



COMUNE DI GENONI



PROV. DI ORISTANO

**REALIZZAZIONE DI UN MERCATO COPERTO
FINALIZZATO ALLA PROMOZIONE E COMMERCIALIZZAZIONE
DELLE PRODUZIONI LOCALI DI ECCELLENZA**

**ALL.12 RELAZIONE SPECIALISTICA
RELAZIONE DI CALCOLO STRUTTURALE**

PROGETTO ESECUTIVO

IL COMMITTENTE:

Comune di Genoni

I PROGETTISTI:

Arch. Stefano Soi
Ing. Francesco Anedda

R.T.P STEFANO SOI ARCHITETTO & ASSOCIATI

08030 NURAGUS Via Cucchesi, 1 Tel. 0782 818262

studioarchitettosoi@alice.it

RELAZIONE DI CALCOLO STRUTTURALE	3
Premessa	3
Descrizione generale dell'opera	3
Descrizione generale dell'opera	4
Parametri della struttura	4
Quadro normativo di riferimento adottato.....	4
Progetto-verifica degli elementi	5
Azione sismica.....	5
Azioni di progetto sulla costruzione	5
Modello numerico	7
Tipo di analisi strutturale.....	7
Informazioni sul codice di calcolo	7
Modellazione della geometria e proprietà meccaniche:	8
Tipo di vincoli:.....	9
Modellazione delle azioni.....	9
Combinazioni e/o percorsi di carico.....	9
Principali risultati	10
Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.	11
Verifiche agli stati limite ultimi	11
Verifiche agli stati limite di esercizio	11
NORMATIVA DI RIFERIMENTO	12
MATERIALI E COPRIFERRI PER STRUTTURE IN CA.....	13
DURABILITA'	14
CARATTERISTICHE MATERIALI UTILIZZATI.....	16
LEGENDA TABELLA DATI MATERIALI	16
MODELLAZIONE DELLE SEZIONI	23
LEGENDA TABELLA DATI SEZIONI.....	23
MODELLAZIONE STRUTTURA: NODI	25
LEGENDA TABELLA DATI NODI.....	25
TABELLA DATI NODI	25
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE.....	27
TABELLA DATI TRAVI	27
MODELLAZIONE STRUTTURA: ELEMENTI SHELL.....	34

LEGENDA TABELLA DATI SHELL.....	34
MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO.....	37
LEGENDA TABELLA DATI SOLAI.....	37
MODELLAZIONE DELLE AZIONI.....	39
LEGENDA TABELLA DATI AZIONI.....	39
SCHEMATIZZAZIONE DEI CASI DI CARICO.....	42
LEGENDA TABELLA CASI DI CARICO.....	42
DEFINIZIONE DELLE COMBINAZIONI.....	43
LEGENDA TABELLA COMBINAZIONI DI CARICO.....	43
AZIONE SISMICA.....	45
VALUTAZIONE DELL' AZIONE SISMICA.....	45
RISULTATI ANALISI SISMICHE.....	45
LEGENDA TABELLA ANALISI SISMICHE.....	45
RISULTATI OPERE DI FONDAZIONE.....	52
LEGENDA RISULTATI OPERE DI FONDAZIONE.....	52
RISULTATI ELEMENTI TIPO TRAVE.....	62
LEGENDA RISULTATI ELEMENTI TIPO TRAVE.....	62
RISULTATI ELEMENTI TIPO SHELL.....	186
VERIFICHE ELEMENTI TRAVE C.A.....	187
LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE C.A.....	187
STATI LIMITE D' ESERCIZIO.....	198
LEGENDA TABELLA STATI LIMITE D' ESERCIZIO.....	198
ALLEGATO 1: VERIFICA DELLA SCALA.....	205
Geometria.....	205
Materiali.....	205
Condizioni ambientali.....	205
Analisi dei carichi.....	205
Schema statico.....	205
Schemi di carico.....	205
Calcolo delle sollecitazioni.....	205
Verifiche.....	205

RELAZIONE DI CALCOLO STRUTTURALE

Premessa

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 14/01/08, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.

Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.

La presente relazione è relativa al calcolo delle strutture portanti in c.a. inerenti il progetto "Realizzazione di un mercato coperto finalizzato alla promozione e commercializzazione delle produzioni locali di eccellenza". Il mercato verrà realizzato in corrispondenza della piazza Primo Maggio con accesso principale dalla via Roma a Genoni (OR).

