d8/10 L=41	15,39,39
267	ok,ok	0.0	0.34	30.0	32.3	20.1	0.08	0.13	0.32	0.81	2d8/10 L=41	15,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.05	0.11	0.31	0.78	2d8/10 L=41	15,39,39
264	ok,ok	0.0	0.34	30.0	32.3	20.1	0.05	0.12	0.33	0.98	2d8/12 L=41	15,18,42
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.05	0.10	0.33	0.97	2d8/12 L=41	19,15,39
261	ok,ok	0.0	0.34	30.0	32.3	20.1	0.05	0.11	0.31	0.97	2d8/12 L=41	19,22,42
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.05	0.09	0.31	0.97	2d8/12 L=41	19,19,39
258	ok,ok	0.0	0.34	30.0	32.3	20.1	0.05	0.10	0.29	0.95	2d8/12 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.05	0.09	0.29	0.96	2d8/12 L=41	19,39,39
255	ok,ok	0.0	0.34	30.0	32.3	20.1	0.05	0.10	0.29	0.94	2d8/12 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.05	0.08	0.29	0.95	2d8/12 L=41	19,39,39
252	ok,ok	0.0	0.34	30.0	32.3	20.1	0.08	0.09	0.28	0.92	2d8/12 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.05	0.08	0.28	0.93	2d8/12 L=41	19,39,39
249	ok,ok	0.0	0.34	30.0	32.3	20.1	0.08	0.09	0.28	0.91	2d8/12 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.05	0.08	0.27	0.92	2d8/12 L=41	19,39,39
246	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.09	0.29	0.94	2d8/12 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.05	0.08	0.27	0.91	2d8/12 L=41	19,39,39
243	ok,ok	0.0	0.34	30.0	32.3	21.6	0.05	0.08	0.36	0.82	2d8/8 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	22.1	0.05	0.06	0.34	0.79	2d8/8 L=41	19,42,42
240	ok,ok	0.0	0.34	30.0	32.3	22.1	0.05	0.07	0.34	0.79	2d8/8 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	22.7	0.05	0.09	0.36	0.84	2d8/8 L=41	19,39,39
236	ok,ok	0.0	0.34	30.0	32.3	22.7	0.05	0.10	0.36	0.84	2d8/8 L=41	19,39,39
	s=1,m=1	41.5	0.34	30.0	32.3	23.3	0.05	0.13	0.39	0.90	2d8/8 L=41	19,39,39
232	ok,ok	0.0	0.34	30.0	32.3	20.1	0.05	0.06	0.28	0.77	2d8/10 L=41	19,39,39
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.08	0.07	0.31	0.85	2d8/10 L=41	19,39,39
228	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.06	0.24	0.84	2d8/12 L=41	19,39,39
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.08	0.08	0.28	0.95	2d8/12 L=41	19,39,39
224	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.07	0.23	0.78	2d8/12 L=41	19,42,42

	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.07	0.25	0.87	2d8/12 L=41	19,39,39
220	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.06	0.22	0.89	2d8/15 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.07	0.24	0.97	2d8/15 L=41	19,39,39
216	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.06	0.21	0.86	2d8/15 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.07	0.22	0.91	2d8/15 L=41	19,39,39
212	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.06	0.20	0.81	2d8/15 L=41	19,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.06	0.21	0.85	2d8/15 L=41	19,39,39
208	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.06	0.22	0.77	2d8/15 L=41	19,33,42
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.06	0.23	0.80	2d8/15 L=41	19,32,39
204	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.05	0.23	0.95	2d8/20 L=41	19,38,42
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.05	0.23	0.99	2d8/20 L=41	19,44,39
200	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.05	0.23	0.88	2d8/20 L=41	19,34,42
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.04	0.24	0.92	2d8/20 L=41	19,31,39
196	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.04	0.22	0.12	2d8/25 L=41	19,42,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.04	0.22	0.12	2d8/25 L=41	39,39,15
192	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.04	0.20	0.12	2d8/25 L=41	39,34,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.04	0.21	0.12	2d8/25 L=41	39,31,15
188	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.04	0.19	0.12	2d8/25 L=41	39,18,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.04	0.20	0.12	2d8/25 L=41	39,15,15
184	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.19	0.12	2d8/25 L=41	39,18,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.20	0.12	2d8/25 L=41	39,15,15
180	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.19	0.12	2d8/25 L=41	39,18,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.20	0.12	2d8/25 L=41	39,15,15
176	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.20	0.12	2d8/25 L=41	45,18,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.20	0.12	2d8/25 L=41	45,15,15
172	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.20	0.12	2d8/25 L=41	45,18,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.20	0.13	2d8/25 L=41	45,15,15
168	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.20	0.12	2d8/25 L=41	45,18,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.21	0.13	2d8/25 L=41	45,15,15
164	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.04	0.21	0.12	2d8/25 L=41	45,18,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.21	0.13	2d8/25 L=41	45,15,15
160	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.04	0.21	0.12	2d8/25 L=41	45,22,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.04	0.21	0.13	2d8/25 L=41	45,15,15
156	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.04	0.21	0.12	2d8/25 L=41	29,22,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.04	0.22	0.13	2d8/25 L=41	45,19,15
152	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.04	0.22	0.12	2d8/25 L=41	21,22,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.04	0.22	0.13	2d8/25 L=41	21,19,15
148	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.05	0.23	0.12	2d8/25 L=41	21,42,22
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.05	0.23	0.14	2d8/25 L=41	21,19,15
144	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.06	0.23	0.94	2d8/20 L=41	21,46,42
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.05	0.23	0.89	2d8/20 L=41	21,19,39
140	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.06	0.23	0.76	2d8/15 L=41	21,34,42
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.06	0.24	0.73	2d8/15 L=41	21,19,39
136	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.07	0.24	0.81	2d8/15 L=41	21,38,42
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.07	0.24	0.78	2d8/15 L=41	21,19,39
132	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.08	0.22	0.85	2d8/15 L=41	21,22,42
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.08	0.24	0.83	2d8/15 L=41	21,19,39
128	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.09	0.23	0.88	2d8/15 L=41	21,33,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.08	0.24	0.87	2d8/15 L=41	21,19,39
124	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.10	0.22	0.92	2d8/15 L=41	21,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.09	0.23	0.91	2d8/15 L=41	21,19,39
120	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.11	0.23	0.94	2d8/15 L=41	21,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.10	0.23	0.94	2d8/15 L=41	21,39,39
116	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.11	0.23	0.96	2d8/15 L=41	21,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.11	0.24	0.97	2d8/15 L=41	17,39,39
112	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.12	0.24	0.98	2d8/15 L=41	21,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.12	0.25	0.99	2d8/15 L=41	17,39,39
106	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.13	0.24	0.82	2d8/12 L=41	21,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.13	0.25	0.84	2d8/12 L=41	17,39,39
100	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.14	0.24	0.83	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.14	0.25	0.86	2d8/12 L=41	17,39,39
94	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.16	0.25	0.84	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.15	0.26	0.87	2d8/12 L=41	17,39,39
88	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.17	0.25	0.86	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.16	0.27	0.89	2d8/12 L=41	17,39,39
82	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.18	0.26	0.87	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.17	0.27	0.91	2d8/12 L=41	17,39,39
76	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.19	0.26	0.88	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.18	0.27	0.92	2d8/12 L=41	17,39,39
70	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.19	0.26	0.88	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.19	0.27	0.92	2d8/12 L=41	17,39,39
64	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.20	0.26	0.88	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.20	0.27	0.91	2d8/12 L=41	17,39,39
58	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.21	0.26	0.88	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.21	0.27	0.90	2d8/12 L=41	17,39,39
52	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.21	0.26	0.88	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.22	0.26	0.88	2d8/12 L=41	17,39,39
46	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.22	0.27	0.87	2d8/12 L=41	17,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.22	0.27	0.88	2d8/12 L=41	17,39,39
40	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.22	0.30	0.89	2d8/12 L=41	17,22,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.21	0.31	0.91	2d8/12 L=41	17,19,39
34	ok,ok	0.0	0.34	30.0	32.3	18.3	0.05	0.22	0.39	0.73	2d8/8 L=41	17,18,42
	s=1,m=1	41.5	0.34	30.0	32.3	19.0	0.05	0.26	0.37	0.77	2d8/8 L=41	17,27,39
28	ok,ok	0.0	0.34	30.0	32.3	19.0	0.05	0.25	0.37	0.77	2d8/8 L=41	17,27,39
	s=1,m=1	41.5	0.34	30.0	32.3	18.8	0.08	0.25	0.42	0.83	2d8/8 L=41	17,27,39
22	ok,ok	0.0	0.34	30.0	32.3	18.8	0.08	0.25	0.42	0.83	2d8/8 L=41	17,27,39
	s=1,m=1	41.5	0.34	30.0	32.3	18.8	0.08	0.23	0.47	0.89	2d8/8 L=41	17,23,39
17	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.30	0.36	0.73	2d8/10 L=41	18,19,39
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.28	0.41	0.81	2d8/10 L=41	21,19,39
5	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.19	0.14	2d8/25 L=47	18,38,38
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.14	0.13	0.08	2d8/25 L=47	18,38,43
336	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.13	0.18	0.15	2d8/25 L=47	18,26,26
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.13	0.12	0.06	2d8/25 L=47	18,26,26
330	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.17	0.14	2d8/25 L=47	18,26,11
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.12	0.11	0.05	2d8/25 L=47	18,26,26
296	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.15	0.12	2d8/25 L=40	18,26,11
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.11	0.10	0.04	2d8/25 L=40	18,18,26
334	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.14	0.10	2d8/25 L=40	17,18,18
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.11	0.10	0.06	2d8/25 L=40	17,18,15
340	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.14	0.10	2d8/25 L=40	17,18,22
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.10	0.10	0.07	2d8/25 L=40	17,18,15

342	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.13	0.10	2d8/25 L=40	17,18,22
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.10	0.09	0.07	2d8/25 L=40	17,18,15
344	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.13	0.09	2d8/25 L=40	17,18,22
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.09	0.09	0.07	2d8/25 L=40	17,15,15
346	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.09	0.12	0.08	2d8/25 L=40	17,18,22
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.09	0.08	0.07	2d8/25 L=40	17,15,15
348	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.09	0.12	0.08	2d8/25 L=40	17,18,22
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.08	0.08	0.06	2d8/25 L=40	17,15,15
350	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.08	0.12	0.08	2d8/25 L=40	17,22,22
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.08	0.07	0.05	2d8/25 L=40	17,22,15
352	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.08	0.12	0.09	2d8/25 L=40	17,22,22
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.07	0.08	0.06	2d8/25 L=40	17,22,15
354	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.12	0.08	2d8/25 L=40	17,22,22
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.07	0.09	0.09	2d8/25 L=40	17,19,15
356	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.11	0.07	2d8/25 L=40	17,22,22
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.07	0.12	0.13	2d8/25 L=40	17,19,15
358	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.09	0.09	2d8/25 L=40	17,19,15
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.07	0.14	0.16	2d8/25 L=40	17,19,15
360	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.10	0.10	2d8/25 L=40	17,16,15
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.08	0.07	0.15	0.17	2d8/25 L=40	17,19,3
362	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.10	0.08	2d8/25 L=40	17,16,15
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.07	0.14	0.16	2d8/25 L=40	17,16,3
							M_T= 3	**Z=0.0**	**N=2**	**N=4**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
3	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.06	0.13	0.05	2d8/25 L=40	17,18,19
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.06	0.16	0.13	2d8/25 L=40	17,15,3
107	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.14	0.04	2d8/25 L=40	17,18,22
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.07	0.14	0.09	2d8/25 L=40	17,21,3
101	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.07	0.15	0.07	2d8/25 L=40	17,18,22
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.07	0.12	0.06	2d8/25 L=40	17,21,19
95	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.07	0.15	0.09	2d8/25 L=40	17,22,22
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.07	0.10	0.06	2d8/25 L=40	17,18,19
89	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.07	0.15	0.09	2d8/25 L=40	17,22,22
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.07	0.10	0.07	2d8/25 L=40	17,18,19
83	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.07	0.13	0.07	2d8/25 L=40	17,18,22
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.07	0.11	0.10	2d8/25 L=40	17,29,39
77	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.07	0.11	0.05	2d8/25 L=40	17,18,22
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.07	0.12	0.12	2d8/25 L=40	17,29,39
71	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.08	0.09	0.05	2d8/25 L=40	17,18,39
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.08	0.13	0.13	2d8/25 L=40	17,3,3
65	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.08	0.10	0.04	2d8/25 L=40	17,18,42
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.08	0.11	0.10	2d8/25 L=40	17,3,3
59	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.08	0.12	0.07	2d8/25 L=40	17,18,42
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.08	0.09	0.06	2d8/25 L=40	17,21,39
53	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.08	0.14	0.12	2d8/25 L=40	17,18,4
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.07	0.09	0.04	2d8/25 L=40	17,18,46
47	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.07	0.16	0.14	2d8/25 L=40	17,22,4
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.06	0.11	0.07	2d8/25 L=40	17,18,46
41	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.06	0.17	0.14	2d8/25 L=40	17,30,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.06	0.12	0.07	2d8/25 L=40	17,26,46
35	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.05	0.17	0.13	2d8/25 L=40	17,30,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.05	0.13	0.06	2d8/25 L=40	17,30,43
29	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.04	0.18	0.13	2d8/25 L=40	17,30,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.04	0.14	0.06	2d8/25 L=40	17,30,46
23	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.03	0.21	0.16	2d8/25 L=40	17,22,30
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.03	0.17	0.08	2d8/25 L=40	17,22,30
18	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.03	0.27	0.20	2d8/25 L=40	17,22,30
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.04	0.22	0.13	2d8/25 L=40	17,22,30
15	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.06	0.30	0.87	2d8/12 L=40	17,15,15
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.06	0.35	0.96	2d8/12 L=40	17,31,15
238	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.06	0.36	0.76	2d8/12 L=40	17,27,15
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.08	0.08	0.41	0.86	2d8/12 L=40	17,27,15
234	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.08	0.34	0.16	2d8/25 L=40	17,15,19
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.09	0.39	0.25	2d8/25 L=40	17,15,4
230	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.09	0.30	0.13	2d8/25 L=40	17,15,39
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.35	0.22	2d8/25 L=40	17,15,4
226	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.26	0.11	2d8/25 L=40	17,15,39
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.32	0.20	2d8/25 L=40	17,15,4
222	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.23	0.10	2d8/25 L=40	17,15,39
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.29	0.19	2d8/25 L=40	17,15,4
218	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.21	0.09	2d8/25 L=40	17,23,39
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.13	0.27	0.18	2d8/25 L=40	17,23,4
214	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.13	0.19	0.07	2d8/25 L=40	17,23,43
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.25	0.16	2d8/25 L=40	17,23,4
210	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.13	0.16	0.04	2d8/25 L=40	17,23,43
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.22	0.14	2d8/25 L=40	17,23,4
206	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.14	0.03	2d8/25 L=40	17,23,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.20	0.11	2d8/25 L=40	17,23,4
202	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.13	0.04	2d8/25 L=40	17,23,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.17	0.09	2d8/25 L=40	17,23,4
198	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.12	0.05	2d8/25 L=40	17,23,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.16	0.08	2d8/25 L=40	17,23,4
194	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.12	0.06	2d8/25 L=40	17,23,3
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.14	0.07	2d8/25 L=40	17,23,4
190	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.11	0.06	2d8/25 L=40	17,23,3
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.13	0.06	2d8/25 L=40	17,23,4
186	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.10	0.07	2d8/25 L=40	17,23,4
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.13	0.11	0.05	2d8/25 L=40	17,23,4
182	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.13	0.10	0.09	2d8/25 L=40	17,23,4
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.13	0.10	0.04	2d8/25 L=40	17,23,4
178	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.13	0.10	0.11	2d8/25 L=40	17,23,4
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.08	0.02	2d8/25 L=40	17,23,43
174	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.11	0.14	2d8/25 L=40	33,26,3
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.06	0.03	2d8/25 L=40	33,26,46
170	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.14	0.19	2d8/25 L=40	33,26,38
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.10	0.09	0.11	2d8/25 L=40	17,30,46
166	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.17	0.14	2d8/15 L=40	41,38,38
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.07	0.12	0.09	2d8/15 L=40	41,38,46
162	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.08	0.12	0.09	2d8/15 L=40	41,38,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.07	0.11	0.08	2d8/15 L=40	33,23,43
158	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.11	0.08	2d8/15 L=40	33,35,43

	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.09	0.17	0.13	2d8/15 L=40	33,27,43
154	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.16	0.13	2d8/15 L=40	33,23,43
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.13	0.22	0.18	2d8/15 L=40	33,27,43
150	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.09	0.11	0.15	2d8/25 L=40	21,35,43
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.17	0.24	2d8/25 L=40	41,23,4
146	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.04	0.04	2d8/25 L=40	21,23,31
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.10	0.15	2d8/25 L=40	41,23,4
142	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.04	0.04	2d8/25 L=40	21,26,38
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.08	0.11	2d8/25 L=40	41,4,4
138	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.05	0.06	2d8/25 L=40	21,38,38
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.06	0.08	2d8/25 L=40	21,11,4
134	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.06	0.07	2d8/25 L=40	21,38,38
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.06	0.08	2d8/25 L=40	21,11,31
130	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.07	0.08	2d8/25 L=40	21,42,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.05	0.08	2d8/25 L=40	21,33,31
126	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.07	0.09	2d8/25 L=40	22,42,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.06	0.08	2d8/25 L=40	22,33,43
122	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.08	0.09	2d8/25 L=40	18,22,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.06	0.09	2d8/25 L=40	22,33,43
118	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.08	0.09	2d8/25 L=40	18,22,38
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.07	0.10	2d8/25 L=40	18,33,43
114	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.09	0.09	2d8/25 L=40	18,22,38
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.07	0.10	2d8/25 L=40	18,33,43
110	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.10	0.09	2d8/25 L=40	18,22,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.08	0.11	2d8/25 L=40	18,19,43
104	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.10	0.09	2d8/25 L=40	18,30,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.13	0.09	0.11	2d8/25 L=40	18,27,43
98	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.13	0.11	0.08	2d8/25 L=40	18,30,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.13	0.10	0.11	2d8/25 L=40	18,27,43
92	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.13	0.12	0.08	2d8/25 L=40	18,30,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.11	0.11	2d8/25 L=40	18,27,43
86	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.13	0.08	2d8/25 L=40	18,30,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.11	0.10	2d8/25 L=40	18,27,43
80	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.15	0.14	0.08	2d8/25 L=40	16,26,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.15	0.12	0.10	2d8/25 L=40	16,21,43
74	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.15	0.16	0.08	2d8/25 L=40	16,26,46
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.15	0.13	0.09	2d8/25 L=40	16,29,43
68	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.15	0.17	0.09	2d8/25 L=40	16,26,42
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.15	0.14	0.08	2d8/25 L=40	16,29,43
62	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.15	0.19	0.10	2d8/25 L=40	16,26,42
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.15	0.16	0.07	2d8/25 L=40	16,29,43
56	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.15	0.22	0.11	2d8/25 L=40	16,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.15	0.17	0.06	2d8/25 L=40	16,29,39
50	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.15	0.25	0.13	2d8/25 L=40	16,26,34
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.18	0.05	2d8/25 L=40	16,26,39
44	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.28	0.15	2d8/25 L=40	16,26,4
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.14	0.21	0.06	2d8/25 L=40	16,26,42
38	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.31	0.18	2d8/25 L=40	32,26,4
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.13	0.25	0.08	2d8/25 L=40	16,26,42
32	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.13	0.33	0.89	2d8/15 L=40	32,29,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.11	0.27	0.74	2d8/15 L=40	16,29,26
26	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.12	0.36	0.99	2d8/15 L=40	34,18,26
	s=1,m=1	40.1	0.34	30.0	32.3	12.1	0.05	0.09	0.29	0.85	2d8/15 L=40	34,18,26
21	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.10	0.40	0.94	2d8/12 L=40	34,18,26
	s=1,m=1	40.1	0.34	30.0	32.3	16.1	0.05	0.07	0.34	0.83	2d8/12 L=40	34,18,26
14	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.11	0.31	0.22	2d8/25 L=40	16,23,27
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.11	0.35	0.28	2d8/25 L=40	16,27,27
109	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.11	0.25	0.17	2d8/25 L=40	16,23,27
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.29	0.24	2d8/25 L=40	16,27,27
103	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.12	0.18	0.12	2d8/25 L=40	16,23,27
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.22	0.19	2d8/25 L=40	16,27,27
97	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.14	0.09	2d8/25 L=40	16,23,30
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.18	0.15	2d8/25 L=40	16,27,27
91	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.10	0.10	2d8/25 L=40	16,23,26
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.12	0.14	0.11	2d8/25 L=40	16,27,27
85	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.11	0.12	2d8/25 L=40	16,22,26
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.11	0.12	0.09	2d8/25 L=40	16,23,19
79	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.13	0.13	2d8/25 L=40	34,22,26
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.09	0.08	2d8/25 L=40	34,23,19
73	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.14	0.13	2d8/25 L=40	34,30,26
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.08	0.06	2d8/25 L=40	34,23,19
67	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.14	0.14	2d8/25 L=40	38,26,26
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.10	0.08	0.05	2d8/25 L=40	34,15,19
61	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.14	0.14	2d8/25 L=40	38,26,18
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.09	0.08	0.05	2d8/25 L=40	38,23,19
55	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.15	0.15	2d8/25 L=40	38,26,18
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.09	0.08	0.04	2d8/25 L=40	38,23,22
49	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.10	0.16	0.15	2d8/25 L=40	38,26,18
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.09	0.09	0.04	2d8/25 L=40	38,26,22
43	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.09	0.18	0.15	2d8/25 L=40	26,26,18
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.08	0.10	0.05	2d8/25 L=40	26,26,42
37	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.09	0.19	0.16	2d8/25 L=40	26,26,18
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.08	0.08	0.11	0.05	2d8/25 L=40	26,26,42
31	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.08	0.20	0.17	2d8/25 L=40	26,26,3
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.07	0.13	0.06	2d8/25 L=40	26,26,42
25	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.08	0.22	0.19	2d8/25 L=40	26,26,3
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.06	0.15	0.07	2d8/25 L=40	26,26,42
20	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.07	0.24	0.21	2d8/25 L=40	26,26,3
	s=1,m=1	40.1	0.34	30.0	32.3	0.0	0.05	0.06	0.18	0.09	2d8/25 L=40	26,26,3
							M_T= 4	**Z=0.0**	**N=3**	**N=4**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
4	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.15	0.31	0.92	2d8/12 L=41	23,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.13	0.30	0.89	2d8/12 L=41	28,43,43
271	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.14	0.29	0.91	2d8/12 L=41	28,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.12	0.28	0.88	2d8/12 L=41	28,43,43
268	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.13	0.28	0.90	2d8/12 L=41	28,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.11	0.27	0.86	2d8/12 L=41	28,43,39
265	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.12	0.28	0.90	2d8/12 L=41	28,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.11	0.27	0.87	2d8/12 L=41	28,43,39
262	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.11	0.28	0.91	2d8/12 L=41	28,42,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.10	0.27	0.89	2d8/12 L=41	28,43,39

259	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.11	0.28	0.91	2d8/12 L=41	28,46,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.09	0.27	0.90	2d8/12 L=41	28,43,43
256	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.10	0.27	0.91	2d8/12 L=41	28,46,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.09	0.27	0.91	2d8/12 L=41	28,43,43
253	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.09	0.27	0.90	2d8/12 L=41	28,46,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.08	0.27	0.90	2d8/12 L=41	28,43,43
250	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.09	0.26	0.88	2d8/12 L=41	28,46,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.08	0.27	0.90	2d8/12 L=41	28,43,43
247	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.09	0.26	0.89	2d8/12 L=41	28,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.08	0.26	0.89	2d8/12 L=41	28,43,43
244	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.09	0.28	0.93	2d8/12 L=41	28,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.07	0.26	0.90	2d8/12 L=41	28,46,46
241	ok,ok	0.0	0.34	30.0	32.3	20.9	0.05	0.08	0.36	0.82	2d8/8 L=41	28,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	21.4	0.05	0.05	0.34	0.80	2d8/8 L=41	28,46,46
237	ok,ok	0.0	0.34	30.0	32.3	21.4	0.05	0.06	0.34	0.80	2d8/8 L=41	28,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	21.9	0.05	0.08	0.36	0.84	2d8/8 L=41	28,43,43
233	ok,ok	0.0	0.34	30.0	32.3	21.9	0.05	0.09	0.36	0.84	2d8/8 L=41	28,43,43
	s=1,m=1	41.5	0.34	30.0	32.3	22.5	0.05	0.13	0.40	0.91	2d8/8 L=41	28,43,43
229	ok,ok	0.0	0.34	30.0	32.3	20.1	0.05	0.05	0.28	0.76	2d8/10 L=41	28,43,43
	s=1,m=1	41.5	0.34	30.0	32.3	20.1	0.08	0.06	0.32	0.86	2d8/10 L=41	28,43,43
225	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.05	0.24	0.83	2d8/12 L=41	28,43,43
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.07	0.28	0.95	2d8/12 L=41	28,43,43
221	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.06	0.22	0.76	2d8/12 L=41	28,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.07	0.25	0.86	2d8/12 L=41	28,43,43
217	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.05	0.21	0.87	2d8/15 L=41	28,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.06	0.23	0.96	2d8/15 L=41	28,43,43
213	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.05	0.20	0.82	2d8/15 L=41	28,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.06	0.21	0.88	2d8/15 L=41	28,43,43
209	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.05	0.19	0.76	2d8/15 L=41	28,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.05	0.20	0.81	2d8/15 L=41	28,43,43
205	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.05	0.24	0.71	2d8/15 L=41	28,38,46
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.05	0.26	0.75	2d8/15 L=41	28,35,43
201	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.04	0.23	0.13	2d8/25 L=41	28,46,30
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.04	0.25	0.14	2d8/25 L=41	28,43,23
197	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.04	0.21	0.14	2d8/25 L=41	28,46,30
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.22	0.14	2d8/25 L=41	28,43,23
193	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.19	0.14	2d8/25 L=41	44,38,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.21	0.15	2d8/25 L=41	44,35,23
189	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.18	0.15	2d8/25 L=41	44,38,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.19	0.15	2d8/25 L=41	44,35,23
185	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.16	0.15	2d8/25 L=41	44,38,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.17	0.15	2d8/25 L=41	44,35,23
181	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.16	0.15	2d8/25 L=41	44,26,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.16	0.15	2d8/25 L=41	44,23,23
177	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.16	0.15	2d8/25 L=41	44,26,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.16	0.15	2d8/25 L=41	44,23,23
173	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.03	0.16	0.15	2d8/25 L=41	42,26,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.16	0.16	2d8/25 L=41	42,23,23
169	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.03	0.16	0.15	2d8/25 L=41	42,26,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.17	0.16	2d8/25 L=41	42,23,23
165	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.03	0.17	0.15	2d8/25 L=41	42,30,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.17	0.16	2d8/25 L=41	42,27,23
161	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.03	0.18	0.15	2d8/25 L=41	42,30,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.18	0.16	2d8/25 L=41	42,27,23
157	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.03	0.19	0.15	2d8/25 L=41	42,30,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.19	0.16	2d8/25 L=41	42,27,23
153	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.04	0.21	0.15	2d8/25 L=41	18,46,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.03	0.20	0.17	2d8/25 L=41	22,27,23
149	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.04	0.23	0.15	2d8/25 L=41	26,46,26
	s=1,m=1	41.5	0.34	30.0	32.3	0.0	0.08	0.04	0.22	0.17	2d8/25 L=41	22,43,23
145	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.05	0.25	0.94	2d8/20 L=41	26,46,42
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.05	0.24	0.75	2d8/20 L=41	30,43,42
141	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.06	0.24	0.76	2d8/15 L=41	26,38,46
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.05	0.24	0.73	2d8/15 L=41	26,35,43
137	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.07	0.26	0.81	2d8/15 L=41	26,38,46
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.06	0.25	0.78	2d8/15 L=41	26,35,43
133	ok,ok	0.0	0.34	30.0	32.3	12.1	0.05	0.08	0.22	0.86	2d8/15 L=41	26,30,46
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.07	0.23	0.83	2d8/15 L=41	26,27,43
129	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.09	0.22	0.89	2d8/15 L=41	26,37,46
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.08	0.23	0.88	2d8/15 L=41	26,36,43
125	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.10	0.23	0.93	2d8/15 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.09	0.23	0.92	2d8/15 L=41	26,27,43
121	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.11	0.24	0.96	2d8/15 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.10	0.24	0.95	2d8/15 L=41	26,43,43
117	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.12	0.24	0.98	2d8/15 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.11	0.24	0.98	2d8/15 L=41	26,43,43
113	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.13	0.25	0.84	2d8/12 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.12	0.25	0.84	2d8/12 L=41	26,43,43
108	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.14	0.25	0.85	2d8/12 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.13	0.26	0.85	2d8/12 L=41	26,43,43
102	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.16	0.26	0.86	2d8/12 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.15	0.26	0.86	2d8/12 L=41	26,43,43
96	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.17	0.26	0.87	2d8/12 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.16	0.26	0.88	2d8/12 L=41	26,43,43
90	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.18	0.26	0.89	2d8/12 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.17	0.27	0.88	2d8/12 L=41	26,43,43
84	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.19	0.27	0.90	2d8/12 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.18	0.27	0.89	2d8/12 L=41	26,43,43
78	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.20	0.27	0.90	2d8/12 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.19	0.27	0.88	2d8/12 L=41	26,43,43
72	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.21	0.27	0.90	2d8/12 L=41	26,46,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.21	0.26	0.86	2d8/12 L=41	26,43,43
66	ok,ok	0.0	0.34	30.0	32.3	16.1	0.08	0.21	0.27	0.91	2d8/12 L=41	26,46,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.08	0.22	0.26	0.84	2d8/12 L=41	26,43,39
60	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.22	0.28	0.92	2d8/12 L=41	26,46,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.22	0.25	0.82	2d8/12 L=41	26,43,39
54	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.22	0.28	0.92	2d8/12 L=41	26,46,42
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.23	0.25	0.82	2d8/12 L=41	26,43,39
48	ok,ok	0.0	0.34	30.0	32.3	16.1	0.05	0.22	0.33	0.95	2d8/12 L=41	26,30,46
	s=1,m=1	41.5	0.34	30.0	32.3	16.1	0.05	0.22	0.30	0.87	2d8/12 L=41	26,27,43
42	ok,ok	0.0	0.34	30.0	32.3	18.5	0.05	0.21	0.42	0.77	2d8/8 L=41	26,30,46

	s=1,m=1	41.5	0.34	30.0	32.3	17.3	0.05	0.25	0.40	0.74	2d8/8 L=41	26,27,43
36	ok,ok	0.0	0.34	30.0	32.3	17.3	0.05	0.24	0.40	0.74	2d8/8 L=41	26,27,43
	s=1,m=1	41.5	0.34	30.0	32.3	17.1	0.05	0.27	0.44	0.79	2d8/8 L=41	26,27,43
30	ok,ok	0.0	0.34	30.0	32.3	17.1	0.05	0.27	0.45	0.79	2d8/8 L=41	26,27,43
	s=1,m=1	41.5	0.34	30.0	32.3	17.0	0.08	0.24	0.49	0.84	2d8/8 L=41	26,27,43
24	ok,ok	0.0	0.34	30.0	32.3	17.0	0.08	0.23	0.49	0.84	2d8/8 L=41	26,27,43
	s=1,m=1	41.5	0.34	30.0	32.3	16.9	0.08	0.22	0.53	0.90	2d8/8 L=41	18,27,43
19	ok,ok	0.0	0.34	30.0	32.3	12.1	0.08	0.34	0.46	0.73	2d8/10 L=41	25,35,43
	s=1,m=1	41.5	0.34	30.0	32.3	12.1	0.08	0.33	0.51	0.81	2d8/10 L=41	25,35,43
6	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.18	0.19	0.21	2d8/25 L=47	17,11,11
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.17	0.12	0.10	2d8/25 L=47	17,25,46
337	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.16	0.20	0.23	2d8/25 L=47	17,11,11
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.15	0.14	0.11	2d8/25 L=47	25,25,11
331	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.15	0.19	0.22	2d8/25 L=47	25,11,11
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.05	0.13	0.12	0.10	2d8/25 L=47	25,25,11
297	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.13	0.17	0.19	2d8/25 L=40	25,25,11
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.12	0.12	0.08	2d8/25 L=40	25,25,11
335	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.12	0.17	0.17	2d8/25 L=40	26,25,30
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.11	0.12	0.08	2d8/25 L=40	26,25,26
341	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.11	0.17	0.17	2d8/25 L=40	26,25,30
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.10	0.11	0.07	2d8/25 L=40	26,25,30
343	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.16	0.16	2d8/25 L=40	26,30,30
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.09	0.11	0.07	2d8/25 L=40	26,25,30
345	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.10	0.16	0.15	2d8/25 L=40	26,30,30
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.08	0.10	0.07	2d8/25 L=40	26,25,27
347	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.09	0.15	0.14	2d8/25 L=40	26,30,30
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.08	0.09	0.06	2d8/25 L=40	26,25,27
349	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.08	0.14	0.12	2d8/25 L=40	26,30,30
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.07	0.08	0.05	2d8/25 L=40	26,30,27
351	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.13	0.11	2d8/25 L=40	26,26,30
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.07	0.07	0.05	2d8/25 L=40	26,23,23
353	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.12	0.09	2d8/25 L=40	26,26,30
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.06	0.08	0.06	2d8/25 L=40	26,23,23
355	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.06	0.11	0.07	2d8/25 L=40	26,30,30
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.06	0.10	0.10	2d8/25 L=40	26,23,15
357	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.06	0.09	0.08	2d8/25 L=40	26,27,27
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.06	0.13	0.15	2d8/25 L=40	26,23,3
359	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.06	0.12	0.11	2d8/25 L=40	26,23,27
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.05	0.07	0.16	0.21	2d8/25 L=40	26,15,3
361	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.06	0.13	0.12	2d8/25 L=40	26,23,15
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.08	0.08	0.18	0.23	2d8/25 L=40	26,15,3
363	ok,ok	0.0	0.34	30.0	32.3	0.0	0.05	0.07	0.12	0.11	2d8/25 L=40	26,23,15
	s=1,m=1	40.0	0.34	30.0	32.3	0.0	0.08	0.08	0.18	0.23	2d8/25 L=40	26,15,3
							M_T= 5	**Z=0.0**	**N=5**	**N=7**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
7	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.12	0.30	0.26	2d8/25 L=40	35,19,43
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.11	0.37	0.36	2d8/25 L=40	35,19,43
328	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.11	0.26	0.23	2d8/25 L=40	35,19,43
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.10	0.33	0.33	2d8/25 L=40	35,15,43
326	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.10	0.24	0.19	2d8/25 L=40	35,15,43
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.09	0.31	0.29	2d8/25 L=40	35,15,43
324	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.09	0.22	0.17	2d8/25 L=40	35,15,27
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.09	0.29	0.28	2d8/25 L=40	35,15,23
322	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.09	0.22	0.17	2d8/25 L=40	33,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.10	0.29	0.28	2d8/25 L=40	33,15,23
320	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.10	0.21	0.18	2d8/25 L=40	33,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.10	0.28	0.29	2d8/25 L=40	33,15,23
318	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.11	0.21	0.19	2d8/25 L=40	33,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.11	0.28	0.30	2d8/25 L=40	33,15,23
316	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.11	0.21	0.20	2d8/25 L=40	33,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.12	0.28	0.30	2d8/25 L=40	33,15,23
314	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.12	0.21	0.20	2d8/25 L=40	17,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.13	0.28	0.31	2d8/25 L=40	33,15,23
312	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.14	0.20	0.20	2d8/25 L=40	17,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.15	0.27	0.31	2d8/25 L=40	17,15,23
310	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.16	0.19	0.19	2d8/25 L=40	17,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.17	0.26	0.30	2d8/25 L=40	17,15,23
308	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.18	0.18	0.17	2d8/25 L=40	17,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.18	0.25	0.28	2d8/25 L=40	17,15,23
306	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.20	0.15	0.14	2d8/25 L=40	17,15,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.19	0.23	0.25	2d8/25 L=40	17,15,23
304	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.21	0.16	0.16	2d8/25 L=40	17,18,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.20	0.19	0.20	2d8/25 L=40	17,15,23
302	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.22	0.16	0.17	2d8/25 L=40	17,18,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.21	0.15	0.15	2d8/25 L=40	17,23,23
300	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.22	0.17	0.16	2d8/25 L=40	17,11,46
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.22	0.12	0.07	2d8/25 L=40	17,35,27
298	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.23	0.19	0.21	2d8/25 L=40	17,9,18
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.22	0.12	0.10	2d8/25 L=40	17,31,18
							M_T= 6	**Z=0.0**	**N=7**	**N=12**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
8	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.06	0.50	0.33	2d8/25 L=47	37,18,18
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.05	0.44	0.24	2d8/25 L=47	37,18,18
338	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.05	0.56	0.43	2d8/25 L=47	15,18,18
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.08	0.51	0.35	2d8/25 L=47	15,18,18
332	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.09	0.53	0.38	2d8/25 L=47	15,21,18
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.05	0.08	0.48	0.30	2d8/25 L=47	15,21,18
13	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.27	0.52	0.44	2d8/15 L=119	15,18,18
	s=1,m=1	280.0	0.34	30.0	32.3	0.0	0.05	0.18	0.19	0.22	2d8/25 L=321	18,15,18
		560.0	0.34	30.0	32.3	0.0	0.08	0.12	0.48	0.41	2d8/15 L=119	15,15,4
							M_T= 7	**Z=0.0**	**N=9**	**N=10**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
9	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.19	0.25	0.21	2d8/25 L=40	17,18,18
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.19	0.28	0.31	2d8/25 L=40	17,15,15
411	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.19	0.19	0.15	2d8/25 L=40	17,18,9
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.18	0.14	0.10	2d8/25 L=40	17,18,39
410	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.18	0.23	0.18	2d8/25 L=40	17,26,30
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.18	0.16	0.09	2d8/25 L=40	17,26,30
409	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.17	0.25	0.23	2d8/25 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.18	0.19	0.13	2d8/25 L=40	17,26,26
408	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.17	0.25	0.24	2d8/25 L=40	17,26,26

	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.18	0.19	0.14	2d8/25 L=40	17,26,26
407	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.18	0.24	0.24	2d8/25 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.18	0.18	0.14	2d8/25 L=40	17,26,26
406	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.18	0.23	0.23	2d8/25 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.18	0.17	0.13	2d8/25 L=40	17,26,26
405	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.19	0.21	0.21	2d8/25 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.19	0.15	0.11	2d8/25 L=40	17,26,26
404	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.19	0.20	0.19	2d8/25 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.19	0.14	0.09	2d8/25 L=40	17,26,26
403	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.20	0.19	0.19	2d8/25 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.19	0.13	0.09	2d8/25 L=40	17,26,26
402	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.20	0.20	0.22	2d8/25 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.19	0.14	0.12	2d8/25 L=40	17,26,26
401	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.20	0.26	0.31	2d8/25 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.18	0.20	0.21	2d8/25 L=40	17,26,26
400	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.19	0.31	0.23	2d8/15 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.18	0.25	0.17	2d8/15 L=40	17,26,26
399	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.18	0.25	0.17	2d8/15 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.19	0.19	0.13	2d8/15 L=40	17,26,23
398	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.19	0.19	0.13	2d8/15 L=40	17,26,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.19	0.25	0.18	2d8/15 L=40	17,23,23
397	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.20	0.14	0.14	2d8/25 L=40	17,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.19	0.19	0.23	2d8/25 L=40	17,23,35
396	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.20	0.09	0.07	2d8/25 L=40	17,30,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.20	0.12	0.14	2d8/25 L=40	17,27,35
395	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.20	0.08	0.07	2d8/25 L=40	17,30,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.20	0.10	0.11	2d8/25 L=40	17,27,43
394	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.20	0.08	0.08	2d8/25 L=40	17,30,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.20	0.09	0.10	2d8/25 L=40	17,27,43
393	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.20	0.08	0.09	2d8/25 L=40	17,30,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.20	0.09	0.11	2d8/25 L=40	17,27,43
392	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.21	0.08	0.09	2d8/25 L=40	17,30,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.21	0.09	0.12	2d8/25 L=40	17,27,35
391	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.21	0.08	0.10	2d8/25 L=40	25,30,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.21	0.10	0.13	2d8/25 L=40	17,27,35
390	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.21	0.07	0.09	2d8/25 L=40	25,26,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.21	0.10	0.14	2d8/25 L=40	25,27,35
389	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.22	0.07	0.09	2d8/25 L=40	25,46,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.22	0.11	0.15	2d8/25 L=40	25,27,35
388	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.22	0.06	0.08	2d8/25 L=40	25,46,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.22	0.11	0.17	2d8/25 L=40	25,27,35
387	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.23	0.06	0.08	2d8/25 L=40	26,38,35
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.23	0.12	0.18	2d8/25 L=40	26,43,35
386	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.24	0.06	0.09	2d8/25 L=40	26,35,35
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.24	0.12	0.18	2d8/25 L=40	26,43,35
385	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.25	0.06	0.09	2d8/25 L=40	26,15,35
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.25	0.12	0.18	2d8/25 L=40	26,43,35
384	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.26	0.07	0.09	2d8/25 L=40	26,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.26	0.12	0.18	2d8/25 L=40	26,23,35
383	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.27	0.07	0.08	2d8/25 L=40	26,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.27	0.12	0.18	2d8/25 L=40	26,15,23
382	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.28	0.07	0.07	2d8/25 L=40	26,15,23
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.28	0.12	0.17	2d8/25 L=40	26,15,11
381	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.29	0.07	0.07	2d8/25 L=40	26,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.29	0.12	0.16	2d8/25 L=40	26,15,11
380	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.29	0.09	0.08	2d8/25 L=40	26,23,35
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.30	0.14	0.19	2d8/25 L=40	26,15,9
379	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.30	0.15	0.20	2d8/25 L=40	26,23,35
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.31	0.21	0.30	2d8/25 L=40	26,35,43
378	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.30	0.22	0.18	2d8/15 L=40	26,35,35
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.33	0.29	0.24	2d8/15 L=40	26,35,43
377	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.33	0.29	0.24	2d8/15 L=40	26,35,43
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.36	0.36	0.32	2d8/15 L=40	26,9,9
376	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.36	0.36	0.32	2d8/15 L=40	26,9,9
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.39	0.46	0.41	2d8/15 L=40	26,11,11
375	ok,ok	0.0	0.33	39.5	38.6	0.0	0.05	0.38	0.26	0.38	2d8/25 L=40	26,9,9
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.40	0.36	0.53	2d8/25 L=40	26,11,11
374	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.40	0.14	0.14	2d8/25 L=40	26,15,9
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.41	0.21	0.30	2d8/25 L=40	26,15,11
373	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.40	0.12	0.09	2d8/25 L=40	26,23,27
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.42	0.19	0.21	2d8/25 L=40	26,23,23
372	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.40	0.14	0.13	2d8/25 L=40	26,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.41	0.19	0.19	2d8/25 L=40	26,23,23
371	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.40	0.18	0.18	2d8/25 L=40	26,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.41	0.19	0.18	2d8/25 L=40	26,23,23
370	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.39	0.21	0.22	2d8/25 L=40	26,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.39	0.20	0.18	2d8/25 L=40	26,23,23
369	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.38	0.24	0.25	2d8/25 L=40	26,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.37	0.21	0.18	2d8/25 L=40	26,23,23
368	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.37	0.25	0.26	2d8/25 L=40	26,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.35	0.21	0.17	2d8/25 L=40	26,23,26
367	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.35	0.26	0.27	2d8/25 L=40	26,26,30
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.33	0.19	0.17	2d8/25 L=40	26,26,26
366	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.33	0.25	0.27	2d8/25 L=40	26,26,4
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.31	0.19	0.16	2d8/25 L=40	26,26,30
365	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.31	0.29	0.37	2d8/25 L=40	26,26,4
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.29	0.20	0.20	2d8/25 L=40	26,26,4
364	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.29	0.51	0.63	2d8/25 L=40	26,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.26	0.42	0.50	2d8/25 L=40	26,26,26
							M_T= 8	**Z=0.0**	**N=8**	**N=11**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
10	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.06	0.55	0.35	2d8/25 L=47	22,26,23
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.07	0.52	0.45	2d8/25 L=47	28,11,23
339	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.07	0.60	0.41	2d8/25 L=47	24,26,23
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.14	0.55	0.51	2d8/25 L=47	23,26,23
333	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.14	0.55	0.20	2d8/25 L=47	23,26,26
	s=1,m=1	46.7	0.34	30.0	32.3	0.0	0.08	0.16	0.50	0.17	2d8/25 L=47	23,26,23
12	ok,ok	0.0	0.34	30.0	32.3	0.0	0.08	0.44	0.70	0.61	2d8/15 L=119	23,26,26
	s=1,m=1	280.0	0.34	30.0	32.3	0.0	0.05	0.18	0.25	0.33	2d8/25 L=321	4,26,26
		560.0	0.34	30.0	32.3	0.0	0.08	0.14	0.47	0.42	2d8/15 L=119	23,4,4
							M_T= 9	**Z=0.0**	**N=6**	**N=8**		

Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
11	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.30	0.22	0.20	2d8/25 L=40	26,38,38
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.29	0.14	0.10	2d8/25 L=40	26,38,35
299	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.28	0.21	0.17	2d8/25 L=40	26,26,30
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.28	0.13	0.12	2d8/25 L=40	26,26,27
301	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.26	0.25	0.22	2d8/25 L=40	26,26,30
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.27	0.17	0.18	2d8/25 L=40	26,26,27
303	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.24	0.28	0.25	2d8/25 L=40	26,26,30
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.26	0.20	0.19	2d8/25 L=40	26,26,27
305	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.23	0.30	0.27	2d8/25 L=40	26,26,26
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.24	0.22	0.17	2d8/25 L=40	26,26,27
307	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.21	0.31	0.29	2d8/25 L=40	26,26,30
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.22	0.23	0.17	2d8/25 L=40	26,26,30
309	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.20	0.32	0.29	2d8/25 L=40	26,26,30
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.20	0.25	0.18	2d8/25 L=40	26,26,30
311	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.18	0.33	0.29	2d8/25 L=40	26,26,30
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.17	0.26	0.19	2d8/25 L=40	26,26,30
313	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.16	0.34	0.30	2d8/25 L=40	38,26,11
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.09	0.15	0.27	0.18	2d8/25 L=40	26,26,30
315	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.15	0.34	0.31	2d8/25 L=40	38,26,11
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.14	0.27	0.18	2d8/25 L=40	38,26,30
317	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.14	0.35	0.32	2d8/25 L=40	38,26,11
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.12	0.28	0.18	2d8/25 L=40	38,26,30
319	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.13	0.35	0.32	2d8/25 L=40	38,26,11
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.11	0.29	0.18	2d8/25 L=40	38,26,46
321	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.11	0.36	0.32	2d8/25 L=40	38,26,11
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.10	0.29	0.19	2d8/25 L=40	38,26,46
323	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.10	0.37	0.33	2d8/25 L=40	32,26,11
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.08	0.30	0.20	2d8/25 L=40	32,26,46
325	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.09	0.38	0.34	2d8/25 L=40	32,26,46
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.07	0.32	0.23	2d8/25 L=40	32,26,46
327	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.08	0.41	0.38	2d8/25 L=40	32,30,46
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.06	0.35	0.28	2d8/25 L=40	40,26,46
329	ok,ok	0.0	0.33	39.5	38.6	0.0	0.09	0.06	0.46	0.43	2d8/25 L=40	32,30,46
	s=2,m=1	40.1	0.33	39.5	38.6	0.0	0.05	0.08	0.39	0.33	2d8/25 L=40	40,30,46
							M_T= 26	**Z=380.0**	**N=17**	**N=18**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
922	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	0.06	0.33	0.69	2d8/25 L=41	43,40,46
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	0.01	0.34	0.70	2d8/25 L=41	46,45,43
1299	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	0.02	0.29	0.72	2d8/25 L=41	43,46,46
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	6.74e-03	0.29	0.71	2d8/25 L=41	28,43,43
1296	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	8.12e-03	0.30	0.73	2d8/25 L=41	27,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	9.50e-03	0.30	0.72	2d8/25 L=41	23,39,39
1293	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	7.79e-03	0.31	0.73	2d8/25 L=41	27,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	4.16e-03	0.31	0.74	2d8/25 L=41	23,39,39
1290	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.35e-03	0.32	0.75	2d8/25 L=41	11,39,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.31e-03	0.32	0.77	2d8/25 L=41	27,39,39
1287	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.95e-03	0.33	0.78	2d8/25 L=41	27,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.27e-03	0.33	0.79	2d8/25 L=41	11,39,39
1284	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.84e-03	0.33	0.80	2d8/25 L=41	30,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	4.51e-03	0.33	0.79	2d8/25 L=41	27,39,39
1281	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	6.65e-03	0.33	0.78	2d8/25 L=41	27,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.95e-03	0.33	0.78	2d8/25 L=41	9,39,39
1278	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.57e-03	0.32	0.76	2d8/25 L=41	27,46,46
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.58e-03	0.32	0.77	2d8/25 L=41	27,43,43
1274	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	1.08e-03	0.32	0.75	2d8/25 L=41	27,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.78e-03	0.32	0.76	2d8/25 L=41	27,41,41
1270	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.83e-03	0.31	0.73	2d8/25 L=41	29,44,44
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.83e-03	0.31	0.73	2d8/25 L=41	25,45,45
1266	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.98e-03	0.29	0.70	2d8/25 L=41	27,44,44
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	4.56e-03	0.29	0.70	2d8/25 L=41	27,44,44
1262	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.31e-03	0.28	0.67	2d8/25 L=41	28,44,44
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.59e-03	0.28	0.67	2d8/25 L=41	9,44,44
1258	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.55e-03	0.28	0.66	2d8/25 L=41	26,44,44
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.77e-03	0.28	0.66	2d8/25 L=41	30,44,44
1254	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	5.17e-03	0.28	0.65	2d8/25 L=41	30,44,44
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	4.83e-03	0.28	0.65	2d8/25 L=41	27,44,44
1250	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	5.77e-03	0.27	0.64	2d8/25 L=41	27,44,44
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.59e-03	0.27	0.64	2d8/25 L=41	27,44,44
1246	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.34e-03	0.26	0.62	2d8/25 L=41	27,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.68e-03	0.26	0.62	2d8/25 L=41	43,40,40
1242	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.88e-03	0.25	0.59	2d8/25 L=41	27,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.54e-03	0.25	0.59	2d8/25 L=41	29,40,40
1238	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.16e-03	0.30	0.55	2d8/25 L=41	27,32,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.97e-03	0.30	0.55	2d8/25 L=41	25,32,40
1234	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	1.98e-03	0.30	0.50	2d8/25 L=41	27,39,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.11e-03	0.30	0.50	2d8/25 L=41	25,42,40
1230	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.98e-03	0.28	7.34e-03	2d8/25 L=41	27,40,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	2.11e-03	0.28	7.72e-03	2d8/25 L=41	25,40,26
1226	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.03e-03	0.25	7.46e-03	2d8/25 L=41	27,40,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	2.02e-03	0.25	7.82e-03	2d8/25 L=41	25,40,26
1222	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.07e-03	0.22	7.51e-03	2d8/25 L=41	27,40,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.90e-03	0.22	7.80e-03	2d8/25 L=41	25,40,26
1218	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.09e-03	0.19	7.50e-03	2d8/25 L=41	23,40,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.77e-03	0.19	7.70e-03	2d8/25 L=41	29,40,26
1214	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.10e-03	0.17	7.47e-03	2d8/25 L=41	23,32,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.64e-03	0.17	7.56e-03	2d8/25 L=41	29,32,26
1210	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.11e-03	0.14	7.42e-03	2d8/25 L=41	23,32,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.52e-03	0.14	7.43e-03	2d8/25 L=41	29,32,26
1206	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.12e-03	0.12	7.37e-03	2d8/25 L=41	23,32,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.42e-03	0.12	7.31e-03	2d8/25 L=41	29,32,26
1202	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.13e-03	0.11	7.30e-03	2d8/25 L=41	23,32,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.33e-03	0.11	7.22e-03	2d8/25 L=41	28,32,26
1198	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.16e-03	0.10	7.22e-03	2d8/25 L=41	23,32,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.25e-03	0.10	7.17e-03	2d8/25 L=41	29,32,26
1194	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.19e-03	0.10	7.13e-03	2d8/25 L=41	23,32,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.18e-03	0.10	7.16e-03	2d8/25 L=41	29,32,26
1190	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.23e-03	0.11	7.03e-03	2d8/25 L=41	23,31,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.12e-03	0.11	7.17e-03	2d8/25 L=41	29,34,26
1186	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.28e-03	0.14	6.95e-03	2d8/25 L=41	23,39,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.06e-03	0.14	7.20e-03	2d8/25 L=41	29,42,26

1182	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.34e-03	0.17	6.89e-03	2d8/25 L=41	23,39,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.01e-03	0.17	7.23e-03	2d8/25 L=41	29,42,26
1178	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.43e-03	0.21	6.86e-03	2d8/25 L=41	23,39,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	9.60e-04	0.21	7.28e-03	2d8/25 L=41	29,42,26
1174	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.53e-03	0.24	6.86e-03	2d8/25 L=41	23,39,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	9.20e-04	0.24	7.34e-03	2d8/25 L=41	29,42,26
1170	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.64e-03	0.27	6.89e-03	2d8/25 L=41	23,39,24
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	8.88e-04	0.27	7.43e-03	2d8/25 L=41	29,39,25
1166	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.76e-03	0.29	6.94e-03	2d8/25 L=41	23,39,24
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	8.66e-04	0.29	7.53e-03	2d8/25 L=41	29,39,25
1161	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.89e-03	0.29	0.52	2d8/25 L=41	23,44,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	8.53e-04	0.29	0.52	2d8/25 L=41	29,45,39
1153	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.02e-03	0.28	0.55	2d8/25 L=41	23,31,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	8.49e-04	0.28	0.55	2d8/25 L=41	29,31,39
1146	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.15e-03	0.30	0.58	2d8/25 L=41	23,31,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	8.67e-04	0.30	0.58	2d8/25 L=41	45,31,39
1140	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.30e-03	0.30	0.61	2d8/25 L=41	23,37,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	8.96e-04	0.30	0.61	2d8/25 L=41	45,37,39
1135	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.45e-03	0.27	0.63	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	9.27e-04	0.27	0.63	2d8/25 L=41	45,39,39
1128	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.63e-03	0.28	0.66	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	9.58e-04	0.28	0.66	2d8/25 L=41	45,39,39
1121	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.84e-03	0.29	0.67	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	9.87e-04	0.29	0.67	2d8/25 L=41	45,39,39
1114	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.07e-03	0.29	0.69	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.01e-03	0.29	0.69	2d8/25 L=41	45,39,39
1107	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.33e-03	0.30	0.71	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.02e-03	0.30	0.71	2d8/25 L=41	45,39,39
1098	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.61e-03	0.31	0.72	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.02e-03	0.31	0.72	2d8/25 L=41	45,39,39
1089	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.89e-03	0.31	0.73	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.01e-03	0.31	0.73	2d8/25 L=41	45,39,39
1078	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	5.15e-03	0.31	0.74	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.02e-03	0.31	0.74	2d8/25 L=41	37,39,39
1068	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	5.32e-03	0.32	0.75	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.21e-03	0.31	0.74	2d8/25 L=41	31,39,39
1057	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	5.34e-03	0.31	0.74	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.53e-03	0.31	0.74	2d8/25 L=41	31,39,39
1045	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	5.04e-03	0.31	0.73	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.22e-03	0.31	0.73	2d8/25 L=41	3,39,39
1032	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.16e-03	0.29	0.70	2d8/25 L=41	23,39,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	4.25e-03	0.29	0.70	2d8/25 L=41	25,39,39
1019	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.90e-03	0.27	0.65	2d8/25 L=41	4,41,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	7.32e-03	0.27	0.66	2d8/25 L=41	25,41,41
1004	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	5.55e-03	0.25	0.60	2d8/25 L=41	29,41,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	8.19e-03	0.25	0.59	2d8/25 L=41	25,41,41
987	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.44e-03	0.29	0.54	2d8/25 L=41	29,43,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	9.43e-03	0.29	0.52	2d8/25 L=41	24,43,41
970	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.75e-03	0.28	0.01	2d8/25 L=41	34,41,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	9.35e-03	0.27	6.52e-03	2d8/25 L=41	24,41,26
955	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.50e-03	0.24	0.02	2d8/25 L=41	26,41,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	8.33e-03	0.23	9.48e-03	2d8/25 L=41	23,41,26
941	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.20	0.02	2d8/25 L=41	26,41,23
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	0.01	0.19	0.01	2d8/25 L=41	4,41,23
932	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.17	0.04	2d8/25 L=41	26,45,4
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	0.04	0.17	0.03	2d8/25 L=41	25,45,25
927	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.04	0.13	0.04	2d8/25 L=47	30,40,30
	s=12,m=1	46.7	0.45	4.0	4.0	0.0	0.13	5.73e-03	0.14	0.04	2d8/25 L=47	43,40,30
959	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.50e-03	0.04	0.03	2d8/25 L=47	42,32,16
	s=12,m=1	46.7	0.45	4.0	4.0	0.0	0.13	0.05	0.05	0.04	2d8/25 L=47	16,32,16
945	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.07	0.06	0.05	2d8/25 L=47	24,45,26
	s=12,m=1	46.7	0.45	4.0	4.0	0.0	0.13	0.03	0.07	0.06	2d8/25 L=47	16,45,26
936	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.02	0.03	2d8/25 L=40	29,37,25
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.02	0.03	0.03	2d8/25 L=40	24,27,24
1102	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.03	0.04	2d8/25 L=40	29,3,18
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.03	0.02	0.03	2d8/25 L=40	16,3,18
1093	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.04	0.02	0.03	2d8/25 L=40	16,25,17
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	6.76e-03	0.03	0.03	2d8/25 L=40	19,24,16
1082	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.04	0.03	0.03	2d8/25 L=40	24,24,25
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	3.83e-03	0.03	0.04	2d8/25 L=40	25,24,24
1072	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.02	0.03	2d8/25 L=40	24,25,25
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	5.18e-03	0.02	0.02	2d8/25 L=40	26,24,25
1061	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.02	0.02	2d8/25 L=40	23,26,26
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	7.37e-03	0.02	0.02	2d8/25 L=40	23,23,23
1049	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.76e-03	0.02	0.02	2d8/25 L=40	15,27,19
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.02	0.02	0.03	2d8/25 L=40	27,27,19
1036	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.04	0.05	2d8/25 L=40	28,16,15
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.07	0.05	0.06	2d8/25 L=40	24,16,15
1023	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.08	0.04	0.05	2d8/25 L=40	23,24,25
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.03	0.04	0.06	2d8/25 L=40	3,24,25
1009	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.06	0.02	0.02	2d8/25 L=40	3,11,25
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.03	0.01	0.01	2d8/25 L=40	15,27,25
992	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.02	0.03	2d8/25 L=40	3,25,25
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.02	0.02	0.02	2d8/25 L=40	26,23,25
975	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.05	0.07	2d8/25 L=40	23,3,19
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.09	0.04	0.06	2d8/25 L=40	15,15,19
961	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.08	0.05	0.06	2d8/25 L=40	15,23,23
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.02	0.06	0.07	2d8/25 L=40	3,23,23
950	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.04	0.05	0.04	2d8/25 L=40	15,26,23
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.02	0.05	0.05	2d8/25 L=40	25,23,23
							M_T= 27	**Z=380.0**	**N=16**	**N=18**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
923	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.11	0.11	2d8/25 L=40	17,18,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.09	0.08	2d8/25 L=40	3,18,3
1129	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.16e-03	0.12	0.10	2d8/25 L=40	3,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.13	0.10	2d8/25 L=40	4,18,4
1122	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.39e-03	0.12	0.09	2d8/25 L=40	3,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.14	0.11	2d8/25 L=40	4,18,4
1115	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.13	0.09	2d8/25 L=40	24,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.14	0.10	2d8/25 L=40	3,18,4
1108	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.13	0.11	2d8/25 L=40	36,18,3