L'opera verrà realizzata previa demolizione dell'edificio esistente e scavo di sbancamento. Il mercato risulta seminterrato e il solaio di copertura sarà praticabile, il piano di calpestio sarà destinato a piazza pubblica.

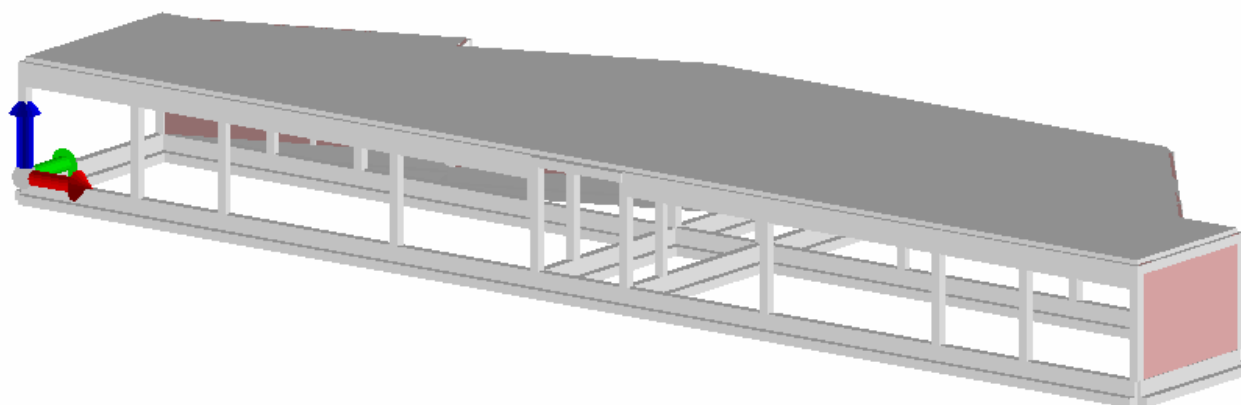
Per i dettagli si rimanda agli elaborati grafici a corredo del progetto.

Descrizione generale dell'opera

La struttura portante risulta costituita da:

- fondazioni continue in c.a. nastriformi del tipo a trave rovescia;
- pilastri in c.a.;
- travi in c.a. del tipo ribassato e a spessore;
- solaio alveolare in precompresso;
- opere di completamento quali scale e muri in c.a.

A tergo dell'opera al fine di contenere la spinta delle terre, sia in fase di realizzazione che di esercizio, verrà realizzata una berlinese di micropali in acciaio.



Descrizione generale dell'opera	
Fabbricato ad uso	Mercato civico
Ubicazione	Comune di Genoni (OR) (Regione SARDEGNA)
Numero di piani	Fuori terra: 0
	Interrati: 1
	Le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di circa 2180x650 cm
Scale	Verrà realizzata una scala di collegamento fra il livello stradale e quello di copertura del mercato
Numero vani ascensore	Non è prevista la realizzazione di un vano ascensore. Il collegamento tra i livelli verrà realizzato tramite servo scala motorizzato.
Tipo di fondazione	Continue a travi rovesce

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
II	50.0	1.0	50.0

Quadro normativo di riferimento adottato

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito.

Nel capitolo “normativa di riferimento” è comunque presente l’elenco completo delle normative disponibili.

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 14-01-2008
Progetto acciaio	D.M. 14-01-2008
Progetto muratura	D.M. 14-01-2008
Azione sismica	
Norma applicata per l’ azione sismica	D.M. 14-01-2008

Azioni di progetto sulla costruzione

Nei capitoli “modellazione delle azioni” e “schematizzazione dei casi di carico” sono indicate le azioni sulla costruzioni.

Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame **sono risultate effettivamente esaustive per la progettazione-verifica.**

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L’analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L’analisi strutturale è condotta con il metodo dell’analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L’analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell’ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$\mathbf{K} * \mathbf{u} = \mathbf{F}$ dove \mathbf{K} = matrice di rigidezza

\mathbf{u} = vettore spostamenti nodali

\mathbf{F} = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

- Elemento tipo **TRUSS** (biella-D2)
- Elemento tipo **BEAM** (trave-D2)
- Elemento tipo **MEMBRANE** (membrana-D3)
- Elemento tipo **PLATE** (piastra-guscio-D3)
- Elemento tipo **BOUNDARY** (molla)
- Elemento tipo **STIFFNESS** (matrice di rigidità)
- Elemento tipo **BRICK** (elemento solido)
- Elemento tipo **SOLAIO** (macro elemento composto da più membrane)

Modello numerico

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 delle NTC-08, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
Statica lineare	SI
Statica non lineare	NO
Sismica statica lineare	SI
Sismica dinamica lineare	NO
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	ENTRY (build 2015-03-169)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara

Un attento esame preliminare della documentazione a corredo del software **ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico**. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

Affidabilità dei codici utilizzati

2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.

E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: <http://www.2si.it/Software/Affidabilità.htm>

Modellazione della geometria e proprietà meccaniche:

nodi	131
elementi D2 (per aste, travi, pilastri...)	175
elementi D3 (per pareti, platee, gusci...)	44
elementi solaio	8
elementi solidi	0

Dimensione del modello strutturale [cm]:

X min =	1.67
Xmax =	4273.02
Ymin =	0.00
Ymax =	1199.24
Zmin =	-0.03
Zmax =	362.97

Strutture verticali:

Elementi di tipo asta	NO
-----------------------	----

Pilastrini	SI
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la propriet� piano rigido	SI
Solai senza la propriet� piano rigido	SI
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	SI
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

Modellazione delle azioni

Si veda il capitolo **“Schematizzazione dei casi di carico”** per le informazioni necessarie alla comprensione ed alla ricostruzione delle azioni applicate al modello numerico, coerentemente con quanto indicato nella parte **“2.6. Azioni di progetto sulla costruzione”**.

Combinazioni e/o percorsi di carico

Si veda il capitolo **“Definizione delle combinazioni”** in cui sono indicate le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti.

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati
<p>I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.</p> <p>2.8.1. Risultati dell'analisi modale</p> <p>Viene riportato il tipo di analisi modale condotta, restituiti i risultati della stessa e valutate le informazioni desumibili in merito al comportamento della struttura.</p> <p>2.8.2. Deformate e sollecitazioni per condizioni di carico</p> <p>Vengono riportati i principali risultati atti a descrivere il comportamento della struttura, in termini di stati di sollecitazione e di deformazione generalizzata, distinti per condizione elementare di carico o per</p>

combinazioni omogenee delle stesse.

2.8.3. Inviluppo delle sollecitazioni maggiormente significative. L'analisi e la restituzione degli inviluppi (nelle combinazioni considerate agli SLU e agli SLE) delle caratteristiche di sollecitazione devono essere finalizzate alla valutazione dello stato di sollecitazione nei diversi elementi della struttura.

2.8.4. Reazioni vincolari

Vengono riportate le reazioni dei vincoli nelle singole condizioni di carico e/o nelle combinazioni considerate.

Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.

Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni abnormi. Si può pertanto asserire che l'elaborazione sia corretta e completa. I risultati delle elaborazioni sono stati sottoposti a controlli che ne comprovano l'attendibilità. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali e adottati, anche in fase di primo proporzionamento della struttura. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni.

Sono stati eseguiti dei controlli quali verifiche di equilibrio tra reazioni vincolari e carichi applicati, comparazioni tra i risultati delle analisi e quelli di valutazioni semplificate, che hanno denotato la validità dei risultati ottenuti

Verifiche agli stati limite ultimi

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

Verifiche agli stati limite di esercizio

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 14 Gennaio 2008 e allegate "Norme tecniche per le costruzioni".
 2. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
 3. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
 4. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
 5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
 6. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
 7. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
 8. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
 9. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
 10. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
 11. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
 12. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
 13. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
 14. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
 15. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
 16. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
 17. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
 18. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
 19. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
 20. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
 21. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
 22. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
 23. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
 24. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
 25. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
 26. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici.
 27. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
 28. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
 29. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
 30. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
 31. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
 32. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
- UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