	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.84e-03	0.12	0.09	2d8/25 L=40	34,18,4
1099	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.86e-03	0.13	0.11	2d8/25 L=40	37,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.12e-03	0.12	0.08	2d8/25 L=40	24,18,4
1090	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.41e-03	0.13	0.11	2d8/25 L=40	25,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.99e-03	0.12	0.08	2d8/25 L=40	24,18,4
1079	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.93e-03	0.13	0.11	2d8/25 L=40	18,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.99e-03	0.13	0.09	2d8/25 L=40	25,18,4
1069	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.13	0.09	2d8/25 L=40	15,18,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.15	0.10	2d8/25 L=40	42,18,3
1058	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.56e-03	0.12	0.09	2d8/25 L=40	19,18,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.15	0.11	2d8/25 L=40	18,18,3
1046	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.04	0.12	0.09	2d8/25 L=40	16,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.05	0.13	0.11	2d8/25 L=40	16,18,4
1033	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.12	0.09	2d8/25 L=40	15,22,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	5.10e-03	0.11	0.11	2d8/25 L=40	37,17,4
1020	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.11	0.10	2d8/25 L=40	37,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.21e-03	0.10	0.09	2d8/25 L=40	36,18,4
1005	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.10	2d8/25 L=40	37,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.09	2d8/25 L=40	36,21,4
988	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.09	0.10	2d8/25 L=40	4,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.10	2d8/25 L=40	37,18,4
971	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.08	0.09	2d8/25 L=40	34,17,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.11	2d8/25 L=40	4,18,3
956	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.20e-03	0.07	0.08	2d8/25 L=40	31,25,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.09	0.11	2d8/25 L=40	34,22,3
942	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.06	0.05	2d8/25 L=40	16,15,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.07	0.08	2d8/25 L=40	18,18,3
1276	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.05	0.05	2d8/25 L=40	16,24,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.06	0.08	2d8/25 L=40	16,25,3
1272	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.61e-03	0.04	0.05	2d8/25 L=40	36,3,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.06	0.08	2d8/25 L=40	15,4,4
1268	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.03e-03	0.06	0.07	2d8/25 L=40	16,4,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.06	0.06	2d8/25 L=40	15,4,4
1264	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.09	0.09	2d8/25 L=40	16,4,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.82e-03	0.05	0.04	2d8/25 L=40	18,4,4
1260	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.08	0.09	2d8/25 L=40	15,4,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.05	0.04	2d8/25 L=40	24,4,4
1256	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.07	0.07	2d8/25 L=40	34,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.04e-03	0.07	0.06	2d8/25 L=40	24,4,3
1252	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.06	0.06	2d8/25 L=40	32,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.94e-03	0.07	0.07	2d8/25 L=40	18,4,3
1248	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.59e-03	0.06	0.06	2d8/25 L=40	17,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.46e-03	0.07	0.07	2d8/25 L=40	11,4,3
1244	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.68e-03	0.06	0.06	2d8/25 L=40	34,4,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.26e-03	0.06	0.07	2d8/25 L=40	16,4,4
1240	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.51e-03	0.06	0.06	2d8/25 L=40	23,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	5.98e-03	0.06	0.07	2d8/25 L=40	16,4,3
1236	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.08e-03	0.06	0.07	2d8/25 L=40	24,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.63e-03	0.05	0.06	2d8/25 L=40	16,4,3
1232	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.19e-03	0.05	0.07	2d8/25 L=40	24,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.59e-03	0.05	0.06	2d8/25 L=40	15,4,3
1228	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.08e-03	0.05	0.07	2d8/25 L=40	24,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.30e-03	0.05	0.06	2d8/25 L=40	37,4,3
1224	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.18e-03	0.05	0.07	2d8/25 L=40	16,3,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	5.53e-03	0.05	0.06	2d8/25 L=40	25,4,4
1220	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.80e-03	0.05	0.06	2d8/25 L=40	16,23,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.43e-03	0.05	0.06	2d8/25 L=40	25,3,4
1216	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.06	0.06	2d8/25 L=40	16,23,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.06	0.07	2d8/25 L=40	26,26,4
1212	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.06	0.06	2d8/25 L=40	24,24,23
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.07	0.07	2d8/25 L=40	38,25,4
1208	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.84e-03	0.07	0.04	2d8/25 L=40	24,25,33
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.03	0.07	0.09	2d8/25 L=40	32,30,4
1204	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.05	0.07	0.07	2d8/25 L=40	16,24,16
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.83e-03	0.10	0.09	2d8/25 L=40	38,25,17
1200	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.04	0.06	2d8/25 L=40	23,23,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.48e-03	0.05	0.07	2d8/25 L=40	32,4,4
1196	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.05	0.06	2d8/25 L=40	35,17,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.97e-03	0.05	0.07	2d8/25 L=40	17,4,3
1192	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.11	0.10	2d8/25 L=40	17,22,18
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.05	0.06	0.05	2d8/25 L=40	34,22,15
1188	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.08	0.06	2d8/25 L=40	36,17,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.68e-03	0.08	0.06	2d8/25 L=40	36,22,4
1184	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.07	0.06	2d8/25 L=40	16,17,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.38e-03	0.07	0.07	2d8/25 L=40	15,16,3
1180	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.06	0.07	2d8/25 L=40	16,17,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	5.98e-03	0.06	0.06	2d8/25 L=40	15,16,3
1176	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.03e-03	0.05	0.07	2d8/25 L=40	18,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.00e-03	0.05	0.06	2d8/25 L=40	31,15,3
1172	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.03e-03	0.05	0.07	2d8/25 L=40	36,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.61e-03	0.04	0.06	2d8/25 L=40	24,4,3
1168	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.30e-03	0.05	0.07	2d8/25 L=40	24,20,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.05	0.06	2d8/25 L=40	23,4,4
1163	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.91e-03	0.05	0.07	2d8/25 L=40	23,4,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.05	0.06	2d8/25 L=40	23,26,4
1156	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.84e-03	0.06	0.05	2d8/25 L=40	31,25,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.06	0.07	2d8/25 L=40	33,3,4
1149	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.04	0.05	0.04	2d8/25 L=40	25,25,24
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.09	0.11	2d8/25 L=40	3,25,4
1143	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.05	0.06	2d8/25 L=40	23,19,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.05	0.07	2d8/25 L=40	24,16,4
1138	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.08	0.07	2d8/25 L=40	23,17,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.08	0.06	2d8/25 L=40	24,16,3
1133	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.15	0.12	2d8/25 L=40	4,17,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.05	0.10	0.02	2d8/25 L=40	38,17,26
1126	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.13	0.07	2d8/25 L=40	32,24,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.70e-03	0.12	0.05	2d8/25 L=40	28,24,3
1119	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.12	0.06	2d8/25 L=40	24,25,25
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.43e-03	0.13	0.07	2d8/25 L=40	25,24,3
1112	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.11	0.07	2d8/25 L=40	23,25,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.67e-03	0.11	0.06	2d8/25 L=40	26,24,3

1104	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.41e-03	0.10	0.07	2d8/25 L=40	26,25,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.89e-03	0.10	0.06	2d8/25 L=40	26,24,3
1095	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.16e-03	0.09	0.08	2d8/25 L=40	24,24,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.07	0.05	2d8/25 L=40	9,25,3
1084	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.12	0.11	2d8/25 L=40	24,24,24
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.04	0.07	0.06	2d8/25 L=40	24,25,25
1074	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.07	0.10	0.08	2d8/25 L=40	23,23,26
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.03	0.15	0.13	2d8/25 L=40	26,23,23
1063	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.06	0.05	2d8/25 L=40	26,26,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.07	0.07	2d8/25 L=40	23,4,4
1051	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.05	0.05	2d8/25 L=40	9,25,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.06	0.08	2d8/25 L=40	23,4,4
1038	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.05	0.06	2d8/25 L=40	9,3,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.06	0.07	2d8/25 L=40	23,4,4
1025	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.67e-03	0.05	0.06	2d8/25 L=40	9,3,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.12e-03	0.05	0.07	2d8/25 L=40	23,3,4
1011	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.78e-03	0.05	0.07	2d8/25 L=40	9,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.04e-03	0.04	0.06	2d8/25 L=40	11,3,3
994	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.92e-03	0.05	0.07	2d8/25 L=40	9,26,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.05	0.06	2d8/25 L=40	23,23,3
977	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.53e-03	0.08	0.06	2d8/25 L=40	24,26,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.04	0.08	0.07	2d8/25 L=40	24,23,4
963	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.10	0.09	2d8/25 L=40	24,26,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.11	2d8/25 L=40	23,23,4
981	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.01e-03	0.10	0.10	2d8/25 L=40	9,25,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.03e-03	0.10	0.10	2d8/25 L=40	11,25,4
999	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.00e-03	0.10	0.12	2d8/25 L=40	25,24,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.10	0.08	2d8/25 L=40	24,25,3
933	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.07	0.09	2d8/25 L=40	23,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.58e-03	0.08	0.11	2d8/25 L=40	9,3,3
947	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.08	0.10	2d8/25 L=40	24,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.07	0.09	2d8/25 L=40	23,4,3
966	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.64e-03	0.08	0.10	2d8/25 L=40	3,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.94e-03	0.08	0.10	2d8/25 L=40	23,4,3
983	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.66e-03	0.08	0.10	2d8/25 L=40	3,4,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.71e-03	0.08	0.10	2d8/25 L=40	23,4,4
1001	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.79e-03	0.08	0.10	2d8/25 L=40	12,4,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.87e-03	0.08	0.10	2d8/25 L=40	23,4,4
1016	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.10e-03	0.08	0.10	2d8/25 L=40	12,26,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.08	0.10	2d8/25 L=40	23,4,4
1029	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.98e-03	0.08	0.10	2d8/25 L=40	24,26,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.03e-03	0.08	0.10	2d8/25 L=40	4,4,4
1042	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.39e-03	0.08	0.10	2d8/25 L=40	23,29,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.08	0.10	2d8/25 L=40	23,25,4
928	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.92e-03	0.09	0.10	2d8/25 L=40	36,26,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.34e-03	0.08	0.10	2d8/25 L=40	27,30,4
937	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.56e-03	0.09	0.10	2d8/25 L=40	3,25,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.09e-03	0.08	0.10	2d8/25 L=40	23,25,3
951	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.60e-03	0.09	0.10	2d8/25 L=40	3,25,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.70e-03	0.08	0.10	2d8/25 L=40	23,25,3
979	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.00e-03	0.08	0.10	2d8/25 L=40	3,25,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.08	0.10	2d8/25 L=40	23,3,3
968	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.40e-03	0.08	0.09	2d8/25 L=40	3,3,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.09	0.10	2d8/25 L=40	15,3,3
985	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.20e-03	0.08	0.09	2d8/25 L=40	3,3,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.11	2d8/25 L=40	25,3,3
							M_T= 28	**Z=380.0**	**N=19**	**N=20**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
924	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.15	0.10	2d8/25 L=40	42,42,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.35e-03	0.15	0.09	2d8/25 L=40	20,39,4
1130	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.12	0.09	2d8/25 L=40	18,22,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.13	0.11	2d8/25 L=40	46,42,4
1123	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.13	0.10	2d8/25 L=40	18,18,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.12	0.10	2d8/25 L=40	40,22,4
1116	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.14	0.10	2d8/25 L=40	41,21,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.50e-03	0.12	0.10	2d8/25 L=40	39,21,4
1109	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.14	0.10	2d8/25 L=40	22,21,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.55e-03	0.13	0.10	2d8/25 L=40	40,21,4
1100	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.14	0.09	2d8/25 L=40	11,21,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.29e-03	0.14	0.11	2d8/25 L=40	4,21,4
1091	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.13	0.09	2d8/25 L=40	11,21,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.34e-03	0.15	0.11	2d8/25 L=40	4,21,4
1080	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.14	0.08	2d8/25 L=40	11,21,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.15	0.12	2d8/25 L=40	4,21,4
1070	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.14	0.08	2d8/25 L=40	11,21,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.15	0.12	2d8/25 L=40	40,21,4
1059	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.14	0.09	2d8/25 L=40	11,21,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	5.34e-03	0.15	0.10	2d8/25 L=40	18,21,4
1047	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.15	0.11	2d8/25 L=40	11,21,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.67e-03	0.14	0.09	2d8/25 L=40	16,21,3
1034	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.16	0.12	2d8/25 L=40	11,17,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.12e-03	0.14	0.08	2d8/25 L=40	17,17,3
1021	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.15	0.09	2d8/25 L=40	35,17,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.15	0.11	2d8/25 L=40	16,17,4
1006	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.11	0.06	2d8/25 L=40	35,17,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.05	0.18	0.23	2d8/25 L=40	11,17,11
989	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.18	0.25	2d8/25 L=40	35,9,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.11	0.28	0.42	2d8/25 L=40	11,11,11
972	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.04	0.32	0.52	2d8/25 L=40	33,9,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.22	0.43	0.70	2d8/25 L=40	11,11,11
957	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.07	0.65	0.74	2d8/20 L=40	33,20,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.41	0.72	0.88	2d8/20 L=40	11,20,11
943	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.12	0.22	0.21	2d8/25 L=40	11,15,9
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.07	0.23	0.22	2d8/25 L=40	11,15,9
964	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.06	0.15	0.20	2d8/25 L=40	11,9,9
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.04	0.16	0.21	2d8/25 L=40	11,9,9
934	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.03	0.21	0.30	2d8/25 L=40	11,9,9
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.04	0.22	0.32	2d8/25 L=40	9,11,11
948	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.02	0.27	0.39	2d8/25 L=40	15,11,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.07	0.28	0.40	2d8/25 L=40	9,11,11
929	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.04	0.31	0.45	2d8/25 L=40	11,11,11

	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.11	0.32	0.46	2d8/25 L=40	11,11,11
1008	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.08	0.33	0.48	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.18	0.34	0.49	2d8/25 L=40	11,11,11
991	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.16	0.34	0.50	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.29	0.35	0.51	2d8/25 L=40	11,11,11
974	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.29	0.34	0.50	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.45	13.4	10.3	0.0	0.06	0.28	0.35	0.51	2d8/25 L=40	11,11,11
1052	ok,ok	0.0	0.45	13.4	10.3	0.0	0.06	0.28	0.32	0.46	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.45	13.4	10.3	0.0	0.06	0.38	0.33	0.48	2d8/25 L=40	11,11,11
1039	ok,ok	0.0	0.55	16.6	10.3	0.0	0.07	0.26	0.26	0.38	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.55	16.6	10.3	0.0	0.07	0.32	0.27	0.39	2d8/25 L=40	11,11,11
1026	ok,ok	0.0	0.55	16.6	10.3	0.0	0.07	0.33	0.15	0.21	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.55	16.6	10.3	0.0	0.07	0.36	0.16	0.22	2d8/25 L=40	11,11,11
1054	ok,ok	0.0	0.66	19.7	10.3	0.0	0.11	0.26	0.04	0.02	2d8/25 L=40	11,33,32
	s=13,m=1	40.1	0.55	16.6	10.3	0.0	0.07	0.37	0.04	0.02	2d8/25 L=40	11,33,33
1041	ok,ok	0.0	0.66	19.7	10.3	0.0	0.11	0.27	0.12	0.17	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.55	16.6	10.3	0.0	0.07	0.33	0.11	0.16	2d8/25 L=40	11,11,11
1013	ok,ok	0.0	0.55	16.6	10.3	0.0	0.07	0.35	0.17	0.25	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.55	16.6	10.3	0.0	0.07	0.27	0.17	0.24	2d8/25 L=40	11,11,11
1085	ok,ok	0.0	0.55	16.6	10.3	0.0	0.07	0.29	0.18	0.27	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.45	13.4	10.3	0.0	0.06	0.35	0.17	0.25	2d8/25 L=40	11,11,11
1075	ok,ok	0.0	0.45	13.4	10.3	0.0	0.06	0.36	0.16	0.24	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.45	13.4	10.3	0.0	0.06	0.26	0.15	0.23	2d8/25 L=40	11,11,11
1086	ok,ok	0.0	0.45	13.4	10.3	0.0	0.06	0.28	0.14	0.21	2d8/25 L=40	11,16,11
	s=13,m=1	40.1	0.45	13.4	10.3	0.0	0.06	0.20	0.13	0.19	2d8/25 L=40	11,16,11
1064	ok,ok	0.0	0.45	13.4	10.3	0.0	0.06	0.22	0.13	0.17	2d8/25 L=40	11,16,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.31	0.12	0.16	2d8/25 L=40	11,16,11
1053	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.33	0.12	0.14	2d8/25 L=40	11,16,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.24	0.12	0.13	2d8/25 L=40	11,16,11
1065	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.26	0.12	0.11	2d8/25 L=40	11,16,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.20	0.11	0.10	2d8/25 L=40	11,16,11
1040	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.22	0.11	0.10	2d8/25 L=40	11,16,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.17	0.11	0.09	2d8/25 L=40	11,16,11
1028	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.19	0.11	0.08	2d8/25 L=40	11,16,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.15	0.10	0.07	2d8/25 L=40	11,16,11
998	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.17	0.10	0.08	2d8/25 L=40	11,16,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.14	0.10	0.06	2d8/25 L=40	11,16,9
1027	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.15	0.10	0.07	2d8/25 L=40	11,16,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.12	0.09	0.06	2d8/25 L=40	11,16,9
1015	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.14	0.09	0.07	2d8/25 L=40	11,20,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.11	0.09	0.06	2d8/25 L=40	11,20,9
960	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.12	0.10	0.07	2d8/25 L=40	11,15,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.10	0.09	0.06	2d8/25 L=40	11,15,9
996	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.11	0.10	0.07	2d8/25 L=40	11,15,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.10	0.09	0.06	2d8/25 L=40	11,15,9
980	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.11	0.10	0.08	2d8/25 L=40	11,15,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.09	0.09	0.07	2d8/25 L=40	11,15,9
946	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.10	0.10	0.08	2d8/25 L=40	11,15,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.08	0.10	0.07	2d8/25 L=40	11,15,9
995	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.09	0.11	0.09	2d8/25 L=40	11,15,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.07	0.11	0.08	2d8/25 L=40	11,15,9
978	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.08	0.12	0.10	2d8/25 L=40	11,15,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.06	0.11	0.09	2d8/25 L=40	11,15,9
965	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.08	0.13	0.12	2d8/25 L=40	11,15,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.06	0.13	0.11	2d8/25 L=40	11,15,9
1012	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.07	0.14	0.13	2d8/25 L=40	11,15,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.05	0.14	0.12	2d8/25 L=40	11,15,9
997	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.06	0.16	0.15	2d8/25 L=40	11,15,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.04	0.15	0.14	2d8/25 L=40	11,15,9
982	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.05	0.16	0.16	2d8/25 L=40	11,20,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.03	0.16	0.15	2d8/25 L=40	11,20,9
1014	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.04	0.17	0.17	2d8/25 L=40	11,28,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.02	0.17	0.16	2d8/25 L=40	11,28,9
1000	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.04	0.18	0.19	2d8/25 L=40	11,28,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.01	0.18	0.18	2d8/25 L=40	11,28,9
938	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.03	0.19	0.20	2d8/25 L=40	11,24,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	6.24e-03	0.18	0.19	2d8/25 L=40	32,24,9
1155	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.02	0.18	0.20	2d8/25 L=40	11,28,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	5.03e-03	0.17	0.19	2d8/25 L=40	33,28,9
1148	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.02	0.15	0.19	2d8/25 L=40	11,23,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	6.62e-03	0.15	0.18	2d8/25 L=40	33,23,9
1142	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.01	0.15	0.16	2d8/25 L=40	24,11,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	7.69e-03	0.14	0.15	2d8/25 L=40	25,9,9
1158	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	6.11e-03	0.09	0.04	2d8/25 L=40	17,16,17
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.02	0.09	0.04	2d8/25 L=40	24,16,16
1151	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	6.82e-03	0.06	0.06	2d8/25 L=40	17,16,16
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.02	0.06	0.06	2d8/25 L=40	24,16,16
1137	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	7.25e-03	0.06	0.07	2d8/25 L=40	31,23,16
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.03	0.06	0.07	2d8/25 L=40	11,23,16
1164	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.01	0.07	0.07	2d8/25 L=40	35,23,24
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.04	0.08	0.08	2d8/25 L=40	11,23,24
1157	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.02	0.08	0.08	2d8/25 L=40	11,23,24
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.06	0.09	0.08	2d8/25 L=40	11,23,24
1150	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.04	0.09	0.07	2d8/25 L=40	11,23,23
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.08	0.09	0.08	2d8/25 L=40	11,23,23
1159	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.06	0.06	0.04	2d8/25 L=40	11,30,26
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.10	0.07	0.04	2d8/25 L=40	11,27,23
1144	ok,ok	0.0	0.34	10.3	10.3	0.0	0.05	0.09	0.15	0.17	2d8/25 L=40	11,11,11
	s=13,m=1	40.1	0.34	10.3	10.3	0.0	0.05	0.12	0.14	0.15	2d8/25 L=40	11,11,11
1132	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.23	0.41	0.61	2d8/25 L=40	23,11,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.03	0.34	0.43	2d8/25 L=40	26,27,9
1125	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.11	0.24	0.39	2d8/25 L=40	11,11,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.15	0.22	2d8/25 L=40	26,23,9
1118	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.05	0.21	0.28	2d8/25 L=40	11,11,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.11	0.11	2d8/25 L=40	11,9,9
1111	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.04	0.14	0.08	2d8/25 L=40	25,25,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.03	0.18	0.11	2d8/25 L=40	16,26,3
1103	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.08	0.11	2d8/25 L=40	16,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.07	0.09	2d8/25 L=40	26,4,3
1094	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.41e-03	0.09	0.12	2d8/25 L=40	33,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.07	0.08	2d8/25 L=40	26,26,3

1083	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.29e-03	0.09	0.12	2d8/25 L=40	23,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.07	0.08	2d8/25 L=40	25,26,3
1073	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.19e-03	0.09	0.12	2d8/25 L=40	23,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.28e-03	0.07	0.08	2d8/25 L=40	25,26,3
1062	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.78e-03	0.08	0.12	2d8/25 L=40	23,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.14e-03	0.07	0.08	2d8/25 L=40	25,30,3
1050	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.20e-03	0.08	0.12	2d8/25 L=40	23,4,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.35e-03	0.08	0.08	2d8/25 L=40	4,30,3
1037	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.51e-03	0.09	0.11	2d8/25 L=40	27,30,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.03e-03	0.08	0.09	2d8/25 L=40	46,30,3
1024	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.37e-03	0.09	0.11	2d8/25 L=40	41,30,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	5.60e-03	0.09	0.09	2d8/25 L=40	30,30,3
1010	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.24e-03	0.09	0.11	2d8/25 L=40	35,26,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	5.94e-03	0.09	0.09	2d8/25 L=40	30,30,3
993	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.57e-03	0.09	0.11	2d8/25 L=40	43,26,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.96e-03	0.09	0.09	2d8/25 L=40	46,26,3
976	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.09	0.11	2d8/25 L=40	43,25,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.09	0.09	2d8/25 L=40	30,25,3
962	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.10	2d8/25 L=40	27,41,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.11	0.10	2d8/25 L=40	25,45,3
952	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.12	0.09	2d8/25 L=40	27,27,24
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.05	0.15	0.13	2d8/25 L=40	25,45,4
							M_T= 29	**Z=380.0**	**N=15**	**N=17**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
925	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.09	0.30	0.11	2d8/25 L=40	41,40,40
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.29	0.10	2d8/25 L=40	39,40,41
930	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.03	0.26	0.04	2d8/25 L=40	40,40,40
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.16e-03	0.26	0.04	2d8/25 L=40	39,40,41
939	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.65e-03	0.20	0.02	2d8/25 L=40	40,40,40
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.51e-03	0.19	0.02	2d8/25 L=40	42,40,41
953	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.10e-03	0.15	0.01	2d8/25 L=40	41,20,44
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.22e-03	0.15	8.48e-03	2d8/25 L=40	42,20,45
969	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.03e-03	0.14	7.35e-03	2d8/25 L=40	45,20,44
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.63e-03	0.14	7.26e-03	2d8/25 L=40	44,20,45
986	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.69e-03	0.12	5.20e-03	2d8/25 L=40	39,16,44
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.93e-03	0.12	7.88e-03	2d8/25 L=40	9,16,45
1003	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.96e-03	0.11	5.87e-03	2d8/25 L=40	42,15,44
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.44e-03	0.11	7.51e-03	2d8/25 L=40	9,15,45
1018	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.01	2d8/25 L=40	11,15,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.87e-03	0.10	4.43e-03	2d8/25 L=40	11,15,45
1031	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.71e-03	0.09	0.02	2d8/25 L=40	40,15,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.26e-03	0.09	0.01	2d8/25 L=40	36,15,11
1044	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.90e-03	0.08	0.02	2d8/25 L=40	41,19,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.08	0.01	2d8/25 L=40	11,19,11
1056	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.99e-03	0.08	0.02	2d8/25 L=40	41,19,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.08	0.01	2d8/25 L=40	11,19,11
1067	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.02	2d8/25 L=40	9,19,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.09	9.60e-03	2d8/25 L=40	11,19,11
1077	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.11	0.02	2d8/25 L=40	11,19,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.11	7.92e-03	2d8/25 L=40	11,19,11
1088	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.13	0.01	2d8/25 L=40	11,19,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.13	6.65e-03	2d8/25 L=40	11,19,45
1097	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.95e-03	0.16	0.02	2d8/25 L=40	11,15,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.90e-03	0.15	6.01e-03	2d8/25 L=40	11,15,9
1106	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.72e-03	0.19	0.02	2d8/25 L=40	11,15,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.18	0.01	2d8/25 L=40	11,15,9
1113	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.85e-03	0.22	0.02	2d8/25 L=40	11,15,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.22	0.01	2d8/25 L=40	9,15,9
1120	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.26	0.02	2d8/25 L=40	11,15,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.08e-03	0.26	0.03	2d8/25 L=40	36,15,11
1127	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.28	0.05	2d8/25 L=40	9,18,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.29	0.06	2d8/25 L=40	9,18,9
1134	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.44e-03	0.27	0.01	2d8/25 L=40	36,18,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.27	0.02	2d8/25 L=40	9,18,11
1139	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.23	0.01	2d8/25 L=40	9,18,17
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.35e-03	0.22	4.55e-03	2d8/25 L=40	9,34,16
1145	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.18	0.01	2d8/25 L=40	9,31,37
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.55e-03	0.18	6.72e-03	2d8/25 L=40	36,34,37
1152	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.57e-03	0.15	0.01	2d8/25 L=40	9,31,37
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.79e-03	0.15	8.65e-03	2d8/25 L=40	34,34,36
1160	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.44e-03	0.12	0.01	2d8/25 L=40	25,35,37
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.23e-03	0.12	0.01	2d8/25 L=40	34,38,36
1165	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.15e-03	0.09	8.84e-03	2d8/25 L=40	25,35,37
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.00e-03	0.09	0.01	2d8/25 L=40	34,38,36
1169	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.35e-03	0.06	7.11e-03	2d8/25 L=40	25,26,37
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.15e-03	0.06	0.01	2d8/25 L=40	34,38,36
1173	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.96e-03	0.04	6.09e-03	2d8/25 L=40	25,23,36
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.73e-03	0.04	0.01	2d8/25 L=40	34,23,11
1177	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.94e-03	0.04	7.88e-03	2d8/25 L=40	37,16,36
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.32e-03	0.04	0.02	2d8/25 L=40	9,16,11
1181	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.20e-03	0.07	0.01	2d8/25 L=40	37,16,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.07	0.02	2d8/25 L=40	9,16,11
1185	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.07e-03	0.11	0.02	2d8/25 L=40	9,17,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.11	0.03	2d8/25 L=40	9,17,11
1189	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.40e-03	0.15	8.84e-03	2d8/25 L=40	9,17,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	9.77e-03	0.16	0.02	2d8/25 L=40	9,17,11
1193	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.36e-03	0.21	0.03	2d8/25 L=40	9,32,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.20	0.02	2d8/25 L=40	36,32,11
1197	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.00e-03	0.19	0.11	2d8/25 L=40	9,17,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.05	0.19	0.10	2d8/25 L=40	11,17,9
1201	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.08	0.05	2d8/25 L=40	36,17,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.04	0.07	0.04	2d8/25 L=40	9,17,9
1205	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.04	0.12	0.05	2d8/25 L=40	11,36,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.12	0.06	2d8/25 L=40	37,36,11
1209	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.05	0.22	0.09	2d8/25 L=40	9,37,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.93e-03	0.23	0.10	2d8/25 L=40	9,37,9
1213	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.23	0.02	2d8/25 L=40	37,37,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.07e-03	0.24	0.03	2d8/25 L=40	9,37,9
1217	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.36e-03	0.17	0.02	2d8/25 L=40	9,37,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.92e-03	0.17	5.37e-03	2d8/25 L=40	9,37,9
1221	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.12	0.02	2d8/25 L=40	9,37,9

	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	5.61e-03	0.12	0.01	2d8/25 L=40	9,37,9
1225	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.69e-03	0.08	0.02	2d8/25 L=40	9,37,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.76e-03	0.08	7.58e-03	2d8/25 L=40	34,37,37
1229	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.13e-03	0.05	0.01	2d8/25 L=40	9,25,37
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.49e-03	0.04	6.29e-03	2d8/25 L=40	34,25,36
1233	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.02e-03	0.03	0.01	2d8/25 L=40	37,15,37
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.44e-03	0.03	8.22e-03	2d8/25 L=40	34,15,36
1237	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.30e-03	0.06	9.40e-03	2d8/25 L=40	37,15,37
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.67e-03	0.06	9.93e-03	2d8/25 L=40	34,18,36
1241	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.93e-03	0.09	8.05e-03	2d8/25 L=40	37,31,31
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	5.23e-03	0.10	0.01	2d8/25 L=40	34,34,34
1245	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.85e-03	0.13	6.80e-03	2d8/25 L=40	37,34,31
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.09e-03	0.13	0.01	2d8/25 L=40	34,34,34
1249	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.96e-03	0.17	7.85e-03	2d8/25 L=40	37,34,34
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	7.07e-03	0.17	0.02	2d8/25 L=40	34,34,34
1253	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.10e-03	0.21	8.66e-03	2d8/25 L=40	37,34,34
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.27e-03	0.21	0.02	2d8/25 L=40	9,34,9
1257	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.86e-03	0.25	4.48e-03	2d8/25 L=40	37,34,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	6.85e-03	0.26	0.01	2d8/25 L=40	9,34,9
1261	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.31e-03	0.31	0.02	2d8/25 L=40	9,34,36
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.30	0.01	2d8/25 L=40	36,34,36
1265	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.43e-03	0.30	0.05	2d8/25 L=40	9,34,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.02	0.29	0.04	2d8/25 L=40	11,34,11
1269	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.23	0.02	2d8/25 L=40	36,34,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.01	0.22	9.01e-03	2d8/25 L=40	11,34,9
1273	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.16	0.01	2d8/25 L=40	9,34,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.44e-03	0.16	0.02	2d8/25 L=40	11,34,9
1277	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.10	0.01	2d8/25 L=40	9,34,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	4.94e-03	0.11	0.02	2d8/25 L=40	11,34,9
1280	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.92e-03	0.07	8.60e-03	2d8/25 L=40	9,18,9
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.64e-03	0.07	0.02	2d8/25 L=40	36,18,9
1283	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.01e-03	0.05	5.39e-03	2d8/25 L=40	11,18,37
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.13e-03	0.06	0.02	2d8/25 L=40	36,18,9
1286	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.33e-03	0.05	5.37e-03	2d8/25 L=40	31,18,36
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.70e-03	0.05	0.01	2d8/25 L=40	36,18,9
1289	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.27e-03	0.04	5.96e-03	2d8/25 L=40	31,18,36
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.39e-03	0.04	8.96e-03	2d8/25 L=40	36,18,37
1292	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.43e-03	0.05	6.39e-03	2d8/25 L=40	31,16,36
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.18e-03	0.05	7.19e-03	2d8/25 L=40	36,17,37
1295	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.81e-03	0.05	6.72e-03	2d8/25 L=40	31,17,34
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.06e-03	0.05	5.76e-03	2d8/25 L=40	36,17,31
1298	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.42e-03	0.06	7.96e-03	2d8/25 L=40	15,16,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.01e-03	0.06	4.69e-03	2d8/25 L=40	36,16,31
1301	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.26e-03	0.07	9.22e-03	2d8/25 L=40	15,24,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.00e-03	0.06	3.89e-03	2d8/25 L=40	36,24,31
1303	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.20e-03	0.07	0.01	2d8/25 L=40	23,24,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.00e-03	0.07	3.34e-03	2d8/25 L=40	36,24,31
1304	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.19e-03	0.08	0.01	2d8/25 L=40	23,28,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.18e-03	0.08	3.02e-03	2d8/25 L=40	11,28,31
1305	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.23e-03	0.08	0.01	2d8/25 L=40	23,28,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.28e-03	0.08	2.90e-03	2d8/25 L=40	11,28,31
1306	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.28e-03	0.09	9.37e-03	2d8/25 L=40	24,28,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.27e-03	0.08	2.96e-03	2d8/25 L=40	11,28,31
1307	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.37e-03	0.09	8.32e-03	2d8/25 L=40	24,44,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.15e-03	0.09	3.30e-03	2d8/25 L=40	11,44,1
1308	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.44e-03	0.10	7.11e-03	2d8/25 L=40	24,44,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.95e-03	0.09	3.81e-03	2d8/25 L=40	11,44,1
1309	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.50e-03	0.10	5.97e-03	2d8/25 L=40	24,40,11
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.74e-03	0.10	4.30e-03	2d8/25 L=40	24,40,1
1310	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.55e-03	0.10	5.56e-03	2d8/25 L=40	11,40,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.65e-03	0.10	5.17e-03	2d8/25 L=40	24,40,9
1311	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.52e-03	0.10	5.31e-03	2d8/25 L=40	11,40,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.58e-03	0.10	5.72e-03	2d8/25 L=40	28,40,9
1312	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.46e-03	0.10	5.19e-03	2d8/25 L=40	24,44,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.53e-03	0.10	5.93e-03	2d8/25 L=40	44,44,9
1313	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.39e-03	0.10	5.19e-03	2d8/25 L=40	24,44,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.55e-03	0.10	5.86e-03	2d8/25 L=40	44,44,9
1314	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.31e-03	0.09	5.25e-03	2d8/25 L=40	24,44,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.60e-03	0.09	5.62e-03	2d8/25 L=40	44,44,9
1315	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.21e-03	0.09	5.35e-03	2d8/25 L=40	24,28,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.67e-03	0.09	5.30e-03	2d8/25 L=40	44,28,9
1316	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.11e-03	0.09	5.44e-03	2d8/25 L=40	24,24,3
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.76e-03	0.09	4.99e-03	2d8/25 L=40	44,24,9
1317	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.00e-03	0.10	5.51e-03	2d8/25 L=40	24,24,4
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.86e-03	0.10	4.81e-03	2d8/25 L=40	44,24,41
1318	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.98e-04	0.10	5.69e-03	2d8/25 L=40	24,23,40
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	1.96e-03	0.10	5.06e-03	2d8/25 L=40	44,23,41
1319	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.67e-04	0.11	6.09e-03	2d8/25 L=40	35,23,40
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.11e-03	0.11	5.48e-03	2d8/25 L=40	44,23,41
1320	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.11e-03	0.12	6.86e-03	2d8/25 L=40	43,43,40
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	2.50e-03	0.12	6.37e-03	2d8/25 L=40	44,43,41
1321	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.76e-03	0.15	8.87e-03	2d8/25 L=40	43,43,40
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	3.78e-03	0.16	8.75e-03	2d8/25 L=40	40,43,41
1322	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.21e-03	0.19	0.01	2d8/25 L=40	41,43,46
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	8.53e-03	0.20	0.02	2d8/25 L=40	46,43,43
1323	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.53e-03	0.25	0.04	2d8/25 L=40	41,43,46
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.03	0.26	0.04	2d8/25 L=40	43,43,43
1324	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.29	0.10	2d8/25 L=40	40,43,43
	s=12,m=1	40.1	0.45	4.0	4.0	0.0	0.13	0.08	0.29	0.10	2d8/25 L=40	46,43,43
							M_T= 30	**Z=380.0**	**N=15**	**N=16**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
926	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	0.07	0.34	0.72	2d8/25 L=41	40,43,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	0.01	0.33	0.72	2d8/25 L=41	39,43,40
1302	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	0.02	0.30	0.72	2d8/25 L=41	40,31,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	7.98e-03	0.30	0.72	2d8/25 L=41	39,31,40
1300	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	9.49e-03	0.30	0.71	2d8/25 L=41	20,40,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	4.34e-03	0.30	0.72	2d8/25 L=41	11,40,40
1297	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.10e-03	0.31	0.73	2d8/25 L=41	40,40,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.74e-03	0.31	0.75	2d8/25 L=41	17,40,40
1294	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.18e-03	0.33	0.78	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.63e-03	0.33	0.78	2d8/25 L=41	11,40,40

1291	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.42e-03	0.33	0.79	2d8/25 L=41	21,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	4.26e-03	0.33	0.78	2d8/25 L=41	20,40,40
1288	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	6.00e-03	0.33	0.78	2d8/25 L=41	20,40,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.07e-03	0.33	0.78	2d8/25 L=41	9,40,40
1285	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.24e-03	0.32	0.76	2d8/25 L=41	20,40,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.98e-03	0.32	0.78	2d8/25 L=41	17,40,40
1282	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	1.19e-03	0.32	0.76	2d8/25 L=41	21,40,41
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.15e-03	0.32	0.77	2d8/25 L=41	32,40,40
1279	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.46e-03	0.31	0.75	2d8/25 L=41	22,46,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.76e-03	0.32	0.75	2d8/25 L=41	18,46,42
1275	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.61e-03	0.30	0.72	2d8/25 L=41	20,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	4.51e-03	0.30	0.72	2d8/25 L=41	20,42,42
1271	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.15e-03	0.29	0.69	2d8/25 L=41	20,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.86e-03	0.29	0.69	2d8/25 L=41	9,42,42
1267	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.74e-03	0.29	0.68	2d8/25 L=41	21,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.88e-03	0.29	0.68	2d8/25 L=41	21,42,42
1263	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	5.40e-03	0.29	0.68	2d8/25 L=41	21,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.98e-03	0.29	0.68	2d8/25 L=41	20,42,42
1259	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	4.96e-03	0.29	0.67	2d8/25 L=41	20,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.94e-03	0.29	0.67	2d8/25 L=41	20,42,42
1255	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.71e-03	0.28	0.65	2d8/25 L=41	20,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.34e-03	0.28	0.66	2d8/25 L=41	40,42,42
1251	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.41e-03	0.27	0.62	2d8/25 L=41	20,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.40e-03	0.27	0.63	2d8/25 L=41	22,42,42
1247	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	1.77e-03	0.25	0.59	2d8/25 L=41	20,42,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.78e-03	0.25	0.59	2d8/25 L=41	22,42,42
1243	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	1.59e-03	0.30	0.55	2d8/25 L=41	20,31,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.91e-03	0.30	0.55	2d8/25 L=41	22,31,42
1239	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	1.60e-03	0.30	0.51	2d8/25 L=41	20,45,39
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.88e-03	0.30	0.51	2d8/25 L=41	18,45,42
1235	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.74e-03	0.28	7.05e-03	2d8/25 L=41	21,42,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.81e-03	0.28	7.70e-03	2d8/25 L=41	15,42,17
1231	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.85e-03	0.25	7.08e-03	2d8/25 L=41	21,42,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.79e-03	0.25	7.65e-03	2d8/25 L=41	15,42,17
1227	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.90e-03	0.22	7.07e-03	2d8/25 L=41	21,42,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.73e-03	0.22	7.53e-03	2d8/25 L=41	15,42,17
1223	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.91e-03	0.19	7.04e-03	2d8/25 L=41	21,42,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.66e-03	0.19	7.37e-03	2d8/25 L=41	15,42,17
1219	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.90e-03	0.17	7.00e-03	2d8/25 L=41	21,34,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.58e-03	0.17	7.20e-03	2d8/25 L=41	19,34,17
1215	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.89e-03	0.14	6.96e-03	2d8/25 L=41	21,34,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.50e-03	0.15	7.04e-03	2d8/25 L=41	19,34,17
1211	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.88e-03	0.12	6.91e-03	2d8/25 L=41	21,34,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.42e-03	0.13	6.91e-03	2d8/25 L=41	19,34,17
1207	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.88e-03	0.11	6.86e-03	2d8/25 L=41	21,34,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.34e-03	0.11	6.81e-03	2d8/25 L=41	19,34,17
1203	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.89e-03	0.10	6.78e-03	2d8/25 L=41	21,34,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.26e-03	0.10	6.76e-03	2d8/25 L=41	19,34,17
1199	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.91e-03	0.10	6.70e-03	2d8/25 L=41	21,34,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.17e-03	0.10	6.73e-03	2d8/25 L=41	19,34,17
1195	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.94e-03	0.10	6.61e-03	2d8/25 L=41	21,33,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	1.07e-03	0.11	6.72e-03	2d8/25 L=41	19,33,17
1191	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	1.98e-03	0.14	6.52e-03	2d8/25 L=41	21,41,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	9.76e-04	0.14	6.73e-03	2d8/25 L=41	19,41,17
1187	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.02e-03	0.17	6.46e-03	2d8/25 L=41	21,41,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	8.84e-04	0.17	6.74e-03	2d8/25 L=41	19,41,17
1183	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.07e-03	0.21	6.42e-03	2d8/25 L=41	21,41,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	7.99e-04	0.21	6.77e-03	2d8/25 L=41	19,41,17
1179	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.13e-03	0.24	6.40e-03	2d8/25 L=41	21,41,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	7.24e-04	0.24	6.80e-03	2d8/25 L=41	19,41,17
1175	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.20e-03	0.27	6.40e-03	2d8/25 L=41	21,41,16
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	6.58e-04	0.27	6.85e-03	2d8/25 L=41	19,41,17
1171	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.28e-03	0.29	6.41e-03	2d8/25 L=41	17,40,15
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	5.98e-04	0.29	6.92e-03	2d8/25 L=41	19,41,18
1167	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.37e-03	0.29	0.52	2d8/25 L=41	17,43,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	5.74e-04	0.29	0.52	2d8/25 L=41	39,43,41
1162	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.46e-03	0.27	0.55	2d8/25 L=41	17,33,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	5.54e-04	0.28	0.55	2d8/25 L=41	39,33,41
1154	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.55e-03	0.29	0.58	2d8/25 L=41	17,32,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	5.45e-04	0.30	0.58	2d8/25 L=41	42,33,41
1147	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.65e-03	0.30	0.61	2d8/25 L=41	17,35,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	5.67e-04	0.30	0.61	2d8/25 L=41	42,38,41
1141	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.75e-03	0.27	0.63	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	5.93e-04	0.27	0.63	2d8/25 L=41	42,41,41
1136	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.87e-03	0.27	0.65	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	6.22e-04	0.28	0.65	2d8/25 L=41	42,41,41
1131	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.01e-03	0.28	0.67	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	6.54e-04	0.28	0.67	2d8/25 L=41	42,40,41
1124	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.17e-03	0.29	0.68	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	6.94e-04	0.29	0.68	2d8/25 L=41	46,40,41
1117	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.34e-03	0.29	0.70	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	7.36e-04	0.30	0.70	2d8/25 L=41	46,40,41
1110	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.51e-03	0.30	0.71	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	7.81e-04	0.30	0.71	2d8/25 L=41	46,40,41
1101	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.68e-03	0.31	0.72	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	8.74e-04	0.31	0.72	2d8/25 L=41	28,40,40
1092	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.84e-03	0.31	0.73	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.08e-03	0.31	0.73	2d8/25 L=41	28,40,40
1081	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.94e-03	0.31	0.73	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.36e-03	0.31	0.73	2d8/25 L=41	28,40,40
1071	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.96e-03	0.31	0.73	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	1.77e-03	0.31	0.73	2d8/25 L=41	20,40,40
1060	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.81e-03	0.30	0.71	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.16e-03	0.30	0.71	2d8/25 L=41	20,40,40
1048	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.39e-03	0.28	0.69	2d8/25 L=41	16,40,40
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.37e-03	0.28	0.69	2d8/25 L=41	24,40,40
1035	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.48e-03	0.27	0.65	2d8/25 L=41	16,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	2.60e-03	0.27	0.65	2d8/25 L=41	4,42,42
1022	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	2.47e-03	0.25	0.60	2d8/25 L=41	4,42,42
	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.87e-03	0.25	0.60	2d8/25 L=41	18,42,42
1007	ok,ok	0.0	0.45	4.0	4.0	4.0	0.13	3.61e-03	0.29	0.54	2d8/25 L=41	22,36,42

	s=12,m=1	41.5	0.45	4.0	4.0	4.0	0.13	3.41e-03	0.28	0.54	2d8/25 L=41	15,36,42
990	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	2.08e-03	0.29	9.03e-03	2d8/25 L=41	19,42,4
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	4.28e-03	0.28	4.58e-03	2d8/25 L=41	16,42,43
973	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.87e-03	0.25	9.55e-03	2d8/25 L=41	21,42,4
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	7.84e-03	0.25	5.56e-03	2d8/25 L=41	22,42,43
958	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.21	0.01	2d8/25 L=41	17,42,46
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	0.01	0.21	8.39e-03	2d8/25 L=41	18,42,43
944	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.17	0.03	2d8/25 L=41	17,42,22
	s=12,m=1	41.5	0.45	4.0	4.0	0.0	0.13	0.04	0.17	0.02	2d8/25 L=41	18,42,19
935	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.14	0.01	2d8/25 L=47	33,42,42
	s=12,m=1	46.7	0.45	4.0	4.0	0.0	0.13	0.01	0.14	0.02	2d8/25 L=47	18,39,39
949	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.28e-03	0.08	0.01	2d8/25 L=47	44,39,46
	s=12,m=1	46.7	0.45	4.0	4.0	0.0	0.13	7.32e-03	0.09	0.01	2d8/25 L=47	46,39,43
967	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.70e-03	0.04	0.01	2d8/25 L=47	42,43,46
	s=12,m=1	46.7	0.45	4.0	4.0	0.0	0.13	0.01	0.04	0.01	2d8/25 L=47	40,43,43
984	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	6.10e-03	0.01	0.01	2d8/25 L=40	42,31,22
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.01	0.02	0.01	2d8/25 L=40	26,31,19
1002	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.26e-03	0.01	0.02	2d8/25 L=40	31,31,15
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.01	0.02	0.02	2d8/25 L=40	18,31,15
1017	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.77e-03	0.02	0.01	2d8/25 L=40	24,39,15
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.01	0.03	0.02	2d8/25 L=40	16,39,11
1030	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.02	5.29e-03	2d8/25 L=40	23,42,23
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	6.65e-03	0.03	0.01	2d8/25 L=40	16,42,11
1043	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.03	0.02	2d8/25 L=40	23,42,23
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	6.65e-03	0.03	9.46e-03	2d8/25 L=40	17,42,23
1055	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	4.82e-03	0.03	0.02	2d8/25 L=40	4,42,3
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	5.65e-03	0.03	8.47e-03	2d8/25 L=40	17,42,17
1066	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.14e-03	0.02	0.01	2d8/25 L=40	16,46,25
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	5.98e-03	0.02	9.60e-03	2d8/25 L=40	16,44,24
1076	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	8.63e-03	0.03	0.02	2d8/25 L=40	26,36,24
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.02	0.03	0.03	2d8/25 L=40	24,36,24
1087	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.01	0.02	0.02	2d8/25 L=40	18,36,24
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.01	0.03	0.02	2d8/25 L=40	24,36,24
1096	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	0.02	0.02	0.01	2d8/25 L=40	3,42,18
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	6.20e-03	0.02	0.01	2d8/25 L=40	24,40,15
1105	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	9.54e-03	0.02	0.02	2d8/25 L=40	3,44,18
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	8.73e-03	0.02	0.01	2d8/25 L=40	18,44,18
931	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	3.01e-03	0.03	0.02	2d8/25 L=40	22,17,18
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.01	0.03	0.01	2d8/25 L=40	18,17,18
940	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	5.55e-03	0.05	0.02	2d8/25 L=40	24,17,17
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.02	0.05	0.02	2d8/25 L=40	18,17,17
954	ok,ok	0.0	0.45	4.0	4.0	0.0	0.13	7.92e-03	0.07	0.03	2d8/25 L=40	24,17,17
	s=12,m=1	40.0	0.45	4.0	4.0	0.0	0.13	0.02	0.06	0.02	2d8/25 L=40	18,17,17
							M_T= 19	**Z=786.3**	**N=4939**	**N=5775**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
485	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.12	0.27	0.90	2d8/25 L=41	39,38,42
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.02	0.26	0.92	2d8/25 L=41	43,38,39
896	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.05	0.27	0.95	2d8/25 L=41	39,42,42
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.03e-03	0.27	0.95	2d8/25 L=41	35,39,39
893	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.30	0.81	2d8/20 L=41	41,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.36e-03	0.30	0.80	2d8/20 L=41	44,41,41
890	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	1.85e-03	0.32	0.85	2d8/20 L=41	41,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.25e-03	0.32	0.85	2d8/20 L=41	44,41,41
887	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	1.89e-03	0.34	0.89	2d8/20 L=41	42,41,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.39e-03	0.34	0.89	2d8/20 L=41	27,40,40
884	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.13e-03	0.35	0.92	2d8/20 L=41	39,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.35e-03	0.35	0.92	2d8/20 L=41	23,40,40
881	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.46e-03	0.36	0.94	2d8/20 L=41	11,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.30e-03	0.36	0.94	2d8/20 L=41	26,40,40
878	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	3.57e-03	0.36	0.94	2d8/20 L=41	11,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	2.64e-03	0.36	0.93	2d8/20 L=41	26,40,40
875	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.29e-03	0.35	0.92	2d8/20 L=41	11,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.62e-03	0.34	0.91	2d8/20 L=41	9,40,40
871	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	8.89e-03	0.33	0.89	2d8/20 L=41	9,41,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.02	0.32	0.88	2d8/20 L=41	9,41,40
867	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.29	0.93	2d8/25 L=41	11,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.93	2d8/25 L=41	11,39,39
863	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.93	2d8/25 L=41	9,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.05e-03	0.29	0.93	2d8/25 L=41	23,39,42
859	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	4.00e-03	0.29	0.94	2d8/25 L=41	11,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.05e-03	0.29	0.92	2d8/25 L=41	11,39,42
855	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	6.05e-03	0.29	0.93	2d8/25 L=41	11,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.89e-03	0.29	0.92	2d8/25 L=41	11,42,42
851	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	6.60e-03	0.29	0.92	2d8/25 L=41	27,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.93e-03	0.29	0.91	2d8/25 L=41	11,42,42
847	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	6.80e-03	0.28	0.90	2d8/25 L=41	27,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.58e-03	0.28	0.89	2d8/25 L=41	11,42,42
843	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	6.83e-03	0.27	0.88	2d8/25 L=41	27,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	5.46e-03	0.27	0.87	2d8/25 L=41	11,42,42
839	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	6.55e-03	0.26	0.84	2d8/25 L=41	27,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.46e-03	0.26	0.84	2d8/25 L=41	11,42,42
835	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	3.88e-03	0.24	0.79	2d8/25 L=41	23,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	5.69e-03	0.24	0.78	2d8/25 L=41	12,39,39
831	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	6.39e-03	0.22	0.74	2d8/25 L=41	9,39,42
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.01	0.22	0.73	2d8/25 L=41	9,39,39
827	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.24	0.55	2d8/25 L=41	9,45,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	7.83e-03	0.24	0.56	2d8/25 L=41	9,45,42
823	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.71e-03	0.23	7.32e-03	2d8/25 L=41	9,39,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	3.51e-03	0.23	0.01	2d8/25 L=41	29,42,9
819	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.47e-03	0.21	8.20e-03	2d8/25 L=41	11,39,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	5.17e-03	0.21	7.55e-03	2d8/25 L=41	11,42,26
815	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.82e-03	0.19	9.42e-03	2d8/25 L=41	11,39,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.83e-03	0.19	8.33e-03	2d8/25 L=41	11,42,26
811	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.82e-03	0.17	9.57e-03	2d8/25 L=41	23,31,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.69e-03	0.17	9.17e-03	2d8/25 L=41	11,34,26
807	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.85e-03	0.16	9.38e-03	2d8/25 L=41	23,31,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	5.13e-03	0.16	9.86e-03	2d8/25 L=41	11,34,26
803	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.88e-03	0.14	9.10e-03	2d8/25 L=41	23,31,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	5.77e-03	0.14	0.01	2d8/25 L=41	11,34,26
799	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.65e-03	0.12	9.03e-03	2d8/25 L=41	23,31,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.27e-03	0.12	9.59e-03	2d8/25 L=41	11,34,26

795	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.57e-03	0.11	0.01	2d8/25 L=41	11,34,9
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	7.59e-03	0.11	4.60e-03	2d8/25 L=41	9,31,12
791	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	8.86e-03	0.09	0.01	2d8/25 L=41	9,34,9
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	0.02	0.09	5.45e-03	2d8/25 L=41	9,31,27
787	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.13	7.83e-03	2d8/25 L=41	9,40,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	8.11e-03	0.13	0.01	2d8/25 L=41	9,40,9
783	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.33e-03	0.17	9.37e-03	2d8/25 L=41	9,40,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	5.13e-03	0.17	0.02	2d8/25 L=41	26,40,9
779	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.97e-03	0.21	9.49e-03	2d8/25 L=41	23,40,24
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.95e-03	0.21	9.93e-03	2d8/25 L=41	11,41,25
775	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.46e-03	0.23	0.01	2d8/25 L=41	23,40,23
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.56e-03	0.24	0.01	2d8/25 L=41	11,41,26
771	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	8.18e-03	0.22	0.58	2d8/25 L=41	23,43,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.40e-03	0.22	0.58	2d8/25 L=41	11,46,41
767	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	8.46e-03	0.24	0.61	2d8/25 L=41	23,39,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.84e-03	0.24	0.62	2d8/25 L=41	11,46,41
763	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	8.58e-03	0.22	0.65	2d8/25 L=41	23,33,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	5.48e-03	0.22	0.65	2d8/25 L=41	11,33,41
758	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	8.19e-03	0.23	0.67	2d8/25 L=41	23,33,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.07e-03	0.23	0.67	2d8/25 L=41	11,33,41
750	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.32e-03	0.24	0.69	2d8/25 L=41	11,33,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	7.73e-03	0.24	0.69	2d8/25 L=41	9,33,41
743	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	8.96e-03	0.23	0.71	2d8/25 L=41	9,35,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.02	0.23	0.71	2d8/25 L=41	9,35,41
737	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.25	0.83	2d8/25 L=41	9,41,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	6.70e-03	0.25	0.84	2d8/25 L=41	9,41,41
732	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	6.34e-03	0.27	0.86	2d8/25 L=41	12,41,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	6.09e-03	0.27	0.87	2d8/25 L=41	25,41,41
725	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	6.67e-03	0.28	0.90	2d8/25 L=41	23,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	5.50e-03	0.28	0.90	2d8/25 L=41	11,41,41
718	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	9.65e-03	0.29	0.91	2d8/25 L=41	23,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	5.32e-03	0.29	0.92	2d8/25 L=41	11,41,41
711	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.92	2d8/25 L=41	23,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	5.45e-03	0.29	0.93	2d8/25 L=41	11,41,41
704	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.92	2d8/25 L=41	23,41,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	6.19e-03	0.29	0.93	2d8/25 L=41	11,41,41
695	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.91	2d8/25 L=41	23,41,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	7.08e-03	0.29	0.93	2d8/25 L=41	11,41,41
686	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	9.53e-03	0.29	0.90	2d8/25 L=41	23,41,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	5.43e-03	0.29	0.92	2d8/25 L=41	11,41,41
675	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.83e-03	0.28	0.89	2d8/25 L=41	11,41,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.01	0.28	0.90	2d8/25 L=41	9,41,41
665	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.28	0.89	2d8/25 L=41	9,41,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.02	0.28	0.88	2d8/25 L=41	9,41,41
653	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.32	0.86	2d8/20 L=41	9,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.86e-03	0.32	0.86	2d8/20 L=41	28,39,39
639	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	7.34e-03	0.33	0.87	2d8/20 L=41	12,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.01	0.33	0.88	2d8/20 L=41	24,39,39
624	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	8.98e-03	0.33	0.86	2d8/20 L=41	23,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.67e-03	0.33	0.88	2d8/20 L=41	25,39,39
609	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.32	0.84	2d8/20 L=41	27,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.55e-03	0.32	0.85	2d8/20 L=41	28,39,39
592	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.30	0.80	2d8/20 L=41	24,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.95e-03	0.30	0.81	2d8/20 L=41	28,39,39
571	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.27	0.92	2d8/25 L=41	24,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	7.61e-03	0.28	0.94	2d8/25 L=41	28,39,39
550	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.24	0.82	2d8/25 L=41	24,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.21e-03	0.24	0.83	2d8/25 L=41	28,39,39
530	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.03	0.19	0.68	2d8/25 L=41	24,41,33
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	7.62e-03	0.20	0.70	2d8/25 L=41	24,41,33
512	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.21	0.01	2d8/25 L=41	24,41,43
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	0.03	0.21	0.02	2d8/25 L=41	28,41,46
499	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.15	0.03	2d8/25 L=41	28,41,25
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	0.06	0.15	0.03	2d8/25 L=41	28,41,24
492	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.06	0.17	0.02	2d8/25 L=47	27,41,43
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.05	0.16	0.02	2d8/25 L=47	27,40,46
535	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.02	2d8/25 L=47	19,41,37
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.03	0.08	0.02	2d8/25 L=47	24,40,36
517	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.03	2d8/25 L=47	24,45,25
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.02	2d8/25 L=47	24,45,24
505	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.03	2d8/25 L=40	24,45,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	6.49e-03	0.04	0.03	2d8/25 L=40	21,37,25
699	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.04	2d8/25 L=40	24,45,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	5.69e-03	0.05	0.03	2d8/25 L=40	9,45,25
690	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.04	0.04	2d8/25 L=40	24,37,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	6.29e-03	0.04	0.03	2d8/25 L=40	25,37,25
679	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.04	2d8/25 L=40	24,37,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.03	0.03	2d8/25 L=40	24,37,25
669	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.59e-03	0.03	0.03	2d8/25 L=40	17,37,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.03	0.02	0.03	2d8/25 L=40	24,27,25
657	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	0.03	2d8/25 L=40	19,25,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.04	0.03	0.03	2d8/25 L=40	23,27,24
643	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.03	2d8/25 L=40	19,25,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.05	0.03	0.03	2d8/25 L=40	27,27,24
628	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.02	0.03	2d8/25 L=40	15,25,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.05	0.03	0.03	2d8/25 L=40	23,27,24
613	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.03	0.03	2d8/25 L=40	3,25,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.04	0.02	0.03	2d8/25 L=40	23,24,24
597	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.03	0.03	2d8/25 L=40	25,30,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.03	2d8/25 L=40	23,24,24
576	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.03	0.03	2d8/25 L=40	24,30,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	0.03	2d8/25 L=40	25,24,24
555	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.03	0.03	2d8/25 L=40	23,30,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	7.97e-03	0.02	0.03	2d8/25 L=40	4,24,24
537	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.03	0.03	2d8/25 L=40	23,26,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	7.18e-03	0.03	0.03	2d8/25 L=40	19,24,23
523	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.03	2d8/25 L=40	23,25,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	4.18e-03	0.03	0.03	2d8/25 L=40	19,25,24
							M_T= 20	**Z=786.3**	**N=4573**	**N=5775**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
486	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.07	2d8/25 L=40	16,16,3

	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	4.08e-03	0.06	0.06	2d8/25 L=40	15,17,4
726	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.06	2d8/25 L=40	17,16,16
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.13e-03	0.08	0.08	2d8/25 L=40	23,17,4
719	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.06	2d8/25 L=40	16,16,16
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.64e-03	0.09	0.08	2d8/25 L=40	3,17,4
712	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.06	2d8/25 L=40	16,16,16
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.09	0.07	2d8/25 L=40	18,17,4
705	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.06	2d8/25 L=40	16,16,16
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.09	0.07	2d8/25 L=40	15,17,4
696	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.06	2d8/25 L=40	17,16,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.07	2d8/25 L=40	15,17,4
687	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.06	2d8/25 L=40	17,16,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.07	2d8/25 L=40	15,17,4
676	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.06	2d8/25 L=40	17,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.80e-03	0.07	0.07	2d8/25 L=40	19,17,4
666	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.06	2d8/25 L=40	17,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.01e-03	0.07	0.07	2d8/25 L=40	18,17,4
654	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.05	2d8/25 L=40	15,16,15
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.08	2d8/25 L=40	11,17,4
640	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.05	2d8/25 L=40	16,3,15
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.08	2d8/25 L=40	11,17,4
625	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.04	0.05	2d8/25 L=40	17,16,16
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.07	0.08	2d8/25 L=40	18,17,4
610	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.05	2d8/25 L=40	17,16,20
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.07	0.09	2d8/25 L=40	26,17,4
593	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.03	0.04	2d8/25 L=40	11,3,20
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.19e-03	0.07	0.09	2d8/25 L=40	26,4,4
572	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.04	0.05	2d8/25 L=40	11,4,15
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.05e-03	0.06	0.08	2d8/25 L=40	11,4,4
551	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.06	2d8/25 L=40	18,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.07	2d8/25 L=40	11,4,3
531	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.08	2d8/25 L=40	15,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.04	0.05	2d8/25 L=40	11,3,3
513	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.06	0.09	2d8/25 L=40	11,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.03	0.04	2d8/25 L=40	18,3,3
873	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.09	2d8/25 L=40	19,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.04	0.05	2d8/25 L=40	16,21,18
869	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.09	2d8/25 L=40	19,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.03	0.04	2d8/25 L=40	16,3,25
865	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.09	2d8/25 L=40	15,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.03	0.04	2d8/25 L=40	16,3,3
861	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.09	2d8/25 L=40	15,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.03	0.04	2d8/25 L=40	24,3,3
857	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.08	2d8/25 L=40	15,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.03	0.05	2d8/25 L=40	36,3,3
853	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.08	2d8/25 L=40	15,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.92e-03	0.04	0.05	2d8/25 L=40	34,3,3
849	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.07	2d8/25 L=40	15,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.02e-03	0.04	0.06	2d8/25 L=40	15,3,3
845	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.07	2d8/25 L=40	15,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.04	0.06	2d8/25 L=40	15,3,3
841	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.04	0.06	2d8/25 L=40	16,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.07	2d8/25 L=40	16,4,4
837	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.05	2d8/25 L=40	16,3,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.08	2d8/25 L=40	16,4,4
833	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.05	2d8/25 L=40	24,3,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.08	2d8/25 L=40	16,4,4
829	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.04	0.04	2d8/25 L=40	24,3,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.07	0.09	2d8/25 L=40	16,4,4
825	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.04	2d8/25 L=40	27,3,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.05	0.07	0.09	2d8/25 L=40	16,4,4
821	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.07	0.04	0.05	2d8/25 L=40	19,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.07	0.06	0.08	2d8/25 L=40	19,4,4
817	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.06	0.06	2d8/25 L=40	16,23,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.07	2d8/25 L=40	16,26,3
813	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.05	0.06	2d8/25 L=40	16,4,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.07	2d8/25 L=40	16,4,3
809	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.06	2d8/25 L=40	24,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.07	2d8/25 L=40	16,4,4
805	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.06	2d8/25 L=40	24,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.46e-03	0.06	0.07	2d8/25 L=40	35,4,4
801	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.49e-03	0.05	0.06	2d8/25 L=40	24,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.07	2d8/25 L=40	23,4,4
797	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.46e-03	0.05	0.06	2d8/25 L=40	15,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.07	2d8/25 L=40	23,4,4
793	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.06	2d8/25 L=40	16,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.07	2d8/25 L=40	24,4,4
789	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.06	2d8/25 L=40	16,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.53e-03	0.06	0.07	2d8/25 L=40	36,4,4
785	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.06	2d8/25 L=40	32,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.08e-03	0.06	0.07	2d8/25 L=40	15,4,4
781	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.06	2d8/25 L=40	32,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.07	2d8/25 L=40	15,4,4
777	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.06	2d8/25 L=40	38,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.07	2d8/25 L=40	15,11,4
773	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.06	2d8/25 L=40	23,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.07	2d8/25 L=40	15,11,4
769	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.06	2d8/25 L=40	23,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.07	2d8/25 L=40	16,11,4
765	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.06	2d8/25 L=40	24,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.07	0.07	2d8/25 L=40	16,11,4
760	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	8.35e-03	0.06	0.06	2d8/25 L=40	24,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.07	0.07	2d8/25 L=40	20,11,4
753	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.21e-03	0.06	0.05	2d8/25 L=40	37,4,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.07	0.08	2d8/25 L=40	24,11,4
746	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.02e-03	0.06	0.05	2d8/25 L=40	15,17,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.08	0.08	2d8/25 L=40	24,11,4
740	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.06	0.05	2d8/25 L=40	23,17,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.68e-03	0.07	0.08	2d8/25 L=40	3,11,4
735	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.07	0.05	2d8/25 L=40	23,17,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	5.87e-03	0.07	0.08	2d8/25 L=40	22,11,4