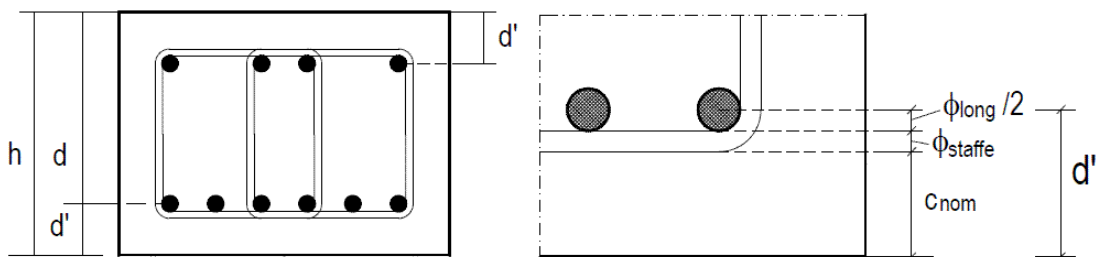
NOTA sul capitolo "normativa di riferimento": riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO". Laddove nei capitoli successivi vengano richiamate norme antecedenti al DM 14.01.08 è dovuto o a progettazione simulata di edificio esistente o ad applicazione del punto 2.7 del DM 14.01.08

MATERIALI E COPRIFERRI PER STRUTTURE IN CA

Classe di esposizione ambientale	Copriferro $c_{min,dur}$ [mm]							
	15	25	30	35	40	45	50	55
XC1	C25/30, 0.60, 300							
XC2	C25/30, 0.60, 300							
XC3	C28/35, 0.55, 320							
XC4	C32/40, 0.50, 340							
XD1	C28/35, 0.55, 320							
XD2	C35/45, 0.45, 360							
XD3	C35/45, 0.45, 360							
XS1	C28/35, 0.55, 320							
XS2	C35/45, 0.45, 360							
XS3	C35/45, 0.45, 360							
XF1	C28/35, 0.50, 320							
XF2 – XF3	C25/30, 0.50, 340							
XF4	C28/35, 0.45, 360							
XA1	C28/35, 0.55, 320							
XA2	C32/40, 0.50, 340							
XA3	C35/45, 0.45, 360							

$$c_{nom} = \max(c_{min,b}, c_{min,dur}) + 10 \text{ (mm)} \geq 20 \text{ mm}$$

$c_{min,b} = \phi \sqrt{n_b}$ n_b numero di barre di un eventuale gruppo di barre; per barra singola $n_b = 1$.



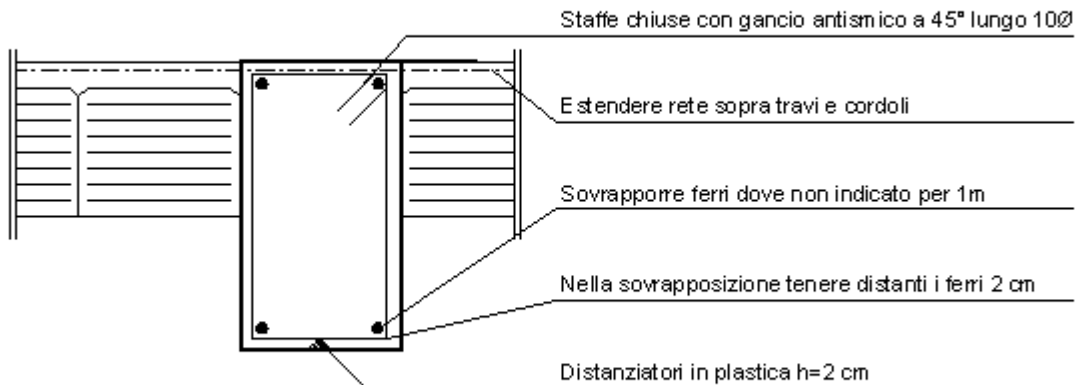
Altezze d e d'

DURABILITA'