730	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.08	0.06	2d8/25 L=40	28,17,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.32e-03	0.06	0.07	2d8/25 L=40	15,11,4
723	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.06	2d8/25 L=40	16,17,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.07	2d8/25 L=40	15,37,4
716	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.09	0.06	2d8/25 L=40	16,25,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.06	2d8/25 L=40	15,24,4
709	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.09	0.07	2d8/25 L=40	16,25,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.06	2d8/25 L=40	15,24,4
701	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.08	0.07	2d8/25 L=40	16,25,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.06	2d8/25 L=40	15,25,4
692	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.06	2d8/25 L=40	16,17,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	4.17e-03	0.06	0.07	2d8/25 L=40	37,4,4
681	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.05	2d8/25 L=40	15,15,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.07	0.08	2d8/25 L=40	22,4,4
671	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.03	0.01	2d8/25 L=40	16,17,16
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.23e-03	0.03	0.02	2d8/25 L=40	34,11,16
660	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.51e-03	0.02	0.01	2d8/25 L=40	34,11,17
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.38e-03	0.01	7.36e-03	2d8/25 L=40	26,11,17
646	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.24e-03	0.02	0.02	2d8/25 L=40	15,11,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.42e-03	0.02	8.89e-03	2d8/25 L=40	26,11,25
631	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.88e-03	0.02	0.02	2d8/25 L=40	15,11,25
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.18e-03	0.02	8.89e-03	2d8/25 L=40	26,11,25
616	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.28e-03	0.02	0.02	2d8/25 L=40	15,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	5.95e-03	0.02	8.56e-03	2d8/25 L=40	26,11,26
600	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	1.74e-03	0.02	0.02	2d8/25 L=40	33,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	5.83e-03	0.02	8.03e-03	2d8/25 L=40	26,11,26
579	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	1.31e-03	0.02	0.01	2d8/25 L=40	33,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	5.61e-03	0.02	6.88e-03	2d8/25 L=40	26,23,26
558	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	1.33e-03	0.02	0.01	2d8/25 L=40	24,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	4.86e-03	0.02	7.47e-03	2d8/25 L=40	26,23,23
541	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.72e-03	0.02	0.01	2d8/25 L=40	24,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	5.10e-03	0.02	8.35e-03	2d8/25 L=40	26,23,23
563	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.51e-03	0.02	0.02	2d8/25 L=40	24,26,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.07e-03	0.02	0.01	2d8/25 L=40	26,23,26
586	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.21e-03	0.04	0.03	2d8/25 L=40	28,34,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.03	0.02	2d8/25 L=40	26,34,26
500	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.03	7.80e-03	2d8/25 L=40	26,35,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.03	7.61e-03	2d8/25 L=40	26,35,23
519	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.86e-03	0.02	0.02	2d8/25 L=40	24,33,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.83e-03	0.02	0.01	2d8/25 L=40	26,23,23
544	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.32e-03	0.02	0.02	2d8/25 L=40	24,26,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.27e-03	0.02	0.01	2d8/25 L=40	26,26,26
565	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.41e-03	0.02	0.02	2d8/25 L=40	24,26,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.39e-03	0.02	0.01	2d8/25 L=40	26,26,26
588	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.33e-03	0.02	0.02	2d8/25 L=40	24,26,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.75e-03	0.02	0.01	2d8/25 L=40	26,26,26
606	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.34e-03	0.02	0.02	2d8/25 L=40	24,26,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.02e-03	0.02	0.01	2d8/25 L=40	26,26,26
621	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.49e-03	0.02	0.02	2d8/25 L=40	23,26,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.13e-03	0.02	0.01	2d8/25 L=40	26,26,26
636	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.62e-03	0.02	0.02	2d8/25 L=40	23,26,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.06e-03	0.02	0.01	2d8/25 L=40	26,26,26
493	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.68e-03	0.02	0.02	2d8/25 L=40	23,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.96e-03	0.02	0.01	2d8/25 L=40	26,11,26
506	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.56e-03	0.03	0.02	2d8/25 L=40	23,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.60e-03	0.02	0.01	2d8/25 L=40	26,11,26
524	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.22e-03	0.02	0.02	2d8/25 L=40	23,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.57e-03	0.02	0.01	2d8/25 L=40	26,15,26
560	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.79e-03	0.02	0.02	2d8/25 L=40	23,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	4.29e-03	0.02	0.01	2d8/25 L=40	26,15,26
547	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.97e-03	0.02	0.02	2d8/25 L=40	26,11,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	4.08e-03	0.03	9.80e-03	2d8/25 L=40	31,23,23
568	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.04	0.02	2d8/25 L=40	26,26,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	5.00e-03	0.04	8.96e-03	2d8/25 L=40	33,23,23
							M_T= 21	**Z=786.3**	**N=4963**	**N=5923**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
487	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.13	0.33	0.79	2d8/25 L=40	42,46,44
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.05	0.29	0.68	2d8/25 L=40	46,43,45
727	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.09	0.18	0.07	2d8/25 L=40	22,34,18
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.05	0.17	0.07	2d8/25 L=40	19,34,4
720	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.06	0.16	0.07	2d8/25 L=40	18,18,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.06	0.13	0.07	2d8/25 L=40	15,15,20
713	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.06	0.19	0.07	2d8/25 L=40	20,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.06	0.16	0.07	2d8/25 L=40	3,20,20
706	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.06	0.20	0.07	2d8/25 L=40	20,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.07	0.17	0.07	2d8/25 L=40	3,20,4
697	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.06	0.20	0.08	2d8/25 L=40	3,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.07	0.17	0.06	2d8/25 L=40	3,21,4
688	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.06	0.20	0.08	2d8/25 L=40	3,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.06	0.17	0.06	2d8/25 L=40	3,21,4
677	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.06	0.21	0.08	2d8/25 L=40	3,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.06	0.17	0.06	2d8/25 L=40	22,20,4
667	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.08	0.21	0.08	2d8/25 L=40	3,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.06	0.18	0.06	2d8/25 L=40	3,20,16
655	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.22	0.09	2d8/25 L=40	22,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.18	0.06	2d8/25 L=40	18,20,16
641	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.24	0.07	2d8/25 L=40	22,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.06	0.21	0.06	2d8/25 L=40	15,20,4
626	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.27	0.05	2d8/25 L=40	18,21,18
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.09	0.26	0.09	2d8/25 L=40	11,21,11
611	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.04	0.24	0.69	2d8/25 L=40	15,22,17
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.17	0.27	0.79	2d8/25 L=40	11,22,17
594	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.07	0.27	0.69	2d8/20 L=40	11,17,17
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.26	0.31	0.86	2d8/20 L=40	11,32,17
573	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.16	0.36	0.68	2d8/15 L=40	11,17,17
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.31	0.40	0.80	2d8/15 L=40	11,17,17
552	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.29	0.54	0.85	2d8/12 L=40	11,17,17
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.22	0.53	0.81	2d8/12 L=40	18,17,17
532	ok,ok	0.0	0.32	4.0	4.0	8.0	0.09	0.35	0.90	0.81	2d8/8 L=40	11,17,17
	s=11,m=1	40.1	0.32	4.0	4.0	8.0	0.09	0.05	0.86	0.74	2d8/8 L=40	26,17,17
514	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.17	0.57	0.80	2d8/15 L=40	18,17,16

	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.15	0.61	0.93	2d8/15 L=40	26,17,16
542	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.24	0.35	0.94	2d8/20 L=40	18,17,17
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.03	0.31	0.77	2d8/20 L=40	38,17,17
501	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.14	0.28	0.72	2d8/25 L=40	18,20,21
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.04	0.25	0.59	2d8/25 L=40	11,20,21
520	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.24	0.07	2d8/25 L=40	9,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.09	0.23	0.07	2d8/25 L=40	22,20,4
494	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.22	0.06	2d8/25 L=40	23,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.10	0.22	0.08	2d8/25 L=40	11,20,4
596	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.22	0.06	2d8/25 L=40	11,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.12	0.21	0.08	2d8/25 L=40	11,20,4
575	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.07	0.21	0.06	2d8/25 L=40	11,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.13	0.21	0.08	2d8/25 L=40	11,21,4
554	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.10	0.20	0.06	2d8/25 L=40	11,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.14	0.20	0.08	2d8/25 L=40	26,21,4
647	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.12	0.18	0.06	2d8/25 L=40	18,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.15	0.18	0.08	2d8/25 L=40	26,21,4
632	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.14	0.14	0.05	2d8/25 L=40	26,21,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.15	0.15	0.09	2d8/25 L=40	26,21,4
617	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.15	0.08	0.03	2d8/25 L=40	26,17,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.11	0.12	0.12	2d8/25 L=40	26,17,11
649	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.14	0.09	0.02	2d8/25 L=40	26,35,12
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.06	0.14	0.15	2d8/25 L=40	26,38,11
634	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.10	0.15	0.03	2d8/25 L=40	26,35,12
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.20	0.15	2d8/25 L=40	38,38,11
602	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.05	0.25	0.60	2d8/25 L=40	9,18,15
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.02	0.30	0.70	2d8/25 L=40	9,18,23
682	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.38	0.99	2d8/20 L=40	34,15,15
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.06	0.36	0.89	2d8/20 L=40	9,18,18
672	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.04	0.70	0.89	2d8/12 L=40	9,18,15
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.09	0.69	0.83	2d8/12 L=40	9,18,15
683	ok,ok	0.0	0.32	4.0	4.0	8.0	0.09	0.06	0.80	0.81	2d8/10 L=40	9,18,18
	s=11,m=1	40.1	0.32	4.0	4.0	8.0	0.09	0.04	0.80	0.86	2d8/10 L=40	17,18,15
661	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.06	0.47	0.87	2d8/15 L=40	9,18,18
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.01	0.48	0.96	2d8/15 L=40	15,18,15
648	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.31	0.80	2d8/20 L=40	23,18,18
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.02	0.31	0.81	2d8/20 L=40	15,18,18
662	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.27	0.74	2d8/25 L=40	23,26,18
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.02	0.27	0.74	2d8/25 L=40	3,26,18
633	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.24	0.07	2d8/25 L=40	1,18,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.25	0.07	2d8/25 L=40	11,18,3
619	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.18	0.07	2d8/25 L=40	3,18,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.19	0.07	2d8/25 L=40	11,18,3
585	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.14	0.07	2d8/25 L=40	11,18,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.14	0.07	2d8/25 L=40	11,18,4
618	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.10	0.08	2d8/25 L=40	11,18,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.10	0.06	2d8/25 L=40	11,18,4
605	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.08	2d8/25 L=40	11,18,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.06	2d8/25 L=40	11,18,4
536	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.08	2d8/25 L=40	11,24,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.06	2d8/25 L=40	11,24,4
582	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.11	0.08	2d8/25 L=40	11,24,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.10	0.06	2d8/25 L=40	15,24,4
562	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.15	0.08	2d8/25 L=40	11,24,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.14	0.06	2d8/25 L=40	15,24,4
518	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.21	0.08	2d8/25 L=40	18,24,4
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.93e-03	0.19	0.06	2d8/25 L=40	15,24,4
580	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.26	0.66	2d8/25 L=40	22,28,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	7.64e-03	0.26	0.60	2d8/25 L=40	18,25,24
559	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.27	0.89	2d8/25 L=40	18,37,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.02	0.28	0.84	2d8/25 L=40	17,21,24
543	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.43	0.85	2d8/15 L=40	18,24,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.03	0.41	0.79	2d8/15 L=40	17,25,25
601	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.11	0.68	0.84	2d8/12 L=40	11,24,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.08	0.70	0.85	2d8/12 L=40	9,25,25
583	ok,ok	0.0	0.32	4.0	4.0	8.0	0.09	0.11	0.77	0.95	2d8/12 L=40	9,25,25
	s=11,m=1	40.1	0.32	4.0	4.0	8.0	0.09	0.05	0.77	0.97	2d8/12 L=40	9,25,25
564	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.09	0.46	0.84	2d8/15 L=40	9,25,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.01	0.49	0.94	2d8/15 L=40	15,25,25
603	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.33	0.88	2d8/20 L=40	22,25,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.01	0.32	0.82	2d8/20 L=40	15,25,25
587	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.30	0.90	2d8/25 L=40	18,27,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.01	0.25	0.78	2d8/25 L=40	15,27,25
507	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.30	0.77	2d8/25 L=40	26,24,25
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	7.46e-03	0.25	0.66	2d8/25 L=40	18,17,25
752	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.27	0.13	2d8/25 L=40	18,25,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.83e-03	0.25	0.03	2d8/25 L=40	18,25,18
745	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.23	0.11	2d8/25 L=40	15,25,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.22	0.04	2d8/25 L=40	11,25,18
739	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.17	0.07	2d8/25 L=40	16,25,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.08	0.20	0.07	2d8/25 L=40	11,25,4
755	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.07	0.08	0.07	2d8/25 L=40	9,11,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.07	0.05	2d8/25 L=40	9,11,9
748	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.08	0.06	2d8/25 L=40	9,11,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.04	2d8/25 L=40	9,11,11
734	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.04	2d8/25 L=40	9,11,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.02	2d8/25 L=40	9,11,23
761	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.03	2d8/25 L=40	9,30,23
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.02	2d8/25 L=40	9,30,23
754	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.10	0.02	2d8/25 L=40	9,30,23
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.10	0.01	2d8/25 L=40	9,30,23
747	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.19	0.03	2d8/25 L=40	9,30,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.19	0.01	2d8/25 L=40	9,30,23
756	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.03	0.30	0.87	2d8/25 L=40	9,30,30
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.03	0.29	0.84	2d8/25 L=40	9,30,30
741	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.04	0.65	0.85	2d8/12 L=40	9,30,30
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.09	0.65	0.84	2d8/12 L=40	9,30,30
729	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.11	0.64	0.83	2d8/12 L=40	9,30,27
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.04	0.64	0.84	2d8/12 L=40	9,30,27
722	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.03	0.30	0.86	2d8/25 L=40	9,30,30
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.04	0.31	0.88	2d8/25 L=40	11,30,30

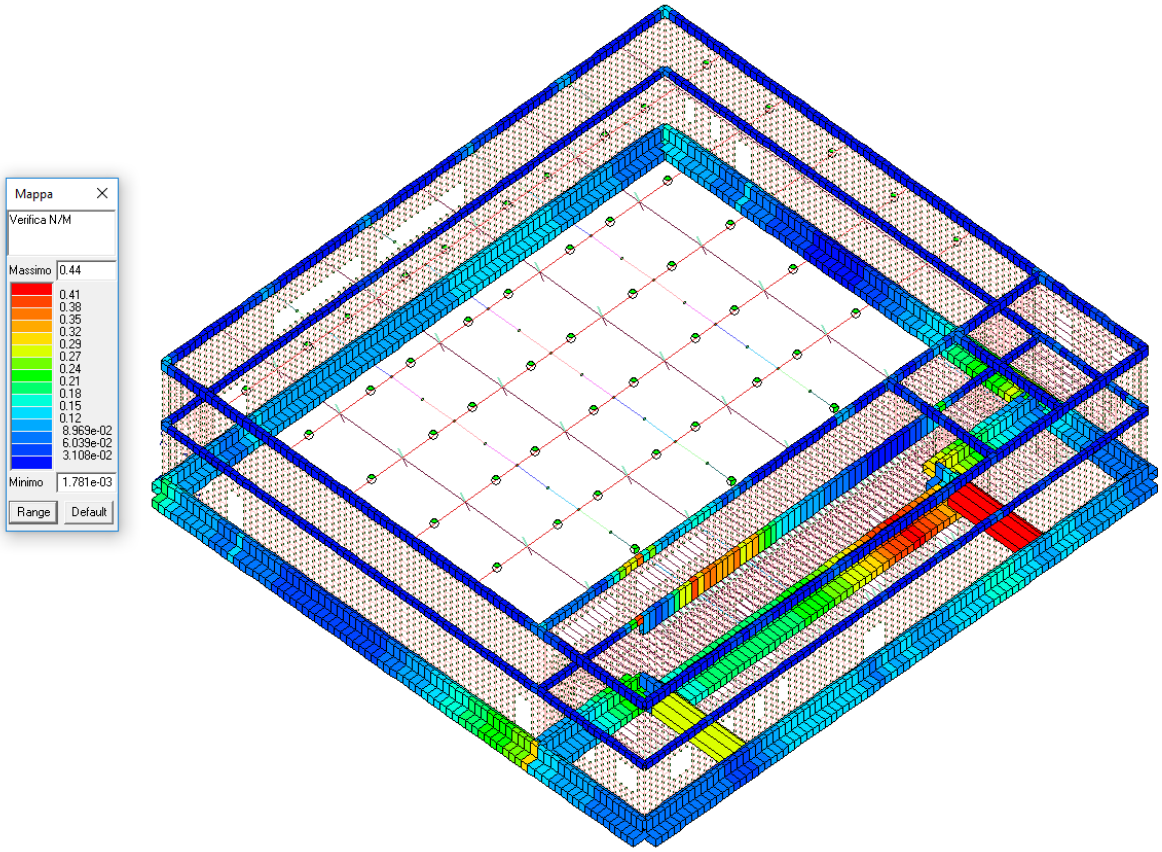
715	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.26	0.01	2d8/25 L=40	11,30,30
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.07	0.27	0.03	2d8/25 L=40	11,30,11
708	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.07	0.03	0.03	2d8/25 L=40	11,11,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.05	0.02	0.01	2d8/25 L=40	9,24,25
700	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.02	0.01	2d8/25 L=40	9,11,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.02	0.01	2d8/25 L=40	9,36,28
691	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	9.94e-03	6.51e-03	2d8/25 L=40	9,38,40
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.02	0.02	2d8/25 L=40	9,11,9
680	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.01	0.01	2d8/25 L=40	9,32,40
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.02	2d8/25 L=40	9,11,11
670	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.01	0.01	2d8/25 L=40	9,44,40
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.03	2d8/25 L=40	9,11,9
658	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	8.68e-03	0.02	0.01	2d8/25 L=40	43,44,40
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.02	0.03	2d8/25 L=40	9,44,9
644	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.39e-03	0.03	0.01	2d8/25 L=40	43,42,40
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.03	0.03	2d8/25 L=40	9,42,9
629	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.96e-03	0.04	0.01	2d8/25 L=40	43,42,44
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.74e-03	0.04	0.03	2d8/25 L=40	28,42,9
614	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.56e-03	0.05	0.02	2d8/25 L=40	46,46,44
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.44e-03	0.05	0.03	2d8/25 L=40	24,46,9
598	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.02	2d8/25 L=40	46,46,44
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.23e-03	0.06	0.03	2d8/25 L=40	25,46,9
577	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.02	2d8/25 L=40	46,46,44
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.03	2d8/25 L=40	25,46,44
556	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.02	2d8/25 L=40	30,46,44
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.03	2d8/25 L=40	25,46,44
538	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.10	0.02	2d8/25 L=40	25,39,44
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.10	0.03	2d8/25 L=40	29,42,44
525	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.18	0.03	2d8/25 L=40	25,46,26
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.19	0.04	2d8/25 L=40	39,46,26
							M_T= 22	**Z=786.3**	**N=3621**	**N=4939**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
488	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.12	0.32	0.10	2d8/25 L=40	40,40,40
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.31	0.09	2d8/25 L=40	40,40,41
495	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.23	0.05	2d8/25 L=40	40,40,40
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.96e-03	0.23	0.05	2d8/25 L=40	40,40,41
508	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.16	0.02	2d8/25 L=40	40,40,46
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.69e-03	0.16	0.02	2d8/25 L=40	41,40,43
526	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	3.89e-03	0.12	0.01	2d8/25 L=40	42,32,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.01e-03	0.12	9.30e-03	2d8/25 L=40	21,32,11
548	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	1.93e-03	0.10	0.01	2d8/25 L=40	16,32,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.18e-03	0.11	9.50e-03	2d8/25 L=40	21,32,11
569	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.45e-03	0.10	0.01	2d8/25 L=40	20,32,21
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.34e-03	0.10	9.60e-03	2d8/25 L=40	21,32,20
590	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.72e-03	0.11	0.01	2d8/25 L=40	20,31,21
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.36e-03	0.10	9.63e-03	2d8/25 L=40	21,31,20
608	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	3.06e-03	0.11	0.01	2d8/25 L=40	21,31,21
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.13e-03	0.11	9.43e-03	2d8/25 L=40	21,31,20
623	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	3.68e-03	0.12	0.01	2d8/25 L=40	21,31,21
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	2.50e-03	0.11	9.27e-03	2d8/25 L=40	21,31,11
638	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.66e-03	0.12	0.01	2d8/25 L=40	17,31,21
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.80e-03	0.12	9.84e-03	2d8/25 L=40	9,31,11
652	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.11e-03	0.13	0.01	2d8/25 L=40	17,33,21
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.26e-03	0.12	0.01	2d8/25 L=40	9,33,11
664	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	8.19e-03	0.12	0.01	2d8/25 L=40	17,33,17
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.12	0.02	2d8/25 L=40	9,33,11
674	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.11	7.86e-03	2d8/25 L=40	9,33,17
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.11	0.02	2d8/25 L=40	9,33,11
685	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.09	6.29e-03	2d8/25 L=40	9,31,14
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.09	0.03	2d8/25 L=40	9,31,11
694	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.09	6.86e-03	2d8/25 L=40	9,15,17
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.09	0.02	2d8/25 L=40	9,15,11
703	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.21	0.07	2d8/25 L=40	9,21,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.20	0.05	2d8/25 L=40	11,21,11
710	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.04	0.36	0.94	2d8/25 L=40	11,21,21
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.10	0.36	0.92	2d8/25 L=40	9,21,21
717	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.08	0.45	0.97	2d8/20 L=40	9,17,17
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.03	0.46	0.99	2d8/20 L=40	9,17,17
724	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.03	0.28	0.68	2d8/25 L=40	9,32,17
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.02	0.29	0.71	2d8/25 L=40	9,32,17
731	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.19	5.05e-03	2d8/25 L=40	9,17,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.19	0.02	2d8/25 L=40	9,17,11
736	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	8.91e-03	0.13	4.44e-03	2d8/25 L=40	9,33,12
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	5.76e-03	0.14	0.02	2d8/25 L=40	37,33,11
742	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.99e-03	0.10	4.00e-03	2d8/25 L=40	31,33,44
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.11	0.02	2d8/25 L=40	37,33,11
749	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.09	3.95e-03	2d8/25 L=40	9,33,44
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.10	0.02	2d8/25 L=40	9,33,11
757	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.09	2.70e-03	2d8/25 L=40	9,33,45
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.09	0.02	2d8/25 L=40	9,33,11
762	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.08	5.10e-03	2d8/25 L=40	9,33,45
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.02	2d8/25 L=40	9,33,11
766	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.08	8.48e-03	2d8/25 L=40	11,33,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.01	2d8/25 L=40	9,33,11
770	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.01	2d8/25 L=40	11,31,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.07	7.64e-03	2d8/25 L=40	11,34,11
774	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.01	2d8/25 L=40	11,31,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	5.24e-03	2d8/25 L=40	11,34,11
778	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.01	2d8/25 L=40	11,31,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.97e-03	0.05	5.34e-03	2d8/25 L=40	11,34,14
782	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.31e-03	0.04	0.01	2d8/25 L=40	24,25,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	4.34e-03	0.03	6.26e-03	2d8/25 L=40	36,24,14
786	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.94e-03	0.11	0.02	2d8/25 L=40	25,18,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.46e-03	0.10	4.29e-03	2d8/25 L=40	9,18,29
790	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.28	0.08	2d8/25 L=40	9,18,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.27	0.06	2d8/25 L=40	11,18,11
794	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.03	0.44	0.93	2d8/20 L=40	11,18,15
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.08	0.44	0.91	2d8/20 L=40	9,18,15
798	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.09	0.47	0.74	2d8/15 L=40	9,18,15
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.02	0.47	0.75	2d8/15 L=40	14,18,15
802	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.28	0.60	2d8/25 L=40	14,35,15

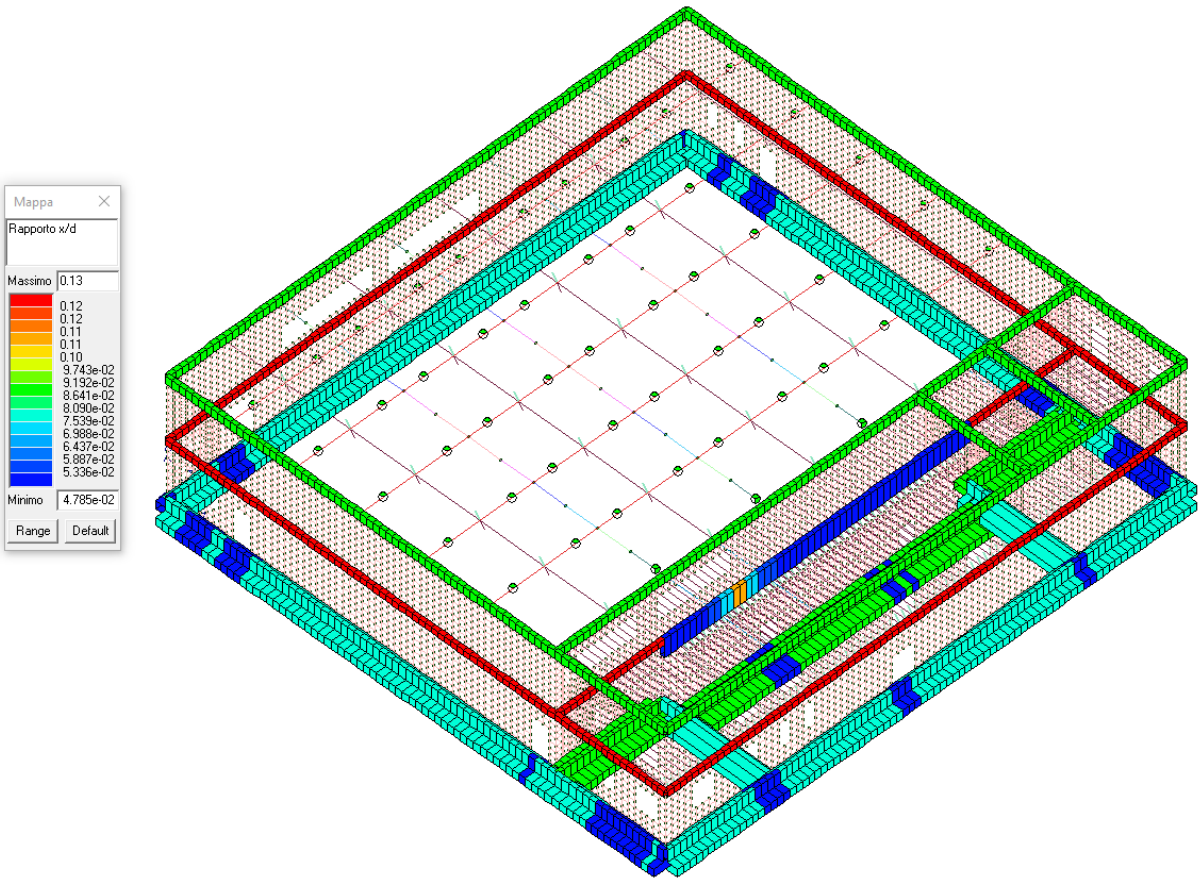
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.04	0.29	0.63	2d8/25 L=40	9,35,15
806	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.13	4.14e-03	2d8/25 L=40	9,15,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.14	0.02	2d8/25 L=40	9,18,9
810	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.05	0.01	2d8/25 L=40	9,15,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.01	2d8/25 L=40	9,15,1
814	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	4.14e-03	2d8/25 L=40	9,22,14
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.97e-03	0.03	0.02	2d8/25 L=40	9,22,9
818	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.84e-03	0.03	6.14e-03	2d8/25 L=40	31,33,42
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.74e-03	0.04	0.02	2d8/25 L=40	31,17,9
822	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	9.25e-03	0.04	7.03e-03	2d8/25 L=40	3,33,42
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.30e-03	0.04	0.03	2d8/25 L=40	31,33,9
826	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.04	6.20e-03	2d8/25 L=40	11,33,42
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.02	2d8/25 L=40	11,33,9
830	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	4.25e-03	2d8/25 L=40	11,33,42
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.02	2d8/25 L=40	11,33,9
834	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	5.12e-03	2d8/25 L=40	9,33,39
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.02	2d8/25 L=40	11,33,9
838	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	7.64e-03	2d8/25 L=40	9,33,39
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.01	2d8/25 L=40	11,33,9
842	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.06	9.56e-03	2d8/25 L=40	9,33,39
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.01	2d8/25 L=40	11,33,9
846	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.08	0.01	2d8/25 L=40	9,33,39
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.07	9.99e-03	2d8/25 L=40	3,33,9
850	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.11	0.01	2d8/25 L=40	36,37,3
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.61e-03	0.10	9.59e-03	2d8/25 L=40	44,37,9
854	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.42e-03	0.18	0.02	2d8/25 L=40	36,25,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.29e-03	0.17	3.41e-03	2d8/25 L=40	36,25,39
858	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	8.02e-03	0.28	0.70	2d8/25 L=40	31,21,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.05	0.27	0.67	2d8/25 L=40	9,21,24
862	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.04	0.48	0.77	2d8/15 L=40	9,25,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.08	0.47	0.75	2d8/15 L=40	9,25,24
866	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.11	0.41	0.84	2d8/20 L=40	9,24,24
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.05	0.42	0.86	2d8/20 L=40	9,24,24
870	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.25	0.05	2d8/25 L=40	11,24,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.25	0.07	2d8/25 L=40	9,24,11
874	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.08	0.02	2d8/25 L=40	9,24,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.04	0.08	1.94e-03	2d8/25 L=40	9,24,42
877	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.05	0.03	2d8/25 L=40	9,33,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.01	2d8/25 L=40	9,33,11
880	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.07	0.02	2d8/25 L=40	9,33,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.07	4.58e-03	2d8/25 L=40	9,32,14
883	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.02	2d8/25 L=40	9,33,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.08	5.86e-03	2d8/25 L=40	9,32,42
886	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.08	9.77e-03	2d8/25 L=40	9,33,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.08	0.01	2d8/25 L=40	9,32,9
889	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	9.98e-03	0.07	5.64e-03	2d8/25 L=40	9,33,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.78e-03	0.08	0.01	2d8/25 L=40	9,32,9
892	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.24e-03	0.07	3.89e-03	2d8/25 L=40	9,33,39
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	8.94e-03	0.07	0.02	2d8/25 L=40	9,32,9
895	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.00e-03	0.07	3.38e-03	2d8/25 L=40	9,34,39
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	9.50e-03	0.07	0.02	2d8/25 L=40	9,34,9
898	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.13e-03	0.06	4.27e-03	2d8/25 L=40	9,32,42
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.02	2d8/25 L=40	9,32,9
900	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.87e-03	0.06	8.02e-03	2d8/25 L=40	9,34,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.03	2d8/25 L=40	9,34,9
901	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.07	0.01	2d8/25 L=40	9,38,9
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.03	2d8/25 L=40	9,38,9
902	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.12	4.49e-03	2d8/25 L=40	9,30,39
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.12	0.02	2d8/25 L=40	9,30,9
903	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.89e-03	0.27	0.08	2d8/25 L=40	9,30,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.06	0.27	0.06	2d8/25 L=40	9,30,11
904	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.06	0.41	0.86	2d8/20 L=40	9,30,30
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.10	0.40	0.84	2d8/20 L=40	9,30,30
905	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.10	0.39	0.81	2d8/20 L=40	9,30,30
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.06	0.40	0.83	2d8/20 L=40	9,30,30
906	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.26	0.06	2d8/25 L=40	9,26,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	7.00e-03	0.26	0.08	2d8/25 L=40	9,26,11
907	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.12	0.01	2d8/25 L=40	9,24,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.12	6.50e-03	2d8/25 L=40	9,24,30
908	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.03	2d8/25 L=40	9,28,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.01	0.08	7.03e-03	2d8/25 L=40	9,28,11
909	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.08	0.02	2d8/25 L=40	9,36,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	6.35e-03	0.08	4.56e-03	2d8/25 L=40	9,36,14
910	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	8.73e-03	0.08	0.02	2d8/25 L=40	9,36,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.92e-03	0.08	5.57e-03	2d8/25 L=40	29,36,30
911	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.41e-03	0.09	0.02	2d8/25 L=40	9,36,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.38e-03	0.08	6.78e-03	2d8/25 L=40	29,36,30
912	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	3.45e-03	0.08	0.01	2d8/25 L=40	9,36,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	3.03e-03	0.08	7.56e-03	2d8/25 L=40	29,36,30
913	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.81e-03	0.08	0.01	2d8/25 L=40	43,36,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	2.77e-03	0.08	8.06e-03	2d8/25 L=40	29,36,30
914	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.74e-03	0.08	0.01	2d8/25 L=40	43,36,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	2.69e-03	0.08	8.39e-03	2d8/25 L=40	27,36,30
915	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.72e-03	0.09	0.01	2d8/25 L=40	43,36,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	2.65e-03	0.09	8.61e-03	2d8/25 L=40	27,36,46
916	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.68e-03	0.10	0.01	2d8/25 L=40	43,35,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	2.53e-03	0.09	8.68e-03	2d8/25 L=40	27,35,46
917	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.56e-03	0.11	0.01	2d8/25 L=40	43,35,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	2.17e-03	0.11	8.23e-03	2d8/25 L=40	24,35,9
918	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.52e-03	0.13	0.01	2d8/25 L=40	46,43,11
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	4.07e-03	0.13	8.55e-03	2d8/25 L=40	44,43,9
919	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	3.34e-03	0.17	0.02	2d8/25 L=40	46,43,40
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.02	0.18	0.02	2d8/25 L=40	39,43,41
920	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	8.70e-03	0.24	0.05	2d8/25 L=40	43,43,42
	s=11,m=1	40.1	0.32	4.0	4.0	0.0	0.09	0.05	0.25	0.05	2d8/25 L=40	39,43,39
921	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.03	0.32	0.76	2d8/25 L=40	43,42,43
	s=11,m=1	40.1	0.32	4.0	4.0	4.0	0.09	0.12	0.32	0.79	2d8/25 L=40	43,45,43
							M_T= 23	**Z=786.3**	**N=3621**	**N=4573**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
489	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.11	0.26	0.88	2d8/25 L=41	40,33,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.02	0.26	0.90	2d8/25 L=41	40,36,40

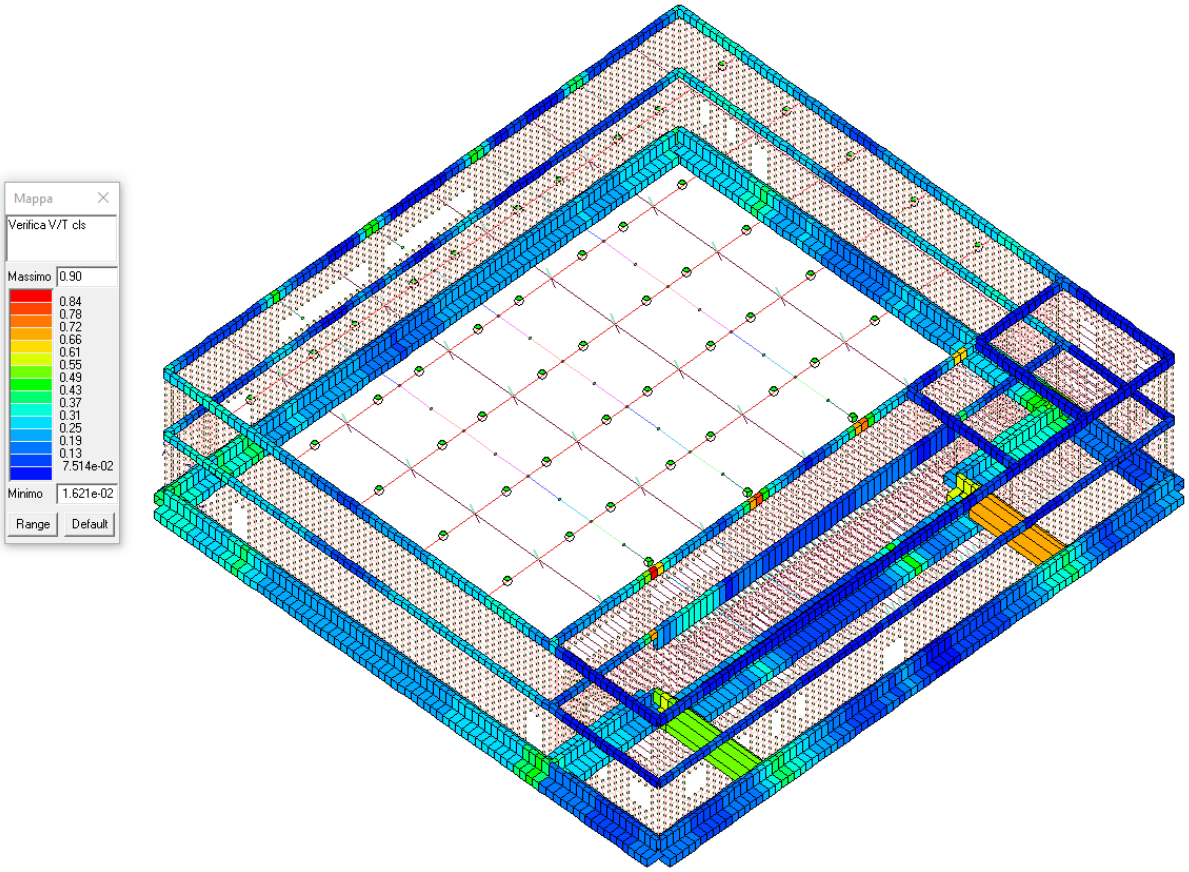
899	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.04	0.26	0.92	2d8/25 L=41	40,40,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.05e-03	0.27	0.93	2d8/25 L=41	32,40,40
897	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.98	2d8/25 L=41	46,41,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.48e-03	0.29	0.98	2d8/25 L=41	39,40,40
894	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	1.85e-03	0.32	0.83	2d8/20 L=41	46,41,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.31e-03	0.32	0.83	2d8/20 L=41	39,40,40
891	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.21e-03	0.33	0.87	2d8/20 L=41	45,42,42
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.28e-03	0.33	0.87	2d8/20 L=41	16,39,39
888	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.26e-03	0.35	0.90	2d8/20 L=41	45,42,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.14e-03	0.35	0.90	2d8/20 L=41	16,39,39
885	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.00e-03	0.35	0.92	2d8/20 L=41	44,42,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	2.88e-03	0.35	0.92	2d8/20 L=41	17,39,39
882	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	3.00e-03	0.35	0.92	2d8/20 L=41	11,42,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	2.12e-03	0.35	0.92	2d8/20 L=41	11,39,39
879	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	1.84e-03	0.34	0.91	2d8/20 L=41	11,42,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	9.24e-03	0.34	0.89	2d8/20 L=41	9,42,39
876	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	9.56e-03	0.32	0.88	2d8/20 L=41	9,42,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.02	0.32	0.87	2d8/20 L=41	9,42,39
872	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.29	0.94	2d8/25 L=41	11,40,44
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.94	2d8/25 L=41	11,40,44
868	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.93	2d8/25 L=41	9,44,44
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	2.39e-03	0.29	0.93	2d8/25 L=41	16,44,44
864	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	3.55e-03	0.30	0.94	2d8/25 L=41	11,44,44
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.70e-03	0.29	0.92	2d8/25 L=41	11,44,45
860	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	5.51e-03	0.29	0.93	2d8/25 L=41	11,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.49e-03	0.29	0.92	2d8/25 L=41	11,40,41
856	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	5.51e-03	0.29	0.92	2d8/25 L=41	20,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.50e-03	0.29	0.91	2d8/25 L=41	11,40,41
852	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	5.54e-03	0.28	0.90	2d8/25 L=41	20,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.12e-03	0.28	0.89	2d8/25 L=41	11,41,41
848	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	5.47e-03	0.27	0.88	2d8/25 L=41	20,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.97e-03	0.27	0.87	2d8/25 L=41	11,40,41
844	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	5.19e-03	0.26	0.85	2d8/25 L=41	20,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.98e-03	0.26	0.84	2d8/25 L=41	11,40,41
840	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	3.28e-03	0.24	0.80	2d8/25 L=41	11,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	6.35e-03	0.24	0.79	2d8/25 L=41	9,40,40
836	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	7.01e-03	0.22	0.74	2d8/25 L=41	9,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.01	0.22	0.74	2d8/25 L=41	9,40,40
832	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.25	0.54	2d8/25 L=41	9,44,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.40e-03	0.25	0.54	2d8/25 L=41	9,44,40
828	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.40e-03	0.23	6.52e-03	2d8/25 L=41	9,40,20
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	3.24e-03	0.23	0.01	2d8/25 L=41	22,40,9
824	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	3.97e-03	0.21	8.03e-03	2d8/25 L=41	11,40,16
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.57e-03	0.21	7.35e-03	2d8/25 L=41	11,40,17
820	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.27e-03	0.19	9.27e-03	2d8/25 L=41	11,42,16
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.21e-03	0.19	8.04e-03	2d8/25 L=41	11,42,17
816	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.88e-03	0.17	9.47e-03	2d8/25 L=41	20,34,16
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.06e-03	0.17	8.84e-03	2d8/25 L=41	11,34,17
812	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.95e-03	0.15	9.33e-03	2d8/25 L=41	20,34,16
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.51e-03	0.15	9.52e-03	2d8/25 L=41	11,34,17
808	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.04e-03	0.13	9.09e-03	2d8/25 L=41	20,34,16
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	5.17e-03	0.14	9.85e-03	2d8/25 L=41	11,34,17
804	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.92e-03	0.12	9.05e-03	2d8/25 L=41	20,34,16
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	3.79e-03	0.12	9.24e-03	2d8/25 L=41	11,34,17
800	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	2.36e-03	0.10	0.01	2d8/25 L=41	11,34,9
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	7.88e-03	0.10	4.96e-03	2d8/25 L=41	9,34,12
796	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	8.94e-03	0.09	0.01	2d8/25 L=41	9,34,9
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	0.02	0.09	4.92e-03	2d8/25 L=41	9,34,20
792	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.13	7.47e-03	2d8/25 L=41	9,40,16
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	8.56e-03	0.13	0.01	2d8/25 L=41	9,41,9
788	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.77e-03	0.17	8.91e-03	2d8/25 L=41	9,40,16
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	5.06e-03	0.17	0.02	2d8/25 L=41	16,41,9
784	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	4.43e-03	0.21	9.80e-03	2d8/25 L=41	20,40,15
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.42e-03	0.21	9.58e-03	2d8/25 L=41	11,41,18
780	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.75e-03	0.24	0.01	2d8/25 L=41	20,40,15
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	4.04e-03	0.24	0.01	2d8/25 L=41	11,41,18
776	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	7.42e-03	0.23	0.58	2d8/25 L=41	16,43,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.91e-03	0.23	0.58	2d8/25 L=41	11,46,41
772	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	7.72e-03	0.20	0.62	2d8/25 L=41	16,32,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.39e-03	0.20	0.62	2d8/25 L=41	11,33,41
768	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	7.89e-03	0.22	0.65	2d8/25 L=41	16,32,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	5.09e-03	0.22	0.66	2d8/25 L=41	11,33,41
764	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	7.62e-03	0.23	0.68	2d8/25 L=41	16,32,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	3.72e-03	0.23	0.68	2d8/25 L=41	11,33,41
759	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.29e-03	0.24	0.70	2d8/25 L=41	15,33,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.41e-03	0.24	0.69	2d8/25 L=41	9,32,40
751	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	9.43e-03	0.23	0.72	2d8/25 L=41	9,34,41
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.02	0.23	0.72	2d8/25 L=41	9,36,40
744	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.25	0.83	2d8/25 L=41	9,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.12e-03	0.25	0.84	2d8/25 L=41	9,42,42
738	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	7.44e-03	0.27	0.87	2d8/25 L=41	9,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	6.29e-03	0.27	0.88	2d8/25 L=41	15,42,42
733	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	6.45e-03	0.28	0.91	2d8/25 L=41	16,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.72e-03	0.28	0.90	2d8/25 L=41	11,42,42
728	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	9.49e-03	0.29	0.92	2d8/25 L=41	16,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.41e-03	0.29	0.92	2d8/25 L=41	11,46,41
721	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.93	2d8/25 L=41	16,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.38e-03	0.29	0.93	2d8/25 L=41	11,46,46
714	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.93	2d8/25 L=41	16,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.96e-03	0.29	0.94	2d8/25 L=41	11,42,42
707	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.92	2d8/25 L=41	16,39,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	5.75e-03	0.29	0.93	2d8/25 L=41	11,42,42
698	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.91	2d8/25 L=41	16,42,39
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	4.50e-03	0.29	0.93	2d8/25 L=41	11,42,42
689	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	2.86e-03	0.28	0.91	2d8/25 L=41	11,42,42
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	7.77e-03	0.28	0.90	2d8/25 L=41	9,42,42
678	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	8.83e-03	0.28	0.90	2d8/25 L=41	9,40,46
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.02	0.28	0.90	2d8/25 L=41	9,40,40
668	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.01	0.32	0.87	2d8/20 L=41	9,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	7.55e-03	0.32	0.86	2d8/20 L=41	15,40,40
656	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	5.86e-03	0.33	0.88	2d8/20 L=41	12,40,40

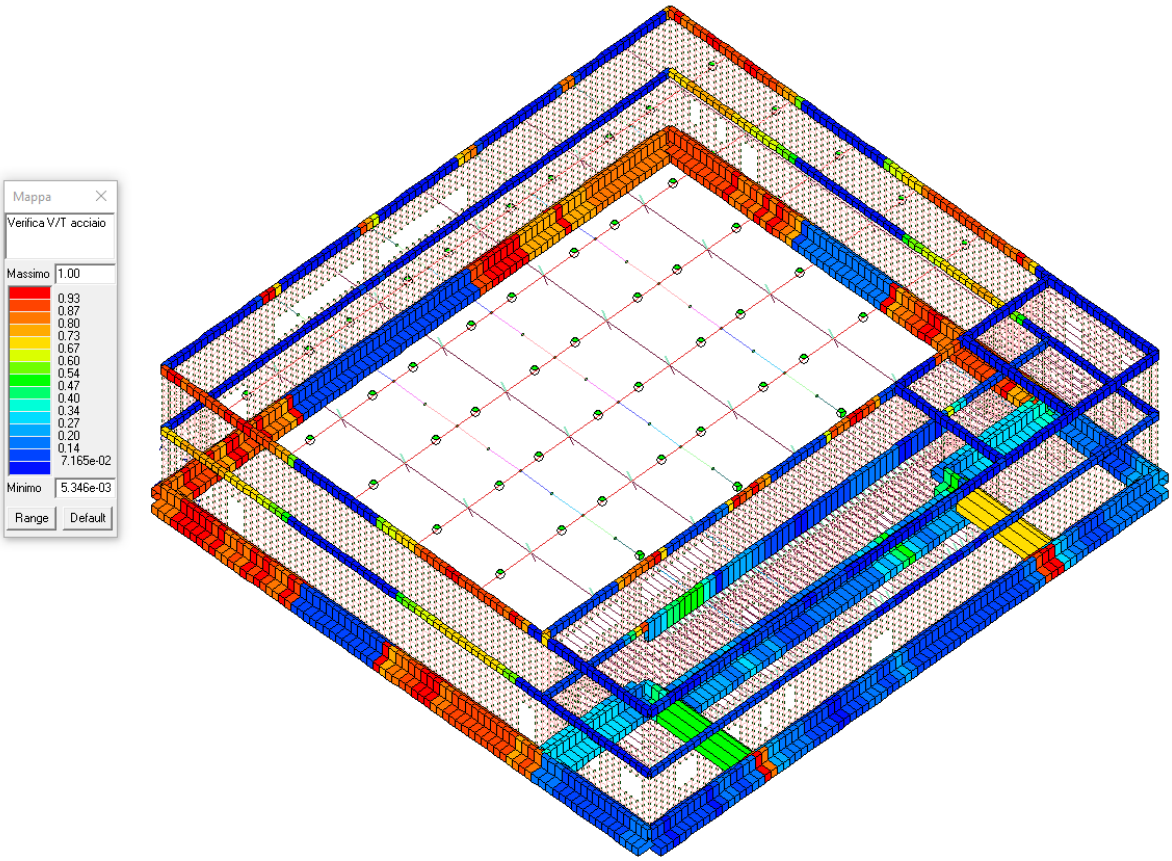
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.01	0.33	0.87	2d8/20 L=41	15,40,40
642	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	9.99e-03	0.34	0.88	2d8/20 L=41	16,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.16e-03	0.34	0.89	2d8/20 L=41	18,40,40
627	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.33	0.87	2d8/20 L=41	20,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	8.81e-03	0.33	0.87	2d8/20 L=41	18,40,40
612	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.31	0.84	2d8/20 L=41	20,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	9.71e-03	0.31	0.84	2d8/20 L=41	18,40,40
595	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.29	0.98	2d8/25 L=41	15,40,40
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	0.01	0.29	0.98	2d8/25 L=41	15,40,40
574	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.02	0.26	0.89	2d8/25 L=41	15,42,42
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	9.92e-03	0.26	0.91	2d8/25 L=41	19,42,42
553	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.03	0.21	0.74	2d8/25 L=41	20,45,42
	s=11,m=1	41.5	0.32	4.0	4.0	4.0	0.09	7.48e-03	0.21	0.76	2d8/25 L=41	42,45,42
533	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.22	0.02	2d8/25 L=41	16,42,39
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	0.02	0.23	0.02	2d8/25 L=41	16,42,42
515	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.06	0.16	0.05	2d8/25 L=41	16,40,33
	s=11,m=1	41.5	0.32	4.0	4.0	0.0	0.09	0.08	0.16	0.04	2d8/25 L=41	16,40,33
502	ok,ok	0.0	0.32	4.0	4.0	4.0	0.09	0.07	0.29	0.65	2d8/25 L=47	44,40,42
	s=11,m=1	46.7	0.32	4.0	4.0	4.0	0.09	0.04	0.30	0.68	2d8/25 L=47	19,40,42
521	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.12	0.04	2d8/25 L=47	20,34,18
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.04	0.13	0.03	2d8/25 L=47	15,40,15
545	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.04	2d8/25 L=47	22,11,22
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.04	0.05	0.03	2d8/25 L=47	15,15,22
566	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.04	2d8/25 L=40	42,39,22
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.03	2d8/25 L=40	15,39,22
589	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.07	0.03	2d8/25 L=40	42,39,22
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.03	2d8/25 L=40	15,39,19
607	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.07	0.03	2d8/25 L=40	15,39,22
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.03	2d8/25 L=40	15,39,19
622	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.03	2d8/25 L=40	15,39,18
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.03	2d8/25 L=40	15,39,15
637	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.06	0.03	2d8/25 L=40	15,39,18
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.03	0.07	0.03	2d8/25 L=40	15,39,15
651	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.03	2d8/25 L=40	15,39,18
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.06	0.04	2d8/25 L=40	20,39,15
663	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.03	2d8/25 L=40	18,39,18
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.03	0.06	0.03	2d8/25 L=40	20,39,15
673	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.03	2d8/25 L=40	4,19,18
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.03	2d8/25 L=40	20,19,15
684	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.03	2d8/25 L=40	4,18,18
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.03	2d8/25 L=40	16,15,15
693	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.03	2d8/25 L=40	3,22,18
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.03	2d8/25 L=40	16,19,15
702	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.03	2d8/25 L=40	3,18,18
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.03	2d8/25 L=40	15,15,15
496	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	7.21e-03	0.04	0.03	2d8/25 L=40	18,18,15
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.05	0.03	2d8/25 L=40	15,15,15
509	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	1.89e-03	0.03	0.03	2d8/25 L=40	24,15,19
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.03	2d8/25 L=40	19,15,19
527	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	3.23e-03	0.03	0.01	2d8/25 L=40	33,18,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.01	0.03	0.01	2d8/25 L=40	18,15,23
							M_T= 24	**Z=786.3**	**N=4432**	**N=5451**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
490	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.07	0.04	0.05	2d8/25 L=47	30,30,30
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.05	2d8/25 L=47	27,30,30
503	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.03	0.02	2d8/25 L=47	27,27,27
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.03	2d8/25 L=47	11,30,30
522	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	6.08e-03	2d8/25 L=47	11,35,30
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.01	0.02	0.01	2d8/25 L=47	11,37,30
546	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.78e-03	0.02	5.12e-03	2d8/25 L=40	25,35,16
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	6.70e-03	0.02	0.02	2d8/25 L=40	25,11,1
567	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.14e-03	0.02	7.35e-03	2d8/25 L=40	24,11,9
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	5.05e-03	0.03	0.02	2d8/25 L=40	25,11,9
497	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	9.23e-03	0.02	8.27e-03	2d8/25 L=40	24,11,11
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	8.41e-03	0.03	0.02	2d8/25 L=40	24,11,11
510	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	7.53e-03	2d8/25 L=40	24,11,11
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.01	0.03	0.02	2d8/25 L=40	24,11,11
539	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	7.05e-03	2d8/25 L=40	24,11,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.03	0.02	2d8/25 L=40	24,11,11
528	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	6.22e-03	2d8/25 L=40	24,11,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.01	2d8/25 L=40	24,11,25
549	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	8.31e-03	2d8/25 L=40	24,11,24
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.01	2d8/25 L=40	24,11,25
584	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.01	2d8/25 L=40	9,11,24
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	9.43e-03	2d8/25 L=40	24,11,25
604	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.01	2d8/25 L=40	9,11,24
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	6.30e-03	2d8/25 L=40	9,11,25
620	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.01	2d8/25 L=40	25,36,24
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	6.76e-03	2d8/25 L=40	9,36,24
650	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.02	0.01	2d8/25 L=40	25,36,28
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	7.05e-03	2d8/25 L=40	26,36,28
635	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	0.02	2d8/25 L=40	25,36,1
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	6.52e-03	2d8/25 L=40	26,36,16
570	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	8.82e-03	0.02	0.02	2d8/25 L=40	23,32,9
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	8.98e-03	0.02	6.44e-03	2d8/25 L=40	26,32,9
591	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.02	0.01	2d8/25 L=40	23,35,23
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	7.34e-03	0.02	6.84e-03	2d8/25 L=40	22,38,26
							M_T= 25	**Z=786.3**	**N=7220**	**N=7680**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
491	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.05	0.09	0.02	2d8/25 L=47	25,11,25
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.01	0.09	0.03	2d8/25 L=47	23,11,25
534	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.08	0.03	2d8/25 L=47	17,11,11
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.02	0.07	0.02	2d8/25 L=47	11,11,11
581	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.07	0.03	2d8/25 L=47	25,11,11
	s=11,m=1	46.7	0.32	4.0	4.0	0.0	0.09	0.03	0.07	0.02	2d8/25 L=47	25,11,11
561	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.06	0.02	2d8/25 L=40	26,11,11
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.03	0.05	0.01	2d8/25 L=40	25,11,11
516	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.05	0.01	2d8/25 L=40	26,11,11
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.04	0.04	3.20e-03	2d8/25 L=40	26,11,11
504	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.03	0.04	6.30e-03	2d8/25 L=40	26,11,35
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.03	0.04	5.66e-03	2d8/25 L=40	26,11,38

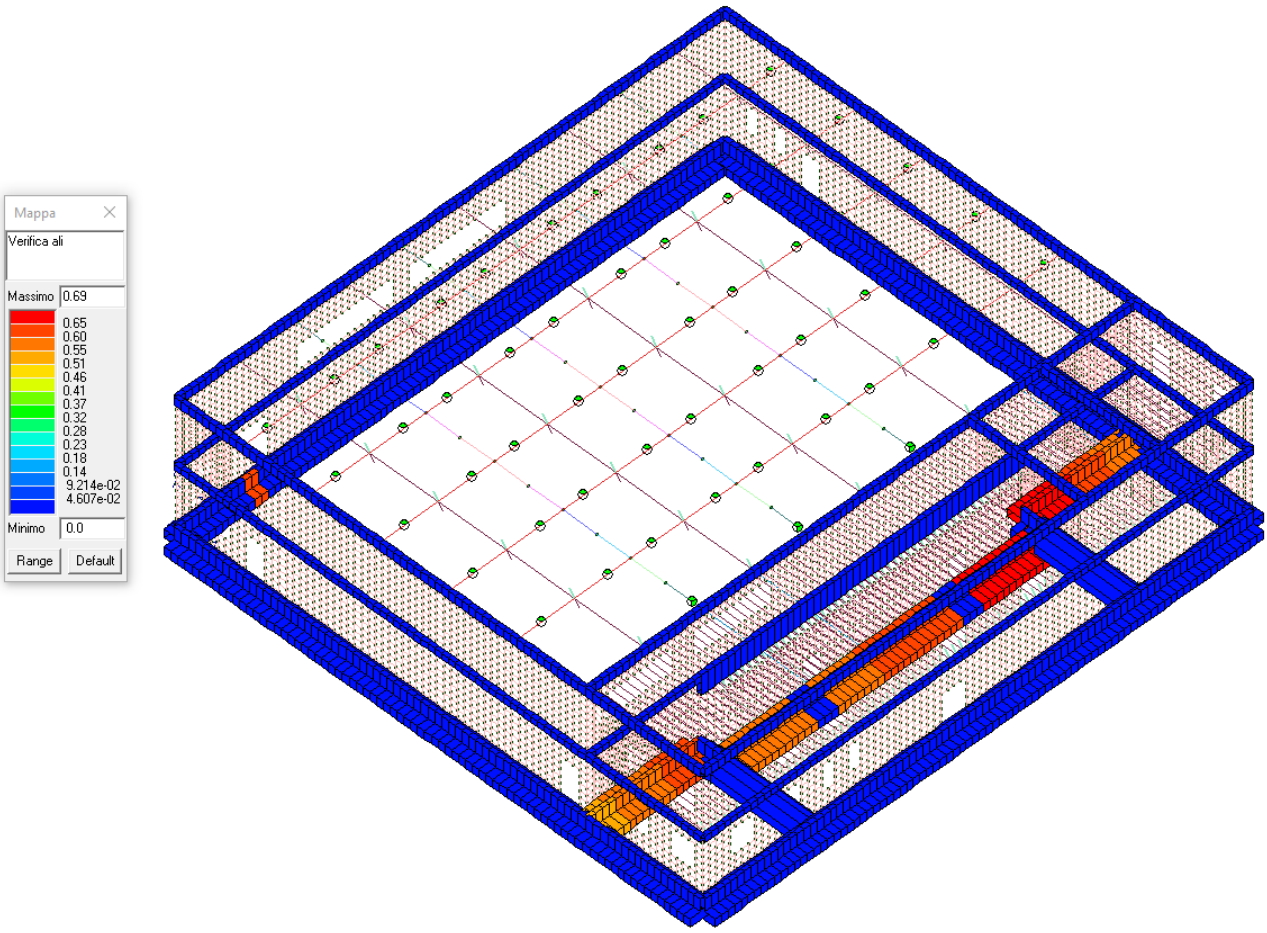
498	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	9.68e-03	2d8/25 L=40	38,25,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.03	0.01	2d8/25 L=40	24,25,24
511	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.02	2d8/25 L=40	25,26,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	3.28e-03	0.04	0.02	2d8/25 L=40	38,11,23
659	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.04	0.05	0.01	2d8/25 L=40	26,26,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	0.02	2d8/25 L=40	25,26,23
645	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.04	2.40e-03	2d8/25 L=40	26,26,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.01	0.04	0.01	2d8/25 L=40	25,26,9
630	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	5.41e-03	0.03	6.43e-03	2d8/25 L=40	11,26,29
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	8.93e-03	0.04	0.01	2d8/25 L=40	25,26,29
615	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	3.94e-03	0.03	0.01	2d8/25 L=40	24,25,25
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	7.64e-03	0.03	0.02	2d8/25 L=40	25,25,25
599	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	6.60e-03	0.01	0.01	2d8/25 L=40	29,15,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	6.29e-03	0.02	0.02	2d8/25 L=40	26,9,26
578	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	9.15e-03	0.02	0.01	2d8/25 L=40	26,26,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	6.72e-03	0.03	0.02	2d8/25 L=40	11,26,26
557	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.05	0.01	2d8/25 L=40	26,26,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	9.37e-03	0.05	0.02	2d8/25 L=40	11,26,26
540	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.01	0.07	0.01	2d8/25 L=40	23,26,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.01	0.08	0.02	2d8/25 L=40	16,26,26
529	ok,ok	0.0	0.32	4.0	4.0	0.0	0.09	0.02	0.10	0.02	2d8/25 L=40	26,26,26
	s=11,m=1	40.0	0.32	4.0	4.0	0.0	0.09	0.02	0.11	0.03	2d8/25 L=40	16,26,26
Trave			**%Af**	**Af inf.**	**Af. sup**	**Af long.**	**x/d**	**V N/M**	**V V/T cls**	**V V/T acc**		
			0.66	39.45	38.58	23.32	0.13	0.44	0.90	1.00		




Mappa
Rapporto x/d
Massimo 0.13
0.12
0.12
0.11
0.11
0.10
9.743e-02
9.192e-02
8.641e-02
8.090e-02
7.539e-02
6.988e-02
6.437e-02
5.887e-02
5.336e-02
Minimo 4.785e-02
Range
Default


Mappa
Verifica V/T cls
Massimo 0.90
0.84
0.78
0.72
0.66
0.61
0.55
0.49
0.43
0.37
0.31
0.25
0.19
0.13
7.514e-02
Minimo 1.621e-02
Range
Default


Mappa
Verifica V/T acciaio
Massimo 1.00
0.93
0.87
0.80
0.73
0.67
0.60
0.54
0.47
0.40
0.34
0.27
0.20
0.14
7.165e-02
Minimo 5.346e-03
Range
Default


Mappa
Verifica ali
Massimo 0.69
0.65
0.60
0.55
0.51
0.46
0.41
0.37
0.32
0.28
0.23
0.18
0.14
9.214e-02
4.607e-02
Minimo 0.0
Range
Default

STATI LIMITE D' ESERCIZIO

Legenda tabella stati limite d' esercizio

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [*normalizzato a 1*]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [*normalizzato a 1*]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [*normalizzato a 1*]
wR	apertura caratteristica delle fessure in combinazioni rare [*mm*]
wF	apertura caratteristica delle fessure in combinazioni frequenti [*mm*]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [*mm*]
dR	massima deformazione in combinazioni rare
dF	massima deformazione in combinazioni frequenti
dP	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
travi	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento
	wR	**wF**	**wP**	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
1	0.0	1.30e-03	5.43e-03	9.64e-04	85,85,92	0.0	0.0	0.0	0,0,0	-3.07e-04	-3.07e-04	-3.07e-04	79,86,91
	40.1	1.27e-04	1.68e-03	0.0	85,83,0	0.0	0.0	0.0	0,0,0				
2	0.0	1.71e-03	2.14e-03	4.28e-04	85,85,92	0.0	0.0	0.0	0,0,0	-5.54e-04	-3.94e-04	-3.30e-04	81,87,92
	41.5	7.69e-04	1.84e-03	1.03e-03	79,79,91	0.0	0.0	0.0	0,0,0				
3	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.73e-04	-8.74e-04	-8.34e-04	81,87,92
	40.1	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
4	0.0	2.05e-03	3.71e-03	6.72e-04	85,85,92	0.0	0.0	0.0	0,0,0	-4.33e-04	-2.69e-04	-2.03e-04	81,87,92
	41.5	5.24e-04	1.53e-03	6.98e-04	79,79,91	0.0	0.0	0.0	0,0,0				
5	0.0	8.50e-03	0.04	8.04e-03	85,83,92	0.0	0.0	0.0	0,0,0	2.08e-03	1.69e-03	1.53e-03	81,87,92
	46.7	4.20e-03	0.03	4.54e-03	82,83,92	0.0	0.0	0.0	0,0,0				
6	0.0	0.02	0.07	0.02	85,85,92	0.0	0.0	0.0	0,0,0	2.60e-03	2.20e-03	2.04e-03	81,87,92
	46.7	6.39e-03	0.05	7.31e-03	81,85,92	0.0	0.0	0.0	0,0,0				
7	0.0	5.37e-03	0.01	5.06e-03	85,85,92	0.0	0.0	0.0	0,0,0	-3.12e-03	-2.18e-03	-2.02e-03	85,90,92
	40.1	9.65e-04	9.87e-04	9.44e-04	85,85,92	0.0	0.0	0.0	0,0,0				
8	0.0	4.90e-03	0.06	5.96e-03	83,85,91	0.0	0.0	0.0	0,0,0	-0.01	-8.66e-03	-8.28e-03	83,88,91
	46.7	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
9	0.0	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.71e-03	1.84e-03	1.54e-03	81,87,92
	40.1	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
10	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	6.10e-03	5.36e-03	5.17e-03	83,88,91
	46.7	0.01	0.08	0.01	82,85,92	0.0	0.0	0.0	0,0,0				
11	0.0	0.0	0.18	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.55e-03	1.19e-03	1.13e-03	85,90,92
	40.1	0.0	0.17	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
12	0.0	0.11	0.16	0.12	85,85,92	0.0	0.0	0.0	0,0,0	0.05	0.05	0.05	81,87,92
	280.0	0.05	0.15	0.06	82,82,92	0.0	0.0	0.0	0,0,0				
	560.0	0.03	0.03	0.04	81,81,92	0.0	0.0	0.0	0,0,0				
13	0.0	0.05	0.06	0.06	82,82,92	0.0	0.0	0.0	0,0,0	0.05	0.05	0.05	81,87,92

	280.0	0.05	0.14	0.06	82,82,92	0.0	0.0	0.0	0,0,0				
	560.0	0.04	0.04	0.05	81,82,92	0.0	0.0	0.0	0,0,0				
14	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-6.88e-04	-5.84e-04	-5.53e-04	82,87,92
	40.1	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
15	0.0	0.01	0.04	0.01	85,81,92	0.0	0.0	0.0	0,0,0	2.21e-03	2.08e-03	2.03e-03	81,87,92
	40.1	4.35e-03	0.01	5.05e-03	83,81,91	0.0	0.0	0.0	0,0,0				
16	0.0	2.98e-04	3.64e-03	0.0	85,85,0	0.0	0.0	0.0	0,0,0	1.25e-04	1.25e-04	1.25e-04	79,86,91
	40.1	2.19e-04	3.26e-03	2.92e-04	79,85,91	0.0	0.0	0.0	0,0,0				
17	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-2.31e-03	-1.90e-03	-1.74e-03	81,87,92
	41.5	0.01	0.08	0.01	82,85,92	0.0	0.0	0.0	0,0,0				
18	0.0	3.72e-03	0.02	4.53e-03	83,81,91	0.0	0.0	0.0	0,0,0	1.72e-03	1.61e-03	1.56e-03	81,87,92
	40.1	7.50e-03	0.03	9.40e-03	83,82,91	0.0	0.0	0.0	0,0,0				
19	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	3.00e-03	2.59e-03	2.43e-03	81,87,92
	41.5	0.02	0.12	0.02	82,85,92	0.0	0.0	0.0	0,0,0				
20	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.40e-03	1.31e-03	1.26e-03	82,87,92
	40.1	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
21	0.0	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.05e-03	-9.25e-04	-8.86e-04	82,87,92
	40.1	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
22	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.54e-03	5.32e-03	4.83e-03	81,87,92
	41.5	0.01	0.06	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
23	0.0	1.48e-03	9.99e-03	1.59e-03	83,81,91	0.0	0.0	0.0	0,0,0	1.40e-03	1.31e-03	1.27e-03	81,87,92
	40.1	4.08e-03	0.02	4.95e-03	83,82,91	0.0	0.0	0.0	0,0,0				
24	0.0	7.14e-04	0.06	0.0	81,83,0	0.0	0.0	0.0	0,0,0	4.81e-03	3.99e-03	3.67e-03	81,87,92
	41.5	0.02	0.10	0.03	82,85,92	0.0	0.0	0.0	0,0,0				
25	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-3.26e-03	-3.00e-03	-2.90e-03	82,87,92
	40.1	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
26	0.0	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-8.52e-04	-7.77e-04	-7.49e-04	82,87,92
	40.1	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
27	0.0	0.0	3.20e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.24e-04	-1.24e-04	-1.24e-04	79,86,91
	40.1	9.18e-04	6.75e-03	1.22e-03	79,85,91	0.0	0.0	0.0	0,0,0				
28	0.0	2.19e-04	0.03	0.0	81,85,0	0.0	0.0	0.0	0,0,0	6.54e-03	5.32e-03	4.83e-03	81,87,92
	41.5	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
29	0.0	0.0	9.67e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.19e-03	1.12e-03	1.09e-03	81,87,92
	40.1	1.68e-03	0.01	1.77e-03	83,82,91	0.0	0.0	0.0	0,0,0				
30	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.81e-03	3.99e-03	3.67e-03	81,87,92
	41.5	6.54e-04	0.06	0.0	81,83,0	0.0	0.0	0.0	0,0,0				
31	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	2.90e-03	2.50e-03	2.41e-03	82,87,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
32	0.0	0.0	0.10	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-4.19e-03	-3.88e-03	-3.14e-03	82,87,92
	40.1	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
33	0.0	0.0	6.42e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	3.35e-04	3.35e-04	3.35e-04	79,86,91
	40.1	1.59e-03	0.01	2.11e-03	79,85,91	0.0	0.0	0.0	0,0,0				
34	0.0	1.70e-03	0.03	0.0	81,85,0	0.0	0.0	0.0	0,0,0	6.54e-03	5.32e-03	4.83e-03	81,87,92
	41.5	1.86e-05	0.03	0.0	81,85,0	0.0	0.0	0.0	0,0,0				
35	0.0	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-9.25e-04	-9.24e-04	-9.14e-04	81,87,92
	40.1	0.0	9.86e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
36	0.0	2.94e-03	0.04	1.52e-03	81,85,92	0.0	0.0	0.0	0,0,0	4.81e-03	3.99e-03	3.67e-03	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
37	0.0	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-2.82e-03	-2.49e-03	-2.39e-03	82,87,92
	40.1	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
38	0.0	0.0	0.11	0.0	0,82,0	0.0	0.0	0.0	0,0,0	2.73e-03	2.41e-03	2.30e-03	82,87,92
	40.1	0.0	0.10	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
39	0.0	1.75e-04	0.01	2.34e-04	79,85,91	0.0	0.0	0.0	0,0,0	3.70e-04	3.70e-04	3.70e-04	79,86,91
	40.1	1.89e-03	0.01	2.53e-03	79,85,91	0.0	0.0	0.0	0,0,0				
40	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.68e-03	1.24e-03	1.07e-03	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
41	0.0	5.37e-04	0.02	4.04e-04	83,81,91	0.0	0.0	0.0	0,0,0	5.28e-04	4.81e-04	4.62e-04	81,87,92
	40.1	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
42	0.0	3.63e-03	0.05	2.06e-03	81,85,92	0.0	0.0	0.0	0,0,0	4.81e-03	3.99e-03	3.67e-03	81,87,92
	41.5	2.87e-03	0.04	1.37e-03	81,85,92	0.0	0.0	0.0	0,0,0				
43	0.0	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-2.70e-03	-2.37e-03	-2.27e-03	82,87,92
	40.1	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
44	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-2.24e-03	-1.97e-03	-1.88e-03	82,87,92
	40.1	0.0	0.11	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
45	0.0	4.16e-04	0.01	5.55e-04	79,85,91	0.0	0.0	0.0	0,0,0	-4.31e-04	-4.31e-04	-4.31e-04	79,86,91
	40.1	1.15e-03	0.02	1.54e-03	79,85,91	0.0	0.0	0.0	0,0,0				
46	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.60e-03	1.13e-03	9.40e-04	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
47	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	5.30e-04	4.81e-04	4.61e-04	81,87,92
	40.1	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
48	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	2.02e-03	1.63e-03	1.48e-03	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
49	0.0	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-2.57e-03	-2.24e-03	-2.15e-03	82,87,92
	40.1	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
50	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.98e-03	-1.73e-03	-1.65e-03	82,87,92
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
51	0.0	5.25e-04	0.02	7.01e-04	79,85,91	0.0	0.0	0.0	0,0,0	5.35e-04	5.35e-04	5.35e-04	79,86,91
	40.1	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
52	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.49e-03	9.94e-04	7.83e-04	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
53	0.0	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0	5.35e-04	4.84e-04	4.63e-04	81,87,92
	40.1	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
54	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.87e-03	1.32e-03	1.32e-03	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
55	0.0	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-2.42e-03	-2.10e-03	-2.02e-03	82,87,92
	40.1	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
56	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.75e-03	1.52e-03	1.45e-03	82,87,92
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
57	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	3.68e-04	3.68e-04	3.68e-04	79,86,91
	40.1	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
58	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.30e-03	6.44e-04	5.46e-04	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
59	0.0	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0	5.40e-04	4.88e-04	4.66e-04	81,87,92
	40.1	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
60	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.64e-03	-1.29e-03	-1.13e-03	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
61	0.0	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-2.25e-03	-1.95e-03	-1.86e-03	82,87,92
	40.1	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
62	0.0	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.55e-03	1.33e-03	1.26e-03	82,87,92
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
63	0.0	2.50e-03	0.03	3.03e-03	83,85,91	0.0	0.0	0.0	0,0,0	2.48e-03	-1.78e-03	-1.86e-03	85,86,91

	40.1	6.03e-03	0.04	7.56e-03	83,85,91	0.0	0.0	0.0	0,0,0				
64	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.55e-04	6.05e-04	5.44e-04	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
65	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	5.46e-04	4.92e-04	4.70e-04	81,87,92
	40.1	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
66	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.43e-03	-9.33e-04	-7.23e-04	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
67	0.0	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-2.06e-03	-1.77e-03	-1.69e-03	82,87,92
	40.1	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
68	0.0	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.35e-03	1.15e-03	1.09e-03	82,87,92
	40.1	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
69	0.0	6.06e-03	0.04	7.58e-03	83,85,91	0.0	0.0	0.0	0,0,0	2.48e-03	-1.78e-03	-1.86e-03	85,90,92
	40.1	7.07e-03	0.04	9.43e-03	79,85,91	0.0	0.0	0.0	0,0,0				
70	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.54e-04	-6.06e-04	-5.47e-04	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
71	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	5.52e-04	4.97e-04	4.75e-04	81,87,92
	40.1	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
72	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.42e-04	6.99e-04	6.42e-04	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
73	0.0	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.85e-03	-1.58e-03	-1.50e-03	82,87,92
	40.1	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
74	0.0	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.17e-03	9.75e-04	9.13e-04	82,87,92
	40.1	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
75	0.0	7.09e-03	0.04	9.45e-03	79,85,91	0.0	0.0	0.0	0,0,0	2.48e-03	-1.78e-03	-1.86e-03	85,90,92
	40.1	6.56e-03	0.04	8.75e-03	79,85,91	0.0	0.0	0.0	0,0,0				
76	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.55e-04	-6.10e-04	-5.52e-04	81,87,92
	41.5	7.43e-04	0.03	0.0	81,83,0	0.0	0.0	0.0	0,0,0				
77	0.0	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0	5.58e-04	5.02e-04	4.80e-04	81,87,92
	40.1	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
78	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.41e-04	7.00e-04	6.44e-04	81,87,92
	41.5	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
79	0.0	0.0	0.10	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.64e-03	1.38e-03	1.31e-03	82,87,92
	40.1	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
80	0.0	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-9.82e-04	-8.02e-04	-7.43e-04	82,87,92
	40.1	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
81	0.0	6.57e-03	0.04	8.76e-03	79,85,91	0.0	0.0	0.0	0,0,0	2.48e-03	-1.78e-03	-1.86e-03	85,90,92
	40.1	4.11e-03	0.03	5.48e-03	79,85,91	0.0	0.0	0.0	0,0,0				
82	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.57e-04	6.14e-04	5.57e-04	81,87,92
	41.5	1.18e-03	0.02	0.0	81,83,0	0.0	0.0	0.0	0,0,0				
83	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.62e-04	5.05e-04	4.83e-04	81,87,92
	40.1	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
84	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.43e-04	7.05e-04	6.49e-04	81,87,92
	41.5	5.76e-04	0.03	0.0	81,83,0	0.0	0.0	0.0	0,0,0				
85	0.0	0.0	0.10	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.45e-03	1.20e-03	1.14e-03	82,87,92
	40.1	0.0	0.10	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
86	0.0	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-7.97e-04	-6.29e-04	-5.73e-04	82,87,92
	40.1	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
87	0.0	4.12e-03	0.03	5.49e-03	79,85,91	0.0	0.0	0.0	0,0,0	2.48e-03	-1.78e-03	-1.86e-03	85,90,92
	40.1	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
88	0.0	1.67e-04	0.02	0.0	81,83,0	0.0	0.0	0.0	0,0,0	-7.58e-04	-6.17e-04	-5.61e-04	81,87,92
	41.5	1.34e-03	0.02	3.33e-04	81,83,92	0.0	0.0	0.0	0,0,0				
89	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-5.60e-04	-5.04e-04	-4.82e-04	81,87,92
	40.1	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
90	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.47e-04	-7.10e-04	-6.55e-04	81,87,92
	41.5	1.32e-03	0.03	6.55e-05	81,83,92	0.0	0.0	0.0	0,0,0				
91	0.0	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.30e-03	-1.06e-03	-9.93e-04	82,87,92
	40.1	0.0	0.10	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
92	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	6.11e-04	4.56e-04	4.04e-04	82,87,92
	40.1	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
93	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.48e-03	-1.78e-03	-1.86e-03	85,90,92
	40.1	0.02	0.06	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
94	0.0	4.15e-04	0.02	0.0	81,83,0	0.0	0.0	0.0	0,0,0	-7.58e-04	-6.19e-04	-5.63e-04	81,87,92
	41.5	1.22e-03	0.02	7.28e-04	81,83,92	0.0	0.0	0.0	0,0,0				
95	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.56e-04	5.01e-04	4.79e-04	81,87,92
	40.1	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
96	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.50e-04	7.14e-04	6.60e-04	81,87,92
	41.5	1.64e-03	0.03	8.78e-04	81,83,92	0.0	0.0	0.0	0,0,0				
97	0.0	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.27e-03	-1.02e-03	-9.48e-04	82,87,92
	40.1	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
98	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	4.23e-04	2.81e-04	2.33e-04	82,87,92
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
99	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.83e-03	2.00e-03	1.80e-03	85,90,92
	40.1	3.69e-03	0.07	4.92e-03	79,85,91	0.0	0.0	0.0	0,0,0				
100	0.0	6.47e-04	0.01	0.0	81,83,0	0.0	0.0	0.0	0,0,0	7.56e-04	6.19e-04	5.64e-04	81,87,92
	41.5	1.23e-03	0.02	9.78e-04	82,83,92	0.0	0.0	0.0	0,0,0				
101	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.53e-04	4.98e-04	4.76e-04	81,87,92
	40.1	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
102	0.0	4.84e-04	0.02	0.0	81,83,0	0.0	0.0	0.0	0,0,0	8.50e-04	7.17e-04	6.63e-04	81,87,92
	41.5	1.60e-03	0.02	1.38e-03	81,83,92	0.0	0.0	0.0	0,0,0				
103	0.0	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.46e-03	-1.21e-03	-1.13e-03	82,87,92
	40.1	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
104	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-2.32e-04	-1.05e-04	-6.15e-05	82,87,92
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
105	0.0	8.92e-04	0.07	1.19e-03	79,85,91	0.0	0.0	0.0	0,0,0	2.26e-03	1.60e-03	1.44e-03	85,90,92
	40.1	5.47e-03	0.08	7.13e-03	83,85,91	0.0	0.0	0.0	0,0,0				
106	0.0	8.63e-04	0.01	0.0	81,83,0	0.0	0.0	0.0	0,0,0	7.52e-04	6.17e-04	5.63e-04	81,87,92
	41.5	1.12e-03	0.01	1.11e-03	81,83,92	0.0	0.0	0.0	0,0,0				
107	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-5.49e-04	-4.95e-04	-4.73e-04	81,87,92
	40.1	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
108	0.0	8.04e-04	0.02	0.0	81,83,0	0.0	0.0	0.0	0,0,0	-8.49e-04	-7.17e-04	-6.64e-04	81,87,92
	41.5	1.48e-03	0.02	1.63e-03	82,83,92	0.0	0.0	0.0	0,0,0				
109	0.0	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-3.41e-04	-2.88e-04	-2.70e-04	82,87,92
	40.1	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
110	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.66e-04	-1.66e-04	-1.66e-04	79,86,91
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
111	0.0	3.05e-03	0.08	4.07e-03	79,85,91	0.0	0.0	0.0	0,0,0	1.89e-03	-1.33e-03	-1.20e-03	85,90,92
	40.1	3.13e-03	0.08	4.17e-03	79,85,91	0.0	0.0	0.0	0,0,0				
112	0.0	1.06e-03	9.46e-03	2.21e-04	81,83,92	0.0	0.0	0.0	0,0,0	-7.47e-04	-6.14e-04	-5.61e-04	81,87,92
	41.5	1.10e-03	0.01	1.10e-03	81,83,92	0.0	0.0	0.0	0,0,0				
113	0.0	1.11e-03	0.01	4.72e-04	81,83,92	0.0	0.0	0.0	0,0,0	-8.45e-04	-7.15e-04	-6.63e-04	81,87,92
	41.5	1.41e-03	0.02	1.62e-03	81,83,92	0.0	0.0	0.0	0,0,0				

114	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	3.23e-04	3.23e-04	3.23e-04	79,86,91
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
115	0.0	3.03e-03	0.07	4.05e-03	79,85,91	0.0	0.0	0.0	0,0,0	1.57e-03	1.09e-03	9.80e-04	85,90,92
	40.1	2.87e-04	0.07	3.83e-04	79,85,91	0.0	0.0	0.0	0,0,0				
116	0.0	1.22e-03	7.55e-03	4.10e-04	81,83,92	0.0	0.0	0.0	0,0,0	-2.34e-03	-6.10e-04	-5.58e-04	81,87,92
	41.5	1.08e-03	9.90e-03	9.19e-04	81,83,92	0.0	0.0	0.0	0,0,0				
117	0.0	1.39e-03	9.47e-03	7.91e-04	81,83,92	0.0	0.0	0.0	0,0,0	2.67e-03	7.11e-04	6.59e-04	81,87,92
	41.5	1.40e-03	0.01	1.36e-03	81,83,91	0.0	0.0	0.0	0,0,0				
118	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-4.73e-04	-4.73e-04	-4.73e-04	79,86,91
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
119	0.0	2.26e-03	0.07	3.01e-03	79,85,91	0.0	0.0	0.0	0,0,0	-1.32e-03	8.98e-04	8.02e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
120	0.0	1.36e-03	5.81e-03	5.61e-04	81,83,92	0.0	0.0	0.0	0,0,0	2.36e-03	6.05e-04	5.53e-04	81,87,92
	41.5	1.06e-03	7.98e-03	8.45e-04	81,83,92	0.0	0.0	0.0	0,0,0				
121	0.0	1.64e-03	6.74e-03	1.07e-03	81,83,92	0.0	0.0	0.0	0,0,0	-2.69e-03	-2.07e-03	-6.54e-04	81,87,92
	41.5	1.39e-03	9.93e-03	1.32e-03	81,83,92	0.0	0.0	0.0	0,0,0				
122	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-6.17e-04	-6.17e-04	-6.17e-04	79,86,91
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
123	0.0	1.28e-03	0.06	1.71e-03	79,85,91	0.0	0.0	0.0	0,0,0	-1.15e-03	-7.57e-04	-6.69e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
124	0.0	1.47e-03	4.27e-03	6.87e-04	81,83,92	0.0	0.0	0.0	0,0,0	2.35e-03	5.99e-04	5.48e-04	81,87,92
	41.5	1.13e-03	6.23e-03	8.17e-04	81,83,92	0.0	0.0	0.0	0,0,0				
125	0.0	1.86e-03	4.22e-03	1.33e-03	81,83,92	0.0	0.0	0.0	0,0,0	2.71e-03	2.12e-03	1.90e-03	81,87,92
	41.5	1.38e-03	7.19e-03	1.31e-03	81,83,92	0.0	0.0	0.0	0,0,0				
126	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-7.61e-04	-7.61e-04	-7.61e-04	79,86,91
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
127	0.0	2.48e-04	0.06	3.31e-04	79,85,91	0.0	0.0	0.0	0,0,0	1.06e-03	6.70e-04	5.86e-04	85,90,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
128	0.0	1.56e-03	2.87e-03	7.99e-04	81,83,92	0.0	0.0	0.0	0,0,0	-2.37e-03	-1.76e-03	-5.43e-04	81,87,92
	41.5	1.27e-03	4.67e-03	8.04e-04	81,83,92	0.0	0.0	0.0	0,0,0				
129	0.0	2.04e-03	2.19e-03	1.55e-03	81,83,92	0.0	0.0	0.0	0,0,0	2.69e-03	2.15e-03	1.91e-03	81,87,92
	41.5	1.53e-03	4.66e-03	1.30e-03	81,83,92	0.0	0.0	0.0	0,0,0				
130	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-9.11e-04	-9.11e-04	-9.11e-04	79,86,91
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
131	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.08e-03	6.50e-04	5.58e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
132	0.0	1.62e-03	1.66e-03	8.82e-04	81,83,92	0.0	0.0	0.0	0,0,0	-2.36e-03	-1.77e-03	-5.37e-04	81,87,92
	41.5	1.38e-03	3.27e-03	7.80e-04	81,83,92	0.0	0.0	0.0	0,0,0				
133	0.0	2.19e-03	2.17e-03	1.74e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.71e-03	2.16e-03	1.95e-03	81,87,92
	41.5	1.75e-03	2.38e-03	1.30e-03	81,83,92	0.0	0.0	0.0	0,0,0				
134	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.09e-03	1.09e-03	1.08e-03	82,87,92
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
135	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.32e-03	-7.43e-04	-6.20e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
136	0.0	1.67e-03	1.67e-03	9.46e-04	81,81,92	0.0	0.0	0.0	0,0,0	-2.36e-03	-1.78e-03	-5.30e-04	81,87,92
	41.5	1.47e-03	2.05e-03	7.66e-04	81,83,92	0.0	0.0	0.0	0,0,0				
137	0.0	2.31e-03	2.30e-03	1.90e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.71e-03	2.18e-03	1.95e-03	81,87,92
	41.5	1.93e-03	1.96e-03	1.42e-03	81,81,92	0.0	0.0	0.0	0,0,0				
138	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.33e-03	1.30e-03	1.29e-03	82,87,92
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
139	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-2.80e-04	-1.81e-04	-1.59e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
140	0.0	1.69e-03	1.69e-03	9.86e-04	81,81,92	0.0	0.0	0.0	0,0,0	-2.34e-03	1.78e-03	5.24e-04	81,87,92
	41.5	1.54e-03	1.56e-03	7.74e-04	81,81,92	0.0	0.0	0.0	0,0,0				
141	0.0	2.40e-03	2.39e-03	2.03e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.70e-03	-2.18e-03	-1.97e-03	81,87,92
	41.5	2.09e-03	2.12e-03	1.61e-03	81,81,92	0.0	0.0	0.0	0,0,0				
142	0.0	0.0	0.11	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.60e-03	-1.55e-03	-1.53e-03	82,87,92
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
143	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-2.80e-04	-1.82e-04	-1.60e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
144	0.0	1.70e-03	1.70e-03	1.01e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.33e-03	1.77e-03	5.17e-04	81,87,92
	41.5	1.59e-03	1.61e-03	8.41e-04	81,81,92	0.0	0.0	0.0	0,0,0				
145	0.0	2.47e-03	2.47e-03	2.13e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.69e-03	2.18e-03	1.97e-03	81,87,92
	41.5	2.22e-03	2.24e-03	1.78e-03	81,81,92	0.0	0.0	0.0	0,0,0				
146	0.0	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.93e-03	-1.86e-03	-1.83e-03	82,87,92
	40.1	0.0	0.11	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
147	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.85e-04	1.87e-04	1.65e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
148	0.0	1.68e-03	1.69e-03	1.01e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.32e-03	1.77e-03	5.11e-04	81,87,92
	41.5	1.62e-03	1.64e-03	8.88e-04	81,81,92	0.0	0.0	0.0	0,0,0				
149	0.0	2.51e-03	2.51e-03	2.19e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.67e-03	2.17e-03	1.97e-03	81,87,92
	41.5	2.32e-03	2.34e-03	1.91e-03	81,81,92	0.0	0.0	0.0	0,0,0				
150	0.0	0.0	0.09	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-3.22e-03	-3.16e-03	-3.12e-03	82,87,92
	40.1	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
151	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.91e-04	1.94e-04	1.72e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
152	0.0	1.65e-03	1.66e-03	9.89e-04	81,81,92	0.0	0.0	0.0	0,0,0	-2.30e-03	-1.76e-03	-5.05e-04	81,87,92
	41.5	1.63e-03	1.64e-03	9.11e-04	81,81,92	0.0	0.0	0.0	0,0,0				
153	0.0	2.53e-03	2.53e-03	2.23e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.65e-03	2.16e-03	1.97e-03	81,87,92
	41.5	2.39e-03	2.41e-03	2.01e-03	81,81,92	0.0	0.0	0.0	0,0,0				
154	0.0	0.0	0.06	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.94e-03	-2.89e-03	-2.85e-03	82,87,92
	40.1	0.0	0.09	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
155	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.96e-04	2.00e-04	1.78e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
156	0.0	1.61e-03	1.62e-03	9.56e-04	81,81,92	0.0	0.0	0.0	0,0,0	-2.29e-03	-1.75e-03	-4.99e-04	81,87,92
	41.5	1.62e-03	1.63e-03	9.16e-04	81,81,92	0.0	0.0	0.0	0,0,0				
157	0.0	2.52e-03	2.53e-03	2.24e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.64e-03	2.15e-03	1.96e-03	81,87,92
	41.5	2.44e-03	2.45e-03	2.09e-03	81,81,92	0.0	0.0	0.0	0,0,0				
158	0.0	0.0	0.05	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.94e-03	-2.89e-03	-2.85e-03	85,87,92
	40.1	0.0	0.06	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
159	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.98e-04	2.04e-04	1.83e-04	85,90,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
160	0.0	1.55e-03	1.56e-03	9.04e-04	82,81,92	0.0	0.0	0.0	0,0,0	2.28e-03	5.35e-04	4.93e-04	81,87,92
	41.5	1.60e-03	1.61e-03	9.03e-04	81,81,92	0.0	0.0	0.0	0,0,0				
161	0.0	2.49e-03	2.50e-03	2.22e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.63e-03	2.15e-03	1.95e-03	81,87,92
	41.5	2.46e-03	2.47e-03	2.13e-03	81,81,92	0.0	0.0	0.0	0,0,0				
162	0.0	0.0	0.06	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.94e-03	-2.89e-03	-2.85e-03	85,90,92
	40.1	0.0	0.05	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
163	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.97e-04	2.07e-04	1.86e-04	85,90,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
164	0.0	1.49e-03	1.51e-03	8.35e-04	82,82,92	0.0	0.0	0.0	0,0,0	2.27e-03	5.29e-04	4.87e-04	81,87,92

	41.5	1.56e-03	1.57e-03	8.74e-04	81,81,92	0.0	0.0	0.0	0,0,0				
165	0.0	2.43e-03	2.45e-03	2.18e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.62e-03	2.14e-03	1.95e-03	81,87,92
	41.5	2.46e-03	2.47e-03	2.15e-03	81,81,92	0.0	0.0	0.0	0,0,0				
166	0.0	0.0	0.07	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.94e-03	-2.89e-03	-2.85e-03	83,88,91
	40.1	0.0	0.06	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
167	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.90e-04	2.06e-04	1.86e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
168	0.0	1.42e-03	1.44e-03	7.50e-04	82,82,92	0.0	0.0	0.0	0,0,0	-2.26e-03	-5.23e-04	-4.83e-04	81,87,92
	41.5	1.50e-03	1.51e-03	8.25e-04	81,81,92	0.0	0.0	0.0	0,0,0				
169	0.0	2.36e-03	2.38e-03	2.11e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.63e-03	-2.15e-03	-1.96e-03	81,87,92
	41.5	2.43e-03	2.44e-03	2.14e-03	81,81,92	0.0	0.0	0.0	0,0,0				
170	0.0	0.0	0.09	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.25e-04	-1.26e-04	-1.30e-04	83,88,91
	40.1	0.0	0.08	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
171	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.69e-03	2.02e-04	1.84e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
172	0.0	1.33e-03	1.35e-03	7.62e-04	82,82,92	0.0	0.0	0.0	0,0,0	-6.18e-04	-5.18e-04	-4.78e-04	81,87,92
	41.5	1.43e-03	1.44e-03	7.59e-04	82,82,92	0.0	0.0	0.0	0,0,0				
173	0.0	2.26e-03	2.28e-03	2.01e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.65e-03	2.18e-03	1.98e-03	81,87,92
	41.5	2.38e-03	2.39e-03	2.10e-03	81,81,92	0.0	0.0	0.0	0,0,0				
174	0.0	0.0	0.10	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-5.23e-04	-4.91e-04	-4.84e-04	83,88,91
	40.1	0.0	0.09	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
175	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.46e-03	1.95e-04	1.79e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
176	0.0	1.23e-03	1.25e-03	8.08e-04	82,82,92	0.0	0.0	0.0	0,0,0	-6.12e-04	-5.14e-04	-4.75e-04	81,87,92
	41.5	1.36e-03	1.37e-03	6.73e-04	82,82,92	0.0	0.0	0.0	0,0,0				
177	0.0	2.13e-03	2.16e-03	1.88e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.70e-03	2.22e-03	5.31e-04	81,87,92
	41.5	2.30e-03	2.32e-03	2.03e-03	81,81,92	0.0	0.0	0.0	0,0,0				
178	0.0	0.0	0.10	0.0	0,81,0	0.0	0.0	0.0	0,0,0	6.30e-04	6.16e-04	6.13e-04	83,88,91
	40.1	0.0	0.10	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
179	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.32e-03	-1.87e-04	-1.73e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
180	0.0	1.10e-03	1.13e-03	8.63e-04	82,82,92	0.0	0.0	0.0	0,0,0	6.07e-04	5.10e-04	4.72e-04	81,87,92
	41.5	1.27e-03	1.28e-03	5.70e-04	82,82,92	0.0	0.0	0.0	0,0,0				
181	0.0	1.99e-03	2.02e-03	1.73e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.82e-03	-5.64e-04	-5.26e-04	81,87,92
	41.5	2.20e-03	2.22e-03	1.93e-03	81,81,92	0.0	0.0	0.0	0,0,0				
182	0.0	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0	8.08e-04	8.01e-04	7.99e-04	81,87,92
	40.1	0.0	0.10	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
183	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.22e-03	-1.78e-04	-1.66e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
184	0.0	1.12e-03	1.14e-03	9.34e-04	81,82,92	0.0	0.0	0.0	0,0,0	-6.03e-04	-5.08e-04	-4.70e-04	81,87,92
	41.5	1.16e-03	1.18e-03	4.89e-04	82,82,92	0.0	0.0	0.0	0,0,0				
185	0.0	1.82e-03	1.87e-03	1.62e-03	81,81,92	0.0	0.0	0.0	0,0,0	-6.54e-04	-5.59e-04	-5.21e-04	81,87,92
	41.5	2.08e-03	2.09e-03	1.80e-03	81,81,92	0.0	0.0	0.0	0,0,0				
186	0.0	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.06e-03	1.03e-03	1.02e-03	81,87,92
	40.1	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
187	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.15e-03	-1.69e-04	-1.59e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
188	0.0	1.17e-03	1.19e-03	1.00e-03	82,82,92	0.0	0.0	0.0	0,0,0	-6.01e-04	-5.07e-04	-4.70e-04	81,87,92
	41.5	1.03e-03	1.05e-03	5.15e-04	82,82,92	0.0	0.0	0.0	0,0,0				
189	0.0	1.70e-03	1.74e-03	1.75e-03	81,81,92	0.0	0.0	0.0	0,0,0	-6.49e-04	-5.56e-04	-5.19e-04	81,87,92
	41.5	1.93e-03	1.95e-03	1.64e-03	81,81,92	0.0	0.0	0.0	0,0,0				
190	0.0	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.32e-03	1.27e-03	1.25e-03	81,87,92
	40.1	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
191	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.13e-03	-1.61e-04	-1.53e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
192	0.0	1.26e-03	1.75e-03	1.13e-03	82,79,92	0.0	0.0	0.0	0,0,0	6.01e-04	5.08e-04	4.71e-04	81,87,92
	41.5	8.88e-04	1.01e-03	5.50e-04	82,79,92	0.0	0.0	0.0	0,0,0				
193	0.0	1.79e-03	1.82e-03	1.88e-03	81,81,92	0.0	0.0	0.0	0,0,0	-6.47e-04	-5.55e-04	-5.18e-04	81,87,92
	41.5	1.76e-03	1.78e-03	1.45e-03	81,81,92	0.0	0.0	0.0	0,0,0				
194	0.0	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.58e-03	1.51e-03	1.48e-03	81,87,92
	40.1	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
195	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.17e-03	1.55e-04	1.49e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
196	0.0	1.34e-03	2.71e-03	1.39e-03	82,79,92	0.0	0.0	0.0	0,0,0	6.02e-04	5.11e-04	4.75e-04	81,87,92
	41.5	7.83e-04	1.92e-03	6.37e-04	82,79,92	0.0	0.0	0.0	0,0,0				
197	0.0	1.88e-03	1.90e-03	2.03e-03	81,81,92	0.0	0.0	0.0	0,0,0	-6.48e-04	-5.57e-04	-5.20e-04	81,87,92
	41.5	1.57e-03	1.60e-03	1.37e-03	81,81,92	0.0	0.0	0.0	0,0,0				
198	0.0	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.84e-03	1.75e-03	1.71e-03	81,87,92
	40.1	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
199	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.34e-03	-1.51e-04	-1.47e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
200	0.0	1.44e-03	3.70e-03	1.65e-03	82,79,92	0.0	0.0	0.0	0,0,0	6.07e-04	5.17e-04	4.81e-04	81,87,92
	41.5	8.89e-04	2.90e-03	9.03e-04	85,79,92	0.0	0.0	0.0	0,0,0				
201	0.0	1.96e-03	1.97e-03	2.17e-03	81,82,92	0.0	0.0	0.0	0,0,0	6.51e-04	5.61e-04	5.25e-04	81,87,92
	41.5	1.42e-03	1.46e-03	1.55e-03	82,82,92	0.0	0.0	0.0	0,0,0				
202	0.0	0.0	0.10	0.0	0,81,0	0.0	0.0	0.0	0,0,0	2.11e-03	2.00e-03	1.95e-03	81,87,92
	40.1	0.0	0.11	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
203	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.64e-04	-1.50e-04	-1.47e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
204	0.0	1.55e-03	4.65e-03	1.89e-03	82,79,92	0.0	0.0	0.0	0,0,0	6.14e-04	1.12e-03	1.12e-03	81,87,92
	41.5	1.06e-03	3.90e-03	1.18e-03	83,79,92	0.0	0.0	0.0	0,0,0				
205	0.0	2.03e-03	2.04e-03	2.29e-03	82,82,92	0.0	0.0	0.0	0,0,0	6.58e-04	5.69e-04	7.17e-04	81,87,92
	41.5	1.62e-03	1.63e-03	1.79e-03	85,85,92	0.0	0.0	0.0	0,0,0				
206	0.0	0.0	0.10	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.38e-03	-2.25e-03	-2.19e-03	81,87,92
	40.1	0.0	0.10	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
207	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.60e-04	1.51e-04	1.49e-04	85,90,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
208	0.0	1.65e-03	5.45e-03	2.09e-03	82,79,92	0.0	0.0	0.0	0,0,0	-1.22e-03	-1.19e-03	-1.16e-03	81,87,92
	41.5	1.38e-03	4.87e-03	1.53e-03	83,79,92	0.0	0.0	0.0	0,0,0				
209	0.0	2.04e-03	2.05e-03	2.35e-03	82,82,92	0.0	0.0	0.0	0,0,0	6.67e-04	8.43e-04	8.74e-04	81,87,92
	41.5	1.89e-03	1.89e-03	2.12e-03	85,85,92	0.0	0.0	0.0	0,0,0				
210	0.0	0.0	0.09	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.65e-03	2.49e-03	2.43e-03	81,87,92
	40.1	0.0	0.10	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
211	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.60e-04	1.55e-04	1.54e-04	83,88,91
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
212	0.0	1.81e-03	5.94e-03	2.25e-03	83,79,92	0.0	0.0	0.0	0,0,0	1.31e-03	1.24e-03	1.20e-03	81,87,92
	41.5	1.78e-03	5.69e-03	1.98e-03	83,79,92	0.0	0.0	0.0	0,0,0				
213	0.0	1.95e-03	1.96e-03	2.29e-03	82,82,92	0.0	0.0	0.0	0,0,0	-7.94e-04	-9.36e-04	-9.53e-04	81,87,92
	41.5	2.21e-03	2.20e-03	2.50e-03	85,85,92	0.0	0.0	0.0	0,0,0				
214	0.0	0.0	0.08	0.0	0,81,0	0.0	0.0	0.0	0,0,0	2.87e-03	2.69e-03	2.62e-03	81,87,92
	40.1	0.0	0.09	0.0	0,81,0	0.0	0.0	0.0	0,0,0				

215	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.62e-04	-1.60e-04	-1.60e-04	83,88,91
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
216	0.0	1.92e-03	5.86e-03	2.32e-03	83,79,92	0.0	0.0	0.0	0,0,0	-1.37e-03	-1.29e-03	-1.24e-03	81,87,92
	41.5	2.27e-03	6.22e-03	2.55e-03	83,79,92	0.0	0.0	0.0	0,0,0				
217	0.0	1.71e-03	1.73e-03	2.00e-03	85,85,92	0.0	0.0	0.0	0,0,0	-7.49e-04	-9.40e-04	-9.67e-04	81,87,92
	41.5	2.57e-03	2.55e-03	2.94e-03	85,85,92	0.0	0.0	0.0	0,0,0				
218	0.0	0.0	0.07	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-3.05e-03	-2.86e-03	-2.78e-03	81,87,92
	40.1	0.0	0.08	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
219	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.66e-04	-1.66e-04	-1.66e-04	79,86,91
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
220	0.0	1.80e-03	4.85e-03	2.16e-03	83,79,92	0.0	0.0	0.0	0,0,0	-1.40e-03	-1.32e-03	-1.27e-03	81,87,92
	41.5	2.82e-03	6.22e-03	3.19e-03	83,79,92	0.0	0.0	0.0	0,0,0				
221	0.0	1.61e-03	1.64e-03	1.38e-03	82,82,91	0.0	0.0	0.0	0,0,0	7.00e-04	8.30e-04	8.48e-04	81,87,92
	41.5	2.92e-03	2.87e-03	3.34e-03	83,83,91	0.0	0.0	0.0	0,0,0				
222	0.0	0.0	0.06	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-3.26e-03	-3.05e-03	-2.96e-03	81,87,92
	40.1	7.72e-04	0.07	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
223	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.72e-04	-1.72e-04	-1.72e-04	79,86,91
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
224	0.0	1.21e-03	2.38e-03	1.59e-03	80,79,91	0.0	0.0	0.0	0,0,0	-1.36e-03	-1.32e-03	-1.29e-03	81,87,92
	41.5	3.28e-03	5.35e-03	3.88e-03	83,79,91	0.0	0.0	0.0	0,0,0				
225	0.0	2.42e-03	2.39e-03	2.32e-03	82,82,92	0.0	0.0	0.0	0,0,0	7.03e-04	6.27e-04	5.97e-04	81,87,92
	41.5	3.12e-03	3.09e-03	3.56e-03	83,83,91	0.0	0.0	0.0	0,0,0				
226	0.0	0.0	0.05	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-3.59e-03	-3.34e-03	-3.24e-03	81,87,92
	40.1	1.35e-03	0.06	5.55e-04	83,81,91	0.0	0.0	0.0	0,0,0				
227	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.76e-04	-1.76e-04	-1.76e-04	79,86,91
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
228	0.0	1.24e-03	1.23e-03	6.06e-04	85,85,92	0.0	0.0	0.0	0,0,0	7.05e-04	1.22e-03	1.22e-03	81,87,92
	41.5	3.30e-03	3.19e-03	4.16e-03	83,83,91	0.0	0.0	0.0	0,0,0				
229	0.0	4.28e-03	4.13e-03	4.66e-03	85,83,92	0.0	0.0	0.0	0,0,0	-1.86e-03	-1.64e-03	-1.56e-03	81,87,92
	41.5	2.07e-03	2.10e-03	1.91e-03	82,82,91	0.0	0.0	0.0	0,0,0				
230	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	4.33e-03	3.80e-03	3.71e-03	81,87,92
	40.1	1.94e-03	0.05	1.46e-03	83,81,91	0.0	0.0	0.0	0,0,0				
231	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.78e-04	-1.78e-04	-1.78e-04	79,86,91
	40.1	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
232	0.0	3.33e-03	4.88e-03	3.14e-03	85,83,92	0.0	0.0	0.0	0,0,0	1.78e-03	1.56e-03	1.47e-03	81,87,92
	41.5	1.64e-03	1.63e-03	1.88e-03	83,83,91	0.0	0.0	0.0	0,0,0				
233	0.0	7.28e-03	9.71e-03	8.20e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.27e-03	-1.09e-03	-1.02e-03	81,87,92
	41.5	4.18e-03	4.03e-03	4.37e-03	82,82,92	0.0	0.0	0.0	0,0,0				
234	0.0	8.27e-04	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0	2.03e-03	2.06e-03	2.04e-03	81,87,92
	40.1	2.15e-03	0.03	1.95e-03	83,81,91	0.0	0.0	0.0	0,0,0				
235	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.77e-04	1.77e-04	1.77e-04	79,86,91
	40.1	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
236	0.0	6.15e-03	9.79e-03	6.35e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.85e-03	-1.68e-03	-1.61e-03	81,87,92
	41.5	2.77e-03	2.69e-03	2.29e-03	85,85,92	0.0	0.0	0.0	0,0,0				
237	0.0	7.77e-03	0.01	8.74e-03	85,83,92	0.0	0.0	0.0	0,0,0	-1.27e-03	-1.09e-03	-1.02e-03	81,87,92
	41.5	7.26e-03	9.75e-03	8.17e-03	85,85,92	0.0	0.0	0.0	0,0,0				
238	0.0	5.80e-03	0.02	6.77e-03	83,81,91	0.0	0.0	0.0	0,0,0	-2.43e-03	-2.31e-03	-2.27e-03	81,87,92
	40.1	2.53e-04	0.01	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
239	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.73e-04	1.73e-04	1.73e-04	79,86,91
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
240	0.0	6.92e-03	0.01	7.31e-03	85,83,92	0.0	0.0	0.0	0,0,0	-1.85e-03	-1.68e-03	-1.61e-03	81,87,92
	41.5	6.12e-03	9.84e-03	6.32e-03	85,85,92	0.0	0.0	0.0	0,0,0				
241	0.0	5.54e-03	6.09e-03	6.05e-03	85,83,92	0.0	0.0	0.0	0,0,0	-1.27e-03	-1.09e-03	-1.02e-03	81,87,92
	41.5	7.76e-03	0.01	8.72e-03	85,83,92	0.0	0.0	0.0	0,0,0				
242	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	9.13e-04	9.13e-04	9.13e-04	79,86,91
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
243	0.0	5.13e-03	8.16e-03	5.32e-03	85,83,92	0.0	0.0	0.0	0,0,0	-1.85e-03	-1.68e-03	-1.61e-03	81,87,92
	41.5	6.89e-03	0.01	7.28e-03	85,83,92	0.0	0.0	0.0	0,0,0				
244	0.0	3.01e-03	2.97e-03	3.09e-03	85,85,92	0.0	0.0	0.0	0,0,0	-8.41e-04	-6.66e-04	-5.97e-04	81,87,92
	41.5	4.34e-03	4.13e-03	4.72e-03	85,85,92	0.0	0.0	0.0	0,0,0				
245	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-7.65e-04	-7.65e-04	-7.65e-04	79,86,91
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
246	0.0	2.40e-03	2.34e-03	2.09e-03	85,85,92	0.0	0.0	0.0	0,0,0	9.33e-04	7.66e-04	7.00e-04	81,87,92
	41.5	3.48e-03	3.27e-03	3.35e-03	85,85,92	0.0	0.0	0.0	0,0,0				
247	0.0	2.44e-03	2.46e-03	2.41e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.05e-03	-7.89e-04	-6.89e-04	81,87,92
	41.5	2.92e-03	2.89e-03	2.99e-03	85,85,92	0.0	0.0	0.0	0,0,0				
248	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-6.41e-04	-6.41e-04	-6.41e-04	79,86,91
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
249	0.0	1.95e-03	1.95e-03	1.60e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.10e-03	-8.58e-04	-7.67e-04	81,87,92
	41.5	2.25e-03	2.22e-03	1.90e-03	85,85,92	0.0	0.0	0.0	0,0,0				
250	0.0	2.25e-03	2.28e-03	2.21e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.84e-04	-8.82e-04	-7.61e-04	81,87,92
	41.5	2.56e-03	2.56e-03	2.55e-03	85,85,92	0.0	0.0	0.0	0,0,0				
251	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-5.37e-04	-5.37e-04	-5.37e-04	79,86,91
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
252	0.0	1.86e-03	1.87e-03	1.55e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.19e-03	-8.96e-04	-7.90e-04	81,87,92
	41.5	1.98e-03	1.97e-03	1.60e-03	85,85,92	0.0	0.0	0.0	0,0,0				
253	0.0	2.11e-03	2.13e-03	2.09e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.01e-03	-7.31e-04	-6.30e-04	81,87,92
	41.5	2.49e-03	2.47e-03	2.47e-03	85,85,92	0.0	0.0	0.0	0,0,0				
254	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.39e-04	-4.39e-04	-4.39e-04	79,86,91
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
255	0.0	1.81e-03	1.80e-03	1.57e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.01e-03	7.81e-04	6.94e-04	81,87,92
	41.5	1.98e-03	1.95e-03	1.62e-03	85,85,92	0.0	0.0	0.0	0,0,0				
256	0.0	1.98e-03	1.99e-03	2.00e-03	85,85,92	0.0	0.0	0.0	0,0,0	-8.13e-04	-5.92e-04	-5.08e-04	81,87,92
	41.5	2.43e-03	2.39e-03	2.43e-03	85,85,92	0.0	0.0	0.0	0,0,0				
257	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	3.42e-04	3.42e-04	3.42e-04	79,86,91
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
258	0.0	1.75e-03	1.73e-03	1.62e-03	85,85,92	0.0	0.0	0.0	0,0,0	8.63e-04	6.70e-04	5.95e-04	81,87,92
	41.5	2.02e-03	1.96e-03	1.72e-03	85,85,92	0.0	0.0	0.0	0,0,0				
259	0.0	1.73e-03	1.73e-03	1.79e-03	85,85,92	0.0	0.0	0.0	0,0,0	-7.38e-04	-5.27e-04	-4.45e-04	81,87,92
	41.5	2.26e-03	2.20e-03	2.26e-03	85,85,92	0.0	0.0	0.0	0,0,0				
260	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.63e-04	2.46e-04	2.46e-04	85,86,91
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
261	0.0	1.56e-03	1.54e-03	1.58e-03	85,85,91	0.0	0.0	0.0	0,0,0	-7.91e-04	-6.06e-04	-5.34e-04	81,87,92
	41.5	1.94e-03	1.88e-03	1.73e-03	85,85,92	0.0	0.0	0.0	0,0,0				
262	0.0	1.32e-03	1.33e-03	1.41e-03	83,83,91	0.0	0.0	0.0	0,0,0	-6.93e-04	-4.80e-04	-3.99e-04	81,87,92
	41.5	2.04e-03	1.98e-03	2.06e-03	85,85,92	0.0	0.0	0.0	0,0,0				
263	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.20e-04	1.52e-04	1.52e-04	85,86,91
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
264	0.0	1.18e-03	1.18e-03	1.32e-03	83,83,91	0.0	0.0	0.0	0,0,0	-7.45e-04	-5.60e-04	-4.87e-04	81,87,92
	41.5	1.78e-03	1.71e-03	1.67e-03	85,85,92	0.0	0.0	0.0	0,0,0				
265	0.0	1.06e-03	1.08e-03	9.83e-04	85,85,91	0.0	0.0	0.0	0,0,0	-6.15e-04	-4.19e-04	-3.41e-04	81,87,92

	41.5	1.81e-03	1.72e-03	1.89e-03	85,85,92	0.0	0.0	0.0	0,0,0				
266	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.79e-04	8.42e-05	5.89e-05	85,90,91
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
267	0.0	9.13e-04	9.26e-04	9.06e-04	85,85,91	0.0	0.0	0.0	0,0,0	6.84e-04	5.06e-04	4.35e-04	81,87,92
	41.5	1.58e-03	1.49e-03	1.62e-03	85,85,92	0.0	0.0	0.0	0,0,0				
268	0.0	9.63e-04	9.62e-04	6.09e-04	85,85,91	0.0	0.0	0.0	0,0,0	5.35e-04	3.55e-04	2.83e-04	81,87,92
	41.5	1.45e-03	1.64e-03	1.62e-03	83,83,91	0.0	0.0	0.0	0,0,0				
269	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-7.39e-04	-1.91e-04	-6.70e-05	85,90,92
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
270	0.0	1.16e-03	1.14e-03	4.50e-04	85,85,91	0.0	0.0	0.0	0,0,0	6.17e-04	4.48e-04	3.81e-04	81,87,92
	41.5	1.18e-03	1.51e-03	1.42e-03	83,85,91	0.0	0.0	0.0	0,0,0				
271	0.0	1.18e-03	1.15e-03	4.61e-04	85,85,92	0.0	0.0	0.0	0,0,0	4.81e-04	3.07e-04	2.39e-04	81,87,92
	41.5	9.00e-04	1.48e-03	1.18e-03	83,79,91	0.0	0.0	0.0	0,0,0				
272	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.98e-04	-2.97e-04	-1.60e-04	85,90,92
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
273	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.06e-03	-4.01e-04	-2.52e-04	85,90,92
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
274	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.21e-03	-5.04e-04	-3.41e-04	85,90,92
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
275	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.36e-03	-6.04e-04	-4.29e-04	85,90,92
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
276	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.51e-03	7.03e-04	5.15e-04	85,90,92
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
277	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.66e-03	7.99e-04	5.99e-04	85,90,92
	40.1	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
278	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.80e-03	8.93e-04	6.82e-04	85,90,92
	40.1	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
279	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.94e-03	9.85e-04	7.62e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
280	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.09e-03	1.08e-03	8.42e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
281	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.23e-03	1.17e-03	9.22e-04	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
282	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-2.37e-03	-1.26e-03	-1.81e-04	85,90,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
283	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-2.52e-03	2.38e-04	1.89e-04	85,90,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
284	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.43e-03	2.46e-04	1.96e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
285	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.70e-04	2.52e-04	2.02e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
286	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.77e-04	2.58e-04	2.07e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
287	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.82e-04	2.61e-04	2.11e-04	85,90,92
	40.1	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
288	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.84e-04	-2.63e-04	-2.12e-04	85,90,92
	40.1	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
289	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.84e-04	-2.63e-04	-2.12e-04	85,90,92
	40.1	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
290	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.80e-04	-2.60e-04	-2.10e-04	85,90,92
	40.1	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
291	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-5.98e-04	-3.46e-04	-2.05e-04	85,90,92
	40.1	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
292	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-7.78e-04	-4.23e-04	-3.38e-04	85,90,92
	40.1	0.0	7.72e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
293	0.0	0.0	8.18e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.85e-04	-4.63e-04	-3.67e-04	85,90,92
	40.1	0.0	6.23e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
294	0.0	0.0	3.70e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.25e-04	-4.72e-04	-3.69e-04	85,90,92
	40.1	5.70e-04	5.57e-03	2.17e-04	85,85,92	0.0	0.0	0.0	0,0,0				
295	0.0	2.93e-04	2.19e-03	0.0	83,83,0	0.0	0.0	0.0	0,0,0	-9.00e-04	-4.43e-04	-3.40e-04	85,90,92
	40.1	1.56e-03	6.34e-03	1.23e-03	85,85,92	0.0	0.0	0.0	0,0,0				
296	0.0	2.86e-03	0.01	2.46e-03	85,83,92	0.0	0.0	0.0	0,0,0	-6.81e-04	-5.35e-04	-4.77e-04	81,87,92
	40.0	1.57e-03	6.68e-03	1.32e-03	81,83,92	0.0	0.0	0.0	0,0,0				
297	0.0	4.76e-03	0.02	5.00e-03	85,83,92	0.0	0.0	0.0	0,0,0	7.18e-04	5.81e-04	5.27e-04	81,87,92
	40.0	2.28e-03	6.68e-03	2.31e-03	81,83,92	0.0	0.0	0.0	0,0,0				
298	0.0	0.0	0.13	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.73e-03	-5.85e-04	-5.21e-04	82,87,92
	40.1	0.0	0.12	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
299	0.0	0.0	0.18	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.55e-03	1.18e-03	1.12e-03	85,90,92
	40.1	0.0	0.17	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
300	0.0	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0	7.12e-03	4.57e-03	3.70e-03	82,87,92
	40.1	0.0	0.13	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
301	0.0	0.0	0.17	0.0	0,85,0	0.0	0.0	0.0	0,0,0	0.02	1.19e-03	1.12e-03	85,90,92
	40.1	0.0	0.17	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
302	0.0	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0	3.64e-03	2.83e-03	2.46e-03	85,87,92
	40.1	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
303	0.0	0.0	0.17	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-0.01	-8.33e-03	-8.28e-03	85,90,92
	40.1	0.0	0.17	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
304	0.0	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-3.40e-03	-2.48e-03	-2.20e-03	85,87,92
	40.1	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
305	0.0	0.0	0.17	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-7.87e-03	-6.15e-03	-5.92e-03	85,90,92
	40.1	0.0	0.16	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
306	0.0	0.0	0.13	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-3.47e-03	-2.48e-03	-2.24e-03	85,87,92
	40.1	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
307	0.0	0.0	0.16	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-7.07e-03	-5.46e-03	-5.20e-03	85,90,92
	40.1	0.0	0.15	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
308	0.0	0.0	0.12	0.0	0,85,0	0.0	0.0	0.0	0,0,0	3.64e-03	2.58e-03	2.36e-03	85,87,92
	40.1	0.0	0.13	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
309	0.0	0.0	0.15	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-6.81e-03	-5.24e-03	-4.97e-03	85,90,92
	40.1	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
310	0.0	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0	3.87e-03	2.75e-03	2.53e-03	85,87,92
	40.1	0.0	0.12	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
311	0.0	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0	6.77e-03	5.22e-03	4.94e-03	85,90,92
	40.1	0.0	0.13	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
312	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.14e-03	2.91e-03	-2.72e-03	85,90,92
	40.1	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
313	0.0	0.0	0.13	0.0	0,85,0	0.0	0.0	0.0	0,0,0	6.83e-03	5.29e-03	5.01e-03	85,90,92
	40.1	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
314	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.40e-03	-3.12e-03	-2.90e-03	85,90,92
	40.1	0.0	0.10	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
315	0.0	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-6.84e-03	-5.29e-03	-5.01e-03	85,90,92
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				

316	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.54e-03	-3.14e-03	-2.93e-03	85,90,92
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
317	0.0	0.0	0.10	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-6.62e-03	-5.12e-03	-4.84e-03	85,90,92
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
318	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.66e-03	-3.37e-03	-3.16e-03	85,90,92
	40.1	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
319	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-6.66e-03	-5.15e-03	-4.86e-03	85,90,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
320	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.92e-03	3.41e-03	3.21e-03	85,90,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
321	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	6.61e-03	5.15e-03	4.86e-03	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
322	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.89e-03	-3.73e-03	-3.54e-03	85,90,92
	40.1	4.32e-04	0.04	3.62e-04	85,85,92	0.0	0.0	0.0	0,0,0				
323	0.0	3.21e-03	0.05	3.16e-03	85,85,92	0.0	0.0	0.0	0,0,0	6.59e-03	5.16e-03	4.88e-03	85,90,92
	40.1	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
324	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.66e-03	-1.04e-03	-9.62e-04	85,90,92
	40.1	2.17e-03	0.03	1.88e-03	85,85,92	0.0	0.0	0.0	0,0,0				
325	0.0	5.46e-03	0.03	5.63e-03	85,85,92	0.0	0.0	0.0	0,0,0	-6.15e-03	-4.89e-03	-4.65e-03	85,90,92
	40.1	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
326	0.0	0.0	9.96e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-2.59e-03	-1.89e-03	-1.76e-03	85,90,92
	40.1	3.23e-03	0.01	2.81e-03	85,85,92	0.0	0.0	0.0	0,0,0				
327	0.0	5.71e-03	0.01	6.03e-03	85,82,92	0.0	0.0	0.0	0,0,0	-4.46e-03	-3.43e-03	-3.24e-03	85,90,92
	40.1	3.45e-03	0.01	3.34e-03	85,85,92	0.0	0.0	0.0	0,0,0				
328	0.0	2.85e-03	9.08e-03	2.66e-03	85,85,92	0.0	0.0	0.0	0,0,0	-3.12e-03	-2.20e-03	-2.04e-03	85,90,92
	40.1	2.97e-03	2.91e-03	2.55e-03	85,85,92	0.0	0.0	0.0	0,0,0				
329	0.0	2.27e-03	2.26e-03	2.31e-03	85,85,92	0.0	0.0	0.0	0,0,0	4.61e-03	3.57e-03	3.37e-03	85,90,92
	40.1	7.68e-03	0.02	8.02e-03	85,85,92	0.0	0.0	0.0	0,0,0				
330	0.0	4.77e-03	0.02	4.77e-03	82,83,92	0.0	0.0	0.0	0,0,0	-1.57e-03	-1.34e-03	-1.23e-03	81,87,92
	46.7	8.82e-04	0.01	5.45e-04	81,83,92	0.0	0.0	0.0	0,0,0				
331	0.0	8.59e-03	0.03	9.73e-03	82,83,92	0.0	0.0	0.0	0,0,0	1.94e-03	1.61e-03	1.48e-03	81,87,92
	46.7	6.96e-04	0.02	0.0	81,83,0	0.0	0.0	0.0	0,0,0				
332	0.0	0.01	0.04	0.02	85,82,92	0.0	0.0	0.0	0,0,0	1.00e-02	8.50e-03	8.12e-03	85,90,92
	46.7	3.82e-03	0.02	4.25e-03	83,83,91	0.0	0.0	0.0	0,0,0				
333	0.0	0.02	0.10	0.02	85,85,92	0.0	0.0	0.0	0,0,0	7.08e-03	6.24e-03	6.03e-03	83,88,91
	46.7	0.02	0.10	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
334	0.0	1.29e-03	6.66e-03	1.04e-03	85,83,92	0.0	0.0	0.0	0,0,0	-1.88e-03	-1.45e-03	-1.28e-03	81,87,92
	40.0	2.19e-03	3.49e-03	2.04e-03	81,83,92	0.0	0.0	0.0	0,0,0				
335	0.0	2.25e-03	6.27e-03	2.03e-03	85,83,92	0.0	0.0	0.0	0,0,0	1.93e-03	1.55e-03	1.38e-03	81,87,92
	40.0	3.64e-03	6.52e-03	3.94e-03	81,83,92	0.0	0.0	0.0	0,0,0				
336	0.0	6.84e-03	0.03	6.78e-03	82,83,92	0.0	0.0	0.0	0,0,0	1.88e-03	1.52e-03	1.38e-03	81,87,92
	46.7	1.32e-03	0.02	1.32e-03	81,83,92	0.0	0.0	0.0	0,0,0				
337	0.0	0.01	0.05	0.01	82,85,92	0.0	0.0	0.0	0,0,0	-2.20e-03	-1.83e-03	-1.68e-03	81,87,92
	46.7	1.09e-03	0.03	6.65e-04	81,83,92	0.0	0.0	0.0	0,0,0				
338	0.0	0.01	0.05	0.01	85,85,92	0.0	0.0	0.0	0,0,0	9.83e-03	8.36e-03	8.00e-03	83,88,91
	46.7	2.89e-03	0.04	0.0	81,82,0	0.0	0.0	0.0	0,0,0				
339	0.0	5.01e-03	0.08	6.69e-03	79,85,91	0.0	0.0	0.0	0,0,0	6.25e-03	5.51e-03	5.32e-03	83,88,91
	46.7	0.02	0.10	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
340	0.0	1.92e-03	1.96e-03	1.71e-03	81,83,92	0.0	0.0	0.0	0,0,0	-1.87e-03	-1.45e-03	-1.28e-03	81,87,92
	40.0	2.67e-03	3.67e-03	2.61e-03	81,83,92	0.0	0.0	0.0	0,0,0				
341	0.0	2.63e-03	2.59e-03	2.71e-03	81,81,92	0.0	0.0	0.0	0,0,0	1.98e-03	1.60e-03	1.45e-03	81,87,92
	40.0	4.77e-03	6.97e-03	5.31e-03	81,85,92	0.0	0.0	0.0	0,0,0				
342	0.0	2.41e-03	2.33e-03	2.29e-03	81,81,92	0.0	0.0	0.0	0,0,0	1.94e-03	1.52e-03	1.35e-03	81,87,92
	40.0	2.94e-03	3.56e-03	2.94e-03	81,83,92	0.0	0.0	0.0	0,0,0				
343	0.0	3.76e-03	3.65e-03	4.08e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.14e-03	1.75e-03	1.59e-03	81,87,92
	40.0	5.61e-03	7.21e-03	6.33e-03	81,85,92	0.0	0.0	0.0	0,0,0				
344	0.0	2.78e-03	2.67e-03	2.72e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.04e-03	1.60e-03	1.43e-03	81,87,92
	40.0	3.10e-03	3.26e-03	3.13e-03	81,83,92	0.0	0.0	0.0	0,0,0				
345	0.0	4.74e-03	4.57e-03	5.26e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.33e-03	1.92e-03	1.76e-03	81,87,92
	40.0	6.20e-03	7.02e-03	7.06e-03	81,85,92	0.0	0.0	0.0	0,0,0				
346	0.0	3.17e-03	3.00e-03	3.19e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.12e-03	1.68e-03	1.50e-03	81,87,92
	40.0	3.41e-03	3.79e-03	3.52e-03	81,85,92	0.0	0.0	0.0	0,0,0				
347	0.0	5.68e-03	5.42e-03	6.40e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.53e-03	-2.11e-03	-1.94e-03	81,87,92
	40.0	6.80e-03	7.27e-03	7.78e-03	81,85,92	0.0	0.0	0.0	0,0,0				
348	0.0	3.52e-03	3.48e-03	3.63e-03	81,85,92	0.0	0.0	0.0	0,0,0	2.23e-03	1.78e-03	1.60e-03	81,87,92
	40.0	3.99e-03	5.26e-03	4.24e-03	81,85,92	0.0	0.0	0.0	0,0,0				
349	0.0	6.50e-03	6.15e-03	7.40e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.76e-03	-2.32e-03	-2.14e-03	81,87,92
	40.0	7.45e-03	8.11e-03	8.59e-03	81,85,92	0.0	0.0	0.0	0,0,0				
350	0.0	3.81e-03	3.85e-03	3.99e-03	81,85,92	0.0	0.0	0.0	0,0,0	2.38e-03	1.92e-03	1.73e-03	81,87,92
	40.0	4.55e-03	6.32e-03	4.97e-03	81,85,92	0.0	0.0	0.0	0,0,0				
351	0.0	7.12e-03	6.70e-03	8.16e-03	81,81,92	0.0	0.0	0.0	0,0,0	3.04e-03	2.57e-03	2.39e-03	81,87,92
	40.0	7.87e-03	8.46e-03	9.14e-03	81,85,92	0.0	0.0	0.0	0,0,0				
352	0.0	4.14e-03	3.89e-03	4.41e-03	81,81,92	0.0	0.0	0.0	0,0,0	2.58e-03	2.09e-03	1.90e-03	81,87,92
	40.0	4.71e-03	5.95e-03	5.27e-03	81,85,92	0.0	0.0	0.0	0,0,0				
353	0.0	7.59e-03	7.14e-03	8.75e-03	81,81,92	0.0	0.0	0.0	0,0,0	3.34e-03	2.85e-03	2.66e-03	81,87,92
	40.0	7.68e-03	7.43e-03	8.99e-03	81,85,92	0.0	0.0	0.0	0,0,0				
354	0.0	4.52e-03	4.36e-03	4.92e-03	81,82,92	0.0	0.0	0.0	0,0,0	-2.79e-03	-2.28e-03	-2.08e-03	81,87,92
	40.0	4.21e-03	4.26e-03	4.79e-03	81,83,92	0.0	0.0	0.0	0,0,0				
355	0.0	7.92e-03	7.85e-03	9.18e-03	81,82,92	0.0	0.0	0.0	0,0,0	3.65e-03	3.14e-03	2.93e-03	81,87,92
	40.0	6.68e-03	6.34e-03	7.85e-03	81,81,92	0.0	0.0	0.0	0,0,0				
356	0.0	4.74e-03	5.69e-03	5.27e-03	81,82,92	0.0	0.0	0.0	0,0,0	-2.96e-03	-2.44e-03	-2.23e-03	81,87,92
	40.0	3.06e-03	2.95e-03	3.53e-03	81,81,92	0.0	0.0	0.0	0,0,0				
357	0.0	7.86e-03	9.52e-03	9.16e-03	81,82,92	0.0	0.0	0.0	0,0,0	3.91e-03	3.38e-03	3.17e-03	81,87,92
	40.0	4.90e-03	4.74e-03	5.79e-03	81,81,92	0.0	0.0	0.0	0,0,0				
358	0.0	4.52e-03	7.61e-03	5.11e-03	81,82,92	0.0	0.0	0.0	0,0,0	-3.05e-03	-2.52e-03	-2.31e-03	81,87,92
	40.0	1.60e-03	1.58e-03	1.84e-03	81,81,92	0.0	0.0	0.0	0,0,0				
359	0.0	7.14e-03	0.01	8.38e-03	81,82,92	0.0	0.0	0.0	0,0,0	4.07e-03	3.53e-03	3.31e-03	81,87,92
	40.0	2.72e-03	2.68e-03	3.19e-03	81,81,92	0.0	0.0	0.0	0,0,0				
360	0.0	3.60e-03	0.01	4.12e-03	81,82,92	0.0	0.0	0.0	0,0,0	-3.01e-03	-2.51e-03	-2.31e-03	81,87,92
	40.0	5.05e-04	8.97e-04	3.14e-04	81,83,92	0.0	0.0	0.0	0,0,0				
361	0.0	5.56e-03	0.01	6.55e-03	81,82,92	0.0	0.0	0.0	0,0,0	4.08e-03	3.55e-03	3.33e-03	81,87,92
	40.0	1.20e-03	1.20e-03	1.24e-03	81,81,92	0.0	0.0	0.0	0,0,0				
362	0.0	1.75e-03	0.01	1.96e-03	81,82,92	0.0	0.0	0.0	0,0,0	-2.91e-03	-2.44e-03	-2.25e-03	81,87,92
	40.0	0.0	9.02e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
363	0.0	2.92e-03	0.02	3.40e-03	81,82,92	0.0	0.0	0.0	0,0,0	3.88e-03	3.39e-03	3.19e-03	81,87,92
	40.0	6.13e-04	0.01	1.99e-04	81,85,92	0.0	0.0	0.0	0,0,0				
364	0.0	0.0	0.22	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.83e-03	1.36e-03	1.33e-03	82,87,92
	40.1	0.0	0.18	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
365	0.0	0.0	0.24	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.95e-03	2.30e-03	2.10e-03	82,87,92
	40.1	0.0	0.22	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
366	0.0	0.0	0.25	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.19e-03	1.65e-03	1.47e-03	82,87,92

	40.1	0.0	0.24	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
367	0.0	0.0	0.26	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.51e-03	1.05e-03	8.95e-04	82,87,92
	40.1	0.0	0.25	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
368	0.0	0.0	0.27	0.0	0,85,0	0.0	0.0	0.0	0,0,0	8.30e-04	4.56e-04	3.10e-04	82,87,92
	40.1	0.0	0.26	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
369	0.0	0.0	0.27	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.80e-04	5.05e-04	4.87e-04	83,88,91
	40.1	0.0	0.27	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
370	0.0	0.0	0.28	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.26e-03	-1.11e-03	-1.07e-03	83,88,91
	40.1	0.0	0.27	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
371	0.0	0.0	0.28	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.95e-03	-1.72e-03	-1.66e-03	83,88,91
	40.1	0.0	0.28	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
372	0.0	0.0	0.27	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-2.66e-03	-2.34e-03	-2.26e-03	83,88,91
	40.1	0.0	0.28	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
373	0.0	0.0	0.27	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-3.41e-03	-3.01e-03	-2.90e-03	83,88,91
	40.1	0.0	0.27	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
374	0.0	0.0	0.25	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.25e-03	-3.75e-03	-3.62e-03	83,88,91
	40.1	0.0	0.27	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
375	0.0	0.0	0.21	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-6.08e-03	-5.25e-03	-5.07e-03	83,88,91
	40.1	0.0	0.25	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
376	0.0	0.0	0.18	0.0	0,85,0	0.0	0.0	0.0	0,0,0	0.01	9.77e-03	9.45e-03	83,88,91
	40.1	2.52e-03	0.22	3.36e-03	79,85,91	0.0	0.0	0.0	0,0,0				
377	0.0	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0	0.01	9.77e-03	9.45e-03	83,88,91
	40.1	0.0	0.18	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
378	0.0	0.0	0.12	0.0	0,85,0	0.0	0.0	0.0	0,0,0	0.01	9.77e-03	9.45e-03	83,88,91
	40.1	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
379	0.0	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.34e-03	1.17e-03	1.13e-03	83,88,91
	40.1	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
380	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.58e-03	-1.36e-03	-1.30e-03	83,88,91
	40.1	0.0	0.13	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
381	0.0	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.50e-03	-1.28e-03	-1.23e-03	83,88,91
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
382	0.0	0.0	0.11	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.23e-03	1.03e-03	9.84e-04	83,88,91
	40.1	0.0	0.12	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
383	0.0	0.0	0.11	0.0	0,82,0	0.0	0.0	0.0	0,0,0	9.94e-04	8.83e-04	8.55e-04	83,88,91
	40.1	0.0	0.11	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
384	0.0	0.0	0.10	0.0	0,82,0	0.0	0.0	0.0	0,0,0	9.43e-04	8.42e-04	8.16e-04	83,88,91
	40.1	0.0	0.11	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
385	0.0	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0	9.01e-04	8.09e-04	7.86e-04	83,88,91
	40.1	0.0	0.10	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
386	0.0	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-8.62e-04	-7.78e-04	-7.57e-04	83,88,91
	40.1	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
387	0.0	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-8.60e-04	-7.48e-04	-7.29e-04	83,88,91
	40.1	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
388	0.0	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0	8.81e-04	7.62e-04	7.33e-04	83,88,91
	40.1	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
389	0.0	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-7.51e-04	-6.88e-04	-6.73e-04	85,90,92
	40.1	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
390	0.0	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-7.23e-04	-6.63e-04	-6.50e-04	85,90,92
	40.1	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
391	0.0	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0	6.97e-04	-6.39e-04	-6.28e-04	85,90,92
	40.1	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
392	0.0	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0	6.76e-04	6.21e-04	6.10e-04	85,87,92
	40.1	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
393	0.0	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0	6.64e-04	1.11e-03	5.97e-04	82,87,92
	40.1	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
394	0.0	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0	6.62e-04	-1.28e-03	-5.86e-04	82,87,92
	40.1	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
395	0.0	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0	6.61e-04	-5.97e-04	-5.74e-04	82,87,92
	40.1	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
396	0.0	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0	8.29e-04	5.84e-04	5.56e-04	81,87,92
	40.1	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
397	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-7.66e-04	-8.38e-04	-8.45e-04	81,87,92
	40.1	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
398	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.32e-04	-8.40e-04	-7.71e-04	81,87,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
399	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-9.32e-04	-8.40e-04	-7.71e-04	81,87,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
400	0.0	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-9.32e-04	-8.40e-04	-7.71e-04	83,88,91
	40.1	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
401	0.0	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0	5.03e-04	3.75e-04	3.39e-04	83,88,91
	40.1	0.0	0.06	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
402	0.0	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.46e-03	1.03e-03	9.49e-04	83,88,91
	40.1	0.0	0.07	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
403	0.0	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0	1.21e-03	8.43e-04	7.51e-04	83,88,91
	40.1	0.0	0.08	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
404	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.06e-03	7.09e-04	6.22e-04	83,88,91
	40.1	0.0	0.09	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
405	0.0	0.0	0.10	0.0	0,85,0	0.0	0.0	0.0	0,0,0	9.44e-04	5.92e-04	5.07e-04	83,88,91
	40.1	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
406	0.0	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0	7.91e-04	4.55e-04	3.76e-04	83,88,91
	40.1	0.0	0.10	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
407	0.0	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-5.94e-04	-2.92e-04	-2.21e-04	83,88,91
	40.1	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
408	0.0	0.0	0.12	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-6.92e-04	-3.25e-04	-1.77e-04	81,87,92
	40.1	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
409	0.0	0.0	0.13	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.37e-04	-5.48e-04	-3.93e-04	81,87,92
	40.1	0.0	0.12	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
410	0.0	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.23e-03	-8.09e-04	-6.43e-04	81,87,92
	40.1	0.0	0.13	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
411	0.0	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.57e-03	-1.12e-03	-9.35e-04	81,87,92
	40.1	0.0	0.14	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
485	0.0	2.84e-03	3.93e-03	1.40e-03	85,85,92	0.0	0.0	0.0	0,0,0	-9.23e-04	-7.85e-04	-7.29e-04	81,87,92
	41.5	1.09e-03	1.15e-03	7.94e-04	85,81,92	0.0	0.0	0.0	0,0,0				
486	0.0	1.41e-03	3.82e-03	1.30e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.31e-03	-2.11e-03	-2.03e-03	81,87,92
	40.1	0.0	1.34e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
487	0.0	0.02	0.05	0.02	82,85,92	0.0	0.0	0.0	0,0,0	-9.48e-03	-8.27e-03	-7.95e-03	82,87,92
	40.1	5.00e-03	0.02	3.80e-03	82,85,92	0.0	0.0	0.0	0,0,0				
488	0.0	3.66e-03	4.63e-03	2.10e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.62e-03	-9.94e-04	-8.49e-04	85,90,92
	40.1	7.58e-04	4.29e-04	3.82e-04	85,85,92	0.0	0.0	0.0	0,0,0				
489	0.0	3.04e-03	3.95e-03	1.61e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.05e-03	-9.09e-04	-8.55e-04	81,87,92
	41.5	1.07e-03	8.08e-04	7.29e-04	85,81,92	0.0	0.0	0.0	0,0,0				

490	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.89e-03	3.41e-04	-1.82e-04	83,88,92
	46.7	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
491	0.0	0.02	0.03	0.02	83,85,91	0.0	0.0	0.0	0,0,0	0.01	7.70e-03	7.03e-03	83,88,91
	46.7	3.91e-04	8.93e-03	0.0	83,82,0	0.0	0.0	0.0	0,0,0				
492	0.0	0.01	7.00e-03	8.52e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.18e-03	-1.84e-03	-1.71e-03	81,87,92
	46.7	9.67e-03	5.91e-03	6.61e-03	85,85,92	0.0	0.0	0.0	0,0,0				
493	0.0	5.54e-03	3.41e-03	6.07e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.60e-03	1.40e-03	1.35e-03	82,87,92
	40.1	6.35e-03	3.84e-03	6.97e-03	85,85,92	0.0	0.0	0.0	0,0,0				
494	0.0	0.03	0.02	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	85,90,92
	40.1	0.06	0.03	0.06	85,85,92	0.0	0.0	0.0	0,0,0				
495	0.0	1.07e-03	1.35e-03	5.47e-04	85,83,92	0.0	0.0	0.0	0,0,0	-1.63e-03	-1.01e-03	-8.60e-04	85,90,92
	40.1	1.44e-04	5.81e-04	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
496	0.0	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.49e-03	-1.24e-03	-1.14e-03	81,87,92
	40.0	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
497	0.0	5.06e-03	3.02e-03	6.75e-03	79,79,91	0.0	0.0	0.0	0,0,0	-9.75e-04	-7.57e-04	-6.69e-04	81,87,92
	40.0	4.64e-03	2.80e-03	6.18e-03	79,79,91	0.0	0.0	0.0	0,0,0				
498	0.0	0.0	0.10	0.0	0,85,0	0.0	0.0	0.0	0,0,0	6.15e-03	4.22e-03	3.73e-03	83,88,91
	40.0	0.0	0.10	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
499	0.0	0.01	6.47e-03	7.67e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.17e-03	-1.82e-03	-1.68e-03	81,87,92
	41.5	0.01	7.44e-03	9.15e-03	85,85,92	0.0	0.0	0.0	0,0,0				
500	0.0	0.01	8.20e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0	1.24e-03	1.09e-03	1.05e-03	82,87,92
	40.1	0.01	7.70e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
501	0.0	0.06	0.05	0.07	85,79,92	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
502	0.0	0.01	0.02	0.01	82,81,92	0.0	0.0	0.0	0,0,0	-1.66e-03	-1.31e-03	-1.18e-03	81,87,92
	46.7	7.25e-03	7.52e-03	6.76e-03	85,81,92	0.0	0.0	0.0	0,0,0				
503	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.50e-03	-5.55e-04	-4.62e-04	83,87,92
	46.7	1.23e-03	0.03	1.64e-03	79,85,91	0.0	0.0	0.0	0,0,0				
504	0.0	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0	6.47e-03	4.49e-03	3.99e-03	83,88,91
	40.0	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
505	0.0	7.20e-03	4.47e-03	5.09e-03	83,83,91	0.0	0.0	0.0	0,0,0	-1.86e-03	-1.60e-03	-1.49e-03	81,87,92
	40.0	8.44e-03	5.13e-03	6.44e-03	83,83,91	0.0	0.0	0.0	0,0,0				
506	0.0	4.79e-03	2.94e-03	5.21e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.66e-03	1.45e-03	1.39e-03	82,87,92
	40.1	5.53e-03	3.34e-03	6.03e-03	85,85,92	0.0	0.0	0.0	0,0,0				
507	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	0.01	9.66e-03	9.15e-03	85,90,92
	40.1	0.02	0.02	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
508	0.0	5.62e-05	1.23e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-1.63e-03	-1.00e-03	-8.55e-04	85,90,92
	40.1	0.0	1.51e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
509	0.0	0.0	9.12e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.49e-03	-1.23e-03	-1.13e-03	81,87,92
	40.0	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
510	0.0	7.57e-03	4.49e-03	0.01	79,79,91	0.0	0.0	0.0	0,0,0	9.36e-04	-6.49e-04	-5.61e-04	83,87,92
	40.0	7.23e-03	4.32e-03	9.65e-03	79,79,91	0.0	0.0	0.0	0,0,0				
511	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.97e-03	4.06e-03	3.57e-03	83,88,91
	40.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
512	0.0	9.45e-03	5.77e-03	6.59e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.22e-03	-1.86e-03	-1.71e-03	81,87,92
	41.5	9.57e-03	5.83e-03	6.60e-03	85,85,92	0.0	0.0	0.0	0,0,0				
513	0.0	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0	-1.11e-03	-1.04e-03	-1.01e-03	81,87,92
	40.1	0.01	7.28e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
514	0.0	0.07	0.10	0.09	81,81,92	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	85,90,92
	40.1	0.06	0.09	0.08	82,79,92	0.0	0.0	0.0	0,0,0				
515	0.0	6.42e-03	3.75e-03	4.58e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.17e-03	-1.82e-03	-1.67e-03	81,87,92
	41.5	0.02	0.02	0.02	82,81,92	0.0	0.0	0.0	0,0,0				
516	0.0	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0	6.87e-03	4.83e-03	4.32e-03	83,88,91
	40.0	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
517	0.0	7.88e-03	4.88e-03	5.73e-03	83,83,91	0.0	0.0	0.0	0,0,0	-2.18e-03	-1.88e-03	-1.75e-03	81,87,92
	46.7	8.46e-03	5.18e-03	6.16e-03	85,85,92	0.0	0.0	0.0	0,0,0				
518	0.0	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	7.05e-03	5.87e-03	5.61e-03	85,90,92
	40.1	0.06	0.04	0.06	85,85,92	0.0	0.0	0.0	0,0,0				
519	0.0	0.01	6.88e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	1.32e-03	1.16e-03	1.12e-03	82,87,92
	40.1	0.01	6.91e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
520	0.0	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	85,90,92
	40.1	0.03	0.02	0.04	85,85,92	0.0	0.0	0.0	0,0,0				
521	0.0	2.59e-03	7.62e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.63e-03	-1.30e-03	-1.16e-03	81,87,92
	46.7	3.45e-03	8.38e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
522	0.0	2.21e-03	0.02	2.95e-03	79,85,91	0.0	0.0	0.0	0,0,0	1.17e-03	-7.90e-04	-6.94e-04	83,87,92
	46.7	2.27e-03	0.02	3.02e-03	79,85,91	0.0	0.0	0.0	0,0,0				
523	0.0	2.06e-03	1.11e-03	2.30e-03	81,81,92	0.0	0.0	0.0	0,0,0	-3.06e-03	-2.60e-03	-2.42e-03	81,87,92
	40.0	1.64e-03	9.53e-04	1.63e-03	85,85,92	0.0	0.0	0.0	0,0,0				
524	0.0	3.89e-03	2.40e-03	4.20e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.71e-03	1.49e-03	1.43e-03	82,87,92
	40.1	4.47e-03	2.70e-03	4.83e-03	85,85,92	0.0	0.0	0.0	0,0,0				
525	0.0	8.58e-05	0.02	0.0	81,83,0	0.0	0.0	0.0	0,0,0	5.37e-03	4.23e-03	4.01e-03	85,90,92
	40.1	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
526	0.0	0.0	1.98e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.62e-03	-9.96e-04	-8.51e-04	85,90,92
	40.1	0.0	2.15e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
527	0.0	8.11e-04	5.75e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-3.01e-03	-1.28e-03	-1.18e-03	81,87,92
	40.0	0.0	5.29e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
528	0.0	0.01	7.04e-03	0.02	79,79,91	0.0	0.0	0.0	0,0,0	1.33e-03	-2.48e-04	-1.58e-04	83,87,92
	40.0	0.01	7.06e-03	0.02	79,79,91	0.0	0.0	0.0	0,0,0				
529	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.35e-03	3.59e-03	3.15e-03	83,88,91
	40.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
530	0.0	8.48e-03	5.20e-03	5.65e-03	83,83,91	0.0	0.0	0.0	0,0,0	-2.24e-03	-1.87e-03	-1.73e-03	81,87,92
	41.5	8.04e-03	4.96e-03	5.13e-03	83,83,91	0.0	0.0	0.0	0,0,0				
531	0.0	0.02	9.96e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-9.10e-04	-8.46e-04	-8.20e-04	81,87,92
	40.1	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
532	0.0	0.11	0.37	0.12	85,85,92	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	85,90,92
	40.1	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
533	0.0	3.88e-03	2.36e-03	1.31e-03	83,83,91	0.0	0.0	0.0	0,0,0	-2.23e-03	-1.86e-03	-1.72e-03	81,87,92
	41.5	5.13e-03	4.70e-03	3.64e-03	83,81,92	0.0	0.0	0.0	0,0,0				
534	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	9.83e-03	7.20e-03	6.54e-03	83,88,91
	46.7	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
535	0.0	8.81e-03	5.43e-03	5.93e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.16e-03	-1.84e-03	-1.72e-03	81,87,92
	46.7	8.72e-03	5.38e-03	5.93e-03	85,85,92	0.0	0.0	0.0	0,0,0				
536	0.0	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	5.59e-03	4.55e-03	4.32e-03	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
537	0.0	4.10e-03	4.11e-03	4.88e-03	81,81,92	0.0	0.0	0.0	0,0,0	-3.13e-03	-2.67e-03	-2.48e-03	81,87,92
	40.0	2.55e-03	1.48e-03	2.85e-03	83,83,92	0.0	0.0	0.0	0,0,0				
538	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.13e-03	4.05e-03	3.85e-03	85,90,92
	40.1	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
539	0.0	9.89e-03	5.86e-03	0.01	79,79,91	0.0	0.0	0.0	0,0,0	1.10e-03	-4.80e-04	-3.91e-04	83,87,92
	40.0	9.75e-03	5.79e-03	0.01	79,79,91	0.0	0.0	0.0	0,0,0				
540	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.44e-03	3.68e-03	3.24e-03	83,88,91

	40.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
541	0.0	0.01	7.77e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	9.14e-04	7.68e-04	7.28e-04	82,87,92
	40.1	0.01	8.13e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
542	0.0	0.10	0.13	0.12	82,81,92	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	85,90,92
	40.1	0.01	7.40e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
543	0.0	0.05	0.03	0.06	85,85,92	0.0	0.0	0.0	0,0,0	6.94e-03	6.14e-03	5.98e-03	85,90,92
	40.1	0.05	0.03	0.06	85,85,92	0.0	0.0	0.0	0,0,0				
544	0.0	9.77e-03	6.05e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	1.35e-03	1.20e-03	1.15e-03	82,87,92
	40.1	0.01	6.38e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
545	0.0	3.82e-03	0.02	0.0	85,81,0	0.0	0.0	0.0	0,0,0	-1.75e-03	-1.41e-03	-1.28e-03	81,87,92
	46.7	1.34e-03	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
546	0.0	2.21e-03	7.53e-03	2.07e-03	83,85,92	0.0	0.0	0.0	0,0,0	-9.96e-04	-7.83e-04	-6.97e-04	81,87,92
	40.0	2.26e-03	7.40e-03	2.39e-03	82,85,92	0.0	0.0	0.0	0,0,0				
547	0.0	2.51e-03	1.51e-03	2.71e-03	85,85,92	0.0	0.0	0.0	0,0,0	8.89e-04	7.73e-04	7.40e-04	82,87,92
	40.1	2.27e-03	1.38e-03	2.47e-03	85,85,92	0.0	0.0	0.0	0,0,0				
548	0.0	0.0	3.03e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.63e-03	-9.96e-04	-8.49e-04	85,90,92
	40.1	0.0	2.97e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
549	0.0	0.01	7.89e-03	0.02	79,79,91	0.0	0.0	0.0	0,0,0	1.62e-03	5.37e-04	2.66e-04	83,88,91
	40.0	0.01	7.95e-03	0.02	79,79,91	0.0	0.0	0.0	0,0,0				
550	0.0	7.32e-03	4.50e-03	4.53e-03	83,83,91	0.0	0.0	0.0	0,0,0	-2.24e-03	-1.88e-03	-1.73e-03	81,87,92
	41.5	6.80e-03	4.22e-03	4.01e-03	83,83,91	0.0	0.0	0.0	0,0,0				
551	0.0	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0	-1.06e-03	-9.87e-04	-9.57e-04	81,87,92
	40.1	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
552	0.0	0.11	0.27	0.11	85,85,92	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	85,90,92
	40.1	0.08	0.21	0.10	82,85,92	0.0	0.0	0.0	0,0,0				
553	0.0	2.55e-03	5.82e-03	6.84e-04	83,81,91	0.0	0.0	0.0	0,0,0	-1.13e-03	-9.36e-04	-8.60e-04	81,87,92
	41.5	2.61e-03	6.01e-03	8.19e-04	83,81,91	0.0	0.0	0.0	0,0,0				
554	0.0	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	85,90,92
	40.1	0.09	0.05	0.10	85,85,92	0.0	0.0	0.0	0,0,0				
555	0.0	3.61e-03	6.58e-03	4.63e-03	82,81,92	0.0	0.0	0.0	0,0,0	-3.28e-03	-2.81e-03	-2.62e-03	81,87,92
	40.0	3.80e-03	6.63e-03	4.69e-03	82,81,92	0.0	0.0	0.0	0,0,0				
556	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.92e-03	3.88e-03	3.69e-03	85,90,92
	40.1	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
557	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.51e-03	3.74e-03	3.30e-03	83,88,91
	40.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
558	0.0	0.01	8.07e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	8.97e-04	7.53e-04	7.15e-04	82,87,92
	40.1	0.01	8.34e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
559	0.0	0.06	0.03	0.06	85,85,92	0.0	0.0	0.0	0,0,0	7.43e-03	6.36e-03	6.12e-03	85,90,92
	40.1	0.06	0.04	0.06	85,85,92	0.0	0.0	0.0	0,0,0				
560	0.0	2.78e-03	1.73e-03	3.02e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.74e-03	1.51e-03	1.45e-03	82,87,92
	40.1	3.10e-03	1.90e-03	3.30e-03	85,85,92	0.0	0.0	0.0	0,0,0				
561	0.0	0.0	0.11	0.0	0,85,0	0.0	0.0	0.0	0,0,0	7.33e-03	5.23e-03	4.70e-03	83,88,91
	40.0	0.0	0.10	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
562	0.0	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	6.62e-03	5.47e-03	5.21e-03	85,90,92
	40.1	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
563	0.0	0.01	7.62e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	9.35e-04	7.86e-04	7.44e-04	82,87,92
	40.1	0.01	8.32e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
564	0.0	0.07	0.04	0.06	85,85,92	0.0	0.0	0.0	0,0,0	0.01	9.60e-03	8.99e-03	85,90,92
	40.1	0.04	0.02	0.04	85,85,92	0.0	0.0	0.0	0,0,0				
565	0.0	8.83e-03	5.49e-03	9.98e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.38e-03	1.22e-03	1.18e-03	82,87,92
	40.1	9.65e-03	5.92e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
566	0.0	2.91e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.62e-03	-1.32e-03	-1.20e-03	81,87,92
	40.0	2.07e-04	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
567	0.0	2.44e-03	1.49e-03	3.26e-03	79,79,91	0.0	0.0	0.0	0,0,0	-1.02e-03	-8.02e-04	-7.16e-04	81,87,92
	40.0	2.12e-03	1.32e-03	2.82e-03	79,79,91	0.0	0.0	0.0	0,0,0				
568	0.0	2.31e-03	1.33e-03	2.51e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.68e-03	1.46e-03	1.40e-03	82,87,92
	40.1	1.56e-03	9.35e-04	1.69e-03	85,85,92	0.0	0.0	0.0	0,0,0				
569	0.0	0.0	4.03e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.64e-03	-9.98e-04	-8.49e-04	85,90,92
	40.1	0.0	3.90e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
570	0.0	4.20e-03	2.60e-03	5.04e-03	83,83,92	0.0	0.0	0.0	0,0,0	3.03e-03	1.89e-03	1.60e-03	83,88,91
	40.0	4.33e-03	2.67e-03	5.22e-03	83,83,91	0.0	0.0	0.0	0,0,0				
571	0.0	6.01e-03	3.72e-03	3.29e-03	83,83,91	0.0	0.0	0.0	0,0,0	-1.14e-03	-1.87e-03	-1.73e-03	81,87,92
	41.5	5.96e-03	3.69e-03	3.29e-03	83,83,91	0.0	0.0	0.0	0,0,0				
572	0.0	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0	-1.29e-03	-1.20e-03	-1.16e-03	81,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
573	0.0	0.06	0.16	0.06	85,85,92	0.0	0.0	0.0	0,0,0	-9.03e-03	-6.82e-03	-6.30e-03	85,90,92
	40.1	0.13	0.27	0.13	85,85,92	0.0	0.0	0.0	0,0,0				
574	0.0	2.11e-03	0.01	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-2.13e-03	-1.76e-03	-1.62e-03	81,87,92
	41.5	2.51e-03	0.01	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
575	0.0	0.06	0.03	0.06	85,85,92	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	85,90,92
	40.1	0.08	0.05	0.09	85,85,92	0.0	0.0	0.0	0,0,0				
576	0.0	1.16e-03	7.43e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-3.41e-03	-2.93e-03	-2.75e-03	81,87,92
	40.0	2.79e-03	0.01	2.69e-03	83,81,91	0.0	0.0	0.0	0,0,0				
577	0.0	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.79e-03	3.77e-03	3.58e-03	85,90,92
	40.1	0.0	0.05	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
578	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.55e-03	3.78e-03	3.33e-03	83,88,91
	40.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
579	0.0	0.01	8.53e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0	8.73e-04	7.37e-04	7.00e-04	82,87,92
	40.1	0.01	8.75e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
580	0.0	0.06	0.04	0.06	85,85,92	0.0	0.0	0.0	0,0,0	7.36e-03	6.19e-03	5.94e-03	85,90,92
	40.1	0.06	0.03	0.06	85,85,92	0.0	0.0	0.0	0,0,0				
581	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	9.17e-03	6.63e-03	5.99e-03	83,88,91
	46.7	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
582	0.0	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	6.12e-03	5.02e-03	4.78e-03	85,90,92
	40.1	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
583	0.0	0.08	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	0.01	8.60e-03	8.10e-03	85,90,92
	40.1	0.06	0.03	0.05	85,85,92	0.0	0.0	0.0	0,0,0				
584	0.0	0.01	8.29e-03	0.02	83,83,91	0.0	0.0	0.0	0,0,0	1.95e-03	8.61e-04	5.89e-04	83,88,91
	40.0	0.01	8.32e-03	0.02	83,83,91	0.0	0.0	0.0	0,0,0				
585	0.0	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	3.91e-03	3.08e-03	2.89e-03	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
586	0.0	0.01	7.83e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	1.00e-03	8.55e-04	8.13e-04	82,87,92
	40.1	0.02	9.10e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
587	0.0	0.03	0.02	0.04	85,85,92	0.0	0.0	0.0	0,0,0	0.01	9.57e-03	9.05e-03	85,90,92
	40.1	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
588	0.0	8.10e-03	5.03e-03	9.08e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.42e-03	1.25e-03	1.20e-03	82,87,92
	40.1	8.98e-03	5.50e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
589	0.0	8.78e-04	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.71e-03	-1.40e-03	-1.28e-03	81,87,92
	40.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
590	0.0	0.0	5.00e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.66e-03	-1.00e-03	-8.49e-04	85,90,92
	40.1	0.0	4.82e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				

591	0.0	3.54e-03	2.11e-03	4.53e-03	83,83,91	0.0	0.0	0.0	0,0,0	3.04e-03	1.89e-03	1.61e-03	83,88,91
	40.0	4.39e-03	2.56e-03	5.59e-03	83,83,91	0.0	0.0	0.0	0,0,0				
592	0.0	5.10e-03	3.15e-03	2.04e-03	83,83,91	0.0	0.0	0.0	0,0,0	-1.13e-03	-9.52e-04	-8.81e-04	81,87,92
	41.5	5.44e-03	3.33e-03	2.60e-03	83,83,91	0.0	0.0	0.0	0,0,0				
593	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-1.56e-03	-1.44e-03	-1.40e-03	81,87,92
	40.1	0.02	9.59e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
594	0.0	0.02	0.09	0.02	85,83,92	0.0	0.0	0.0	0,0,0	-5.10e-03	-3.56e-03	-3.18e-03	85,90,92
	40.1	0.10	0.24	0.11	85,85,92	0.0	0.0	0.0	0,0,0				
595	0.0	1.69e-03	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-2.06e-03	-1.70e-03	-1.56e-03	81,87,92
	41.5	2.20e-03	0.02	0.0	85,81,0	0.0	0.0	0.0	0,0,0				
596	0.0	0.04	0.03	0.04	85,85,92	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
597	0.0	3.69e-03	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-3.38e-03	-2.92e-03	-2.73e-03	81,87,92
	40.0	4.86e-04	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
598	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.73e-03	3.72e-03	3.53e-03	85,90,92
	40.1	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
599	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.59e-03	1.95e-03	1.72e-03	83,88,91
	40.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
600	0.0	0.01	9.04e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0	8.48e-04	7.17e-04	6.81e-04	82,87,92
	40.1	0.01	9.27e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
601	0.0	0.11	0.06	0.10	85,85,92	0.0	0.0	0.0	0,0,0	8.43e-03	7.15e-03	6.87e-03	85,90,92
	40.1	0.10	0.06	0.09	85,85,92	0.0	0.0	0.0	0,0,0				
602	0.0	0.08	0.05	0.08	85,85,92	0.0	0.0	0.0	0,0,0	-1.58e-03	-1.13e-03	-1.02e-03	83,88,91
	40.1	0.06	0.04	0.06	85,85,92	0.0	0.0	0.0	0,0,0				
603	0.0	0.04	0.03	0.04	85,85,92	0.0	0.0	0.0	0,0,0	0.01	9.49e-03	8.94e-03	85,90,92
	40.1	0.04	0.02	0.04	85,85,92	0.0	0.0	0.0	0,0,0				
604	0.0	0.01	8.13e-03	0.02	83,83,91	0.0	0.0	0.0	0,0,0	2.28e-03	1.18e-03	9.11e-04	83,88,91
	40.0	0.01	8.14e-03	0.02	83,83,91	0.0	0.0	0.0	0,0,0				
605	0.0	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	5.03e-03	4.07e-03	3.84e-03	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
606	0.0	7.46e-03	4.63e-03	8.31e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.46e-03	1.28e-03	1.23e-03	82,87,92
	40.1	8.34e-03	5.10e-03	9.31e-03	85,85,92	0.0	0.0	0.0	0,0,0				
607	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.77e-03	-1.45e-03	-1.32e-03	81,87,92
	40.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
608	0.0	0.0	6.13e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.68e-03	-1.01e-03	-8.50e-04	85,90,92
	40.1	0.0	6.00e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
609	0.0	4.85e-03	4.52e-03	1.52e-03	83,81,91	0.0	0.0	0.0	0,0,0	-2.16e-03	-1.82e-03	-1.69e-03	81,87,92
	41.5	5.07e-03	6.06e-03	1.99e-03	83,81,91	0.0	0.0	0.0	0,0,0				
610	0.0	0.02	9.52e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-1.78e-03	-1.65e-03	-1.60e-03	81,87,92
	40.1	0.01	8.28e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
611	0.0	0.0	0.06	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.14e-03	-1.82e-03	-1.50e-03	83,88,91
	40.1	0.07	0.17	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
612	0.0	1.67e-03	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.99e-03	-1.64e-03	-1.50e-03	81,87,92
	41.5	2.12e-03	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
613	0.0	6.56e-03	0.04	2.64e-03	83,81,91	0.0	0.0	0.0	0,0,0	-3.14e-03	-2.71e-03	-2.54e-03	81,87,92
	40.0	3.96e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
614	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.74e-03	3.72e-03	3.51e-03	85,90,92
	40.1	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
615	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.62e-03	1.96e-03	1.73e-03	83,88,91
	40.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
616	0.0	0.02	9.62e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0	8.23e-04	6.98e-04	6.63e-04	82,87,92
	40.1	0.02	9.91e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
617	0.0	0.10	0.06	0.11	85,85,92	0.0	0.0	0.0	0,0,0	-8.02e-03	-6.75e-03	-6.43e-03	83,88,91
	40.1	0.09	0.05	0.09	85,85,92	0.0	0.0	0.0	0,0,0				
618	0.0	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	4.47e-03	3.57e-03	3.37e-03	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
619	0.0	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	3.38e-03	2.61e-03	2.43e-03	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
620	0.0	0.01	7.37e-03	0.02	83,83,91	0.0	0.0	0.0	0,0,0	2.58e-03	1.47e-03	1.20e-03	83,88,91
	40.0	0.01	7.36e-03	0.02	83,83,91	0.0	0.0	0.0	0,0,0				
621	0.0	6.85e-03	4.24e-03	7.59e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.50e-03	1.32e-03	1.27e-03	82,87,92
	40.1	7.70e-03	4.69e-03	8.54e-03	85,85,92	0.0	0.0	0.0	0,0,0				
622	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.80e-03	-1.47e-03	-6.85e-04	81,87,92
	40.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
623	0.0	0.0	7.70e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.76e-04	-1.02e-03	-8.54e-04	85,90,92
	40.1	0.0	7.82e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
624	0.0	4.25e-03	0.01	9.63e-04	83,81,91	0.0	0.0	0.0	0,0,0	-2.10e-03	-1.77e-03	-1.64e-03	81,87,92
	41.5	4.81e-03	0.01	1.89e-03	83,81,91	0.0	0.0	0.0	0,0,0				
625	0.0	0.01	6.22e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-1.89e-03	-1.74e-03	-1.69e-03	81,87,92
	40.1	0.01	7.01e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
626	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.26e-03	-1.04e-03	-7.28e-04	83,88,91
	40.1	0.03	0.10	0.04	85,83,92	0.0	0.0	0.0	0,0,0				
627	0.0	2.09e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.91e-03	-1.57e-03	-1.43e-03	81,87,92
	41.5	2.25e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
628	0.0	7.62e-03	0.04	3.80e-03	83,81,91	0.0	0.0	0.0	0,0,0	-2.76e-03	-2.36e-03	-2.20e-03	81,87,92
	40.0	6.64e-03	0.04	2.25e-03	83,81,91	0.0	0.0	0.0	0,0,0				
629	0.0	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.73e-03	3.71e-03	3.55e-03	85,90,92
	40.1	0.0	0.09	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
630	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.67e-03	3.85e-03	3.39e-03	83,88,91
	40.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
631	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	7.96e-04	6.76e-04	6.43e-04	82,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
632	0.0	0.09	0.05	0.10	85,85,92	0.0	0.0	0.0	0,0,0	-0.01	-9.99e-03	-9.54e-03	85,90,92
	40.1	0.09	0.05	0.10	85,85,92	0.0	0.0	0.0	0,0,0				
633	0.0	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	2.90e-03	2.17e-03	2.00e-03	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
634	0.0	0.09	0.05	0.10	85,85,92	0.0	0.0	0.0	0,0,0	-2.50e-03	-1.98e-03	-1.85e-03	83,88,91
	40.1	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
635	0.0	7.35e-03	4.42e-03	9.01e-03	83,83,91	0.0	0.0	0.0	0,0,0	2.97e-03	1.83e-03	1.55e-03	83,88,91
	40.0	7.37e-03	4.44e-03	9.12e-03	83,83,91	0.0	0.0	0.0	0,0,0				
636	0.0	6.21e-03	3.83e-03	6.84e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.55e-03	1.36e-03	1.31e-03	82,87,92
	40.1	7.04e-03	4.28e-03	7.78e-03	85,85,92	0.0	0.0	0.0	0,0,0				
637	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.84e-03	-1.50e-03	-1.36e-03	81,87,92
	40.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
638	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.75e-03	-5.31e-04	-4.45e-04	85,90,92
	40.1	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
639	0.0	4.70e-03	0.01	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-2.04e-03	-1.71e-03	-8.11e-04	81,87,92
	41.5	4.10e-03	0.02	1.35e-03	83,81,91	0.0	0.0	0.0	0,0,0				
640	0.0	6.38e-03	3.94e-03	6.77e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.84e-03	-1.70e-03	-1.64e-03	81,87,92
	40.1	0.01	6.24e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
641	0.0	0.01	0.04	0.01	81,83,92	0.0	0.0	0.0	0,0,0	-2.08e-03	-8.78e-04	-5.84e-04	85,90,92

	40.1	0.01	0.05	0.02	85,83,92	0.0	0.0	0.0	0,0,0				
642	0.0	1.57e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.83e-03	-1.50e-03	-1.36e-03	81,87,92
	41.5	2.21e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
643	0.0	7.06e-03	0.04	3.84e-03	85,81,91	0.0	0.0	0.0	0,0,0	-2.35e-03	-1.99e-03	-1.85e-03	81,87,92
	40.0	7.62e-03	0.04	5.24e-03	85,81,91	0.0	0.0	0.0	0,0,0				
644	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	4.87e-03	3.83e-03	3.62e-03	85,90,92
	40.1	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
645	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.74e-03	3.89e-03	3.43e-03	83,88,91
	40.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
646	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	7.64e-04	6.50e-04	6.18e-04	82,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
647	0.0	0.08	0.05	0.09	85,85,92	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	85,90,92
	40.1	0.10	0.05	0.10	85,85,92	0.0	0.0	0.0	0,0,0				
648	0.0	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	2.31e-03	1.52e-03	1.33e-03	85,90,92
	40.1	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
649	0.0	0.10	0.06	0.11	85,85,92	0.0	0.0	0.0	0,0,0	-4.69e-03	-3.88e-03	-3.68e-03	83,88,91
	40.1	0.07	0.04	0.08	85,85,92	0.0	0.0	0.0	0,0,0				
650	0.0	0.01	6.08e-03	0.01	83,83,91	0.0	0.0	0.0	0,0,0	2.81e-03	1.69e-03	1.41e-03	83,88,91
	40.0	0.01	6.07e-03	0.01	83,83,91	0.0	0.0	0.0	0,0,0				
651	0.0	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.89e-03	-1.54e-03	-7.19e-04	81,87,92
	40.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
652	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.82e-03	-1.07e-03	-8.95e-04	85,90,92
	40.1	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
653	0.0	6.84e-03	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.02e-03	-1.68e-03	-1.56e-03	81,87,92
	41.5	3.93e-03	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
654	0.0	5.35e-03	3.23e-03	5.91e-03	82,82,92	0.0	0.0	0.0	0,0,0	-1.71e-03	-1.57e-03	-1.52e-03	81,87,92
	40.1	9.68e-03	5.54e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
655	0.0	0.02	0.03	0.02	81,83,92	0.0	0.0	0.0	0,0,0	-2.39e-03	-1.16e-03	-8.75e-04	85,90,92
	40.1	3.22e-03	7.42e-03	1.99e-03	81,83,91	0.0	0.0	0.0	0,0,0				
656	0.0	1.83e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.76e-03	-7.34e-04	-6.67e-04	81,87,92
	41.5	1.28e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
657	0.0	5.11e-03	0.02	3.91e-03	85,81,91	0.0	0.0	0.0	0,0,0	-2.03e-03	-1.70e-03	-1.57e-03	81,87,92
	40.0	6.04e-03	0.03	5.53e-03	85,81,91	0.0	0.0	0.0	0,0,0				
658	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.00e-03	3.94e-03	3.73e-03	85,90,92
	40.1	0.0	0.13	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
659	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.85e-03	3.98e-03	3.51e-03	83,88,91
	40.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
660	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	7.52e-04	6.41e-04	6.09e-04	82,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
661	0.0	0.08	0.05	0.08	85,85,92	0.0	0.0	0.0	0,0,0	2.37e-03	1.43e-03	1.20e-03	85,90,92
	40.1	0.06	0.04	0.06	85,85,92	0.0	0.0	0.0	0,0,0				
662	0.0	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	2.52e-03	1.79e-03	1.62e-03	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
663	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.00e-03	-1.64e-03	-1.49e-03	81,87,92
	40.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
664	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.94e-03	-1.14e-03	-9.56e-04	85,90,92
	40.1	2.86e-03	0.02	0.0	85,83,0	0.0	0.0	0.0	0,0,0				
665	0.0	5.20e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-2.07e-03	-1.77e-03	-1.65e-03	81,87,92
	41.5	0.01	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
666	0.0	6.64e-03	3.95e-03	7.20e-03	82,82,92	0.0	0.0	0.0	0,0,0	-1.67e-03	-1.53e-03	-1.47e-03	81,87,92
	40.1	6.20e-03	3.70e-03	6.81e-03	85,85,92	0.0	0.0	0.0	0,0,0				
667	0.0	0.04	0.03	0.04	81,83,92	0.0	0.0	0.0	0,0,0	-3.18e-03	-1.90e-03	-1.63e-03	85,90,92
	40.1	0.03	0.01	0.03	81,81,92	0.0	0.0	0.0	0,0,0				
668	0.0	5.08e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.72e-03	-1.40e-03	-1.28e-03	81,87,92
	41.5	1.35e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
669	0.0	4.02e-03	0.01	2.97e-03	83,81,92	0.0	0.0	0.0	0,0,0	-1.84e-03	-1.54e-03	-1.42e-03	81,87,92
	40.0	4.19e-03	0.01	3.87e-03	83,81,92	0.0	0.0	0.0	0,0,0				
670	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.20e-03	4.09e-03	3.87e-03	85,90,92
	40.1	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
671	0.0	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0	7.90e-04	6.75e-04	6.38e-04	82,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
672	0.0	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	-4.82e-04	-2.64e-04	-2.42e-04	83,88,91
	40.1	0.08	0.05	0.08	85,85,92	0.0	0.0	0.0	0,0,0				
673	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.21e-03	-1.83e-03	-1.67e-03	81,87,92
	40.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
674	0.0	2.56e-03	0.02	0.0	85,83,0	0.0	0.0	0.0	0,0,0	-2.15e-03	-1.28e-03	-1.07e-03	85,90,92
	40.1	7.24e-03	0.03	0.0	85,83,0	0.0	0.0	0.0	0,0,0				
675	0.0	1.08e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-2.08e-03	-1.78e-03	-1.66e-03	81,87,92
	41.5	4.42e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
676	0.0	7.28e-03	4.26e-03	8.10e-03	82,82,92	0.0	0.0	0.0	0,0,0	-1.82e-03	-1.65e-03	-1.59e-03	81,87,92
	40.1	5.38e-03	3.24e-03	5.51e-03	81,81,92	0.0	0.0	0.0	0,0,0				
677	0.0	0.03	0.02	0.03	81,83,92	0.0	0.0	0.0	0,0,0	-4.27e-03	-2.92e-03	-2.66e-03	85,90,92
	40.1	0.02	0.01	0.02	81,81,92	0.0	0.0	0.0	0,0,0				
678	0.0	1.83e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.77e-03	-1.46e-03	-1.34e-03	81,87,92
	41.5	6.02e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
679	0.0	4.48e-03	2.78e-03	2.02e-03	83,83,91	0.0	0.0	0.0	0,0,0	-9.08e-04	-7.60e-04	-7.00e-04	81,87,92
	40.0	4.75e-03	2.92e-03	2.02e-03	83,83,91	0.0	0.0	0.0	0,0,0				
680	0.0	0.0	0.16	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.46e-03	4.30e-03	4.06e-03	85,90,92
	40.1	0.0	0.16	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
681	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	7.27e-04	6.13e-04	5.73e-04	82,87,92
	40.1	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
682	0.0	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	-1.65e-03	-1.05e-03	-8.95e-04	83,88,91
	40.1	0.08	0.05	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
683	0.0	0.07	0.04	0.06	85,85,92	0.0	0.0	0.0	0,0,0	1.67e-03	1.00e-03	8.43e-04	85,90,92
	40.1	0.05	0.03	0.05	85,85,92	0.0	0.0	0.0	0,0,0				
684	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.48e-03	-2.06e-03	-1.89e-03	81,87,92
	40.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
685	0.0	7.19e-03	0.03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-2.54e-03	-1.53e-03	-1.28e-03	85,90,92
	40.1	0.01	0.04	0.0	85,83,0	0.0	0.0	0.0	0,0,0				
686	0.0	1.46e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-2.00e-03	-1.71e-03	-1.59e-03	81,87,92
	41.5	1.70e-03	0.03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
687	0.0	6.38e-03	3.74e-03	7.18e-03	82,82,92	0.0	0.0	0.0	0,0,0	-2.06e-03	-1.87e-03	-1.79e-03	81,87,92
	40.1	6.60e-03	3.85e-03	7.22e-03	81,81,92	0.0	0.0	0.0	0,0,0				
688	0.0	0.03	0.02	0.04	81,83,92	0.0	0.0	0.0	0,0,0	-5.42e-03	-4.00e-03	-3.75e-03	85,90,92
	40.1	0.03	0.02	0.04	81,81,92	0.0	0.0	0.0	0,0,0				
689	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-9.04e-04	-1.46e-03	-1.35e-03	81,87,92
	41.5	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
690	0.0	6.15e-03	3.77e-03	3.98e-03	83,83,91	0.0	0.0	0.0	0,0,0	-1.78e-03	-1.50e-03	-1.39e-03	81,87,92
	40.0	6.86e-03	4.15e-03	4.54e-03	83,83,91	0.0	0.0	0.0	0,0,0				
691	0.0	0.0	0.17	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.78e-03	4.56e-03	4.30e-03	85,90,92
	40.1	0.0	0.17	0.0	0,83,0	0.0	0.0	0.0	0,0,0				

692	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	5.89e-04	4.86e-04	4.51e-04	82,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
693	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.72e-03	-2.27e-03	-2.09e-03	81,87,92
	40.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
694	0.0	0.01	0.03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-3.19e-03	-1.94e-03	-1.63e-03	85,90,92
	40.1	0.01	0.03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
695	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.92e-03	-1.64e-03	-1.52e-03	81,87,92
	41.5	5.03e-04	0.04	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
696	0.0	4.16e-03	2.49e-03	4.66e-03	82,82,92	0.0	0.0	0.0	0,0,0	-2.29e-03	-2.08e-03	-1.99e-03	81,87,92
	40.1	6.17e-03	3.56e-03	6.97e-03	81,81,92	0.0	0.0	0.0	0,0,0				
697	0.0	0.03	0.02	0.03	81,81,92	0.0	0.0	0.0	0,0,0	-6.70e-03	-5.21e-03	-4.96e-03	85,87,92
	40.1	0.04	0.02	0.04	81,85,92	0.0	0.0	0.0	0,0,0				
698	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.70e-03	-1.41e-03	-1.29e-03	81,87,92
	41.5	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
699	0.0	6.98e-03	4.29e-03	4.99e-03	83,83,91	0.0	0.0	0.0	0,0,0	-1.82e-03	-1.55e-03	-1.44e-03	81,87,92
	40.0	8.07e-03	4.87e-03	6.06e-03	83,83,91	0.0	0.0	0.0	0,0,0				
700	0.0	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.19e-03	4.87e-03	4.59e-03	85,90,92
	40.1	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
701	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	5.06e-04	4.13e-04	3.81e-04	82,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
702	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.87e-03	-2.39e-03	-2.20e-03	81,87,92
	40.0	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
703	0.0	0.01	0.03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-4.12e-03	-2.52e-03	-2.13e-03	85,90,92
	40.1	0.01	0.03	0.0	85,83,0	0.0	0.0	0.0	0,0,0				
704	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.86e-03	-1.58e-03	-1.47e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
705	0.0	2.96e-03	1.78e-03	3.12e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.39e-03	-2.18e-03	-2.09e-03	81,87,92
	40.1	3.86e-03	2.26e-03	4.44e-03	81,82,92	0.0	0.0	0.0	0,0,0				
706	0.0	0.02	0.01	0.03	81,81,92	0.0	0.0	0.0	0,0,0	-7.94e-03	-6.44e-03	-6.14e-03	85,87,92
	40.1	0.04	0.03	0.04	81,85,92	0.0	0.0	0.0	0,0,0				
707	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.64e-03	-1.35e-03	-1.24e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
708	0.0	0.0	0.21	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.78e-03	5.29e-03	4.97e-03	85,90,92
	40.1	0.0	0.20	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
709	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	4.52e-04	3.67e-04	3.37e-04	82,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
710	0.0	0.02	0.03	0.0	85,83,0	0.0	0.0	0.0	0,0,0	-3.78e-03	-2.44e-03	-2.12e-03	85,90,92
	40.1	0.04	0.08	0.02	85,83,92	0.0	0.0	0.0	0,0,0				
711	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.80e-03	-1.53e-03	-1.42e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
712	0.0	2.92e-03	1.67e-03	3.17e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.35e-03	-2.14e-03	-2.06e-03	81,87,92
	40.1	2.28e-03	1.34e-03	2.34e-03	82,82,92	0.0	0.0	0.0	0,0,0				
713	0.0	0.01	7.58e-03	0.02	81,81,92	0.0	0.0	0.0	0,0,0	-8.96e-03	-7.49e-03	-7.16e-03	85,87,92
	40.1	0.03	0.03	0.04	81,85,92	0.0	0.0	0.0	0,0,0				
714	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.59e-03	-1.31e-03	-1.19e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
715	0.0	0.0	0.20	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.99e-03	6.12e-03	5.71e-03	85,90,92
	40.1	0.0	0.21	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
716	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	3.98e-04	3.21e-04	2.91e-04	82,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
717	0.0	0.04	0.04	0.02	85,83,92	0.0	0.0	0.0	0,0,0	-2.01e-03	-1.52e-03	-1.40e-03	85,90,92
	40.1	0.01	8.11e-03	3.75e-03	85,85,92	0.0	0.0	0.0	0,0,0				
718	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.74e-03	-1.48e-03	-1.37e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
719	0.0	1.28e-03	7.39e-04	1.36e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.23e-03	-2.04e-03	-1.96e-03	81,87,92
	40.1	3.48e-03	2.40e-03	3.93e-03	81,81,92	0.0	0.0	0.0	0,0,0				
720	0.0	3.69e-03	2.16e-03	4.92e-03	79,79,91	0.0	0.0	0.0	0,0,0	-9.56e-03	-8.16e-03	-7.82e-03	85,87,92
	40.1	0.02	0.02	0.03	81,85,92	0.0	0.0	0.0	0,0,0				
721	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.54e-03	-1.26e-03	-1.15e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
722	0.0	0.0	0.18	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.98e-03	6.77e-03	6.27e-03	85,90,92
	40.1	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
723	0.0	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0	3.18e-04	2.48e-04	2.20e-04	81,87,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
724	0.0	0.02	9.37e-03	5.48e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.66e-03	-1.44e-03	-1.39e-03	85,90,92
	40.1	0.01	7.13e-03	7.38e-03	85,85,92	0.0	0.0	0.0	0,0,0				
725	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.68e-03	-1.42e-03	-1.32e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
726	0.0	1.61e-03	1.98e-03	1.37e-03	85,83,92	0.0	0.0	0.0	0,0,0	-2.18e-03	-1.99e-03	-1.92e-03	81,87,92
	40.1	2.76e-03	4.31e-03	3.15e-03	81,81,92	0.0	0.0	0.0	0,0,0				
727	0.0	0.01	0.02	9.51e-03	85,85,92	0.0	0.0	0.0	0,0,0	-9.64e-03	-8.34e-03	-8.01e-03	82,87,92
	40.1	5.99e-03	9.67e-03	7.98e-03	79,83,91	0.0	0.0	0.0	0,0,0				
728	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.49e-03	-1.22e-03	-1.12e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
729	0.0	0.0	0.22	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.72e-03	6.78e-03	6.36e-03	85,90,92
	40.1	0.0	0.18	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
730	0.0	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0	1.90e-04	-1.45e-04	-1.32e-04	81,87,91
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
731	0.0	0.01	7.77e-03	7.13e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.34e-03	-1.84e-03	-1.72e-03	85,90,92
	40.1	0.01	7.85e-03	6.92e-03	85,85,92	0.0	0.0	0.0	0,0,0				
732	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-8.36e-04	-7.04e-04	-6.51e-04	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
733	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.44e-03	-6.03e-04	-5.50e-04	81,87,92
	41.5	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
734	0.0	0.0	0.11	0.0	0,83,0	0.0	0.0	0.0	0,0,0	9.18e-03	7.57e-03	7.23e-03	85,90,92
	40.1	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
735	0.0	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0	-1.47e-04	-1.44e-04	-1.43e-04	83,88,91
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
736	0.0	0.01	8.16e-03	7.12e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.64e-03	-1.02e-03	-1.84e-03	85,90,92
	40.1	0.01	7.11e-03	6.87e-03	85,85,92	0.0	0.0	0.0	0,0,0				
737	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.62e-03	-1.37e-03	-1.27e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
738	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.39e-03	-1.13e-03	-1.03e-03	81,87,92
	41.5	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
739	0.0	0.02	0.02	0.01	83,83,91	0.0	0.0	0.0	0,0,0	0.01	9.63e-03	9.17e-03	85,90,92
	40.1	0.04	0.05	0.04	85,83,92	0.0	0.0	0.0	0,0,0				
740	0.0	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0	-4.30e-04	-3.88e-04	-3.77e-04	83,88,91
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
741	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.14e-03	6.02e-03	5.79e-03	85,90,92
	40.1	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
742	0.0	0.01	8.75e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-2.60e-03	-1.92e-03	-1.76e-03	85,90,92

	40.1	0.02	9.33e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
743	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.66e-03	-1.42e-03	-1.33e-03	81,87,92
	41.5	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
744	0.0	2.62e-03	0.04	0.0	83,82,0	0.0	0.0	0.0	0,0,0	-1.40e-03	-1.15e-03	-1.04e-03	81,87,92
	41.5	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
745	0.0	0.01	7.41e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	0.01	9.82e-03	9.33e-03	85,90,92
	40.1	0.02	9.94e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
746	0.0	0.01	8.28e-03	0.02	82,82,92	0.0	0.0	0.0	0,0,0	-5.53e-04	-5.14e-04	-5.04e-04	83,88,91
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
747	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.77e-03	6.61e-03	6.38e-03	85,90,92
	40.1	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
748	0.0	2.49e-03	0.10	0.0	81,83,0	0.0	0.0	0.0	0,0,0	9.52e-03	7.84e-03	7.47e-03	85,90,92
	40.1	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
749	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-2.38e-03	-1.72e-03	-1.56e-03	85,90,92
	40.1	0.02	0.01	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
750	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.67e-03	-1.43e-03	-1.34e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
751	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.46e-03	-1.22e-03	-1.12e-03	81,87,92
	41.5	3.26e-03	0.04	0.0	83,82,0	0.0	0.0	0.0	0,0,0				
752	0.0	0.02	0.01	0.02	82,82,92	0.0	0.0	0.0	0,0,0	0.01	9.75e-03	9.25e-03	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
753	0.0	0.01	7.29e-03	0.01	85,82,92	0.0	0.0	0.0	0,0,0	-4.76e-04	-4.61e-04	-4.58e-04	83,88,91
	40.1	0.02	9.12e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
754	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.44e-03	7.06e-03	6.77e-03	85,90,92
	40.1	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
755	0.0	0.02	0.10	0.02	85,83,92	0.0	0.0	0.0	0,0,0	0.01	8.40e-03	8.00e-03	85,90,92
	40.1	8.34e-03	0.07	6.78e-04	81,83,92	0.0	0.0	0.0	0,0,0				
756	0.0	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.91e-03	6.06e-03	5.90e-03	85,90,92
	40.1	0.0	0.15	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
757	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-2.05e-03	-1.45e-03	-1.31e-03	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
758	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.62e-03	-7.13e-04	-6.65e-04	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
759	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.47e-03	-1.24e-03	-1.14e-03	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
760	0.0	0.01	6.65e-03	0.01	85,82,92	0.0	0.0	0.0	0,0,0	-4.48e-04	-4.38e-04	-4.36e-04	83,88,91
	40.1	0.01	7.86e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
761	0.0	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.87e-03	7.35e-03	7.03e-03	85,90,92
	40.1	0.0	0.12	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
762	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-1.68e-03	-1.14e-03	-1.02e-03	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
763	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.57e-03	-1.34e-03	-1.25e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
764	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-7.36e-04	-6.15e-04	-5.66e-04	81,87,92
	41.5	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
765	0.0	0.01	6.33e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	-4.23e-04	-4.14e-04	-4.12e-04	83,88,91
	40.1	0.01	7.27e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
766	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-1.29e-03	-8.24e-04	-7.13e-04	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
767	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.52e-03	-1.30e-03	-6.20e-04	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
768	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.39e-03	-5.94e-04	-5.46e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
769	0.0	0.01	6.25e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	-4.06e-04	-3.97e-04	-3.94e-04	83,88,91
	40.1	0.01	6.90e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
770	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-8.93e-04	-5.03e-04	-4.11e-04	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
771	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.48e-03	-1.26e-03	-6.00e-04	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
772	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-6.93e-04	-5.76e-04	-5.29e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
773	0.0	0.01	6.30e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	-4.07e-04	-3.96e-04	-3.93e-04	83,88,91
	40.1	0.01	6.56e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
774	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-5.14e-04	-1.97e-04	-1.24e-04	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
775	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.43e-03	-1.22e-03	-1.13e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
776	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-6.75e-04	-5.61e-04	-5.15e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
777	0.0	0.01	6.42e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	-4.34e-04	-4.20e-04	-4.17e-04	83,88,91
	40.1	0.01	6.19e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
778	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-1.92e-04	1.37e-04	1.37e-04	85,86,91
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
779	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.38e-03	-6.00e-04	-5.56e-04	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
780	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-6.56e-04	-5.44e-04	-4.99e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
781	0.0	0.01	6.53e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	-4.91e-04	-4.75e-04	-4.71e-04	83,88,91
	40.1	9.25e-03	5.73e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
782	0.0	0.02	0.01	0.01	85,85,92	0.0	0.0	0.0	0,0,0	2.92e-04	2.92e-04	2.92e-04	79,86,91
	40.1	0.02	9.43e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
783	0.0	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.34e-03	-1.13e-03	-1.04e-03	81,87,92
	41.5	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
784	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-6.34e-04	-5.23e-04	-4.79e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
785	0.0	0.01	6.49e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	-5.83e-04	-5.65e-04	-5.61e-04	83,88,91
	40.1	9.23e-03	5.70e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
786	0.0	0.02	9.22e-03	8.35e-03	85,85,92	0.0	0.0	0.0	0,0,0	2.79e-04	2.79e-04	2.79e-04	79,86,91
	40.1	0.02	9.37e-03	8.91e-03	85,85,92	0.0	0.0	0.0	0,0,0				
787	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.35e-03	-1.14e-03	-1.05e-03	81,87,92
	41.5	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
788	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.20e-03	-9.82e-04	-8.97e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
789	0.0	0.01	6.16e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	-7.11e-04	-6.90e-04	-6.86e-04	85,90,92
	40.1	9.73e-03	5.93e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
790	0.0	0.01	8.94e-03	8.46e-03	85,85,92	0.0	0.0	0.0	0,0,0	-6.46e-04	-1.05e-04	3.76e-05	85,90,91
	40.1	0.02	0.01	8.37e-03	85,85,92	0.0	0.0	0.0	0,0,0				
791	0.0	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.39e-03	-1.19e-03	-1.11e-03	81,87,92
	41.5	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
792	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.22e-03	-1.01e-03	-9.21e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				

793	0.0	8.98e-03	5.49e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	-8.63e-04	-8.36e-04	-8.30e-04	85,87,92
	40.1	9.96e-03	6.01e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
794	0.0	0.02	0.01	4.94e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.90e-04	-7.20e-05	-5.15e-05	85,90,92
	40.1	0.04	0.02	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
795	0.0	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.40e-03	-1.21e-03	-1.13e-03	81,87,92
	41.5	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
796	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.28e-03	-1.08e-03	-9.96e-04	81,87,92
	41.5	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
797	0.0	7.44e-03	4.62e-03	8.58e-03	81,81,92	0.0	0.0	0.0	0,0,0	-1.00e-03	-9.66e-04	-9.56e-04	82,87,92
	40.1	9.69e-03	5.82e-03	0.01	81,81,92	0.0	0.0	0.0	0,0,0				
798	0.0	0.04	0.06	0.02	85,83,92	0.0	0.0	0.0	0,0,0	1.46e-03	8.47e-04	6.93e-04	83,88,91
	40.1	9.54e-03	0.02	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
799	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.36e-03	-5.97e-04	-5.57e-04	81,87,92
	41.5	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
800	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.30e-03	-1.10e-03	-1.02e-03	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
801	0.0	7.94e-03	4.85e-03	9.18e-03	81,81,92	0.0	0.0	0.0	0,0,0	-1.09e-03	-1.04e-03	-1.03e-03	82,87,92
	40.1	8.81e-03	5.31e-03	0.01	81,81,92	0.0	0.0	0.0	0,0,0				
802	0.0	8.71e-03	0.02	0.0	85,79,0	0.0	0.0	0.0	0,0,0	1.51e-03	6.82e-04	4.76e-04	83,88,91
	40.1	0.02	0.04	0.01	85,79,92	0.0	0.0	0.0	0,0,0				
803	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.30e-03	-1.11e-03	-1.04e-03	81,87,92
	41.5	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
804	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-6.45e-04	-5.45e-04	-5.04e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
805	0.0	8.12e-03	4.91e-03	9.36e-03	81,81,92	0.0	0.0	0.0	0,0,0	-1.10e-03	-1.06e-03	-1.04e-03	82,87,92
	40.1	7.45e-03	4.55e-03	8.52e-03	81,81,92	0.0	0.0	0.0	0,0,0				
806	0.0	0.02	0.03	0.01	83,79,92	0.0	0.0	0.0	0,0,0	3.03e-04	-2.25e-04	-2.22e-04	83,87,92
	40.1	0.02	0.03	0.01	83,79,92	0.0	0.0	0.0	0,0,0				
807	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.26e-03	-1.07e-03	-9.92e-04	81,87,92
	41.5	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
808	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-6.23e-04	-5.24e-04	-4.84e-04	81,87,92
	41.5	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
809	0.0	8.35e-03	4.98e-03	9.66e-03	81,81,92	0.0	0.0	0.0	0,0,0	-1.06e-03	-1.01e-03	-1.00e-03	82,87,92
	40.1	6.38e-03	3.91e-03	7.15e-03	82,82,92	0.0	0.0	0.0	0,0,0				
810	0.0	0.02	0.02	0.01	83,79,92	0.0	0.0	0.0	0,0,0	-6.85e-04	-6.80e-04	-6.78e-04	81,87,92
	40.1	0.01	0.01	8.36e-03	85,79,92	0.0	0.0	0.0	0,0,0				
811	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.21e-03	-1.02e-03	-9.51e-04	81,87,92
	41.5	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
812	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-6.04e-04	-5.06e-04	-4.67e-04	81,87,92
	41.5	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
813	0.0	8.67e-03	5.09e-03	9.90e-03	82,82,92	0.0	0.0	0.0	0,0,0	-9.66e-04	-9.32e-04	-9.19e-04	81,87,92
	40.1	6.55e-03	3.96e-03	7.36e-03	82,82,92	0.0	0.0	0.0	0,0,0				
814	0.0	0.01	6.40e-03	5.29e-03	85,85,92	0.0	0.0	0.0	0,0,0	-8.75e-04	-8.71e-04	-8.70e-04	81,87,92
	40.1	8.60e-03	5.15e-03	3.73e-03	85,85,92	0.0	0.0	0.0	0,0,0				
815	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.16e-03	-9.78e-04	-9.05e-04	81,87,92
	41.5	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
816	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-5.85e-04	-4.90e-04	-4.52e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
817	0.0	8.90e-03	5.18e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	-8.40e-04	-8.08e-04	-7.95e-04	81,87,92
	40.1	6.28e-03	3.80e-03	7.14e-03	81,81,92	0.0	0.0	0.0	0,0,0				
818	0.0	8.74e-03	5.44e-03	6.11e-03	85,85,92	0.0	0.0	0.0	0,0,0	-8.92e-04	-8.69e-04	-8.64e-04	85,90,92
	40.1	9.54e-03	5.87e-03	6.47e-03	85,85,92	0.0	0.0	0.0	0,0,0				
819	0.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.10e-03	-9.24e-04	-8.53e-04	81,87,92
	41.5	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
820	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.10e-03	-4.72e-04	-4.34e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
821	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-9.30e-04	-8.97e-04	-8.85e-04	81,87,92
	40.1	0.02	9.84e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
822	0.0	0.01	8.38e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-7.55e-04	-7.36e-04	-7.32e-04	85,90,92
	40.1	0.01	8.28e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
823	0.0	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.06e-03	-8.75e-04	-8.04e-04	81,87,92
	41.5	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
824	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-5.42e-04	-4.50e-04	-4.13e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
825	0.0	5.30e-03	3.16e-03	5.87e-03	82,82,92	0.0	0.0	0.0	0,0,0	-1.06e-03	-1.01e-03	-9.95e-04	82,87,92
	40.1	9.13e-03	5.10e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
826	0.0	0.02	0.01	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-5.27e-04	-5.27e-04	-5.27e-04	79,86,91
	40.1	0.02	0.01	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
827	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.06e-03	-8.82e-04	-8.13e-04	81,87,92
	41.5	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
828	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.01e-03	-8.35e-04	-7.63e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
829	0.0	3.02e-03	3.96e-03	2.97e-03	81,83,92	0.0	0.0	0.0	0,0,0	-9.67e-04	-9.28e-04	-9.14e-04	82,87,92
	40.1	8.42e-03	0.01	9.32e-03	85,83,92	0.0	0.0	0.0	0,0,0				
830	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-2.79e-04	-2.79e-04	-2.79e-04	79,86,91
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
831	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.10e-03	-9.30e-04	-8.64e-04	81,87,92
	41.5	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
832	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.03e-03	-8.56e-04	-7.86e-04	81,87,92
	41.5	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
833	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.99e-04	-8.65e-04	-8.51e-04	82,87,92
	40.1	6.47e-03	0.03	6.50e-03	81,83,92	0.0	0.0	0.0	0,0,0				
834	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	1.12e-04	-5.37e-05	-5.37e-05	85,86,91
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
835	0.0	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-5.56e-04	-4.73e-04	-4.40e-04	81,87,92
	41.5	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
836	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.09e-03	-9.23e-04	-8.56e-04	81,87,92
	41.5	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
837	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.08e-04	-7.77e-04	-3.92e-04	81,87,92
	40.1	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
838	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	4.62e-04	3.17e-04	2.82e-04	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
839	0.0	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.03e-03	-8.75e-04	-8.11e-04	81,87,92
	41.5	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
840	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.09e-03	-9.31e-04	-8.64e-04	81,87,92
	41.5	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
841	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.00e-04	-3.46e-04	-3.40e-04	81,87,92
	40.1	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
842	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	8.11e-04	6.13e-04	5.64e-04	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
843	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.79e-04	-8.23e-04	-7.60e-04	81,87,92

	41.5	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
844	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.05e-03	-4.57e-04	-4.23e-04	81,87,92
	41.5	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
845	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.92e-04	-5.70e-04	-5.61e-04	81,87,92
	40.1	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
846	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	1.12e-03	8.78e-04	8.19e-04	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
847	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.31e-04	-7.78e-04	-7.17e-04	81,87,92
	41.5	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
848	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.01e-03	-4.35e-04	-4.03e-04	81,87,92
	41.5	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
849	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.93e-04	-4.76e-04	-4.70e-04	81,87,92
	40.1	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
850	0.0	0.02	0.01	0.01	85,85,92	0.0	0.0	0.0	0,0,0	1.31e-03	1.06e-03	1.00e-03	85,90,92
	40.1	0.02	0.01	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
851	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.88e-04	-7.39e-04	-6.79e-04	81,87,92
	41.5	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
852	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.98e-04	-4.18e-04	-3.86e-04	81,87,92
	41.5	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
853	0.0	4.34e-03	0.03	3.91e-03	81,83,92	0.0	0.0	0.0	0,0,0	-4.18e-04	-4.06e-04	-4.02e-04	81,87,92
	40.1	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
854	0.0	0.01	9.25e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	1.24e-03	1.08e-03	1.04e-03	85,90,92
	40.1	0.01	9.08e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
855	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.46e-04	-3.59e-04	-3.29e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
856	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.81e-04	-4.04e-04	-3.73e-04	81,87,92
	41.5	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
857	0.0	7.37e-03	0.02	8.59e-03	82,83,92	0.0	0.0	0.0	0,0,0	-3.95e-04	-3.85e-04	-3.81e-04	81,87,92
	40.1	3.43e-03	0.01	4.36e-03	82,83,92	0.0	0.0	0.0	0,0,0				
858	0.0	0.01	8.73e-03	8.65e-03	85,85,92	0.0	0.0	0.0	0,0,0	9.14e-04	9.06e-04	9.03e-04	81,87,92
	40.1	0.03	0.02	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
859	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-4.10e-04	-3.36e-04	-3.07e-04	81,87,92
	41.5	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
860	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.64e-04	-3.89e-04	-3.58e-04	81,87,92
	41.5	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
861	0.0	0.01	0.01	0.01	85,83,92	0.0	0.0	0.0	0,0,0	-4.30e-04	-4.16e-04	-4.11e-04	81,87,92
	40.1	6.91e-03	6.80e-03	8.29e-03	85,83,92	0.0	0.0	0.0	0,0,0				
862	0.0	0.02	0.01	0.01	85,85,92	0.0	0.0	0.0	0,0,0	1.48e-03	1.19e-03	1.12e-03	85,90,92
	40.1	0.04	0.02	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
863	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-7.55e-04	-6.13e-04	-5.56e-04	81,87,92
	41.5	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
864	0.0	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-4.45e-04	-3.71e-04	-3.41e-04	81,87,92
	41.5	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
865	0.0	8.49e-03	5.05e-03	9.93e-03	82,82,92	0.0	0.0	0.0	0,0,0	-6.20e-04	-5.93e-04	-5.82e-04	81,87,92
	40.1	0.02	9.79e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
866	0.0	0.05	0.07	0.03	85,83,92	0.0	0.0	0.0	0,0,0	3.34e-03	2.18e-03	1.89e-03	85,90,92
	40.1	0.02	0.02	7.84e-03	85,83,92	0.0	0.0	0.0	0,0,0				
867	0.0	4.04e-03	0.04	0.0	83,85,0	0.0	0.0	0.0	0,0,0	-8.09e-04	-6.68e-04	-6.12e-04	81,87,92
	41.5	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
868	0.0	2.10e-03	0.02	0.0	83,85,0	0.0	0.0	0.0	0,0,0	-8.28e-04	-6.85e-04	-6.28e-04	81,87,92
	41.5	0.0	0.01	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
869	0.0	0.01	6.45e-03	0.01	85,82,92	0.0	0.0	0.0	0,0,0	-9.35e-04	-8.88e-04	-8.69e-04	81,87,92
	40.1	0.02	0.01	0.02	82,82,92	0.0	0.0	0.0	0,0,0				
870	0.0	0.02	0.03	1.84e-03	85,83,92	0.0	0.0	0.0	0,0,0	3.83e-03	2.37e-03	2.00e-03	85,90,92
	40.1	0.01	0.03	5.19e-03	85,79,92	0.0	0.0	0.0	0,0,0				
871	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.02e-04	-7.64e-04	-7.09e-04	81,87,92
	41.5	4.08e-03	0.03	0.0	83,85,0	0.0	0.0	0.0	0,0,0				
872	0.0	7.82e-03	0.03	1.50e-03	83,85,91	0.0	0.0	0.0	0,0,0	-8.89e-04	-7.48e-04	-6.91e-04	81,87,92
	41.5	3.66e-03	0.02	0.0	83,85,0	0.0	0.0	0.0	0,0,0				
873	0.0	0.01	7.54e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-1.23e-03	-1.16e-03	-1.13e-03	81,87,92
	40.1	0.02	0.01	0.02	82,82,92	0.0	0.0	0.0	0,0,0				
874	0.0	0.01	0.03	3.71e-03	85,79,92	0.0	0.0	0.0	0,0,0	2.82e-03	1.74e-03	1.47e-03	85,90,92
	40.1	0.02	0.03	3.31e-03	85,79,92	0.0	0.0	0.0	0,0,0				
875	0.0	0.0	0.01	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-9.28e-04	-7.93e-04	-7.39e-04	81,87,92
	41.5	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
876	0.0	3.56e-03	0.01	2.63e-04	83,85,91	0.0	0.0	0.0	0,0,0	-9.93e-04	-8.56e-04	-8.01e-04	81,87,92
	41.5	6.93e-03	0.02	1.83e-03	83,85,91	0.0	0.0	0.0	0,0,0				
877	0.0	0.02	0.05	0.0	85,83,0	0.0	0.0	0.0	0,0,0	2.06e-03	1.25e-03	1.05e-03	85,90,92
	40.1	9.80e-03	0.04	0.0	85,83,0	0.0	0.0	0.0	0,0,0				
878	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.64e-04	-3.95e-04	-3.67e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
879	0.0	0.0	6.59e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.03e-03	-8.97e-04	-8.43e-04	81,87,92
	41.5	3.55e-03	0.01	7.62e-04	83,85,91	0.0	0.0	0.0	0,0,0				
880	0.0	8.55e-03	0.05	0.0	85,83,0	0.0	0.0	0.0	0,0,0	1.54e-03	9.11e-04	7.58e-04	85,90,92
	40.1	2.55e-03	0.04	0.0	85,83,0	0.0	0.0	0.0	0,0,0				
881	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.87e-04	-7.52e-04	-6.98e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
882	0.0	5.75e-04	6.62e-03	0.0	83,82,0	0.0	0.0	0.0	0,0,0	-1.01e-03	-8.75e-04	-8.21e-04	81,87,92
	41.5	3.64e-05	6.03e-03	0.0	83,82,0	0.0	0.0	0.0	0,0,0				
883	0.0	5.77e-04	0.04	0.0	85,83,0	0.0	0.0	0.0	0,0,0	1.19e-03	6.79e-04	5.56e-04	85,90,92
	40.1	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
884	0.0	0.0	8.97e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.82e-04	-7.47e-04	-6.92e-04	81,87,92
	41.5	0.0	9.14e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
885	0.0	0.0	5.09e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-9.95e-04	-8.61e-04	-8.08e-04	81,87,92
	41.5	6.72e-04	5.59e-03	0.0	83,85,0	0.0	0.0	0.0	0,0,0				
886	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	9.45e-04	5.17e-04	4.15e-04	85,90,92
	40.1	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
887	0.0	0.0	6.51e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.85e-04	-7.49e-04	-6.95e-04	81,87,92
	41.5	0.0	6.48e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
888	0.0	0.0	3.46e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-9.94e-04	-8.60e-04	-8.07e-04	81,87,92
	41.5	2.40e-04	3.63e-03	0.0	83,85,0	0.0	0.0	0.0	0,0,0				
889	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.66e-04	4.00e-04	3.13e-04	85,90,92
	40.1	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
890	0.0	0.0	4.38e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-8.92e-04	-7.57e-04	-7.02e-04	81,87,92
	41.5	0.0	4.93e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
891	0.0	0.0	2.65e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.00e-03	-8.66e-04	-8.13e-04	81,87,92
	41.5	2.54e-05	2.85e-03	3.39e-05	79,81,91	0.0	0.0	0.0	0,0,0				
892	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	6.26e-04	3.09e-04	2.35e-04	85,90,92
	40.1	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
893	0.0	0.0	2.91e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-9.02e-04	-7.66e-04	-7.11e-04	81,87,92
	41.5	0.0	3.43e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				

894	0.0	2.66e-04	1.87e-03	3.55e-04	79,81,91	0.0	0.0	0.0	0,0,0	-1.01e-03	-8.76e-04	-8.23e-04	81,87,92
	41.5	3.13e-04	2.11e-03	4.17e-04	79,81,91	0.0	0.0	0.0	0,0,0				
895	0.0	8.04e-04	0.01	0.0	85,79,0	0.0	0.0	0.0	0,0,0	5.03e-04	2.33e-04	1.71e-04	85,90,92
	40.1	2.77e-03	0.02	0.0	85,80,0	0.0	0.0	0.0	0,0,0				
896	0.0	7.10e-04	1.83e-03	8.87e-05	83,81,91	0.0	0.0	0.0	0,0,0	-9.12e-04	-7.75e-04	-7.20e-04	81,87,92
	41.5	5.17e-04	2.08e-03	2.96e-04	85,81,91	0.0	0.0	0.0	0,0,0				
897	0.0	4.37e-04	1.21e-03	4.62e-04	83,81,91	0.0	0.0	0.0	0,0,0	-1.02e-03	-8.87e-04	-8.33e-04	81,87,92
	41.5	4.37e-04	1.41e-03	5.13e-04	82,81,92	0.0	0.0	0.0	0,0,0				
898	0.0	2.70e-03	9.43e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	3.77e-04	1.59e-04	1.10e-04	85,90,92
	40.1	5.16e-03	0.01	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
899	0.0	9.92e-04	9.74e-04	6.68e-04	85,81,92	0.0	0.0	0.0	0,0,0	-1.03e-03	-8.98e-04	-8.44e-04	81,87,92
	41.5	6.11e-04	8.99e-04	5.78e-04	85,81,92	0.0	0.0	0.0	0,0,0				
900	0.0	3.54e-03	5.24e-03	1.27e-03	85,79,92	0.0	0.0	0.0	0,0,0	2.16e-04	6.74e-05	3.62e-05	85,90,92
	40.1	7.36e-03	8.49e-03	3.71e-03	83,79,92	0.0	0.0	0.0	0,0,0				
901	0.0	5.66e-03	3.25e-03	2.79e-03	85,85,91	0.0	0.0	0.0	0,0,0	-9.29e-05	-9.29e-05	-9.29e-05	79,86,91
	40.1	9.35e-03	5.17e-03	5.46e-03	83,79,92	0.0	0.0	0.0	0,0,0				
902	0.0	8.15e-03	4.70e-03	3.99e-03	85,85,92	0.0	0.0	0.0	0,0,0	-4.99e-04	-3.21e-04	-2.77e-04	83,88,91
	40.1	7.54e-03	4.37e-03	3.69e-03	85,85,92	0.0	0.0	0.0	0,0,0				
903	0.0	7.38e-03	4.43e-03	3.61e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.11e-03	-6.54e-04	-5.41e-04	83,88,91
	40.1	0.03	0.02	0.02	83,83,92	0.0	0.0	0.0	0,0,0				
904	0.0	0.03	0.02	0.02	83,83,91	0.0	0.0	0.0	0,0,0	-2.81e-04	-1.94e-04	-1.72e-04	83,88,91
	40.1	0.05	0.05	0.03	85,83,92	0.0	0.0	0.0	0,0,0				
905	0.0	0.05	0.05	0.03	85,83,92	0.0	0.0	0.0	0,0,0	1.72e-03	8.98e-04	7.00e-04	85,90,92
	40.1	0.03	0.02	0.02	85,83,92	0.0	0.0	0.0	0,0,0				
906	0.0	0.03	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	2.54e-03	1.35e-03	1.06e-03	85,90,92
	40.1	8.14e-03	4.89e-03	4.58e-03	85,85,92	0.0	0.0	0.0	0,0,0				
907	0.0	8.95e-03	5.28e-03	5.07e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.95e-03	1.03e-03	8.07e-04	85,90,92
	40.1	9.71e-03	5.68e-03	5.54e-03	85,85,92	0.0	0.0	0.0	0,0,0				
908	0.0	9.75e-03	5.60e-03	5.56e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.55e-03	8.13e-04	6.37e-04	85,90,92
	40.1	7.47e-03	4.40e-03	4.27e-03	85,85,92	0.0	0.0	0.0	0,0,0				
909	0.0	7.33e-03	4.23e-03	4.19e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.33e-03	6.95e-04	5.45e-04	85,90,92
	40.1	5.32e-03	3.16e-03	3.05e-03	85,85,92	0.0	0.0	0.0	0,0,0				
910	0.0	5.17e-03	3.01e-03	2.96e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.21e-03	6.33e-04	4.98e-04	85,90,92
	40.1	3.82e-03	2.29e-03	2.20e-03	85,85,92	0.0	0.0	0.0	0,0,0				
911	0.0	3.71e-03	2.18e-03	2.13e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.14e-03	3.08e-04	2.43e-04	85,90,92
	40.1	2.85e-03	1.72e-03	1.64e-03	85,85,92	0.0	0.0	0.0	0,0,0				
912	0.0	2.77e-03	1.64e-03	1.60e-03	85,85,92	0.0	0.0	0.0	0,0,0	5.64e-04	2.98e-04	2.36e-04	85,90,92
	40.1	2.21e-03	1.35e-03	1.27e-03	85,85,92	0.0	0.0	0.0	0,0,0				
913	0.0	2.16e-03	1.29e-03	1.24e-03	85,85,92	0.0	0.0	0.0	0,0,0	5.50e-04	5.68e-04	4.51e-04	85,90,92
	40.1	1.76e-03	1.08e-03	1.05e-03	85,85,92	0.0	0.0	0.0	0,0,0				
914	0.0	1.72e-03	1.04e-03	9.88e-04	85,85,92	0.0	0.0	0.0	0,0,0	1.05e-03	5.61e-04	4.47e-04	85,90,92
	40.1	1.42e-03	8.75e-04	9.40e-04	85,85,92	0.0	0.0	0.0	0,0,0				
915	0.0	1.39e-03	8.40e-04	7.84e-04	85,85,92	0.0	0.0	0.0	0,0,0	1.04e-03	5.57e-04	4.45e-04	85,90,92
	40.1	1.14e-03	7.06e-04	8.39e-04	85,85,92	0.0	0.0	0.0	0,0,0				
916	0.0	1.11e-03	6.77e-04	6.10e-04	85,85,92	0.0	0.0	0.0	0,0,0	1.03e-03	5.56e-04	4.46e-04	85,90,92
	40.1	9.80e-04	6.06e-04	7.45e-04	85,85,92	0.0	0.0	0.0	0,0,0				
917	0.0	8.70e-04	5.33e-04	5.23e-04	85,85,92	0.0	0.0	0.0	0,0,0	1.03e-03	5.58e-04	4.48e-04	85,90,92
	40.1	8.91e-04	5.44e-04	6.55e-04	85,85,92	0.0	0.0	0.0	0,0,0				
918	0.0	6.48e-04	4.03e-04	4.52e-04	85,85,92	0.0	0.0	0.0	0,0,0	1.04e-03	5.62e-04	4.53e-04	85,90,92
	40.1	7.89e-04	4.78e-04	5.51e-04	85,85,92	0.0	0.0	0.0	0,0,0				
919	0.0	5.70e-04	3.51e-04	3.78e-04	85,85,92	0.0	0.0	0.0	0,0,0	1.05e-03	5.70e-04	4.60e-04	85,90,92
	40.1	5.69e-04	3.50e-04	3.69e-04	85,85,92	0.0	0.0	0.0	0,0,0				
920	0.0	4.52e-04	2.80e-04	2.51e-04	85,85,92	0.0	0.0	0.0	0,0,0	1.06e-03	5.77e-04	4.66e-04	85,90,92
	40.1	9.34e-04	5.36e-04	4.94e-04	85,85,92	0.0	0.0	0.0	0,0,0				
921	0.0	9.12e-04	5.22e-04	4.84e-04	85,85,92	0.0	0.0	0.0	0,0,0	1.05e-03	5.68e-04	2.35e-04	85,90,92
	40.1	3.48e-03	3.64e-03	1.92e-03	85,83,92	0.0	0.0	0.0	0,0,0				
922	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.02e-03	-8.77e-04	-8.18e-04	81,87,92
	41.5	0.0	9.83e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
923	0.0	5.80e-03	0.01	6.37e-03	81,81,92	0.0	0.0	0.0	0,0,0	-1.43e-03	-1.31e-03	-1.27e-03	81,87,92
	40.1	5.09e-03	0.01	5.67e-03	81,82,92	0.0	0.0	0.0	0,0,0				
924	0.0	6.61e-03	0.01	4.64e-03	82,81,92	0.0	0.0	0.0	0,0,0	-2.31e-03	-1.55e-03	-1.42e-03	85,87,92
	40.1	1.71e-03	5.86e-03	0.0	82,79,0	0.0	0.0	0.0	0,0,0				
925	0.0	2.91e-03	4.51e-03	1.09e-03	85,83,92	0.0	0.0	0.0	0,0,0	-1.27e-03	-8.25e-04	-7.24e-04	85,90,92
	40.1	1.25e-03	3.14e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
926	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.18e-03	-1.04e-03	-9.84e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
927	0.0	2.04e-03	0.04	0.0	85,82,0	0.0	0.0	0.0	0,0,0	-1.41e-03	-1.13e-03	-1.02e-03	81,87,92
	46.7	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
928	0.0	2.40e-03	5.53e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	1.46e-03	1.28e-03	1.23e-03	82,87,92
	40.1	1.70e-03	7.33e-03	1.17e-04	85,81,91	0.0	0.0	0.0	0,0,0				
929	0.0	0.0	0.14	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	85,90,92
	40.1	0.0	0.19	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
930	0.0	1.09e-03	5.51e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-1.35e-03	-8.91e-04	-7.84e-04	85,90,92
	40.1	8.23e-04	4.73e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
931	0.0	2.51e-03	1.49e-03	2.62e-03	81,82,92	0.0	0.0	0.0	0,0,0	-2.95e-03	-2.45e-03	-2.25e-03	81,87,92
	40.0	7.46e-03	3.79e-03	9.04e-03	81,81,92	0.0	0.0	0.0	0,0,0				
932	0.0	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-2.05e-03	-1.70e-03	-1.56e-03	81,87,92
	41.5	8.26e-03	0.03	8.22e-03	82,82,92	0.0	0.0	0.0	0,0,0				
933	0.0	5.09e-03	8.86e-03	5.55e-03	83,81,91	0.0	0.0	0.0	0,0,0	1.26e-03	1.11e-03	1.07e-03	82,87,92
	40.1	5.00e-03	7.39e-03	4.79e-03	83,81,91	0.0	0.0	0.0	0,0,0				
934	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	85,90,92
	40.1	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
935	0.0	2.74e-03	4.56e-03	1.79e-03	82,81,92	0.0	0.0	0.0	0,0,0	-1.64e-03	-1.32e-03	-1.19e-03	81,87,92
	46.7	3.59e-03	4.55e-03	3.13e-03	85,81,92	0.0	0.0	0.0	0,0,0				
936	0.0	3.31e-03	0.02	4.41e-03	79,81,91	0.0	0.0	0.0	0,0,0	-1.95e-03	-1.69e-03	-1.58e-03	81,87,92
	40.0	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
937	0.0	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.51e-03	1.32e-03	1.27e-03	82,87,92
	40.1	3.48e-04	0.01	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
938	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	0.01	8.84e-03	8.40e-03	85,90,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
939	0.0	5.83e-04	5.53e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-1.45e-03	-9.47e-04	-8.32e-04	85,90,92
	40.1	0.0	4.99e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
940	0.0	1.46e-03	7.69e-04	1.85e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.70e-03	-2.22e-03	-2.03e-03	81,87,92
	40.0	5.40e-03	5.74e-03	6.45e-03	81,81,92	0.0	0.0	0.0	0,0,0				
941	0.0	2.24e-04	0.01	2.96e-04	83,82,91	0.0	0.0	0.0	0,0,0	-2.20e-03	-1.84e-03	-1.69e-03	81,87,92
	41.5	3.61e-03	0.02	3.88e-03	85,82,92	0.0	0.0	0.0	0,0,0				
942	0.0	4.63e-03	0.01	5.01e-03	85,81,92	0.0	0.0	0.0	0,0,0	-7.55e-04	-7.21e-04	-7.08e-04	81,87,92
	40.1	5.53e-04	5.76e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
943	0.0	0.09	0.06	0.10	85,85,92	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	85,90,92
	40.1	0.08	0.05	0.08	85,85,92	0.0	0.0	0.0	0,0,0				
944	0.0	3.59e-03	2.02e-03	3.33e-03	83,83,92	0.0	0.0	0.0	0,0,0	-1.68e-03	-1.34e-03	-1.20e-03	81,87,92

	41.5	6.52e-03	4.08e-03	5.17e-03	85,81,92	0.0	0.0	0.0	0,0,0				
945	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.48e-03	-1.22e-03	-1.11e-03	81,87,92
	46.7	5.50e-03	0.03	7.02e-03	81,81,92	0.0	0.0	0.0	0,0,0				
946	0.0	0.0	0.39	0.0	0,85,0	0.0	0.0	0.0	0,0,0	7.09e-03	5.82e-03	5.52e-03	85,90,92
	40.1	0.0	0.38	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
947	0.0	3.76e-03	0.02	2.94e-03	83,82,91	0.0	0.0	0.0	0,0,0	1.25e-03	1.10e-03	1.06e-03	82,87,92
	40.1	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
948	0.0	8.27e-03	0.03	5.65e-03	85,83,92	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	85,90,92
	40.1	0.03	0.06	0.03	85,83,92	0.0	0.0	0.0	0,0,0				
949	0.0	2.15e-03	5.98e-03	2.29e-03	83,81,91	0.0	0.0	0.0	0,0,0	-1.66e-03	-1.34e-03	-1.21e-03	81,87,92
	46.7	2.97e-03	5.93e-03	2.11e-03	83,81,91	0.0	0.0	0.0	0,0,0				
950	0.0	0.01	0.03	0.02	81,81,92	0.0	0.0	0.0	0,0,0	-1.85e-03	-1.51e-03	-1.37e-03	81,87,92
	40.0	3.45e-03	9.40e-03	3.53e-03	81,81,92	0.0	0.0	0.0	0,0,0				
951	0.0	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.54e-03	1.34e-03	1.29e-03	82,87,92
	40.1	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
952	0.0	4.49e-03	3.25e-03	4.54e-03	85,81,92	0.0	0.0	0.0	0,0,0	4.48e-03	3.53e-03	3.36e-03	85,90,92
	40.1	0.02	0.02	0.02	82,81,92	0.0	0.0	0.0	0,0,0				
953	0.0	0.0	4.95e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0	-1.49e-03	-9.52e-04	-8.27e-04	85,90,92
	40.1	6.12e-04	6.41e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
954	0.0	0.0	7.02e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-2.52e-03	-2.06e-03	-1.87e-03	81,87,92
	40.0	2.61e-03	0.01	2.73e-03	82,81,92	0.0	0.0	0.0	0,0,0				
955	0.0	1.85e-03	6.29e-03	2.34e-03	83,82,91	0.0	0.0	0.0	0,0,0	-2.38e-03	-2.01e-03	-1.86e-03	81,87,92
	41.5	3.56e-03	9.02e-03	4.21e-03	85,82,92	0.0	0.0	0.0	0,0,0				
956	0.0	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-5.62e-04	-5.45e-04	-5.38e-04	81,87,92
	40.1	4.63e-03	0.02	4.72e-03	85,81,92	0.0	0.0	0.0	0,0,0				
957	0.0	0.17	0.10	0.18	85,85,92	0.0	0.0	0.0	0,0,0	-0.01	-8.87e-03	-8.46e-03	85,90,92
	40.1	0.41	0.22	0.44	85,85,92	0.0	0.0	0.0	0,0,0				
958	0.0	3.78e-03	2.14e-03	3.83e-03	83,83,91	0.0	0.0	0.0	0,0,0	-1.82e-03	-1.47e-03	-1.32e-03	81,87,92
	41.5	4.10e-03	2.28e-03	3.84e-03	85,85,92	0.0	0.0	0.0	0,0,0				
959	0.0	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.29e-03	-1.02e-03	-9.13e-04	81,87,92
	46.7	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
960	0.0	0.0	0.44	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.53e-03	4.50e-03	4.26e-03	85,90,92
	40.1	0.0	0.43	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
961	0.0	0.03	0.05	0.04	81,81,92	0.0	0.0	0.0	0,0,0	-2.56e-03	-2.17e-03	-2.01e-03	81,87,92
	40.0	7.28e-03	0.02	8.49e-03	81,81,92	0.0	0.0	0.0	0,0,0				
962	0.0	4.33e-03	2.36e-03	4.24e-03	85,85,92	0.0	0.0	0.0	0,0,0	4.33e-03	3.39e-03	3.22e-03	85,90,92
	40.1	3.21e-03	1.81e-03	3.09e-03	85,85,92	0.0	0.0	0.0	0,0,0				
963	0.0	0.01	6.95e-03	0.01	83,83,91	0.0	0.0	0.0	0,0,0	7.57e-04	6.38e-04	6.07e-04	82,87,92
	40.1	7.33e-03	4.07e-03	7.69e-03	85,85,92	0.0	0.0	0.0	0,0,0				
964	0.0	0.05	0.03	0.05	85,85,92	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	85,90,92
	40.1	0.04	0.03	0.04	85,85,92	0.0	0.0	0.0	0,0,0				
965	0.0	0.0	0.31	0.0	0,85,0	0.0	0.0	0.0	0,0,0	8.59e-03	7.05e-03	6.70e-03	85,90,92
	40.1	0.0	0.30	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
966	0.0	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.25e-03	1.10e-03	1.05e-03	82,87,92
	40.1	8.76e-04	0.01	0.0	85,82,0	0.0	0.0	0.0	0,0,0				
967	0.0	2.18e-03	8.14e-03	2.21e-03	83,81,91	0.0	0.0	0.0	0,0,0	-1.71e-03	-1.39e-03	-1.26e-03	81,87,92
	46.7	4.23e-03	9.54e-03	3.54e-03	83,82,91	0.0	0.0	0.0	0,0,0				
968	0.0	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.51e-03	1.31e-03	1.26e-03	82,87,92
	40.1	1.64e-03	0.02	1.03e-03	85,81,92	0.0	0.0	0.0	0,0,0				
969	0.0	1.19e-03	6.19e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-1.44e-03	-8.85e-04	-7.56e-04	85,90,92
	40.1	1.07e-03	5.81e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
970	0.0	8.19e-04	2.23e-03	9.88e-04	83,79,91	0.0	0.0	0.0	0,0,0	-2.53e-03	-2.16e-03	-2.01e-03	81,87,92
	41.5	2.83e-03	5.45e-03	3.44e-03	85,82,92	0.0	0.0	0.0	0,0,0				
971	0.0	3.25e-03	0.01	2.97e-03	83,81,91	0.0	0.0	0.0	0,0,0	-5.59e-04	-5.38e-04	-5.29e-04	81,87,92
	40.1	6.04e-03	0.02	6.35e-03	85,81,92	0.0	0.0	0.0	0,0,0				
972	0.0	0.08	0.05	0.08	85,85,92	0.0	0.0	0.0	0,0,0	-4.94e-03	-4.03e-03	-3.83e-03	85,90,92
	40.1	0.18	0.10	0.19	85,85,92	0.0	0.0	0.0	0,0,0				
973	0.0	3.31e-03	1.92e-03	3.41e-03	83,83,91	0.0	0.0	0.0	0,0,0	-2.00e-03	-1.63e-03	-1.49e-03	81,87,92
	41.5	4.17e-03	2.34e-03	4.31e-03	85,85,92	0.0	0.0	0.0	0,0,0				
974	0.0	0.0	0.53	0.0	0,85,0	0.15	0.0	0.0	85,0,0	-0.12	-0.09	-0.06	85,90,92
	40.1	0.0	0.45	0.0	0,85,0	0.12	0.10	0.10	83,90,92				
975	0.0	3.41e-03	8.80e-03	3.79e-03	85,83,92	0.0	0.0	0.0	0,0,0	-4.90e-03	-4.31e-03	-4.08e-03	81,87,92
	40.0	0.04	0.07	0.05	81,81,92	0.0	0.0	0.0	0,0,0				
976	0.0	5.78e-03	3.27e-03	5.57e-03	85,85,92	0.0	0.0	0.0	0,0,0	4.28e-03	3.35e-03	3.18e-03	85,90,92
	40.1	3.79e-03	2.31e-03	3.81e-03	83,83,91	0.0	0.0	0.0	0,0,0				
977	0.0	0.0	4.54e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	7.60e-04	6.44e-04	6.13e-04	82,87,92
	40.1	0.02	0.03	0.02	85,83,92	0.0	0.0	0.0	0,0,0				
978	0.0	0.0	0.34	0.0	0,85,0	0.0	0.0	0.0	0,0,0	8.10e-03	6.65e-03	6.32e-03	85,90,92
	40.1	0.0	0.33	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
979	0.0	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.55e-03	1.35e-03	1.30e-03	82,87,92
	40.1	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
980	0.0	0.0	0.41	0.0	0,85,0	0.0	0.0	0.0	0,0,0	6.58e-03	5.38e-03	5.11e-03	85,90,92
	40.1	0.0	0.40	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
981	0.0	6.66e-03	3.74e-03	6.48e-03	83,83,91	0.0	0.0	0.0	0,0,0	8.24e-04	6.94e-04	6.59e-04	82,87,92
	40.1	5.33e-03	3.06e-03	5.24e-03	85,85,92	0.0	0.0	0.0	0,0,0				
982	0.0	0.0	0.21	0.0	0,85,0	0.0	0.0	0.0	0,0,0	9.90e-03	8.12e-03	7.72e-03	85,90,92
	40.1	0.0	0.19	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
983	0.0	0.0	8.30e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.28e-03	1.12e-03	1.07e-03	82,87,92
	40.1	1.80e-03	0.01	0.0	85,82,0	0.0	0.0	0.0	0,0,0				
984	0.0	0.0	5.60e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.39e-03	-1.11e-03	-1.00e-03	81,87,92
	40.0	4.45e-03	0.01	4.15e-03	83,85,91	0.0	0.0	0.0	0,0,0				
985	0.0	4.87e-05	0.01	0.0	81,81,0	0.0	0.0	0.0	0,0,0	1.43e-03	1.22e-03	1.16e-03	82,87,92
	40.1	3.57e-03	0.02	3.71e-03	81,81,92	0.0	0.0	0.0	0,0,0				
986	0.0	8.44e-04	6.05e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-1.40e-03	-8.38e-04	-7.08e-04	85,90,92
	40.1	1.53e-03	6.42e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
987	0.0	1.29e-03	2.71e-03	1.15e-03	82,81,92	0.0	0.0	0.0	0,0,0	-2.56e-03	-2.19e-03	-2.05e-03	81,87,92
	41.5	9.85e-04	2.21e-03	1.11e-03	83,79,91	0.0	0.0	0.0	0,0,0				
988	0.0	7.32e-03	0.01	8.52e-03	85,81,92	0.0	0.0	0.0	0,0,0	-7.72e-04	-7.25e-04	-7.07e-04	81,87,92
	40.1	4.35e-03	8.53e-03	4.56e-03	85,81,92	0.0	0.0	0.0	0,0,0				
989	0.0	0.03	0.02	0.03	83,85,91	0.0	0.0	0.0	0,0,0	-3.81e-03	-3.05e-03	-2.90e-03	85,90,92
	40.1	0.08	0.04	0.08	85,85,92	0.0	0.0	0.0	0,0,0				
990	0.0	2.25e-03	1.38e-03	2.06e-03	85,85,91	0.0	0.0	0.0	0,0,0	-2.08e-03	-1.72e-03	-1.58e-03	81,87,92
	41.5	3.20e-03	1.86e-03	3.32e-03	83,83,91	0.0	0.0	0.0	0,0,0				
991	0.0	0.0	0.39	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-0.05	-0.02	-0.02	85,90,92
	40.1	0.0	0.45	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
992	0.0	9.22e-03	0.04	0.01	81,81,92	0.0	0.0	0.0	0,0,0	-4.95e-03	-4.37e-03	-4.14e-03	81,87,92
	40.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
993	0.0	7.69e-03	4.44e-03	7.57e-03	85,85,92	0.0	0.0	0.0	0,0,0	4.27e-03	3.34e-03	3.17e-03	85,90,92
	40.1	5.66e-03	3.46e-03	5.83e-03	85,83,92	0.0	0.0	0.0	0,0,0				
994	0.0	2.04e-04	3.42e-03	0.0	83,83,0	0.0	0.0	0.0	0,0,0	8.30e-04	7.07e-04	6.73e-04	82,87,92
	40.1	5.53e-03	0.01	5.86e-03	85,85,92	0.0	0.0	0.0	0,0,0				

995	0.0	0.0	0.36	0.0	0,85,0	0.0	0.0	0.0	0,0,0	7.60e-03	6.24e-03	5.93e-03	85,90,92
	40.1	0.0	0.35	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
996	0.0	0.0	0.42	0.0	0,85,0	0.0	0.0	0.0	0,0,0	6.06e-03	4.94e-03	4.69e-03	85,90,92
	40.1	0.0	0.42	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
997	0.0	0.0	0.25	0.0	0,85,0	0.0	0.0	0.0	0,0,0	9.50e-03	7.80e-03	7.41e-03	85,90,92
	40.1	0.0	0.23	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
998	0.0	0.0	0.50	0.0	0,85,0	0.0	0.0	0.0	0,0,0	3.91e-03	3.12e-03	2.94e-03	85,90,92
	40.1	0.0	0.49	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
999	0.0	3.73e-03	2.18e-03	3.10e-03	83,83,91	0.0	0.0	0.0	0,0,0	8.26e-04	6.92e-04	6.56e-04	82,87,92
	40.1	4.95e-03	2.78e-03	5.73e-03	83,83,91	0.0	0.0	0.0	0,0,0				
1000	0.0	0.0	0.12	0.0	0,85,0	0.0	0.0	0.0	0,0,0	0.01	8.66e-03	8.23e-03	85,90,92
	40.1	0.0	0.10	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1001	0.0	0.0	7.38e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.31e-03	1.15e-03	1.10e-03	82,87,92
	40.1	2.75e-03	0.01	1.54e-03	85,82,92	0.0	0.0	0.0	0,0,0				
1002	0.0	6.43e-04	3.40e-03	4.54e-04	83,82,91	0.0	0.0	0.0	0,0,0	-1.21e-03	-9.29e-04	-8.18e-04	81,87,92
	40.0	1.16e-03	3.77e-03	3.68e-04	83,85,91	0.0	0.0	0.0	0,0,0				
1003	0.0	1.69e-03	9.24e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-1.55e-03	-9.53e-04	-8.15e-04	85,90,92
	40.1	4.53e-03	0.01	5.75e-04	85,79,92	0.0	0.0	0.0	0,0,0				
1004	0.0	2.34e-03	4.08e-03	2.46e-03	82,81,92	0.0	0.0	0.0	0,0,0	-2.44e-03	-2.09e-03	-1.95e-03	81,87,92
	41.5	1.33e-03	2.54e-03	1.21e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1005	0.0	6.55e-03	9.83e-03	7.47e-03	85,81,92	0.0	0.0	0.0	0,0,0	-1.19e-03	-1.10e-03	-1.06e-03	81,87,92
	40.1	1.18e-03	2.21e-03	1.08e-03	83,81,91	0.0	0.0	0.0	0,0,0				
1006	0.0	0.01	7.63e-03	0.01	83,83,91	0.0	0.0	0.0	0,0,0	-4.11e-03	-3.24e-03	-3.07e-03	85,90,92
	40.1	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
1007	0.0	2.81e-03	1.65e-03	2.56e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.05e-03	-9.00e-04	-8.26e-04	81,87,92
	41.5	2.25e-03	1.37e-03	1.84e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1008	0.0	0.0	0.26	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	85,90,92
	40.1	0.0	0.32	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1009	0.0	0.02	0.08	0.02	81,81,92	0.0	0.0	0.0	0,0,0	-4.16e-03	-3.66e-03	-3.46e-03	81,87,92
	40.0	0.0	0.05	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
1010	0.0	9.58e-03	5.65e-03	9.55e-03	85,85,92	0.0	0.0	0.0	0,0,0	4.28e-03	3.35e-03	3.17e-03	85,90,92
	40.1	7.89e-03	4.81e-03	8.19e-03	85,83,92	0.0	0.0	0.0	0,0,0				
1011	0.0	2.74e-03	2.28e-03	2.54e-03	83,83,91	0.0	0.0	0.0	0,0,0	8.34e-04	7.12e-04	6.78e-04	82,87,92
	40.1	3.88e-03	3.68e-03	4.08e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1012	0.0	0.0	0.28	0.0	0,85,0	0.0	0.0	0.0	0,0,0	9.06e-03	7.44e-03	7.07e-03	85,90,92
	40.1	0.0	0.27	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1013	0.0	0.0	0.57	0.0	0,85,0	0.16	0.14	0.13	85,90,92	-0.03	-0.02	-0.02	85,90,92
	40.1	0.0	0.56	0.0	0,85,0	0.19	0.17	0.16	85,90,92				
1014	0.0	0.0	0.17	0.0	0,85,0	0.0	0.0	0.0	0,0,0	0.01	8.41e-03	7.99e-03	85,90,92
	40.1	0.0	0.15	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1015	0.0	0.0	0.46	0.0	0,85,0	0.0	0.0	0.0	0,0,0	5.00e-03	4.05e-03	3.83e-03	85,90,92
	40.1	0.0	0.45	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1016	0.0	0.0	6.44e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.34e-03	1.18e-03	1.13e-03	82,87,92
	40.1	4.97e-03	0.01	4.36e-03	85,82,92	0.0	0.0	0.0	0,0,0				
1017	0.0	1.19e-03	6.97e-04	1.49e-03	81,81,92	0.0	0.0	0.0	0,0,0	-1.20e-03	-9.16e-04	-8.03e-04	81,87,92
	40.0	2.81e-03	1.47e-03	3.14e-03	81,81,92	0.0	0.0	0.0	0,0,0				
1018	0.0	4.47e-03	0.02	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-1.95e-03	-1.26e-03	-1.10e-03	85,90,92
	40.1	2.18e-03	0.01	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
1019	0.0	2.08e-03	2.99e-03	2.24e-03	82,81,92	0.0	0.0	0.0	0,0,0	-2.25e-03	-1.93e-03	-1.80e-03	81,87,92
	41.5	2.30e-03	3.32e-03	2.46e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1020	0.0	4.04e-03	4.86e-03	3.66e-03	83,81,91	0.0	0.0	0.0	0,0,0	-1.62e-03	-1.48e-03	-1.42e-03	81,87,92
	40.1	3.13e-03	6.70e-03	3.85e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1021	0.0	0.01	6.50e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-4.67e-03	-3.64e-03	-3.44e-03	85,90,92
	40.1	7.99e-03	4.72e-03	8.78e-03	83,83,91	0.0	0.0	0.0	0,0,0				
1022	0.0	2.64e-03	1.55e-03	2.46e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.92e-03	-1.59e-03	-1.46e-03	81,87,92
	41.5	2.81e-03	1.63e-03	2.56e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1023	0.0	0.01	0.05	0.01	81,82,92	0.0	0.0	0.0	0,0,0	-2.69e-03	-2.31e-03	-2.15e-03	81,87,92
	40.0	9.83e-03	0.05	0.01	81,81,92	0.0	0.0	0.0	0,0,0				
1024	0.0	0.01	6.58e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	4.30e-03	3.36e-03	3.18e-03	85,90,92
	40.1	0.01	6.36e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
1025	0.0	4.99e-03	4.24e-03	5.19e-03	83,83,91	0.0	0.0	0.0	0,0,0	8.25e-04	7.04e-04	6.70e-04	82,87,92
	40.1	4.59e-03	3.49e-03	4.89e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1026	0.0	0.0	0.56	0.0	0,85,0	0.16	0.13	0.13	85,90,92	-0.08	-0.07	-0.07	85,90,92
	40.1	0.0	0.57	0.0	0,85,0	0.16	0.14	0.13	85,90,92				
1027	0.0	0.0	0.48	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.46e-03	3.59e-03	3.39e-03	85,90,92
	40.1	0.0	0.47	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1028	0.0	0.0	0.52	0.0	0,85,0	0.0	0.0	0.0	0,0,0	3.34e-03	2.64e-03	2.48e-03	85,90,92
	40.1	0.0	0.51	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1029	0.0	3.82e-03	4.77e-03	3.00e-03	83,82,91	0.0	0.0	0.0	0,0,0	1.39e-03	1.22e-03	1.17e-03	82,87,92
	40.1	1.37e-03	4.04e-03	8.23e-04	85,81,92	0.0	0.0	0.0	0,0,0				
1030	0.0	4.95e-03	2.72e-03	6.05e-03	81,81,92	0.0	0.0	0.0	0,0,0	-1.50e-03	-1.19e-03	-1.07e-03	81,87,92
	40.0	3.00e-03	1.76e-03	3.54e-03	81,81,92	0.0	0.0	0.0	0,0,0				
1031	0.0	9.99e-04	0.02	0.0	85,83,0	0.0	0.0	0.0	0,0,0	-2.30e-03	-1.50e-03	-1.31e-03	85,90,92
	40.1	0.0	0.01	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
1032	0.0	1.40e-03	1.27e-03	1.55e-03	81,79,92	0.0	0.0	0.0	0,0,0	-2.10e-03	-1.79e-03	-1.67e-03	81,87,92
	41.5	1.92e-03	2.00e-03	2.13e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1033	0.0	6.28e-03	0.01	4.06e-03	83,83,91	0.0	0.0	0.0	0,0,0	-1.82e-03	-1.66e-03	-1.60e-03	81,87,92
	40.1	1.88e-04	7.17e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
1034	0.0	0.01	8.38e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-4.81e-03	-3.70e-03	-3.49e-03	85,90,92
	40.1	8.65e-03	5.26e-03	7.11e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1035	0.0	2.24e-03	1.34e-03	2.07e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.82e-03	-1.50e-03	-1.37e-03	81,87,92
	41.5	2.63e-03	1.53e-03	2.45e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1036	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.31e-03	-1.03e-03	-9.19e-04	81,87,92
	40.0	0.02	0.07	0.02	81,82,92	0.0	0.0	0.0	0,0,0				
1037	0.0	0.01	7.88e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	4.32e-03	3.38e-03	3.20e-03	85,90,92
	40.1	0.01	8.11e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
1038	0.0	6.25e-03	9.46e-03	6.71e-03	83,83,91	0.0	0.0	0.0	0,0,0	8.12e-04	6.93e-04	6.60e-04	82,87,92
	40.1	6.16e-03	9.22e-03	6.76e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1039	0.0	0.0	0.50	0.0	0,85,0	0.14	0.12	0.11	85,90,92	-0.09	-0.08	-0.07	85,90,92
	40.1	0.0	0.52	0.0	0,85,0	0.14	0.12	0.11	85,90,92				
1040	0.0	0.0	0.54	0.0	0,85,0	0.17	0.0	0.0	85,0,0	0.04	2.15e-03	2.01e-03	85,90,92
	40.1	0.0	0.53	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1041	0.0	0.0	0.55	0.0	0,85,0	0.19	0.16	0.15	85,90,92	-0.04	-0.03	-0.03	85,90,92
	40.1	0.0	0.58	0.0	0,85,0	0.42	0.18	0.17	85,88,91				
1042	0.0	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0	1.43e-03	1.25e-03	1.20e-03	82,87,92
	40.1	4.05e-03	0.02	2.85e-03	85,82,92	0.0	0.0	0.0	0,0,0				
1043	0.0	6.37e-03	3.46e-03	7.67e-03	82,82,92	0.0	0.0	0.0	0,0,0	-1.83e-03	-1.50e-03	-1.36e-03	81,87,92
	40.0	3.03e-03	1.83e-03	3.84e-03	82,85,92	0.0	0.0	0.0	0,0,0				
1044	0.0	0.0	0.01	0.0	0,79,0	0.0	0.0	0.0	0,0,0	-2.25e-03	-1.43e-03	-1.23e-03	85,90,92
	40.1	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1045	0.0	8.60e-04	4.63e-04	9.25e-04	81,82,92	0.0	0.0	0.0	0,0,0	-2.00e-03	-1.70e-03	-8.41e-04	81,87,92

	41.5	1.23e-03	6.17e-04	1.36e-03	81,82,92	0.0	0.0	0.0	0,0,0				
1046	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.60e-03	-1.47e-03	-1.42e-03	81,87,92
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1047	0.0	0.02	9.68e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0	-4.52e-03	-3.42e-03	-3.22e-03	85,90,92
	40.1	8.98e-03	5.52e-03	8.96e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1048	0.0	1.88e-03	1.14e-03	1.72e-03	85,85,92	0.0	0.0	0.0	0,0,0	-9.27e-04	-7.62e-04	-6.97e-04	81,87,92
	41.5	2.22e-03	1.31e-03	2.06e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1049	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.24e-03	-9.65e-04	-8.55e-04	81,87,92
	40.0	0.0	0.04	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
1050	0.0	0.02	9.48e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0	4.36e-03	3.41e-03	3.23e-03	85,90,92
	40.1	0.02	9.45e-03	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
1051	0.0	5.97e-03	0.02	6.61e-03	83,83,91	0.0	0.0	0.0	0,0,0	8.00e-04	6.82e-04	6.49e-04	82,87,92
	40.1	5.57e-03	0.02	6.19e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1052	0.0	0.0	0.51	0.0	0,85,0	0.14	0.13	0.12	85,90,92	-0.12	-0.10	-0.10	85,90,92
	40.1	0.0	0.55	0.0	0,85,0	0.15	0.13	0.12	85,90,92				
1053	0.0	0.0	0.61	0.0	0,85,0	0.19	0.17	0.0	85,90,0	0.02	2.93e-03	9.76e-04	85,90,92
	40.1	0.0	0.59	0.0	0,85,0	0.19	0.0	0.0	85,0,0				
1054	0.0	0.0	0.55	0.0	0,85,0	0.19	0.16	0.15	85,90,92	-0.05	-0.05	-0.05	85,90,92
	40.1	0.0	0.59	0.0	0,85,0	0.17	0.14	0.14	85,90,92				
1055	0.0	4.01e-03	2.30e-03	4.15e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.92e-03	-1.58e-03	-1.44e-03	81,87,92
	40.0	3.40e-03	1.99e-03	3.88e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1056	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.93e-03	-1.16e-03	-9.77e-04	85,90,92
	40.1	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1057	0.0	6.91e-04	3.95e-04	6.58e-04	82,82,92	0.0	0.0	0.0	0,0,0	-1.03e-03	-8.71e-04	-8.09e-04	81,87,92
	41.5	8.20e-04	4.59e-04	8.25e-04	82,82,92	0.0	0.0	0.0	0,0,0				
1058	0.0	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.28e-03	-1.18e-03	-1.14e-03	81,87,92
	40.1	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1059	0.0	0.01	8.27e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-4.09e-03	-3.06e-03	-2.87e-03	85,90,92
	40.1	9.25e-03	5.70e-03	8.94e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1060	0.0	1.60e-03	9.86e-04	1.45e-03	85,85,92	0.0	0.0	0.0	0,0,0	-8.98e-04	-1.39e-03	-1.27e-03	81,87,92
	41.5	1.86e-03	1.12e-03	1.70e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1061	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.40e-03	-1.12e-03	-1.00e-03	81,87,92
	40.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1062	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	4.41e-03	3.45e-03	3.27e-03	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
1063	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	8.42e-04	7.19e-04	6.85e-04	82,87,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1064	0.0	0.0	0.50	0.0	0,85,0	0.15	0.13	0.12	85,90,92	6.73e-03	4.29e-03	1.78e-03	85,90,92
	40.1	0.0	0.63	0.0	0,85,0	0.20	0.18	0.0	85,90,0				
1065	0.0	0.0	0.57	0.0	0,85,0	0.18	0.0	0.0	85,0,0	0.03	1.62e-03	1.51e-03	85,90,92
	40.1	0.0	0.55	0.0	0,85,0	0.18	0.0	0.0	85,0,0				
1066	0.0	2.61e-03	1.45e-03	1.79e-03	83,83,92	0.0	0.0	0.0	0,0,0	-1.85e-03	-1.52e-03	-1.39e-03	81,87,92
	40.0	1.71e-03	9.97e-04	1.25e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1067	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.51e-03	-8.18e-04	-6.56e-04	85,90,92
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1068	0.0	6.06e-04	3.64e-04	5.55e-04	85,85,92	0.0	0.0	0.0	0,0,0	-1.88e-03	-1.59e-03	-1.48e-03	81,87,92
	41.5	6.81e-04	3.93e-04	6.47e-04	82,85,92	0.0	0.0	0.0	0,0,0				
1069	0.0	0.0	0.03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.21e-03	-1.11e-03	-1.07e-03	81,87,92
	40.1	0.0	0.04	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1070	0.0	0.01	6.83e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-3.71e-03	-2.73e-03	-2.55e-03	85,90,92
	40.1	0.01	5.93e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0				
1071	0.0	1.39e-03	8.55e-04	1.22e-03	83,83,92	0.0	0.0	0.0	0,0,0	-1.65e-03	-1.35e-03	-1.23e-03	81,87,92
	41.5	1.58e-03	9.56e-04	1.43e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1072	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.59e-03	-1.30e-03	-1.19e-03	81,87,92
	40.0	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
1073	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	4.46e-03	3.50e-03	3.31e-03	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
1074	0.0	0.01	0.06	0.01	83,85,91	0.0	0.0	0.0	0,0,0	9.05e-04	7.68e-04	7.33e-04	82,87,92
	40.1	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1075	0.0	0.0	0.60	0.0	0,85,0	0.17	0.15	0.14	85,90,92	-0.01	-0.01	-0.01	85,90,92
	40.1	0.0	0.56	0.0	0,85,0	0.17	0.15	0.14	85,90,92				
1076	0.0	3.75e-03	4.17e-03	3.20e-03	85,79,92	0.0	0.0	0.0	0,0,0	-1.90e-03	-1.56e-03	-1.43e-03	81,87,92
	40.0	5.07e-03	8.00e-03	5.28e-03	81,81,92	0.0	0.0	0.0	0,0,0				
1077	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.02e-03	-4.32e-04	-2.97e-04	85,90,92
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1078	0.0	5.59e-04	3.41e-04	4.69e-04	85,85,92	0.0	0.0	0.0	0,0,0	-1.84e-03	-1.56e-03	-1.45e-03	81,87,92
	41.5	5.98e-04	3.60e-04	5.43e-04	85,85,92	0.0	0.0	0.0	0,0,0				
1079	0.0	1.51e-03	0.02	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.43e-03	-1.29e-03	-1.23e-03	81,87,92
	40.1	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1080	0.0	9.50e-03	5.25e-03	9.72e-03	85,85,92	0.0	0.0	0.0	0,0,0	-3.39e-03	-2.46e-03	-2.29e-03	85,90,92
	40.1	7.97e-03	4.50e-03	7.48e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1081	0.0	1.26e-03	7.75e-04	1.04e-03	83,83,91	0.0	0.0	0.0	0,0,0	-1.61e-03	-1.32e-03	-1.21e-03	81,87,92
	41.5	1.35e-03	8.22e-04	1.20e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1082	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.66e-03	-1.37e-03	-1.26e-03	81,87,92
	40.0	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
1083	0.0	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0	4.53e-03	3.55e-03	3.36e-03	85,90,92
	40.1	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
1084	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.00e-04	-1.02e-04	-1.02e-04	83,88,91
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1085	0.0	0.0	0.53	0.0	0,85,0	0.15	0.13	0.12	85,90,92	-0.02	-0.01	-0.01	85,90,92
	40.1	0.0	0.61	0.0	0,85,0	0.19	0.16	0.15	85,90,92				
1086	0.0	0.0	0.55	0.0	0,85,0	0.16	0.14	0.13	85,90,92	-2.75e-03	-2.98e-03	-2.98e-03	79,86,91
	40.1	0.0	0.52	0.0	0,85,0	0.15	0.13	0.13	85,90,92				
1087	0.0	6.52e-03	6.16e-03	7.43e-03	82,83,92	0.0	0.0	0.0	0,0,0	-2.25e-03	-1.88e-03	-1.72e-03	81,87,92
	40.0	5.20e-03	3.49e-03	5.29e-03	81,81,92	0.0	0.0	0.0	0,0,0				
1088	0.0	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-5.17e-04	-7.13e-05	6.05e-05	85,90,91
	40.1	0.0	0.05	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1089	0.0	5.11e-04	3.14e-04	3.80e-04	85,85,92	0.0	0.0	0.0	0,0,0	-1.80e-03	-1.53e-03	-1.42e-03	81,87,92
	41.5	5.50e-04	3.33e-04	4.56e-04	85,85,92	0.0	0.0	0.0	0,0,0				
1090	0.0	3.74e-03	0.01	3.67e-03	83,81,91	0.0	0.0	0.0	0,0,0	-1.84e-03	-1.65e-03	-1.57e-03	81,87,92
	40.1	7.28e-04	9.84e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
1091	0.0	7.98e-03	5.20e-03	8.94e-03	85,81,92	0.0	0.0	0.0	0,0,0	-3.15e-03	-2.25e-03	-2.09e-03	85,90,92
	40.1	5.81e-03	3.19e-03	6.06e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1092	0.0	1.13e-03	6.91e-04	9.17e-04	83,83,91	0.0	0.0	0.0	0,0,0	-1.58e-03	-1.30e-03	-1.18e-03	81,87,92
	41.5	1.16e-03	7.04e-04	1.00e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1093	0.0	0.0	0.03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.89e-03	-1.60e-03	-1.49e-03	81,87,92
	40.0	0.0	0.02	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
1094	0.0	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0	4.60e-03	3.62e-03	3.43e-03	85,90,92
	40.1	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
1095	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.66e-04	-1.46e-04	-1.27e-04	82,87,91
	40.1	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				

1096	0.0	8.49e-03	4.25e-03	9.50e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.74e-03	-2.30e-03	-2.12e-03	81,87,92
	40.0	2.36e-03	1.42e-03	2.10e-03	81,81,92	0.0	0.0	0.0	0,0,0				
1097	0.0	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.19e-04	2.19e-04	2.19e-04	79,86,91
	40.1	0.0	0.06	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1098	0.0	4.71e-04	2.88e-04	2.81e-04	83,83,92	0.0	0.0	0.0	0,0,0	-1.77e-03	-1.50e-03	-1.39e-03	81,87,92
	41.5	4.99e-04	3.02e-04	3.67e-04	85,85,92	0.0	0.0	0.0	0,0,0				
1099	0.0	1.23e-03	1.67e-03	6.23e-04	83,81,91	0.0	0.0	0.0	0,0,0	-2.20e-03	-1.97e-03	-1.88e-03	81,87,92
	40.1	2.53e-03	5.47e-03	3.02e-03	81,81,92	0.0	0.0	0.0	0,0,0				
1100	0.0	7.68e-03	9.16e-03	8.25e-03	85,81,92	0.0	0.0	0.0	0,0,0	-2.96e-03	-2.08e-03	-1.93e-03	85,90,92
	40.1	4.68e-03	5.18e-03	5.00e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1101	0.0	9.97e-04	6.07e-04	7.86e-04	83,83,91	0.0	0.0	0.0	0,0,0	-1.55e-03	-1.27e-03	-1.16e-03	81,87,92
	41.5	9.79e-04	5.96e-04	8.16e-04	85,85,92	0.0	0.0	0.0	0,0,0				
1102	0.0	2.53e-04	0.02	3.38e-04	79,81,91	0.0	0.0	0.0	0,0,0	-2.40e-03	-2.11e-03	-1.99e-03	81,87,92
	40.0	9.58e-03	0.03	0.01	79,81,91	0.0	0.0	0.0	0,0,0				
1103	0.0	0.04	0.02	0.04	83,83,91	0.0	0.0	0.0	0,0,0	4.69e-03	3.70e-03	3.50e-03	85,90,92
	40.1	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
1104	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.60e-04	-1.23e-04	-1.23e-04	82,86,91
	40.1	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1105	0.0	5.71e-03	3.14e-03	6.10e-03	81,81,92	0.0	0.0	0.0	0,0,0	-3.00e-03	-2.51e-03	-2.31e-03	81,87,92
	40.0	5.04e-03	2.80e-03	6.05e-03	82,82,92	0.0	0.0	0.0	0,0,0				
1106	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	2.71e-04	2.71e-04	2.71e-04	79,86,91
	40.1	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1107	0.0	4.33e-04	2.63e-04	1.71e-04	83,83,92	0.0	0.0	0.0	0,0,0	-1.73e-03	-1.47e-03	-1.37e-03	81,87,92
	41.5	4.35e-04	2.62e-04	2.68e-04	85,85,92	0.0	0.0	0.0	0,0,0				
1108	0.0	4.42e-03	7.18e-03	4.12e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.28e-03	-2.06e-03	-1.97e-03	81,87,92
	40.1	7.93e-04	1.41e-03	3.78e-04	82,79,92	0.0	0.0	0.0	0,0,0				
1109	0.0	7.86e-03	0.01	8.01e-03	85,81,92	0.0	0.0	0.0	0,0,0	-2.79e-03	-1.93e-03	-1.78e-03	85,90,92
	40.1	4.02e-03	6.86e-03	3.88e-03	85,81,92	0.0	0.0	0.0	0,0,0				
1110	0.0	8.65e-04	5.24e-04	6.52e-04	83,83,91	0.0	0.0	0.0	0,0,0	-1.53e-03	-1.25e-03	-1.14e-03	81,87,92
	41.5	8.12e-04	4.93e-04	6.37e-04	85,85,92	0.0	0.0	0.0	0,0,0				
1111	0.0	0.03	0.02	0.04	85,85,92	0.0	0.0	0.0	0,0,0	4.87e-03	3.87e-03	3.66e-03	85,90,92
	40.1	0.04	0.02	0.04	85,85,92	0.0	0.0	0.0	0,0,0				
1112	0.0	0.0	5.99e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.23e-04	-1.23e-04	-1.23e-04	79,86,91
	40.1	0.0	8.81e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1113	0.0	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.36e-04	4.36e-04	4.36e-04	79,86,91
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1114	0.0	3.73e-04	2.40e-04	7.51e-05	83,81,91	0.0	0.0	0.0	0,0,0	-1.70e-03	-1.45e-03	-1.34e-03	81,87,92
	41.5	3.53e-04	4.78e-04	2.03e-04	85,81,92	0.0	0.0	0.0	0,0,0				
1115	0.0	4.28e-03	0.01	3.74e-03	81,81,92	0.0	0.0	0.0	0,0,0	-2.00e-03	-1.82e-03	-1.75e-03	81,87,92
	40.1	6.17e-03	0.02	6.38e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1116	0.0	7.25e-03	0.01	7.18e-03	85,81,92	0.0	0.0	0.0	0,0,0	-2.63e-03	-1.79e-03	-1.64e-03	85,90,92
	40.1	3.34e-03	5.09e-03	3.12e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1117	0.0	7.32e-04	4.41e-04	5.16e-04	83,83,91	0.0	0.0	0.0	0,0,0	-1.50e-03	-1.23e-03	-1.13e-03	81,87,92
	41.5	6.48e-04	3.92e-04	4.63e-04	85,83,92	0.0	0.0	0.0	0,0,0				
1118	0.0	0.06	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0	3.66e-03	2.77e-03	2.59e-03	85,90,92
	40.1	0.05	0.03	0.05	85,85,92	0.0	0.0	0.0	0,0,0				
1119	0.0	1.70e-03	8.26e-03	2.16e-03	81,82,92	0.0	0.0	0.0	0,0,0	-1.44e-04	-1.44e-04	-1.44e-04	79,86,91
	40.1	7.85e-04	7.68e-03	2.86e-04	83,83,91	0.0	0.0	0.0	0,0,0				
1120	0.0	0.0	0.09	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.01e-03	8.97e-04	8.69e-04	83,88,91
	40.1	0.0	0.08	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1121	0.0	2.93e-04	7.83e-04	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.67e-03	-1.42e-03	-1.32e-03	81,87,92
	41.5	2.54e-04	1.03e-03	0.0	85,81,0	0.0	0.0	0.0	0,0,0				
1122	0.0	0.0	0.01	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.67e-03	-1.53e-03	-1.47e-03	81,87,92
	40.1	7.67e-03	0.02	8.10e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1123	0.0	6.64e-03	9.38e-03	6.18e-03	85,81,92	0.0	0.0	0.0	0,0,0	-2.45e-03	-1.63e-03	-1.50e-03	85,90,92
	40.1	3.67e-03	6.12e-03	3.26e-03	82,79,92	0.0	0.0	0.0	0,0,0				
1124	0.0	5.97e-04	3.56e-04	3.80e-04	83,83,91	0.0	0.0	0.0	0,0,0	-1.48e-03	-1.21e-03	-1.11e-03	81,87,92
	41.5	4.90e-04	3.03e-04	2.97e-04	83,83,91	0.0	0.0	0.0	0,0,0				
1125	0.0	0.12	0.07	0.13	85,85,92	0.0	0.0	0.0	0,0,0	4.07e-03	3.15e-03	2.96e-03	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
1126	0.0	1.09e-03	1.22e-03	1.45e-03	79,81,91	0.0	0.0	0.0	0,0,0	-5.33e-04	-5.33e-04	-5.32e-04	83,88,91
	40.1	3.92e-03	5.32e-03	4.31e-03	83,83,91	0.0	0.0	0.0	0,0,0				
1127	0.0	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0	1.44e-03	1.20e-03	1.14e-03	83,88,91
	40.1	0.0	0.07	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1128	0.0	2.00e-04	1.34e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.65e-03	-1.40e-03	-1.30e-03	81,87,92
	41.5	1.54e-04	1.59e-03	0.0	85,81,0	0.0	0.0	0.0	0,0,0				
1129	0.0	0.0	0.02	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.48e-03	-1.36e-03	-1.32e-03	81,87,92
	40.1	5.71e-03	0.02	6.05e-03	81,82,92	0.0	0.0	0.0	0,0,0				
1130	0.0	4.46e-03	8.96e-03	2.93e-03	85,79,92	0.0	0.0	0.0	0,0,0	-2.28e-03	-1.50e-03	-1.37e-03	85,90,92
	40.1	2.71e-03	7.31e-03	1.04e-03	82,79,92	0.0	0.0	0.0	0,0,0				
1131	0.0	4.59e-04	3.00e-04	2.45e-04	83,81,91	0.0	0.0	0.0	0,0,0	-1.45e-03	-1.20e-03	-1.09e-03	81,87,92
	41.5	3.44e-04	5.95e-04	1.43e-04	83,81,91	0.0	0.0	0.0	0,0,0				
1132	0.0	0.23	0.13	0.24	85,85,92	0.0	0.0	0.0	0,0,0	6.38e-03	5.13e-03	4.86e-03	85,90,92
	40.1	0.12	0.07	0.12	85,85,92	0.0	0.0	0.0	0,0,0				
1133	0.0	0.02	0.01	0.02	82,82,92	0.0	0.0	0.0	0,0,0	-1.24e-03	-1.19e-03	-1.18e-03	85,90,92
	40.1	0.02	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
1134	0.0	0.0	0.03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	9.90e-04	8.42e-04	8.05e-04	83,88,91
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1135	0.0	1.15e-04	1.88e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.62e-03	-1.37e-03	-1.28e-03	81,87,92
	41.5	4.92e-05	2.13e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
1136	0.0	3.23e-04	9.65e-04	1.81e-04	83,81,91	0.0	0.0	0.0	0,0,0	-1.43e-03	-1.18e-03	-1.08e-03	81,87,92
	41.5	2.00e-04	1.22e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
1137	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	9.49e-03	7.79e-03	7.42e-03	85,90,92
	40.1	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
1138	0.0	0.01	7.27e-03	0.02	82,82,92	0.0	0.0	0.0	0,0,0	-4.73e-04	-4.57e-04	-4.52e-04	83,88,91
	40.1	6.82e-03	3.99e-03	8.25e-03	81,81,92	0.0	0.0	0.0	0,0,0				
1139	0.0	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0	4.73e-04	4.38e-04	4.29e-04	83,88,91
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1140	0.0	0.0	2.40e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.59e-03	-1.35e-03	-1.26e-03	81,87,92
	41.5	0.0	2.62e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1141	0.0	2.07e-04	1.57e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.41e-03	-1.16e-03	-1.06e-03	81,87,92
	41.5	7.81e-05	1.79e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
1142	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	0.01	8.85e-03	8.39e-03	85,90,92
	40.1	0.02	9.41e-03	0.02	83,83,91	0.0	0.0	0.0	0,0,0				
1143	0.0	0.01	6.00e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0	1.63e-04	1.06e-04	8.35e-05	81,87,92
	40.1	9.84e-03	5.56e-03	0.01	82,82,92	0.0	0.0	0.0	0,0,0				
1144	0.0	0.06	0.03	0.06	85,85,92	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	85,90,92
	40.1	0.07	0.04	0.07	85,85,92	0.0	0.0	0.0	0,0,0				
1145	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	1.62e-04	1.62e-04	1.62e-04	79,86,91
	40.1	0.0	0.04	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1146	0.0	0.0	2.87e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.56e-03	-1.33e-03	-1.24e-03	81,87,92

	41.5	0.0	3.07e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1147	0.0	1.18e-04	2.10e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0	-1.39e-03	-1.15e-03	-1.05e-03	81,87,92
	41.5	0.0	2.29e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1148	0.0	0.01	7.37e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	0.01	8.98e-03	8.54e-03	85,90,92
	40.1	8.73e-03	5.39e-03	8.14e-03	83,83,91	0.0	0.0	0.0	0,0,0				
1149	0.0	0.01	7.28e-03	0.02	81,81,92	0.0	0.0	0.0	0,0,0	8.89e-04	7.89e-04	7.49e-04	81,87,92
	40.1	0.01	6.22e-03	0.01	81,81,92	0.0	0.0	0.0	0,0,0				
1150	0.0	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0	0.01	8.73e-03	8.32e-03	85,90,92
	40.1	0.05	0.03	0.05	85,85,92	0.0	0.0	0.0	0,0,0				
1151	0.0	0.02	0.01	0.02	83,83,91	0.0	0.0	0.0	0,0,0	9.47e-03	7.77e-03	7.40e-03	85,90,92
	40.1	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
1152	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.96e-04	-7.18e-05	-4.65e-05	85,90,92
	40.1	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1153	0.0	0.0	3.28e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.54e-03	-1.31e-03	-1.22e-03	81,87,92
	41.5	0.0	3.46e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1154	0.0	0.0	2.54e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.37e-03	-1.13e-03	-1.04e-03	81,87,92
	41.5	0.0	2.71e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1155	0.0	9.30e-03	0.02	8.94e-03	85,81,92	0.0	0.0	0.0	0,0,0	0.01	8.96e-03	8.52e-03	85,90,92
	40.1	1.10e-03	4.92e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
1156	0.0	4.93e-04	1.21e-03	0.0	85,81,0	0.0	0.0	0.0	0,0,0	4.03e-04	3.41e-04	3.16e-04	81,87,92
	40.1	2.16e-03	3.71e-03	2.08e-03	85,81,92	0.0	0.0	0.0	0,0,0				
1157	0.0	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0	9.99e-03	8.23e-03	7.84e-03	85,90,92
	40.1	0.04	0.02	0.04	85,85,92	0.0	0.0	0.0	0,0,0				
1158	0.0	0.02	0.01	0.02	83,83,91	0.0	0.0	0.0	0,0,0	9.67e-03	7.93e-03	7.56e-03	85,90,92
	40.1	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0				
1159	0.0	0.04	0.02	0.04	85,85,92	0.0	0.0	0.0	0,0,0	0.01	9.61e-03	9.16e-03	85,90,92
	40.1	0.06	0.03	0.06	85,85,92	0.0	0.0	0.0	0,0,0				
1160	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.88e-04	-2.23e-04	-1.88e-04	85,90,92
	40.1	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1161	0.0	0.0	3.64e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.51e-03	-1.29e-03	-1.20e-03	81,87,92
	41.5	0.0	3.79e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1162	0.0	0.0	2.91e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.35e-03	-1.12e-03	-1.02e-03	81,87,92
	41.5	0.0	3.06e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1163	0.0	1.20e-03	6.40e-04	9.32e-04	85,85,92	0.0	0.0	0.0	0,0,0	-1.26e-04	-1.27e-04	-1.27e-04	83,88,91
	40.1	3.86e-03	4.67e-03	4.67e-03	85,81,92	0.0	0.0	0.0	0,0,0				
1164	0.0	0.02	0.01	0.02	85,85,92	0.0	0.0	0.0	0,0,0	9.65e-03	7.94e-03	7.56e-03	85,90,92
	40.1	0.03	0.02	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
1165	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.40e-04	-3.44e-04	-3.00e-04	85,90,92
	40.1	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1166	0.0	0.0	3.96e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.49e-03	-1.26e-03	-1.18e-03	81,87,92
	41.5	0.0	4.09e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1167	0.0	0.0	3.21e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.33e-03	-1.10e-03	-1.01e-03	81,87,92
	41.5	0.0	3.34e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1168	0.0	1.68e-03	9.16e-04	1.53e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.32e-04	-1.29e-04	-1.28e-04	83,88,91
	40.1	1.73e-03	9.36e-04	2.01e-03	83,83,91	0.0	0.0	0.0	0,0,0				
1169	0.0	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-6.74e-04	-4.50e-04	-3.99e-04	85,90,92
	40.1	0.0	0.04	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1170	0.0	0.0	4.23e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.46e-03	-1.24e-03	-1.16e-03	81,87,92
	41.5	0.0	4.34e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1171	0.0	0.0	3.47e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.31e-03	-1.09e-03	-9.99e-04	81,87,92
	41.5	0.0	3.58e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1172	0.0	2.15e-03	1.20e-03	2.10e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.92e-04	-1.90e-04	-1.89e-04	83,88,91
	40.1	1.42e-03	8.31e-04	1.39e-03	83,83,91	0.0	0.0	0.0	0,0,0				
1173	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.08e-04	-5.55e-04	-4.97e-04	85,90,92
	40.1	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1174	0.0	0.0	4.46e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.43e-03	-1.22e-03	-1.14e-03	81,87,92
	41.5	0.0	4.56e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1175	0.0	0.0	3.70e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.29e-03	-1.07e-03	-9.87e-04	81,87,92
	41.5	0.0	3.78e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1176	0.0	2.58e-03	1.49e-03	2.59e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.33e-04	-2.30e-04	-2.29e-04	83,88,91
	40.1	1.78e-03	1.08e-03	1.90e-03	82,82,92	0.0	0.0	0.0	0,0,0				
1177	0.0	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.59e-04	-6.73e-04	-6.05e-04	85,90,92
	40.1	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1178	0.0	0.0	4.66e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.41e-03	-1.20e-03	-1.12e-03	81,87,92
	41.5	0.0	4.75e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1179	0.0	0.0	3.89e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.28e-03	-1.06e-03	-9.75e-04	81,87,92
	41.5	0.0	3.94e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1180	0.0	2.48e-03	1.54e-03	2.88e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.67e-04	-2.64e-04	-2.64e-04	83,88,91
	40.1	2.72e-03	1.64e-03	3.00e-03	82,82,92	0.0	0.0	0.0	0,0,0				
1181	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.15e-03	-8.20e-04	-7.41e-04	85,90,92
	40.1	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1182	0.0	0.0	4.81e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.38e-03	-1.18e-03	-1.10e-03	81,87,92
	41.5	0.0	4.88e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1183	0.0	0.0	4.04e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.26e-03	-1.05e-03	-9.64e-04	81,87,92
	41.5	0.0	4.07e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1184	0.0	5.71e-03	3.23e-03	6.94e-03	85,85,92	0.0	0.0	0.0	0,0,0	-3.31e-04	-3.29e-04	-3.29e-04	83,88,91
	40.1	3.41e-03	2.08e-03	3.76e-03	82,82,92	0.0	0.0	0.0	0,0,0				
1185	0.0	1.03e-03	9.18e-03	0.0	85,83,0	0.0	0.0	0.0	0,0,0	-1.41e-03	-1.02e-03	-9.24e-04	85,90,92
	40.1	5.70e-03	0.02	3.70e-03	85,83,92	0.0	0.0	0.0	0,0,0				
1186	0.0	0.0	4.91e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.36e-03	-1.16e-03	-1.08e-03	81,87,92
	41.5	0.0	4.96e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1187	0.0	0.0	4.16e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.24e-03	-1.04e-03	-9.53e-04	81,87,92
	41.5	0.0	4.17e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1188	0.0	9.48e-03	5.21e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-6.18e-04	-6.16e-04	-6.15e-04	83,88,91
	40.1	4.41e-03	2.70e-03	4.94e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1189	0.0	3.81e-03	2.07e-03	3.32e-03	85,85,91	0.0	0.0	0.0	0,0,0	-1.79e-03	-1.30e-03	-1.18e-03	85,90,92
	40.1	5.62e-03	3.45e-03	4.89e-03	83,79,91	0.0	0.0	0.0	0,0,0				
1190	0.0	0.0	4.96e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.34e-03	-1.14e-03	-1.06e-03	81,87,92
	41.5	0.0	4.98e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1191	0.0	0.0	4.24e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.23e-03	-1.02e-03	-9.42e-04	81,87,92
	41.5	0.0	4.21e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1192	0.0	8.96e-03	5.20e-03	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-1.44e-03	-1.39e-03	-1.37e-03	85,87,92
	40.1	0.02	0.01	0.03	85,85,92	0.0	0.0	0.0	0,0,0				
1193	0.0	5.39e-03	3.08e-03	4.07e-03	85,85,92	0.0	0.0	0.0	0,0,0	-2.33e-03	-1.70e-03	-1.55e-03	85,90,92
	40.1	8.92e-03	4.77e-03	7.84e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1194	0.0	0.0	4.95e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.31e-03	-1.12e-03	-1.04e-03	81,87,92
	41.5	0.0	4.95e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1195	0.0	0.0	4.26e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.21e-03	-1.01e-03	-9.32e-04	81,87,92
	41.5	0.0	4.24e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1196	0.0	7.87e-03	4.64e-03	9.20e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.18e-03	-1.13e-03	-1.12e-03	85,87,92
	40.1	7.09e-03	4.25e-03	8.01e-03	85,85,92	0.0	0.0	0.0	0,0,0				

1197	0.0	2.86e-03	7.75e-03	2.59e-04	85,79,92	0.0	0.0	0.0	0,0,0	-2.61e-03	-1.91e-03	-1.74e-03	85,90,92
	40.1	0.02	0.04	0.02	85,83,92	0.0	0.0	0.0	0,0,0				
1198	0.0	0.0	4.90e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.29e-03	-1.10e-03	-1.02e-03	81,87,92
	41.5	0.0	4.87e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1199	0.0	0.0	4.24e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.20e-03	-1.00e-03	-9.23e-04	81,87,92
	41.5	0.0	4.24e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1200	0.0	7.93e-03	4.52e-03	9.23e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.12e-03	-1.06e-03	-1.05e-03	85,87,92
	40.1	4.90e-03	3.01e-03	5.37e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1201	0.0	0.0	0.07	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.36e-03	-9.92e-04	-9.01e-04	85,90,92
	40.1	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1202	0.0	0.0	4.82e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.27e-03	-1.08e-03	-1.01e-03	81,87,92
	41.5	0.0	4.78e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1203	0.0	0.0	4.17e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.18e-03	-9.90e-04	-9.13e-04	81,87,92
	41.5	0.0	4.20e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1204	0.0	4.58e-03	2.67e-03	4.80e-03	85,85,92	0.0	0.0	0.0	0,0,0	-8.88e-04	-8.34e-04	-8.24e-04	85,87,92
	40.1	4.50e-03	2.62e-03	5.33e-03	82,82,92	0.0	0.0	0.0	0,0,0				
1205	0.0	0.0	0.10	0.0	0,83,0	0.0	0.0	0.0	0,0,0	5.62e-04	4.02e-04	3.62e-04	83,88,91
	40.1	0.0	0.08	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1206	0.0	0.0	4.73e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.24e-03	-1.06e-03	-9.87e-04	81,87,92
	41.5	0.0	4.69e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1207	0.0	0.0	4.10e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.17e-03	-9.79e-04	-9.04e-04	81,87,92
	41.5	0.0	4.13e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1208	0.0	1.81e-03	9.88e-04	1.61e-03	85,85,92	0.0	0.0	0.0	0,0,0	-7.36e-04	-7.02e-04	-6.92e-04	82,87,92
	40.1	4.94e-03	5.51e-03	5.85e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1209	0.0	0.02	0.06	0.01	85,83,92	0.0	0.0	0.0	0,0,0	1.68e-03	1.20e-03	1.07e-03	83,88,91
	40.1	0.0	0.03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1210	0.0	0.0	4.66e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.22e-03	-1.04e-03	-9.68e-04	81,87,92
	41.5	0.0	4.63e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1211	0.0	0.0	4.03e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.15e-03	-9.68e-04	-8.94e-04	81,87,92
	41.5	0.0	4.06e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1212	0.0	7.94e-04	4.71e-03	0.0	85,81,0	0.0	0.0	0.0	0,0,0	-7.87e-04	-7.57e-04	-7.46e-04	82,87,92
	40.1	2.46e-03	7.18e-03	1.84e-03	85,81,92	0.0	0.0	0.0	0,0,0				
1213	0.0	8.20e-03	4.47e-03	6.43e-03	85,85,92	0.0	0.0	0.0	0,0,0	1.37e-03	9.56e-04	8.52e-04	83,88,91
	40.1	5.79e-03	3.29e-03	4.22e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1214	0.0	0.0	4.64e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.20e-03	-1.02e-03	-9.48e-04	81,87,92
	41.5	0.0	4.61e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1215	0.0	0.0	4.00e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-1.14e-03	-9.56e-04	-8.84e-04	81,87,92
	41.5	0.0	4.01e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0				
1216	0.0	0.0	6.31e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-8.12e-04	-7.83e-04	-7.71e-04	81,87,92
	40.1	1.50e-03	8.70e-03	0.0	85,81,0	0.0	0.0	0.0	0,0,0				
1217	0.0	7.20e-03	4.07e-03	5.47e-03	85,85,92	0.0	0.0	0.0	0,0,0	8.40e-04	5.63e-04	4.93e-04	83,88,91
	40.1	6.34e-03	3.64e-03	4.62e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1218	0.0	0.0	4.68e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.17e-03	-9.96e-04	-9.26e-04	81,87,92
	41.5	0.0	4.69e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
1219	0.0	0.0	4.02e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.12e-03	-9.45e-04	-8.74e-04	81,87,92
	41.5	0.0	4.01e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
1220	0.0	0.0	6.97e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-8.28e-04	-7.98e-04	-7.86e-04	81,87,92
	40.1	1.10e-03	8.91e-03	0.0	85,81,0	0.0	0.0	0.0	0,0,0				
1221	0.0	6.91e-03	3.67e-03	6.08e-03	85,85,91	0.0	0.0	0.0	0,0,0	4.67e-04	2.85e-04	2.39e-04	83,88,91
	40.1	4.28e-03	2.42e-03	3.00e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1222	0.0	0.0	4.85e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.14e-03	-9.72e-04	-9.04e-04	81,87,92
	41.5	0.0	4.88e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1223	0.0	0.0	4.14e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0	-1.11e-03	-9.33e-04	-8.63e-04	81,87,92
	41.5	0.0	4.12e-03	0.0	0,82,0	0.0	0.0	0.0	0,0,0				
1224	0.0	0.0	7.07e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-8.37e-04	-8.06e-04	-7.94e-04	81,87,92
	40.1	9.63e-04	7.91e-03	0.0	85,81,0	0.0	0.0	0.0	0,0,0				
1225	0.0	5.46e-03	7.23e-03	4.12e-03	85,79,92	0.0	0.0	0.0	0,0,0	2.09e-04	9.01e-05	6.04e-05	83,88,91
	40.1	2.57e-03	4.48e-03	1.64e-03	83,79,92	0.0	0.0	0.0	0,0,0				
1226	0.0	0.0	5.20e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.12e-03	-9.47e-04	-8.80e-04	81,87,92
	41.5	0.0	5.26e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1227	0.0	0.0	4.40e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.09e-03	-9.20e-04	-8.51e-04	81,87,92
	41.5	0.0	4.43e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1228	0.0	1.20e-03	6.46e-03	0.0	85,81,0	0.0	0.0	0.0	0,0,0	-8.39e-04	-8.08e-04	-7.95e-04	81,87,92
	40.1	1.05e-03	6.12e-03	0.0	85,81,0	0.0	0.0	0.0	0,0,0				
1229	0.0	3.17e-03	9.82e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-7.33e-05	-7.21e-05	-7.16e-05	81,87,92
	40.1	1.25e-03	8.06e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
1230	0.0	0.0	5.64e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.09e-03	-9.19e-04	-8.52e-04	81,87,92
	41.5	0.0	5.67e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1231	0.0	0.0	4.73e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.08e-03	-9.06e-04	-8.39e-04	81,87,92
	41.5	0.0	4.85e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1232	0.0	1.85e-03	5.22e-03	1.51e-03	85,81,92	0.0	0.0	0.0	0,0,0	-8.33e-04	-8.02e-04	-7.89e-04	81,87,92
	40.1	1.22e-03	4.24e-03	6.63e-04	85,81,92	0.0	0.0	0.0	0,0,0				
1233	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.74e-04	-1.74e-04	-1.74e-04	79,86,91
	40.1	0.0	0.01	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
1234	0.0	0.0	6.19e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.05e-03	-8.87e-04	-8.22e-04	81,87,92
	41.5	0.0	6.20e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1235	0.0	0.0	5.21e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.06e-03	-8.91e-04	-8.24e-04	81,87,92
	41.5	0.0	5.31e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1236	0.0	1.88e-03	3.69e-03	1.82e-03	82,81,92	0.0	0.0	0.0	0,0,0	-8.18e-04	-7.87e-04	-7.75e-04	81,87,92
	40.1	1.35e-03	2.93e-03	1.29e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1237	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-2.63e-04	-2.63e-04	-2.63e-04	79,86,91
	40.1	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1238	0.0	0.0	6.86e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.38e-04	-8.49e-04	-7.85e-04	81,87,92
	41.5	0.0	6.77e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1239	0.0	0.0	5.75e-03	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.04e-03	-8.73e-04	-8.07e-04	81,87,92
	41.5	0.0	5.86e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1240	0.0	1.07e-03	1.82e-03	9.03e-04	82,81,92	0.0	0.0	0.0	0,0,0	-7.95e-04	-7.64e-04	-7.52e-04	81,87,92
	40.1	1.70e-03	2.78e-03	1.74e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1241	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.57e-04	-3.50e-04	-3.48e-04	83,88,91
	40.1	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1242	0.0	0.0	7.54e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.11e-04	-4.27e-04	-3.93e-04	81,87,92
	41.5	0.0	7.33e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1243	0.0	0.0	6.47e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-1.01e-03	-8.51e-04	-7.86e-04	81,87,92
	41.5	0.0	6.55e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1244	0.0	2.47e-03	3.43e-03	2.68e-03	83,81,91	0.0	0.0	0.0	0,0,0	-7.75e-04	-7.46e-04	-7.35e-04	81,87,92
	40.1	2.12e-03	4.06e-03	2.17e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1245	0.0	0.0	8.16e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0	-4.77e-04	-4.45e-04	-4.37e-04	83,88,91
	40.1	1.10e-03	0.01	0.0	85,83,0	0.0	0.0	0.0	0,0,0				
1246	0.0	0.0	8.05e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.95e-04	-3.94e-04	-3.61e-04	81,87,92
	41.5	0.0	7.82e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1247	0.0	0.0	7.27e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.83e-04	-8.23e-04	-7.59e-04	81,87,92

	41.5	0.0	7.28e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1248	0.0	0.0	9.81e-03	0.0	0,81,0	0.0	0.0	0.0	0,0,0	-7.70e-04	-7.41e-04	-7.29e-04	81,87,92
	40.1	2.57e-03	0.02	8.93e-04	85,81,92	0.0	0.0	0.0	0,0,0				
1249	0.0	1.50e-03	5.31e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	-6.19e-04	-5.57e-04	-5.41e-04	83,88,91
	40.1	3.54e-03	7.57e-03	2.19e-03	85,79,92	0.0	0.0	0.0	0,0,0				
1250	0.0	0.0	7.72e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.12e-04	-6.63e-04	-3.21e-04	81,87,92
	41.5	0.0	7.94e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1251	0.0	0.0	8.09e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-5.02e-04	-7.87e-04	-7.24e-04	81,87,92
	41.5	0.0	8.02e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1252	0.0	4.13e-03	0.01	4.53e-03	85,81,91	0.0	0.0	0.0	0,0,0	-8.91e-04	-8.54e-04	-8.39e-04	81,87,92
	40.1	1.68e-03	8.12e-03	0.0	83,81,0	0.0	0.0	0.0	0,0,0				
1253	0.0	2.27e-03	1.35e-03	1.90e-03	85,79,91	0.0	0.0	0.0	0,0,0	-8.01e-04	-6.99e-04	-6.73e-04	83,88,91
	40.1	4.77e-03	4.08e-03	4.32e-03	83,79,92	0.0	0.0	0.0	0,0,0				
1254	0.0	0.0	6.23e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.89e-04	-5.91e-04	-5.35e-04	81,87,92
	41.5	0.0	7.07e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1255	0.0	0.0	8.71e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.75e-04	-3.93e-04	-3.61e-04	81,87,92
	41.5	0.0	8.66e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1256	0.0	2.72e-03	0.01	1.82e-03	83,81,91	0.0	0.0	0.0	0,0,0	-1.30e-03	-1.23e-03	-1.21e-03	81,87,92
	40.1	2.25e-03	0.01	7.52e-04	83,81,91	0.0	0.0	0.0	0,0,0				
1257	0.0	3.92e-03	2.25e-03	3.05e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.05e-03	-8.91e-04	-8.51e-04	83,88,91
	40.1	4.79e-03	2.68e-03	3.99e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1258	0.0	0.0	7.79e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.08e-04	-5.77e-04	-5.24e-04	81,87,92
	41.5	0.0	6.05e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1259	0.0	0.0	8.48e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.41e-04	-3.63e-04	-3.31e-04	81,87,92
	41.5	0.0	8.88e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1260	0.0	3.53e-03	5.30e-03	3.89e-03	82,81,92	0.0	0.0	0.0	0,0,0	-1.78e-03	-1.68e-03	-1.64e-03	81,87,92
	40.1	4.83e-03	7.40e-03	6.06e-03	82,81,92	0.0	0.0	0.0	0,0,0				
1261	0.0	5.09e-03	2.98e-03	4.20e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.39e-03	-1.15e-03	-1.09e-03	83,88,91
	40.1	5.89e-03	3.38e-03	4.87e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1262	0.0	0.0	8.53e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.69e-04	-6.43e-04	-5.92e-04	81,87,92
	41.5	0.0	8.21e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1263	0.0	0.0	8.23e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.74e-04	-6.35e-04	-5.80e-04	81,87,92
	41.5	0.0	8.11e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1264	0.0	6.70e-03	3.74e-03	7.79e-03	82,82,92	0.0	0.0	0.0	0,0,0	-1.83e-03	-1.73e-03	-1.69e-03	81,87,92
	40.1	3.73e-03	2.29e-03	4.39e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1265	0.0	3.52e-03	2.00e-03	2.83e-03	85,85,92	0.0	0.0	0.0	0,0,0	-1.58e-03	-1.30e-03	-1.23e-03	83,88,91
	40.1	0.01	9.03e-03	0.01	85,83,92	0.0	0.0	0.0	0,0,0				
1266	0.0	0.0	7.99e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.47e-04	-7.20e-04	-6.69e-04	81,87,92
	41.5	0.0	9.55e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1267	0.0	0.0	9.77e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.74e-04	-6.45e-04	-5.93e-04	81,87,92
	41.5	0.0	8.15e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1268	0.0	6.15e-03	3.64e-03	7.21e-03	82,82,92	0.0	0.0	0.0	0,0,0	-1.47e-03	-1.39e-03	-1.36e-03	81,87,92
	40.1	8.55e-03	4.84e-03	9.99e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1269	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.81e-04	-8.53e-04	-8.21e-04	83,88,91
	40.1	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1270	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.48e-04	-3.78e-04	-3.50e-04	81,87,92
	41.5	0.0	9.81e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1271	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.48e-04	-7.24e-04	-6.74e-04	81,87,92
	41.5	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1272	0.0	4.56e-03	2.69e-03	5.33e-03	82,82,92	0.0	0.0	0.0	0,0,0	-1.17e-03	-1.11e-03	-1.09e-03	81,87,92
	40.1	7.52e-03	4.15e-03	8.82e-03	82,82,92	0.0	0.0	0.0	0,0,0				
1273	0.0	2.96e-03	0.03	1.75e-03	85,83,92	0.0	0.0	0.0	0,0,0	-3.58e-04	-3.58e-04	-3.58e-04	79,86,91
	40.1	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1274	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-3.93e-04	-3.25e-04	-2.98e-04	81,87,92
	41.5	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1275	0.0	0.0	9.73e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.28e-04	-8.03e-04	-7.52e-04	81,87,92
	41.5	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1276	0.0	9.42e-03	0.01	0.01	85,85,92	0.0	0.0	0.0	0,0,0	-1.00e-03	-9.51e-04	-9.29e-04	81,87,92
	40.1	4.74e-03	5.89e-03	5.50e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1277	0.0	5.39e-03	0.02	4.44e-03	85,83,92	0.0	0.0	0.0	0,0,0	-1.25e-04	-1.25e-04	-1.25e-04	79,86,91
	40.1	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1278	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-7.00e-04	-5.78e-04	-5.29e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1279	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.24e-04	-7.95e-04	-7.44e-04	81,87,92
	41.5	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1280	0.0	5.01e-03	5.52e-03	4.37e-03	85,83,92	0.0	0.0	0.0	0,0,0	2.82e-04	6.45e-05	-3.06e-05	85,90,91
	40.1	1.70e-03	1.23e-03	1.58e-03	85,79,92	0.0	0.0	0.0	0,0,0				
1281	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.03e-04	-6.81e-04	-6.32e-04	81,87,92
	41.5	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1282	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-4.46e-04	-3.79e-04	-3.52e-04	81,87,92
	41.5	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1283	0.0	3.89e-03	2.15e-03	3.23e-03	85,85,92	0.0	0.0	0.0	0,0,0	4.00e-04	1.47e-04	8.80e-05	85,90,92
	40.1	2.45e-03	1.44e-03	1.95e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1284	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.45e-04	-7.16e-04	-6.65e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1285	0.0	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-8.21e-04	-7.00e-04	-6.52e-04	81,87,92
	41.5	0.0	0.01	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1286	0.0	4.14e-03	2.40e-03	3.32e-03	85,85,92	0.0	0.0	0.0	0,0,0	4.67e-04	1.95e-04	1.31e-04	85,90,92
	40.1	3.21e-03	1.94e-03	2.56e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1287	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-7.30e-04	-6.01e-04	-5.50e-04	81,87,92
	41.5	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1288	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.27e-04	-8.06e-04	-7.57e-04	81,87,92
	41.5	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1289	0.0	4.27e-03	2.54e-03	3.39e-03	85,85,92	0.0	0.0	0.0	0,0,0	5.04e-04	2.20e-04	1.54e-04	85,90,92
	40.1	3.75e-03	2.28e-03	2.97e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1290	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-6.61e-04	-5.38e-04	-4.90e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1291	0.0	0.0	0.02	0.0	0,83,0	0.0	0.0	0.0	0,0,0	-9.64e-04	-8.36e-04	-7.85e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1292	0.0	4.23e-03	2.56e-03	3.34e-03	85,85,92	0.0	0.0	0.0	0,0,0	5.23e-04	2.34e-04	1.66e-04	85,90,92
	40.1	4.05e-03	2.47e-03	3.19e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1293	0.0	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-7.92e-04	-6.69e-04	-6.19e-04	81,87,92
	41.5	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1294	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-4.62e-04	-3.94e-04	-3.67e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1295	0.0	4.03e-03	2.46e-03	3.17e-03	85,85,92	0.0	0.0	0.0	0,0,0	5.33e-04	2.40e-04	1.72e-04	85,90,92
	40.1	4.12e-03	2.51e-03	3.24e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1296	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.62e-04	-8.28e-04	-7.74e-04	81,87,92
	41.5	0.0	0.02	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1297	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-8.32e-04	-7.11e-04	-6.63e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				

1298	0.0	3.69e-03	2.27e-03	2.90e-03	85,85,92	0.0	0.0	0.0	0,0,0	5.40e-04	2.45e-04	1.77e-04	85,90,92
	40.1	4.00e-03	2.43e-03	3.13e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1299	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.03e-03	-8.86e-04	-8.29e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1300	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-9.70e-04	-8.49e-04	-8.00e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1301	0.0	3.25e-03	2.00e-03	2.56e-03	85,85,92	0.0	0.0	0.0	0,0,0	5.50e-04	2.52e-04	1.83e-04	85,90,92
	40.1	3.71e-03	2.24e-03	2.90e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1302	0.0	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0	-1.13e-03	-9.97e-04	-9.44e-04	81,87,92
	41.5	0.0	0.01	0.0	0,85,0	0.0	0.0	0.0	0,0,0				
1303	0.0	2.73e-03	1.68e-03	2.18e-03	85,85,92	0.0	0.0	0.0	0,0,0	5.66e-04	2.61e-04	1.91e-04	85,90,92
	40.1	3.29e-03	1.96e-03	2.58e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1304	0.0	2.17e-03	1.33e-03	1.76e-03	85,85,92	0.0	0.0	0.0	0,0,0	5.90e-04	2.76e-04	2.04e-04	85,90,92
	40.1	2.78e-03	1.63e-03	2.20e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1305	0.0	1.63e-03	9.89e-04	1.36e-03	85,85,92	0.0	0.0	0.0	0,0,0	6.23e-04	2.96e-04	2.20e-04	85,90,92
	40.1	2.21e-03	1.27e-03	1.78e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1306	0.0	1.14e-03	6.77e-04	9.90e-04	85,85,92	0.0	0.0	0.0	0,0,0	6.65e-04	3.21e-04	2.41e-04	85,90,92
	40.1	1.63e-03	9.20e-04	1.36e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1307	0.0	7.51e-04	4.21e-04	6.78e-04	85,85,92	0.0	0.0	0.0	0,0,0	7.12e-04	3.50e-04	2.65e-04	85,90,92
	40.1	1.23e-03	6.43e-04	1.05e-03	85,85,92	0.0	0.0	0.0	0,0,0				
1308	0.0	7.05e-04	1.24e-03	6.21e-04	85,83,92	0.0	0.0	0.0	0,0,0	7.63e-04	3.80e-04	2.91e-04	85,90,92
	40.1	1.04e-03	1.76e-03	9.36e-04	85,83,92	0.0	0.0	0.0	0,0,0				
1309	0.0	4.78e-04	2.57e-03	3.73e-04	82,83,92	0.0	0.0	0.0	0,0,0	8.13e-04	4.10e-04	3.16e-04	85,90,92
	40.1	6.18e-04	2.76e-03	5.87e-04	82,83,92	0.0	0.0	0.0	0,0,0				
1310	0.0	2.10e-04	3.16e-03	0.0	81,83,0	0.0	0.0	0.0	0,0,0	8.58e-04	4.38e-04	3.40e-04	85,90,92
	40.1	2.92e-04	3.08e-03	0.0	81,83,0	0.0	0.0	0.0	0,0,0				
1311	0.0	0.0	3.16e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0	8.96e-04	4.61e-04	3.60e-04	85,90,92
	40.1	0.0	2.92e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1312	0.0	9.10e-05	2.80e-03	0.0	85,83,0	0.0	0.0	0.0	0,0,0	9.26e-04	4.81e-04	3.77e-04	85,90,92
	40.1	0.0	2.50e-03	0.0	0,83,0	0.0	0.0	0.0	0,0,0				
1313	0.0	2.37e-04	2.50e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	9.48e-04	4.96e-04	3.91e-04	85,90,92
	40.1	0.0	2.47e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
1314	0.0	2.79e-04	2.52e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	9.63e-04	5.07e-04	4.02e-04	85,90,92
	40.1	8.13e-05	2.52e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
1315	0.0	2.31e-04	2.59e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	9.73e-04	5.16e-04	4.10e-04	85,90,92
	40.1	1.38e-04	2.62e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
1316	0.0	7.88e-05	2.72e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	9.78e-04	5.22e-04	4.16e-04	85,90,92
	40.1	7.01e-05	2.79e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
1317	0.0	0.0	2.93e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0	9.81e-04	5.26e-04	4.22e-04	85,90,92
	40.1	0.0	3.02e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
1318	0.0	0.0	3.18e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0	9.82e-04	5.31e-04	4.27e-04	85,90,92
	40.1	0.0	3.29e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
1319	0.0	0.0	3.45e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0	9.83e-04	5.35e-04	4.32e-04	85,90,92
	40.1	0.0	3.57e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
1320	0.0	0.0	3.73e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0	9.83e-04	5.40e-04	4.38e-04	85,90,92
	40.1	0.0	3.82e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
1321	0.0	0.0	3.95e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0	9.84e-04	5.45e-04	4.45e-04	85,90,92
	40.1	0.0	3.93e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
1322	0.0	0.0	3.99e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0	9.84e-04	5.51e-04	4.52e-04	85,90,92
	40.1	0.0	3.66e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0				
1323	0.0	0.0	3.56e-03	0.0	0,79,0	0.0	0.0	0.0	0,0,0	5.20e-04	5.52e-04	4.55e-04	85,90,92
	40.1	1.53e-04	4.25e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0				
1324	0.0	3.85e-04	2.53e-03	0.0	85,79,0	0.0	0.0	0.0	0,0,0	9.36e-04	5.23e-04	4.29e-04	85,90,92
	40.1	4.24e-03	7.60e-03	2.65e-03	85,85,92	0.0	0.0	0.0	0,0,0				
Trave		**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**		**dR**	**dF**	**dP**	
		0.41	0.63	0.44		0.42	0.18	0.17		0.05	0.05	0.05	

VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A.

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata.*
Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok e NV,** il rapporto x/d, la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.
Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.
Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.
Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale
La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.
Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.
Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattorei di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione "*Singolo Elemento …*" è presente una tabella con i simboli di seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento
Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Per gli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*" è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA

H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

Per le verifiche degli elementi con progettazione "*Singolo Elemento* …" e *Progettazione Composta* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e\o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx Mx Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella con le verifiche per gli elementi con progettazione "*Singolo Elemento* …", è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)

Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

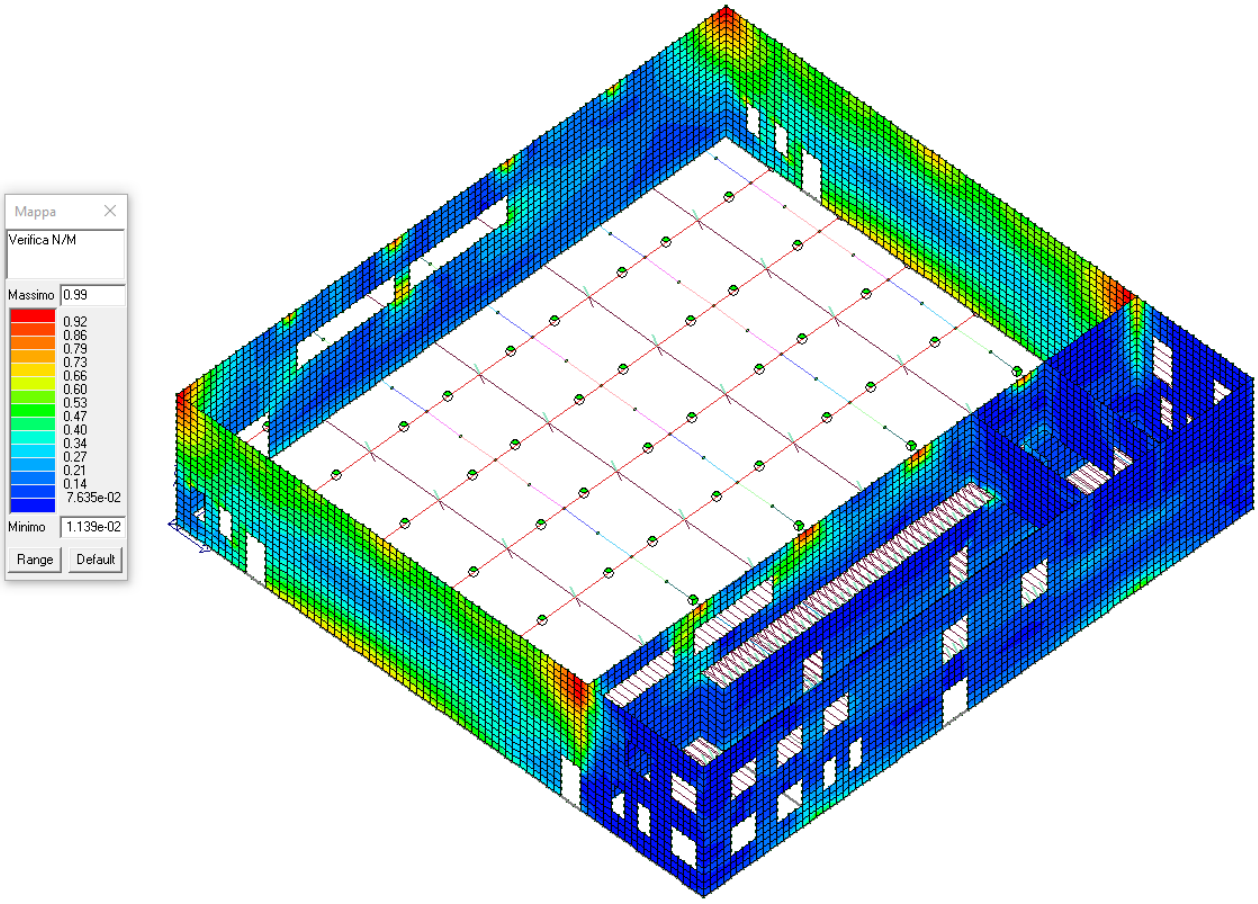
Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature
Incli.	Angolo di inclinazione delle armature
Dist.	Distanza alla base tra le armature inclinate

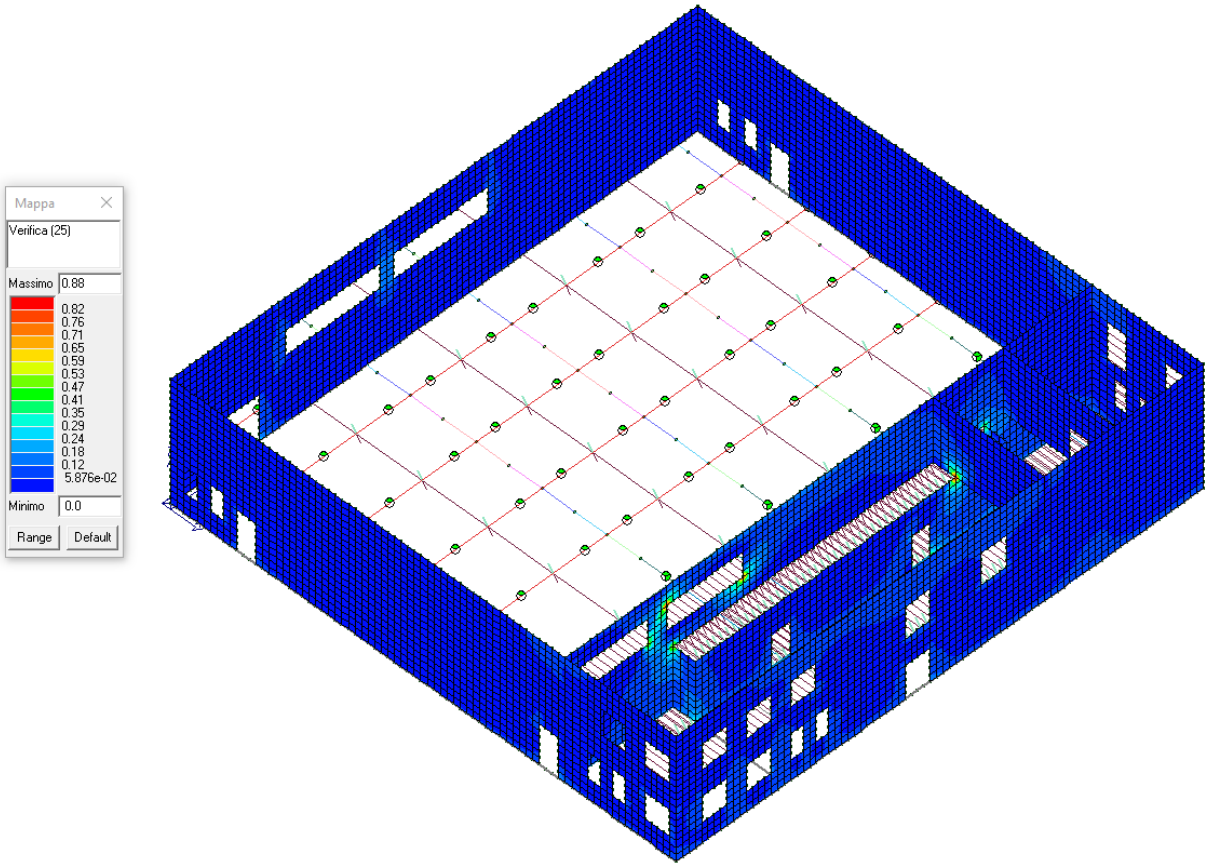
Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)

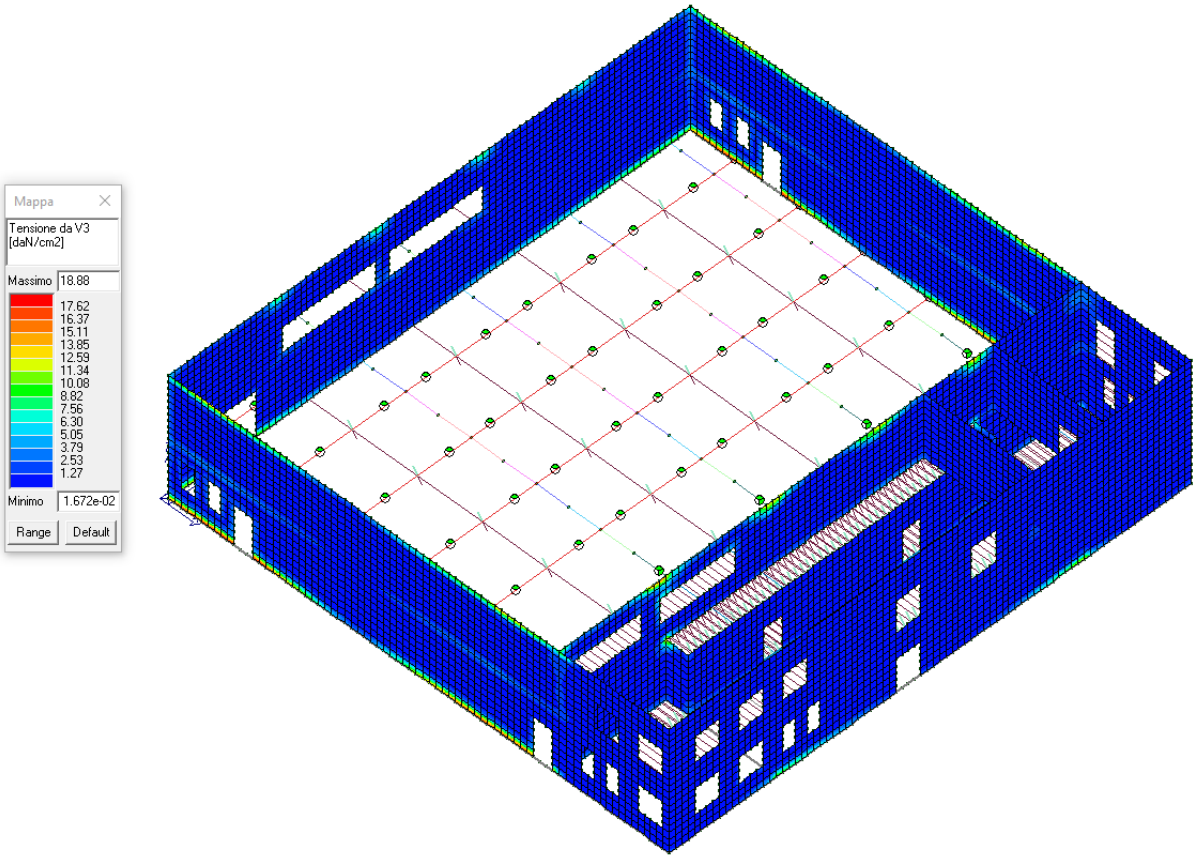
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato Ned/(bw fyd)

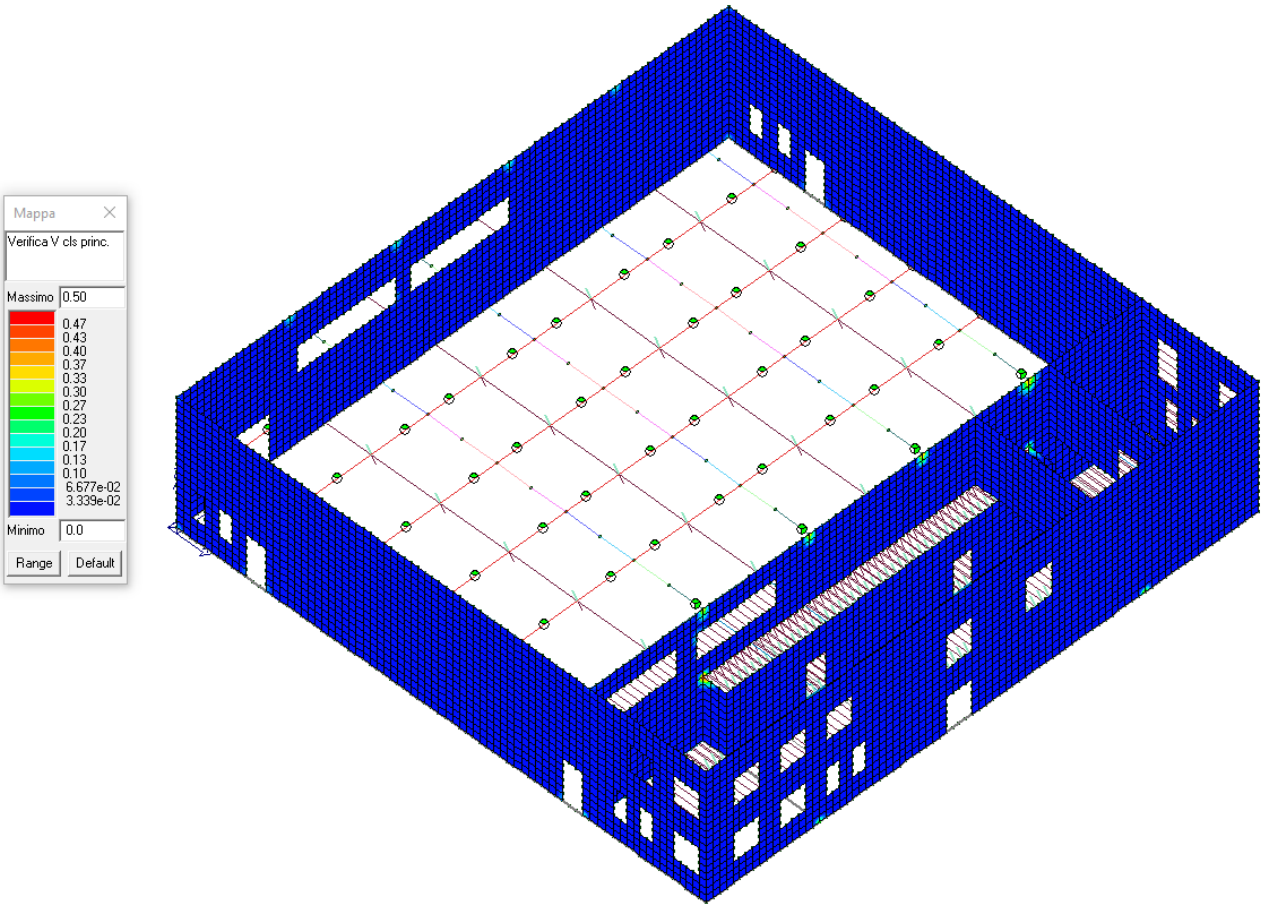
Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

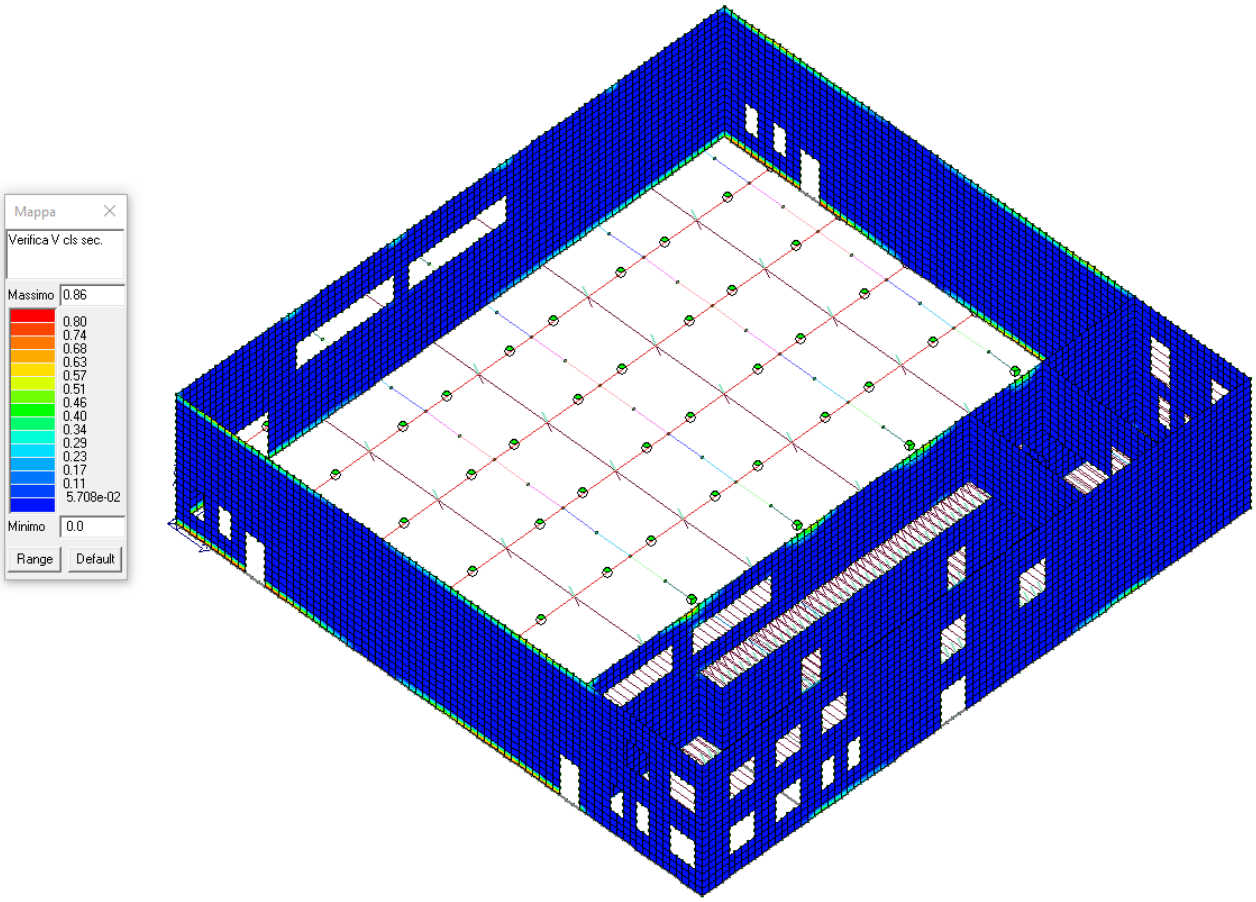
Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)
Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose




Mappa
Verifica (25)
Massimo 0.88
0.82
0.76
0.71
0.65
0.59
0.53
0.47
0.41
0.35
0.29
0.24
0.18
0.12
5.876e-02
Minimo 0.0
Range
Default


Mappa
Tensione da V3 [daN/cm2]
Massimo 18.88
17.62
16.37
15.11
13.85
12.59
11.34
10.08
8.82
7.56
6.30
5.05
3.79
2.53
1.27
Minimo 1.672e-02
Range
Default


Mappa
Verifica V cls princ.
Massimo 0.50
0.47
0.43
0.40
0.37
0.33
0.30
0.27
0.23
0.20
0.17
0.13
0.10
6.677e-02
3.339e-02
Minimo 0.0
Range
Default


Mappa
Verifica V cls sec.
Massimo 0.86
0.80
0.74
0.68
0.63
0.57
0.51
0.46
0.40
0.34
0.29
0.23
0.17
0.11
5.708e-02
Minimo 0.0
Range
Default

VERIFICHE S.L. ELEMENTI IN LEGNO

legenda tabella verifiche s.l. elementi in legno
Il programma consente la verifica dei seguenti tipi di elementi:
1. Aste
2. Travi
3. Pilastri

L'esito delle verifiche è espresso con un codice come di seguito indicato:
ok: verifica con esito positivo
NV: verifica con esito negativo

Simbologia adottata nelle tabelle di verifica

Le verifiche effettuate ai sensi delle NTC 2018 sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: Trave **(T),** Pilastro **(P),** Asta **(A)**
Stato	Codice della verifica: **ok** verificato, **NV** non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+/M	Verifica come da formule 4.4.6a e 4.4.6b per tensoflessione, con i valori di km definiti nel par. 4.4.8.1.6
Ver N-/M	Verifica come da formule 4.4.7a e 4.4.7b per pressoflessione, con i valori di km definiti nel par. 4.4.8.1.6
Ver V/T	Verifica come da formula 4.4.10 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica instabilità a compressione come da par. 4.4.8.2.2
Kcy(z)	Fattore di instabilità Kcrit,c utilizzato nella formula 4.4.13, in funzione della snellezza relativa
Ver M(s)	Verifica instabilità laterale come da par. 4.4.8.2.1, effettuata in entrambi i piani principali y e z
Kcrit (y)/(z)	Fattore di instabilità laterale utilizzato nella formula 4.4.11 rispettivamente per la flessione y e z
w,net R	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
w,net Ri	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito
kdef	Fattore di deformazione dell' elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

Le verifiche effettuate ai sensi dell'EC5 sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: Trave **(T),** Pilastro **(P),** Asta **(A)**
Stato	Codice della verifica **ok** verificato, **NV** non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+/M	Verifica come da formula 6.17 e 6.18 per tensoflessione
Ver N-/M	Verifica come da formula 6.19 e 6.20 per pressoflessione
Ver V/T	Verifica come da formula 6.13 e 6.14 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica come da formula 6.23 e 6.24 per pressoflessione di elementi con snellezza relativa in un piano maggiore di 0.3
Kcy (z)	Fattore di instabilità utilizzato nella formula 6.23 (6.24)
Ver M(s)	Verifica come da formula 6.35 (effettuata in entrambi i piani principali) per instabilità laterale
Kcrit (y) (z)	Fattore di instabilità laterale utilizzato nella formula 6.35 rispettivamente per la flessione y e z
w,net R	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
w,net Ri	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito
kdef	Fattore di deformazione dell' elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

Elem.	Note	Pos. cm	Ver N+/M	Ver N-/M	Ver V/T	Rif. cmb	Ver N(s)	Kcy	Kcz	Ver M(s)	Kcrit(y)	Kcrit(z)	Rif. cmb
412 ok	T,s=8,m=58	0.0	0.6	0.2	1.49e-02	11,36,41	0.2	0.9	0.8	0.4	1.0	1.0	36,9
		207.5	0.6	0.2	1.53e-02	11,36,41	0.2	0.9	0.8	0.4	1.0	1.0	36,9
413 ok	T,s=3,m=58	0.0	1.44e-02	1.14e-04	0.5	30,27,9	1.37e-02	0.9	0.8	1.37e-02	1.0	1.0	27,27

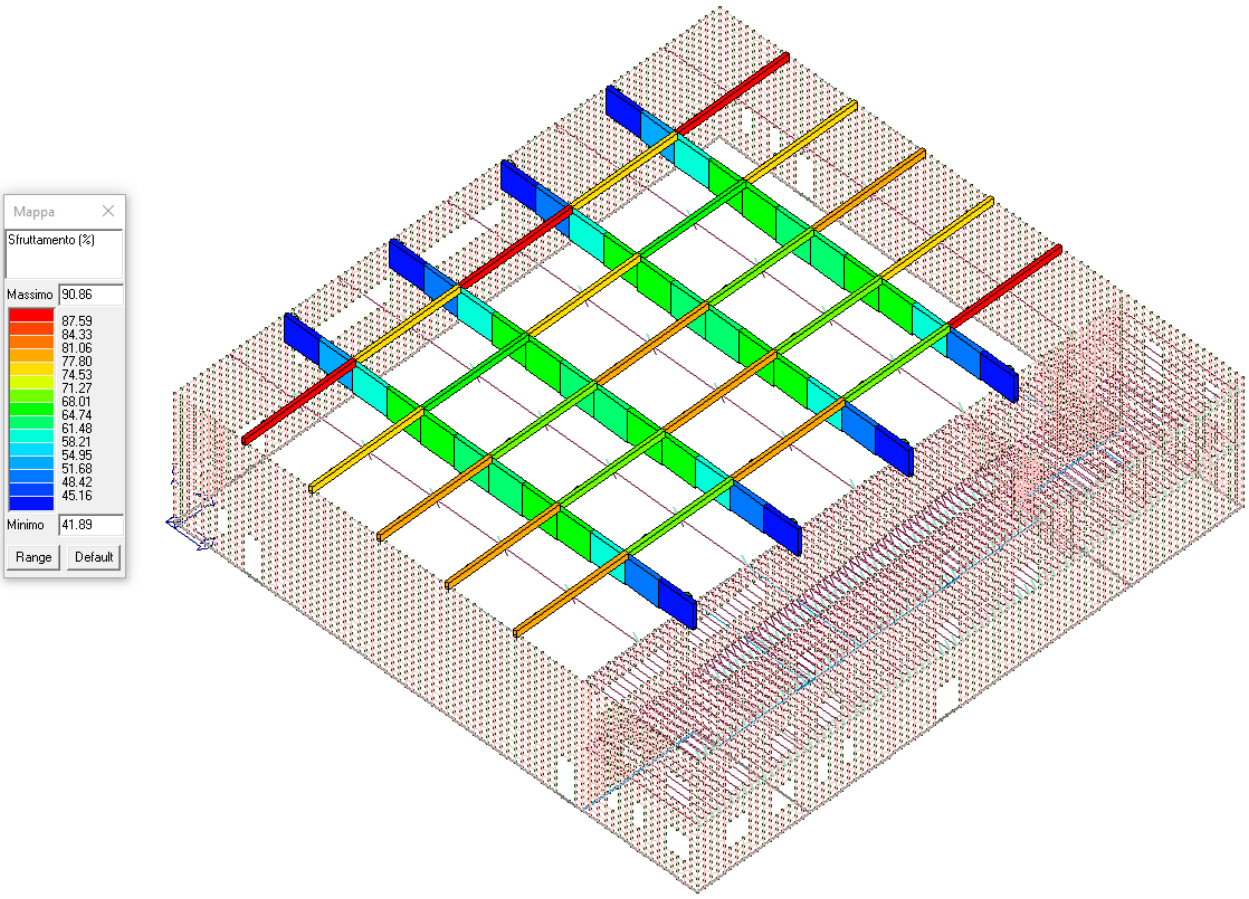
		207.5	0.3	9.43e-02	0.4	11,41,9	9.68e-02	0.9	0.8	8.29e-02	1.0	1.0	43,11
414 ok	T,s=4,m=58	0.0	0.5	0.2	0.3	9,36,9	0.2	0.9	0.8	0.2	1.0	1.0	32,9
		207.5	0.3	7.97e-02	0.4	9,36,9	9.45e-02	0.9	0.8	6.34e-02	1.0	1.0	16,9
415 ok	T,s=3,m=58	0.0	0.3	8.09e-02	0.4	9,28,9	0.1	0.9	0.8	7.72e-02	1.0	1.0	20,9
		207.5	2.53e-02	3.78e-04	0.4	17,16,9	2.49e-02	0.9	0.8	2.49e-02	1.0	1.0	16,16
416 ok	T,s=4,m=58	0.0	0.3	8.51e-02	0.4	11,39,9	9.21e-02	0.9	0.8	6.81e-02	1.0	1.0	43,9
		207.5	0.5	0.2	0.4	11,41,9	0.2	0.9	0.8	0.3	1.0	1.0	41,9
417 ok	T,s=7,m=58	0.0	0.7	0.2	2.83e-02	11,31,42	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.6	0.2	2.90e-02	11,31,42	0.2	0.9	0.8	0.4	1.0	1.0	31,9
418 ok	T,s=6,m=58	0.0	0.7	0.2	0.1	9,31,11	0.2	0.9	0.8	0.5	1.0	1.0	31,9
		207.5	0.6	0.2	0.1	11,31,11	0.2	0.9	0.8	0.3	1.0	1.0	31,9
419 ok	T,s=5,m=58	0.0	0.6	0.2	0.1	11,31,11	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.5	0.1	0.1	11,31,11	0.2	0.9	0.8	0.2	1.0	1.0	43,9
420 ok	T,s=5,m=58	0.0	0.5	0.1	0.1	11,31,11	0.1	0.9	0.8	0.2	1.0	1.0	39,9
		207.5	0.6	0.2	0.1	11,31,11	0.2	0.9	0.8	0.4	1.0	1.0	35,9
421 ok	T,s=6,m=58	0.0	0.6	0.2	0.1	11,31,11	0.2	0.9	0.8	0.3	1.0	1.0	35,9
		207.5	0.7	0.2	0.1	11,31,11	0.2	0.9	0.8	0.5	1.0	1.0	31,9
422 ok	T,s=7,m=58	0.0	0.6	0.2	2.11e-02	11,31,40	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.7	0.2	2.06e-02	11,31,40	0.2	0.9	0.8	0.4	1.0	1.0	31,9
423 ok	T,s=8,m=58	0.0	0.6	0.2	1.17e-02	11,31,11	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.6	0.2	8.90e-03	11,31,11	0.2	0.9	0.8	0.4	1.0	1.0	31,9
424 ok	T,s=8,m=58	0.0	0.6	0.2	1.51e-02	11,31,42	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.6	0.2	1.55e-02	11,31,42	0.2	0.9	0.8	0.4	1.0	1.0	31,9
425 ok	T,s=4,m=58	0.0	0.5	0.2	0.4	9,31,9	0.2	0.9	0.8	0.3	1.0	1.0	35,9
		207.5	0.3	8.29e-02	0.4	9,31,9	9.34e-02	0.9	0.8	6.60e-02	1.0	1.0	23,9
426 ok	T,s=3,m=58	0.0	0.3	8.79e-02	0.4	9,36,9	9.91e-02	0.9	0.8	8.04e-02	1.0	1.0	27,9
		207.5	2.34e-02	3.17e-04	0.4	30,27,9	2.28e-02	0.9	0.8	2.28e-02	1.0	1.0	27,27
427 ok	T,s=3,m=58	0.0	1.60e-02	1.64e-04	0.4	25,24,11	1.64e-02	0.9	0.8	1.64e-02	1.0	1.0	24,24
		207.5	9.64e-02	0.3	0.4	41,11,11	0.3	0.9	0.8	8.26e-02	1.0	1.0	9,9
428 ok	T,s=4,m=58	0.0	8.51e-02	0.3	0.4	41,9,11	0.3	0.9	0.8	6.80e-02	1.0	1.0	9,9
		207.5	0.2	0.5	0.4	41,9,11	0.5	0.9	0.8	0.3	1.0	1.0	9,9
429 ok	T,s=7,m=58	0.0	0.2	0.7	2.81e-02	45,9,39	0.7	0.9	0.8	0.4	1.0	1.0	9,9
		207.5	0.2	0.6	2.87e-02	21,11,39	0.6	0.9	0.8	0.4	1.0	1.0	9,9
430 ok	T,s=6,m=58	0.0	0.2	0.7	0.1	45,11,9	0.7	0.9	0.8	0.4	1.0	1.0	11,9
		207.5	0.1	0.5	0.1	26,11,9	0.5	0.9	0.8	0.3	1.0	1.0	11,9
431 ok	T,s=5,m=58	0.0	0.2	0.6	0.1	26,11,9	0.6	0.9	0.8	0.4	1.0	1.0	11,9
		207.5	0.1	0.5	0.1	45,11,9	0.5	0.9	0.8	0.2	1.0	1.0	9,9
432 ok	T,s=5,m=58	0.0	0.1	0.5	0.1	41,11,11	0.5	0.9	0.8	0.2	1.0	1.0	11,9
		207.5	0.2	0.6	0.1	41,11,11	0.6	0.9	0.8	0.4	1.0	1.0	9,9
433 ok	T,s=6,m=58	0.0	0.2	0.6	0.1	41,11,11	0.6	0.9	0.8	0.3	1.0	1.0	9,9
		207.5	0.2	0.7	9.63e-02	45,11,11	0.7	0.9	0.8	0.5	1.0	1.0	9,9
434 ok	T,s=7,m=58	0.0	0.2	0.6	2.10e-02	39,11,40	0.6	0.9	0.8	0.4	1.0	1.0	11,9
		207.5	0.2	0.7	2.05e-02	45,9,40	0.7	0.9	0.8	0.4	1.0	1.0	9,9
435 ok	T,s=8,m=58	0.0	0.2	0.6	1.03e-02	41,9,11	0.6	0.9	0.8	0.4	1.0	1.0	9,9
		207.5	0.2	0.6	8.05e-03	41,11,32	0.6	0.9	0.8	0.4	1.0	1.0	9,9
436 ok	T,s=8,m=58	0.0	0.2	0.6	1.46e-02	39,11,39	0.6	0.9	0.8	0.4	1.0	1.0	11,9
		207.5	0.2	0.6	1.51e-02	45,9,39	0.6	0.9	0.8	0.4	1.0	1.0	9,9
437 ok	T,s=4,m=58	0.0	0.1	0.5	0.3	45,11,11	0.5	0.9	0.8	0.2	1.0	1.0	11,9
		207.5	8.31e-02	0.3	0.4	30,11,11	0.3	0.9	0.8	6.37e-02	1.0	1.0	11,9
438 ok	T,s=3,m=58	0.0	0.1	0.3	0.4	37,11,11	0.3	0.9	0.8	7.74e-02	1.0	1.0	11,9
		207.5	2.66e-02	4.52e-04	0.4	25,24,11	2.72e-02	0.9	0.8	2.72e-02	1.0	1.0	24,24
439 ok	T,s=3,m=58	0.0	1.64e-02	1.68e-04	0.4	18,15,11	1.66e-02	0.9	0.8	1.66e-02	1.0	1.0	15,15
		207.5	0.3	9.18e-02	0.4	11,41,11	9.64e-02	0.9	0.8	8.24e-02	1.0	1.0	35,11
440 ok	T,s=4,m=58	0.0	0.3	8.41e-02	0.4	11,43,11	9.31e-02	0.9	0.8	6.78e-02	1.0	1.0	35,9
		207.5	0.5	0.2	0.4	11,41,11	0.2	0.9	0.8	0.3	1.0	1.0	41,9
441 ok	T,s=7,m=58	0.0	0.7	0.2	2.79e-02	11,31,42	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.6	0.2	2.86e-02	9,35,42	0.2	0.9	0.8	0.4	1.0	1.0	35,9
442 ok	T,s=6,m=58	0.0	0.7	0.2	0.1	11,31,9	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.5	0.2	0.1	11,31,9	0.2	0.9	0.8	0.3	1.0	1.0	31,9
443 ok	T,s=5,m=58	0.0	0.6	0.2	0.1	11,31,9	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.5	0.1	0.1	9,31,9	0.2	0.9	0.8	0.2	1.0	1.0	31,9
444 ok	T,s=5,m=58	0.0	0.5	0.1	0.1	11,39,11	0.2	0.9	0.8	0.2	1.0	1.0	31,9
		207.5	0.6	0.2	0.1	11,31,11	0.2	0.9	0.8	0.4	1.0	1.0	31,9
445 ok	T,s=6,m=58	0.0	0.6	0.2	0.1	11,31,11	0.2	0.9	0.8	0.3	1.0	1.0	31,9
		207.5	0.7	0.2	9.62e-02	11,35,11	0.2	0.9	0.8	0.5	1.0	1.0	35,9
446 ok	T,s=7,m=58	0.0	0.6	0.2	2.11e-02	11,31,42	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.7	0.2	2.06e-02	11,35,42	0.2	0.9	0.8	0.4	1.0	1.0	35,9
447 ok	T,s=8,m=58	0.0	0.6	0.2	1.02e-02	11,35,11	0.2	0.9	0.8	0.4	1.0	1.0	35,9
		207.5	0.6	0.2	8.17e-03	11,31,34	0.2	0.9	0.8	0.4	1.0	1.0	31,9
448 ok	T,s=8,m=58	0.0	0.6	0.2	1.45e-02	11,31,42	0.2	0.9	0.8	0.4	1.0	1.0	31,9
		207.5	0.6	0.2	1.49e-02	11,31,42	0.2	0.9	0.8	0.4	1.0	1.0	31,9
449 ok	T,s=4,m=58	0.0	0.5	0.2	0.3	11,31,11	0.2	0.9	0.8	0.2	1.0	1.0	31,9
		207.5	0.3	8.14e-02	0.4	11,31,11	0.1	0.9	0.8	6.35e-02	1.0	1.0	31,9
450 ok	T,s=3,m=58	0.0	0.3	8.06e-02	0.4	11,24,11	0.1	0.9	0.8	7.72e-02	1.0	1.0	15,9
		207.5	2.73e-02	4.68e-04	0.4	18,15,11	2.77e-02	0.9	0.8	2.77e-02	1.0	1.0	15,15
451 ok	T,s=3,m=58	0.0	1.46e-02	1.19e-04	0.4	17,16,11	1.40e-02	0.9	0.8	1.40e-02	1.0	1.0	16,16

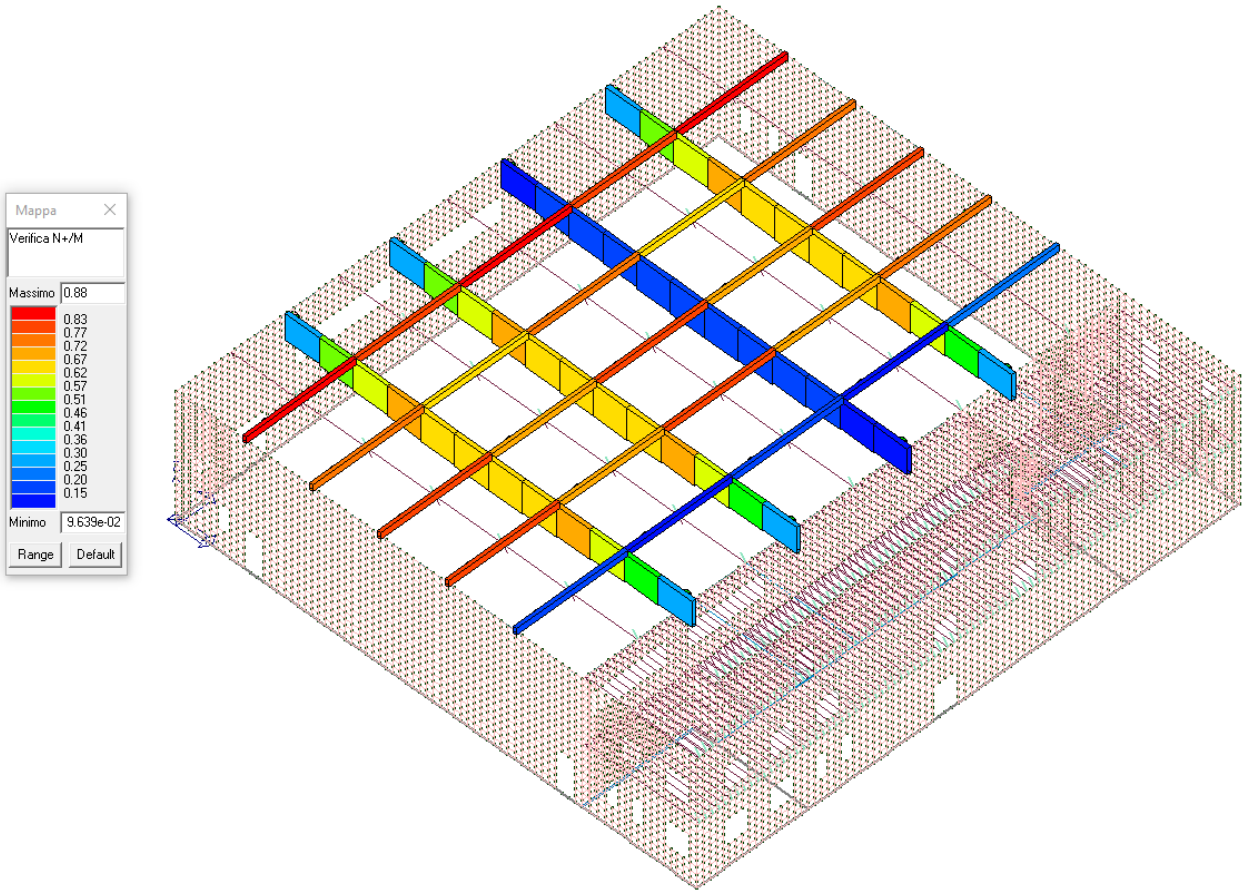
		207.5	0.3	9.40e-02	0.4	11,46,11	9.84e-02	0.9	0.8	8.24e-02	1.0	1.0	46,11
452 ok	T,s=4,m=58	0.0	0.3	8.46e-02	0.4	11,44,11	9.25e-02	0.9	0.8	6.77e-02	1.0	1.0	40,9
		207.5	0.5	0.2	0.4	11,46,11	0.2	0.9	0.8	0.3	1.0	1.0	38,9
453 ok	T,s=7,m=58	0.0	0.7	0.2	2.81e-02	11,36,41	0.2	0.9	0.8	0.4	1.0	1.0	36,9
		207.5	0.6	0.2	2.87e-02	11,36,41	0.2	0.9	0.8	0.4	1.0	1.0	36,9
454 ok	T,s=6,m=58	0.0	0.7	0.2	0.1	11,36,11	0.2	0.9	0.8	0.4	1.0	1.0	36,9
		207.5	0.5	0.2	0.1	11,36,11	0.2	0.9	0.8	0.3	1.0	1.0	32,9
455 ok	T,s=5,m=58	0.0	0.6	0.2	0.1	11,36,11	0.2	0.9	0.8	0.4	1.0	1.0	32,9
		207.5	0.5	0.1	0.1	11,36,11	0.2	0.9	0.8	0.2	1.0	1.0	32,9
456 ok	T,s=5,m=58	0.0	0.5	0.1	0.1	11,36,11	0.1	0.9	0.8	0.2	1.0	1.0	36,9
		207.5	0.6	0.2	0.1	11,36,11	0.2	0.9	0.8	0.4	1.0	1.0	36,9
457 ok	T,s=6,m=58	0.0	0.6	0.2	0.1	11,36,11	0.2	0.9	0.8	0.3	1.0	1.0	36,9
		207.5	0.7	0.2	9.96e-02	11,36,11	0.2	0.9	0.8	0.5	1.0	1.0	36,9
458 ok	T,s=7,m=58	0.0	0.6	0.2	2.14e-02	11,36,39	0.2	0.9	0.8	0.4	1.0	1.0	36,9
		207.5	0.7	0.2	2.09e-02	11,36,39	0.2	0.9	0.8	0.4	1.0	1.0	36,9
459 ok	T,s=8,m=58	0.0	0.6	0.2	1.17e-02	11,36,11	0.2	0.9	0.8	0.4	1.0	1.0	36,9
		207.5	0.6	0.2	8.87e-03	11,36,11	0.2	0.9	0.8	0.4	1.0	1.0	36,9
460 ok	T,s=9,m=58	0.0	3.38e-02	2.73e-02	0.3	32,33,11	0.2	4.37e-02	0.3	0.2	1.0	1.0	43,41
		641.0	3.35e-02	2.71e-02	0.3	32,33,11	0.2	4.37e-02	0.3	0.2	1.0	1.0	43,41
461 ok	T,s=9,m=58	0.0	2.65e-02	2.48e-02	0.3	37,36,11	2.49e-02	4.37e-02	0.3	1.79e-03	1.0	1.0	36,40
		681.0	2.65e-02	2.49e-02	0.3	37,36,11	2.50e-02	4.37e-02	0.3	1.79e-03	1.0	1.0	36,40
462 ok	T,s=9,m=58	0.0	3.37e-02	2.72e-02	0.3	35,38,11	0.2	4.37e-02	0.3	0.2	1.0	1.0	40,40
		641.0	3.42e-02	2.73e-02	0.3	35,38,11	0.2	4.37e-02	0.3	0.2	1.0	1.0	40,40
463 ok	T,s=9,m=58	0.0	4.98e-02	4.09e-02	0.3	41,16,11	0.4	4.37e-02	0.3	0.3	1.0	1.0	40,40
		681.0	4.63e-02	3.77e-02	0.3	41,16,11	0.4	4.37e-02	0.3	0.3	1.0	1.0	40,40
464 ok	T,s=9,m=58	0.0	4.34e-02	3.38e-02	0.3	42,31,11	0.3	4.37e-02	0.3	0.3	1.0	1.0	39,39
		681.0	4.73e-02	3.85e-02	0.3	42,31,11	0.3	4.37e-02	0.3	0.3	1.0	1.0	39,39
465 ok	T,s=9,m=58	0.0	8.88e-02	8.28e-02	0.2	40,41,11	0.2	4.37e-02	0.3	0.1	1.0	1.0	41,41
		641.0	8.78e-02	8.26e-02	0.2	40,41,11	0.2	4.37e-02	0.3	0.1	1.0	1.0	41,41
466 ok	T,s=9,m=58	0.0	7.68e-02	7.68e-02	0.3	43,46,11	8.02e-02	4.37e-02	0.3	2.58e-02	1.0	1.0	46,42
		681.0	7.70e-02	7.69e-02	0.3	43,46,11	8.03e-02	4.37e-02	0.3	2.59e-02	1.0	1.0	46,42
467 ok	T,s=9,m=58	0.0	9.15e-02	8.55e-02	0.2	43,46,11	0.2	4.37e-02	0.3	0.1	1.0	1.0	42,42
		641.0	9.27e-02	8.56e-02	0.2	43,46,11	0.2	4.37e-02	0.3	0.1	1.0	1.0	42,42
468 ok	T,s=9,m=58	0.0	0.1	9.72e-02	0.3	39,42,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	42,42
		681.0	0.1	8.41e-02	0.3	39,42,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	42,42
469 ok	T,s=9,m=58	0.0	0.1	8.04e-02	0.3	44,45,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	41,41
		681.0	0.1	9.31e-02	0.3	44,45,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	41,41
470 ok	T,s=9,m=58	0.0	0.2	0.1	0.3	40,41,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	41,41
		641.0	0.2	0.1	0.3	40,41,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	41,41
471 ok	T,s=9,m=58	0.0	0.1	0.1	0.4	40,41,11	0.1	4.37e-02	0.3	0.1	1.0	1.0	21,21
		681.0	0.1	0.1	0.4	40,41,11	0.1	4.37e-02	0.3	0.1	1.0	1.0	21,21
472 ok	T,s=9,m=58	0.0	0.1	0.1	0.3	43,46,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	42,42
		641.0	0.1	0.1	0.3	43,46,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	42,42
473 ok	T,s=9,m=58	0.0	0.2	0.2	0.4	39,42,11	0.4	4.37e-02	0.3	0.4	1.0	1.0	42,42
		681.0	0.2	0.1	0.4	39,42,11	0.4	4.37e-02	0.3	0.3	1.0	1.0	42,42
474 ok	T,s=9,m=58	0.0	0.2	0.1	0.4	44,45,11	0.5	4.37e-02	0.3	0.4	1.0	1.0	41,41
		681.0	0.2	0.2	0.4	44,45,11	0.5	4.37e-02	0.3	0.4	1.0	1.0	41,41
475 ok	T,s=9,m=58	0.0	0.1	0.1	0.3	42,39,11	0.2	4.37e-02	0.3	9.98e-02	1.0	1.0	45,33
		641.0	0.1	0.1	0.3	42,39,11	0.2	4.37e-02	0.3	9.98e-02	1.0	1.0	45,33
476 ok	T,s=9,m=58	0.0	0.1	9.78e-02	0.3	39,42,11	9.98e-02	4.37e-02	0.3	2.72e-02	1.0	1.0	42,34
		681.0	0.1	9.78e-02	0.3	39,42,11	9.98e-02	4.37e-02	0.3	2.72e-02	1.0	1.0	42,34
477 ok	T,s=9,m=58	0.0	0.1	0.1	0.3	45,44,11	0.1	4.37e-02	0.3	8.68e-02	1.0	1.0	42,42
		641.0	0.1	0.1	0.3	45,44,11	0.1	4.37e-02	0.3	8.69e-02	1.0	1.0	42,42
478 ok	T,s=9,m=58	0.0	0.1	0.1	0.3	41,40,9	0.2	4.37e-02	0.3	0.2	1.0	1.0	42,34
		681.0	0.1	0.1	0.3	41,40,9	0.2	4.37e-02	0.3	0.2	1.0	1.0	42,34
479 ok	T,s=9,m=58	0.0	0.1	0.1	0.3	42,39,9	0.2	4.37e-02	0.3	0.2	1.0	1.0	41,33
		681.0	0.1	0.1	0.3	42,39,9	0.2	4.37e-02	0.3	0.2	1.0	1.0	41,33
480 ok	T,s=9,m=58	0.0	0.1	0.1	0.2	42,39,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	39,39
		641.0	0.1	0.1	0.2	42,39,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	39,39
481 ok	T,s=9,m=58	0.0	0.1	0.1	0.3	42,39,11	0.1	4.37e-02	0.3	0.1	1.0	1.0	39,15
		681.0	0.1	0.1	0.3	42,39,11	0.1	4.37e-02	0.3	0.1	1.0	1.0	39,15
482 ok	T,s=9,m=58	0.0	0.1	0.1	0.2	41,44,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	40,40
		641.0	0.1	0.1	0.2	41,40,11	0.3	4.37e-02	0.3	0.2	1.0	1.0	40,40
483 ok	T,s=9,m=58	0.0	0.2	0.1	0.3	41,40,9	0.5	4.37e-02	0.3	0.4	1.0	1.0	40,40
		681.0	0.2	0.1	0.3	41,40,9	0.5	4.37e-02	0.3	0.4	1.0	1.0	40,40
484 ok	T,s=9,m=58	0.0	0.2	0.1	0.4	42,39,11	0.5	4.37e-02	0.3	0.4	1.0	1.0	39,39
		681.0	0.2	0.1	0.4	42,39,11	0.5	4.37e-02	0.3	0.4	1.0	1.0	39,39

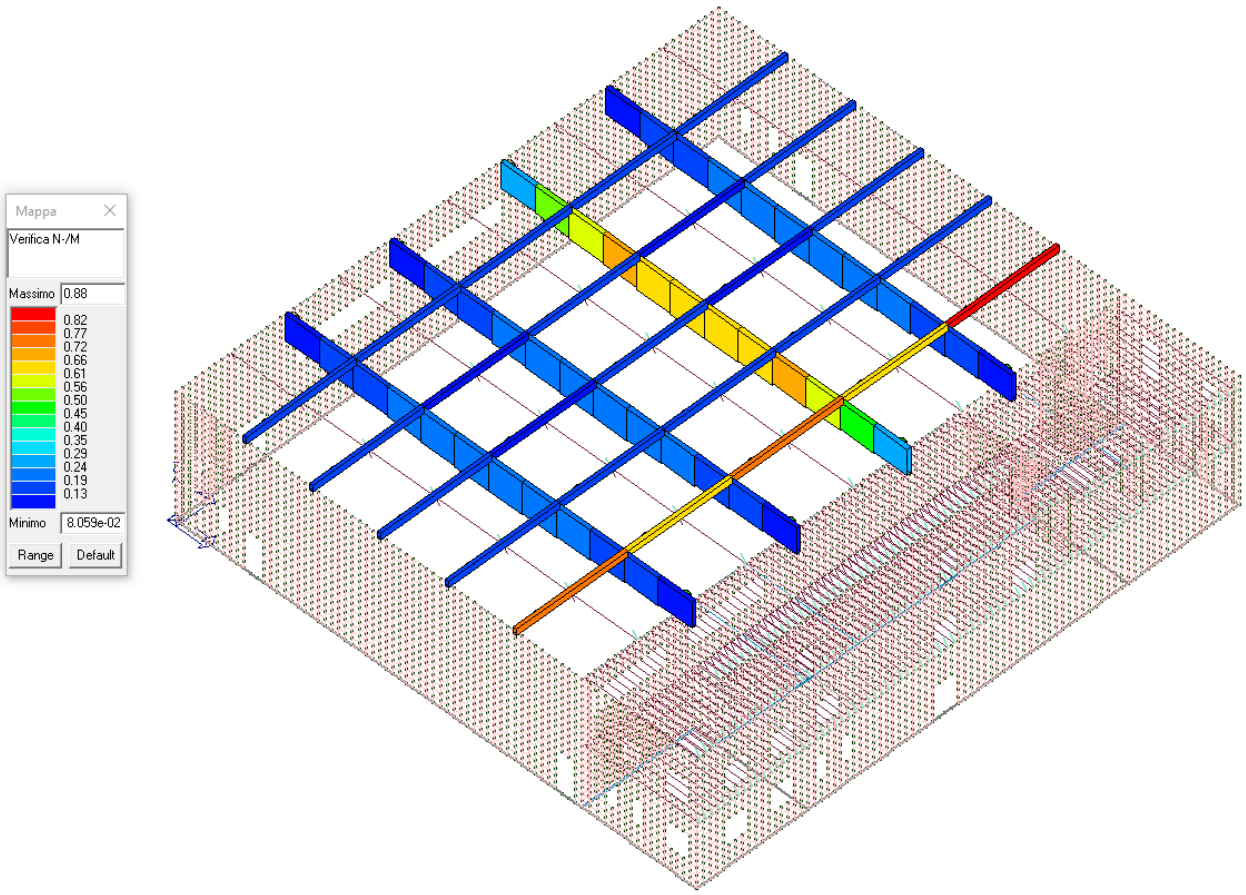
Elem.	Ver N+/M	Ver N-/M	Ver V/T	Ver N(s)	Kcy	Kcz	Ver M(s)	Kcrit(y)	Kcrit(z)
					0.04	0.25		1.00	1.00
	0.68	0.67	0.45	0.67			0.46		

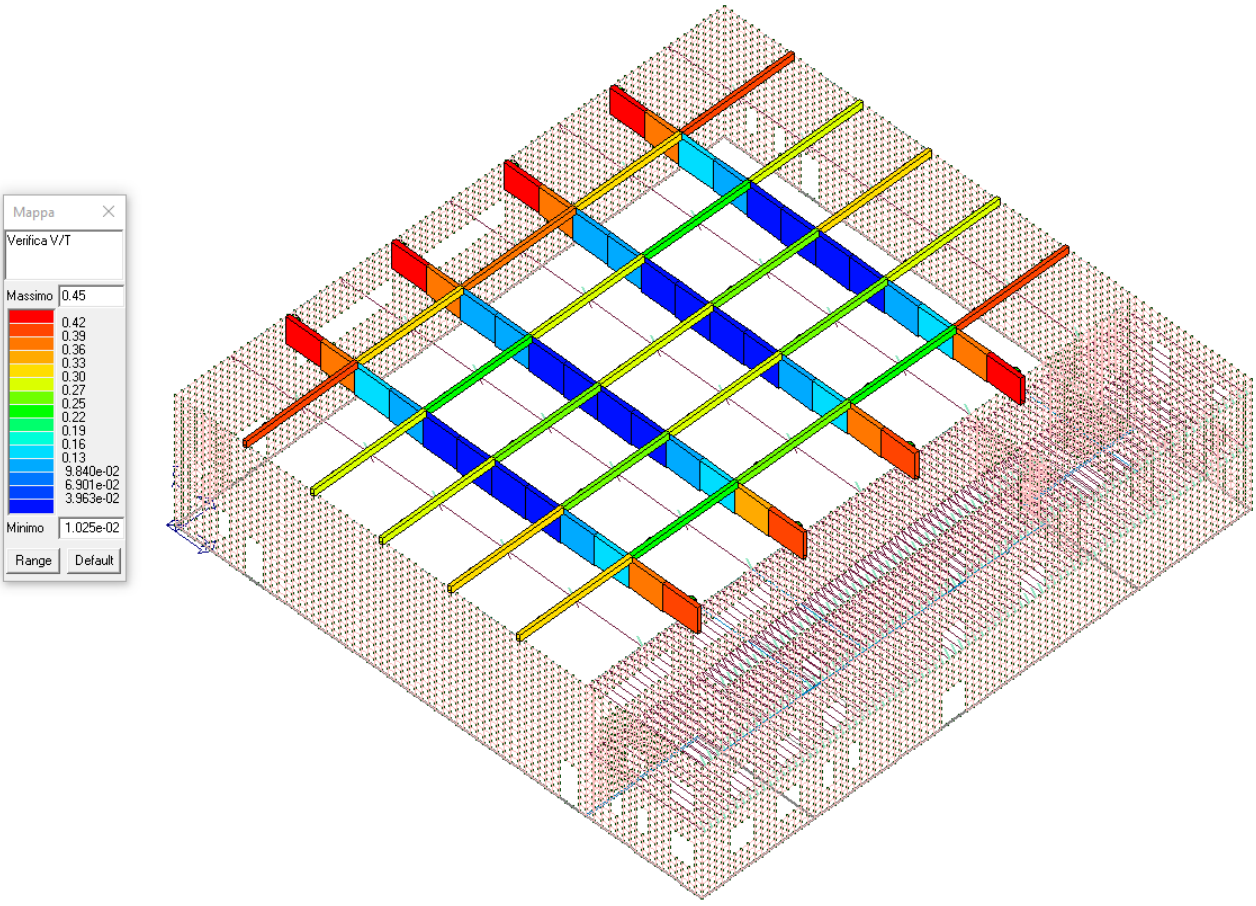
Elem.	w,net R	w,net F	w,net P	Rif. cmb	Kdef	w,net Ri	w,net Fi	w,net Pi	Rif. cmb
412	0.6	0.3	0.3	83,88,91	0.6	1.0	0.7	0.4	83,88,91
413	6.2	3.4	2.7	85,90,92	0.6	10.0	7.1	4.3	85,90,92

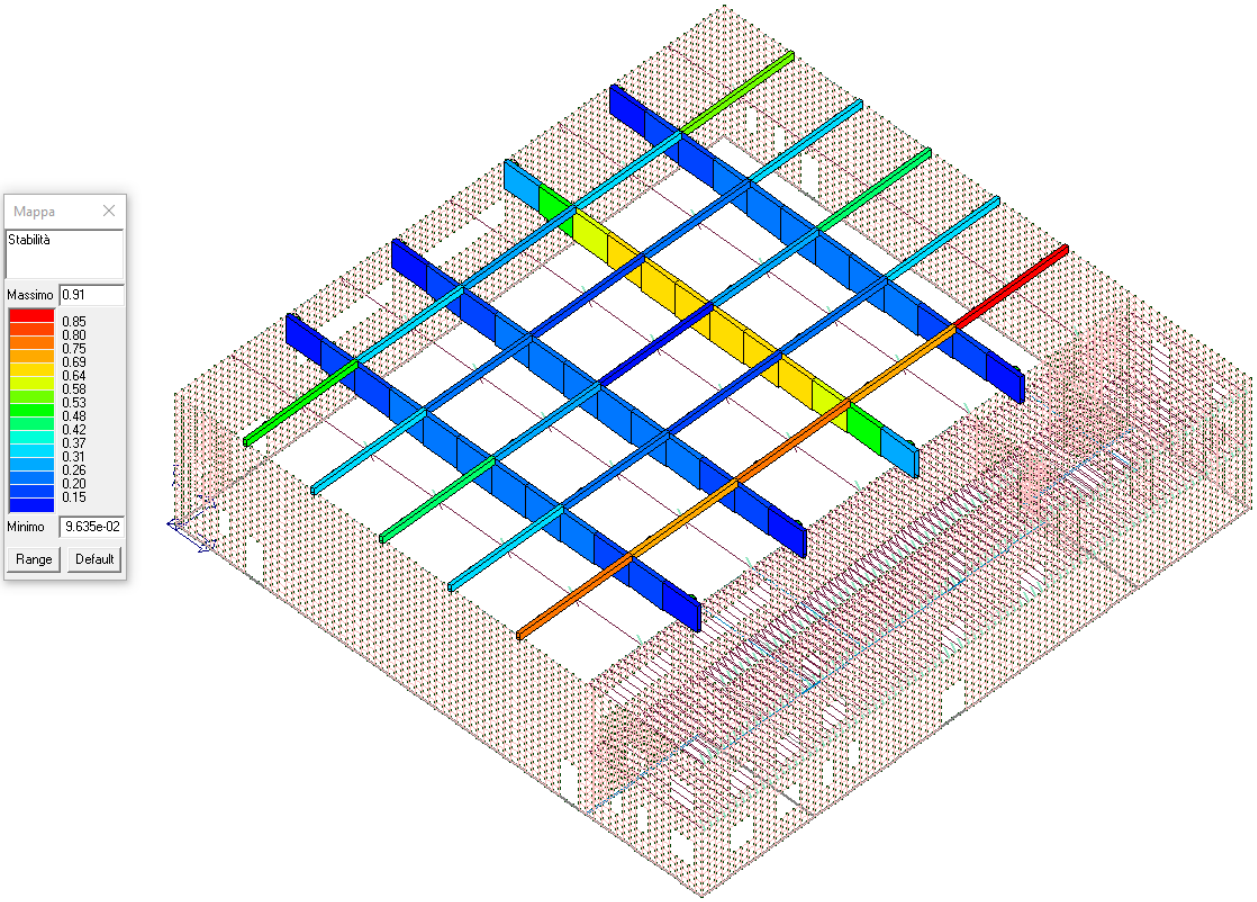
414	5.5	3.0	2.3	83,88,91	0.6	8.8	6.3	3.7	83,88,91
415	6.1	3.3	2.6	83,88,91	0.6	9.7	7.0	4.2	83,88,91
416	5.6	3.1	2.4	85,90,92	0.6	9.0	6.4	3.9	85,90,92
417	1.8	1.0	0.8	83,88,91	0.6	2.9	2.0	1.2	83,88,91
418	3.2	1.7	1.3	83,88,91	0.6	5.1	3.6	2.2	83,88,91
419	4.3	2.3	1.8	83,88,91	0.6	6.9	4.9	3.0	83,88,91
420	4.4	2.4	1.9	85,90,92	0.6	7.0	5.0	3.0	85,90,92
421	3.2	1.8	1.4	85,90,92	0.6	5.2	3.7	2.2	85,90,92
422	1.8	1.0	0.8	85,90,92	0.6	2.9	2.1	1.3	85,90,92
423	0.7	0.4	0.3	85,90,92	0.6	1.1	0.8	0.5	85,90,92
424	0.6	0.3	0.3	83,88,91	0.6	1.0	0.7	0.4	83,88,91
425	5.5	3.0	2.4	83,88,91	0.6	8.9	6.3	3.8	83,88,91
426	6.2	3.3	2.6	83,88,91	0.6	9.8	7.0	4.2	83,88,91
427	6.2	3.4	2.7	85,90,92	0.6	10.0	7.2	4.3	85,90,92
428	5.6	3.1	2.4	85,90,92	0.6	9.0	6.5	3.9	85,90,92
429	1.8	0.9	0.7	83,88,91	0.6	2.8	2.0	1.2	83,88,91
430	3.2	1.7	1.3	83,88,91	0.6	5.1	3.6	2.1	83,88,91
431	4.3	2.3	1.8	83,88,91	0.6	6.9	4.9	2.9	83,88,91
432	4.4	2.4	1.9	85,90,92	0.6	7.0	5.0	3.1	85,90,92
433	3.2	1.8	1.4	85,90,92	0.6	5.2	3.7	2.3	85,90,92
434	1.8	1.0	0.8	85,90,92	0.6	2.9	2.1	1.3	85,90,92
435	0.7	0.4	0.3	85,90,92	0.6	1.1	0.8	0.5	85,90,92
436	0.6	0.3	0.2	83,88,91	0.6	1.0	0.7	0.4	83,88,91
437	5.5	2.9	2.3	83,88,91	0.6	8.8	6.2	3.7	83,88,91
438	6.1	3.3	2.6	83,88,91	0.6	9.7	6.9	4.1	83,88,91
439	6.3	3.4	2.7	85,90,92	0.6	10.0	7.2	4.4	85,90,92
440	5.6	3.1	2.4	85,90,92	0.6	9.0	6.5	3.9	85,90,92
441	1.7	0.9	0.7	83,88,91	0.6	2.8	2.0	1.2	83,88,91
442	3.1	1.7	1.3	83,88,91	0.6	5.0	3.6	2.1	83,88,91
443	4.3	2.3	1.8	83,88,91	0.6	6.8	4.9	2.9	83,88,91
444	4.4	2.4	1.9	85,90,92	0.6	7.0	5.1	3.1	85,90,92
445	3.3	1.8	1.4	85,90,92	0.6	5.2	3.7	2.3	85,90,92
446	1.9	1.0	0.8	85,90,92	0.6	3.0	2.2	1.3	85,90,92
447	0.7	0.4	0.3	85,90,92	0.6	1.1	0.8	0.5	85,90,92
448	0.6	0.3	0.2	83,88,91	0.6	1.0	0.7	0.4	83,88,91
449	5.5	2.9	2.3	83,88,91	0.6	8.7	6.2	3.7	83,88,91
450	6.1	3.3	2.6	83,88,91	0.6	9.7	6.9	4.1	83,88,91
451	6.2	3.4	2.7	85,90,92	0.6	9.9	7.1	4.3	85,90,92
452	5.6	3.0	2.4	85,90,92	0.6	8.9	6.4	3.9	85,90,92
453	1.8	1.0	0.8	83,88,91	0.6	2.9	2.0	1.2	83,88,91
454	3.2	1.7	1.3	83,88,91	0.6	5.1	3.6	2.2	83,88,91
455	4.3	2.3	1.8	83,88,91	0.6	6.9	4.9	2.9	83,88,91
456	4.3	2.4	1.9	85,90,92	0.6	7.0	5.0	3.0	85,90,92
457	3.2	1.8	1.4	85,90,92	0.6	5.1	3.7	2.2	85,90,92
458	1.8	1.0	0.8	85,90,92	0.6	2.9	2.1	1.3	85,90,92
459	0.7	0.4	0.3	85,90,92	0.6	1.1	0.8	0.5	85,90,92
460	2.0	0.9	0.7	83,88,91	0.6	3.3	2.2	1.1	83,88,91
461	2.4	1.1	0.8	83,88,91	0.6	3.9	2.6	1.3	83,88,91
462	2.0	0.9	0.7	83,88,91	0.6	3.3	2.2	1.1	83,88,91
463	6.7	3.6	2.9	85,90,92	0.6	10.7	7.6	4.6	85,90,92
464	6.7	3.6	2.9	85,90,92	0.6	10.7	7.7	4.6	85,90,92
465	2.0	0.9	0.6	83,88,91	0.6	3.1	2.1	1.0	83,88,91
466	2.3	1.1	0.8	83,88,91	0.6	3.7	2.5	1.2	83,88,91
467	2.0	0.9	0.6	83,88,91	0.6	3.1	2.1	1.0	83,88,91
468	5.9	3.2	2.6	85,90,92	0.6	9.5	6.8	4.1	85,90,92
469	5.9	3.2	2.6	85,90,92	0.6	9.5	6.8	4.1	85,90,92
470	2.3	1.0	0.7	83,88,91	0.6	3.6	2.4	1.2	83,88,91
471	2.7	1.2	0.9	83,88,91	0.6	4.3	2.9	1.4	83,88,91
472	2.3	1.0	0.7	83,88,91	0.6	3.6	2.4	1.2	83,88,91
473	3.6	2.0	1.6	85,90,92	0.6	5.8	4.1	2.5	85,90,92
474	3.6	2.0	1.6	85,90,92	0.6	5.8	4.1	2.5	85,90,92
475	2.0	0.9	0.7	83,88,91	0.6	3.3	2.2	1.1	83,88,91
476	2.4	1.1	0.8	83,88,91	0.6	3.9	2.6	1.3	83,88,91
477	2.0	0.9	0.7	83,88,91	0.6	3.3	2.2	1.1	83,88,91
478	5.9	3.2	2.6	85,90,92	0.6	9.5	6.8	4.1	85,90,92
479	5.9	3.2	2.6	85,90,92	0.6	9.5	6.8	4.1	85,90,92
480	1.9	0.9	0.6	83,88,91	0.6	3.1	2.1	1.0	83,88,91
481	2.3	1.1	0.8	83,88,91	0.6	3.7	2.5	1.2	83,88,91
482	1.9	0.9	0.6	83,88,91	0.6	3.1	2.1	1.0	83,88,91
483	3.6	2.0	1.6	85,90,92	0.6	5.8	4.2	2.5	85,90,92
484	3.6	2.0	1.6	85,90,92	0.6	5.8	4.2	2.5	85,90,92
Elem.	**w,net R**	**w,net F**	**w,net P**			**w,net Ri**	**w,net Fi**	**w,net Pi**	
	6.69	3.64	2.88			10.70	7.66	4.61	

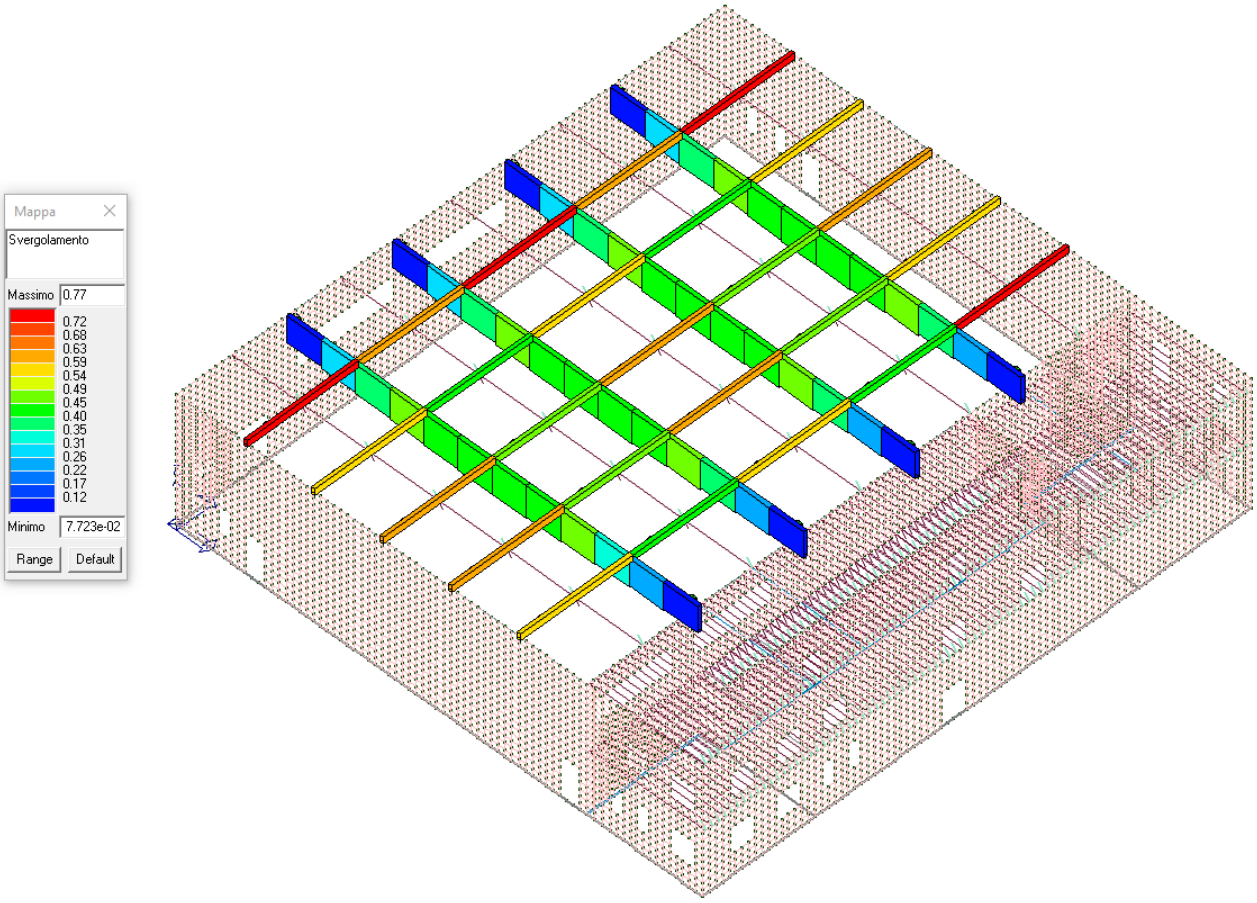

Mappa
Sfruttamento (%)
Massimo 90.86
87.59
84.33
81.06
77.80
74.53
71.27
68.01
64.74
61.48
58.21
54.95
51.68
48.42
45.16
Minimo 41.89
Range
Default


Mappa
Verifica N+/M
Massimo 0.88
0.83
0.77
0.72
0.67
0.62
0.57
0.51
0.46
0.41
0.36
0.30
0.25
0.20
0.15
Minimo 9.639e-02
Range
Default

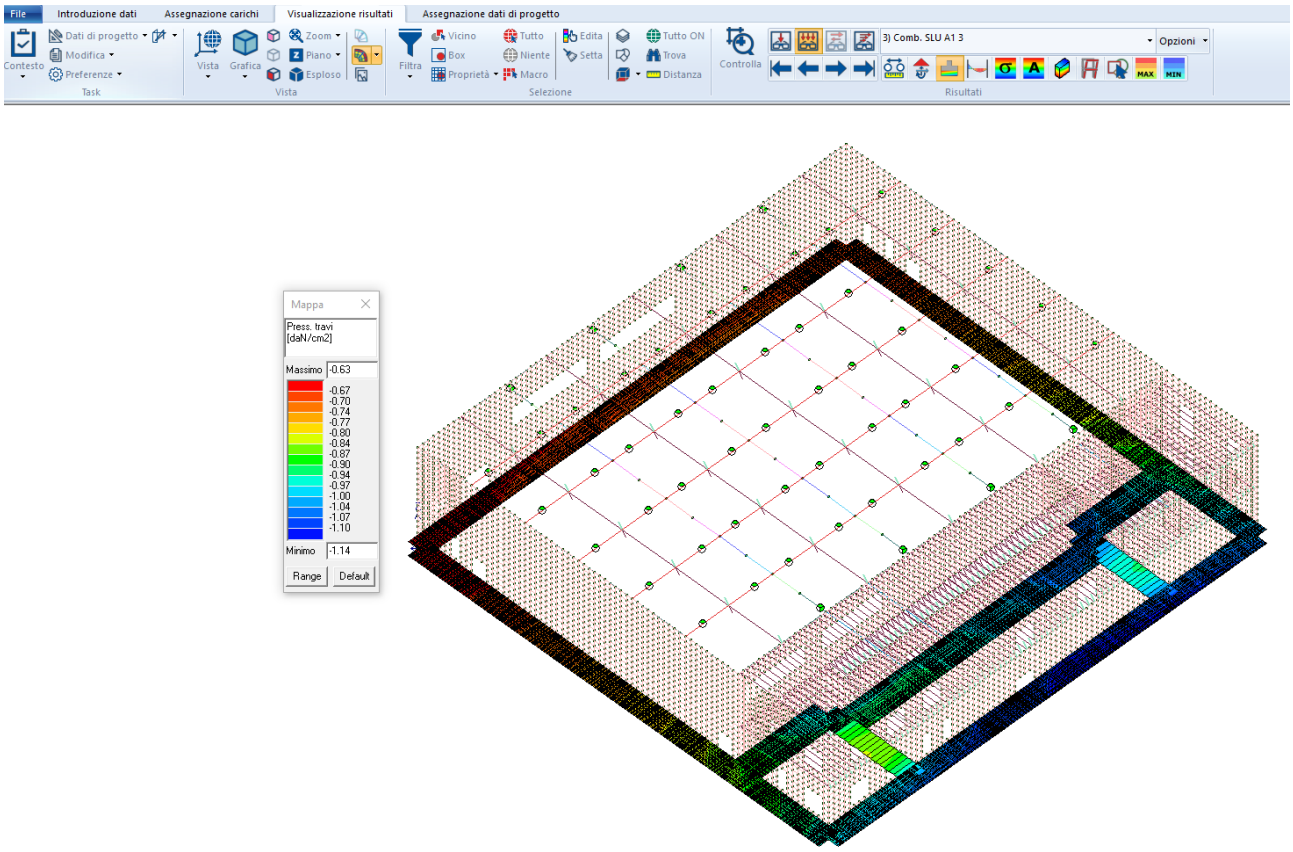

Mappa
Verifica N-/M
Massimo 0.88
0.82
0.77
0.72
0.66
0.61
0.56
0.50
0.45
0.40
0.35
0.29
0.24
0.19
0.13
Minimo 8.059e-02
Range
Default

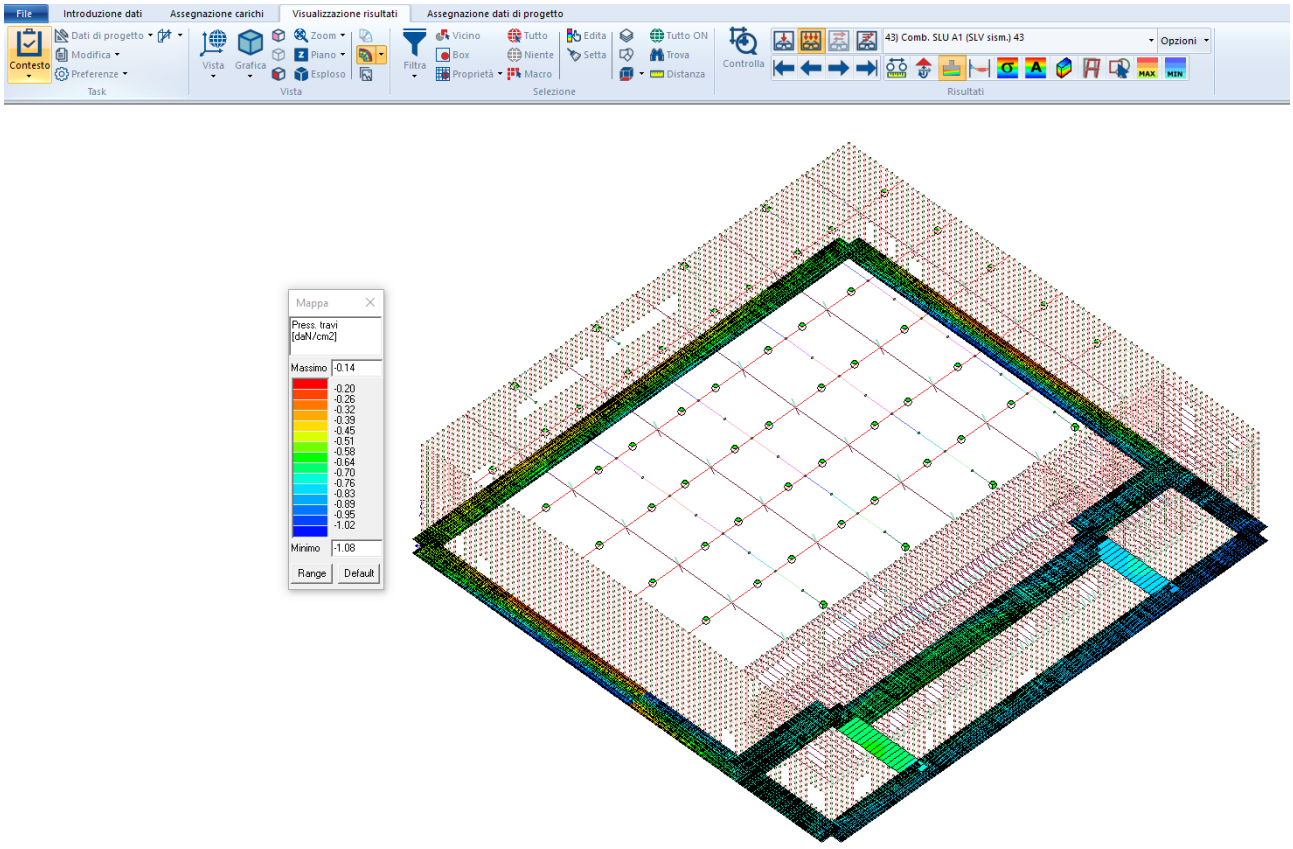

Mappa
Verifica V/T
Massimo 0.45
0.42
0.39
0.36
0.33
0.30
0.27
0.25
0.22
0.19
0.16
0.13
9.840e-02
6.901e-02
3.963e-02
Minimo 1.025e-02
Range
Default


Mappa
Stabilità
Massimo 0.91
0.85
0.80
0.75
0.69
0.64
0.58
0.53
0.48
0.42
0.37
0.31
0.26
0.20
0.15
Minimo 9.635e-02
Range
Default


Mappa
Svergolamento
Massimo 0.77
0.72
0.68
0.63
0.59
0.54
0.49
0.45
0.40
0.35
0.31
0.26
0.22
0.17
0.12
Minimo 7.723e-02
Range
Default

RELAZIONE SULLE FONDAZIONI





La tensione massima sul terreno, 0.114 Mpa è comunque inferiore a quella di riferimento 0.25 MPa

8 VALIDAZIONE DEI RISULTATI

Il programma di calcolo utilizzato PRO-SAP (*licenza dsi 2278*) è idoneo a riprodurre nel modello matematico il comportamento della struttura e gli elementi finiti disponibili e utilizzati sono rappresentativi della realtà costruttiva. Le funzioni di controllo disponibili, innanzitutto quelle grafiche, che consentono di verificare la riproduzione della realtà costruttiva ed accertare la corrispondenza del modello con la geometria strutturale e con le condizioni di carico ipotizzate. Si evidenzia che il modello viene generato direttamente dal disegno architettonico riproducendone così fedelmente le proporzioni geometriche. In ogni caso sono stati effettuati alcuni controlli dimensionali con gli strumenti software a disposizione dell'utente. Tutte le proprietà di rilevanza strutturale (materiali, sezioni, carichi, sconnessioni, etc.) sono state controllate attraverso le funzioni di indagine specificatamente previste.

Sono state sfruttate le funzioni di autodiagnostica presenti nel software che hanno accertato che non sussistono difetti formali di impostazione.

E' stato accertato che le risultanti delle azioni verticali soni in equilibrio con i carichi applicati.

Sono state controllate le azioni taglianti di piano ed accertata la loro congruenza con quella ricavabile da semplici ed agevoli elaborazioni. Le sollecitazioni prodotte da alcune combinazioni di carico di prova hanno prodotto valori prossimi a quelli ricavabili adottando consolidate formulazioni ricavate dalla Scienza delle Costruzioni. Anche le deformazioni risultano prossime ai valori attesi. Il dimensionamento e le verifiche di sicurezza hanno determinato risultati che sono in linea con casi di comprovata validità, confortati anche dalla propria esperienza.