1 Nessun rischio di corrosione o di attacco		
X0	Calcestruzzo privo di armatura o inserti metallici: tutte le esposizioni eccetto dove c'è gelo/disgelo, abrasione o attacco chimico. Calcestruzzo con armatura o inserti metallici molto asciutto.	Calcestruzzo all'interno di edifici con umidità dell'aria molto bassa.
2 Corrosione indotta da carbonatazione		
XC1	Asciutto o permanentemente bagnato	Calcestruzzo all'interno di edifici con bassa umidità relativa. Calcestruzzo costantemente immerso in acqua
XC2	Bagnato, raramente asciutto	Superfici di calcestruzzo a contatto con acqua per lungo tempo. Molte fondazioni
XC3	Umidità moderata	Calcestruzzo all'interno di edifici con umidità dell'aria moderata oppure elevata. Calcestruzzo esposto all'esterno protetto dalla pioggia
XC4	Ciclicamente bagnato e asciutto	Superfici di calcestruzzo soggette al contatto con acqua, non nella classe di esposizione XC2
3 Corrosione indotta da cloruri		
XD1	Umidità moderata	Superfici di calcestruzzo esposte a nebbia salina
XD2	Bagnato, raramente asciutto	Piscine. Calcestruzzo esposto ad acque industriali contenenti cloruri
XD3	Ciclicamente bagnato ed asciutto	Parti di ponti esposte a spruzzi contenenti cloruri Pavimentazioni stradali e di parcheggi
4 Corrosione indotta da cloruri presenti nell'acqua di mare		
XS1	Esposto a nebbia salina ma non in contatto diretto con acqua di mare	Strutture prossime oppure sulla costa
XS2	Permanentemente sommerso	Parti di strutture marine
XS3	Zone esposte alle onde, agli spruzzi oppure alle maree	Parti di strutture marine
5 Attacco di cicli gelo/disgelo		
XF1	Moderata saturazione d'acqua, senza impiego di agente antigelo	Superfici verticali di calcestruzzo esposte alla pioggia e al gelo
XF2	Moderata saturazione d'acqua, con uso di agente antigelo	Superfici verticali di calcestruzzo di strutture stradali esposte al gelo e nebbia di agenti antigelo
XF3	Elevata saturazione d'acqua, senza antigelo	Superfici orizzontali di calcestruzzo esposte alla pioggia e al gelo
XF4	Elevata saturazione d'acqua, con antigelo oppure acqua di mare	Strade e impalcati da ponte esposti agli agenti antigelo Superfici di calcestruzzo esposte direttamente a nebbia contenente agenti antigelo e al gelo
6. Attacco chimico		
XA1	Ambiente chimico debolmente aggressivo	Suoli naturali ed acqua del terreno
XA2	Ambiente chimico moderatamente aggressivo	Suoli naturali ed acqua del terreno
XA3	Ambiente chimico fortemente aggressivo	Suoli naturali ed acqua del terreno

Prescrizioni esecutive

Travi e solai



N.B.: Ogni variante che si renda necessaria, da esigenze di cantiere, deve essere prima autorizzata dalla Direzione Lavori

- Sovrapporre i ferri nelle riprese per almeno 60 diametri ;
- Impiegare distanziatori in plastica o pasta di cemento per garantire un copriferro (misurato dall'esterno ferro e non dal baricentro ferro) di almeno cm 2,5 per le travi e cm 3 per i pilastri (a meno di prescrizioni superiori per esigenze di REI) ;
- Estendere la rete nella soletta dei solai fino all'esterno cordolo o travi ;
- Sovrapporre le reti di cui sopra per almeno cm 20 ;
- Ancorare i ferri aggiuntivi superiori dei solai all'esterno delle travi di bordo, curando di tenere il baricentro a circa 2.5 cm dal filo superiore del getto della caldana del solaio ;
- Nella giunzione per sovrapposizione dei ferri, non legare i due ferri fra loro, ma tenerli distanziati di almeno cm 2 (interferro).

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

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:

<i>Young</i>	modulo di elasticità normale
<i>Poisson</i>	coefficiente di contrazione trasversale
<i>G</i>	modulo di elasticità tangenziale
<i>Gamma</i>	peso specifico
<i>Alfa</i>	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 Fctm	resistenza caratteristica cubica resistenza media a trazione semplice
2	acciaio	Ft Fy Fd Fdt Sadm Sadmt	tensione di rottura a trazione tensione di snervamento resistenza di calcolo resistenza di calcolo per spess. t>40 mm tensione ammissibile tensione ammissibile per spess. t>40 mm
3	muratura	Resist. Fk Resist. Fvko	resistenza caratteristica a compressione resistenza caratteristica a taglio
4	legno	Resist. fc0k Resist. ft0k Resist. fmk Resist. fvk Modulo E0,05 Lamellare	Resistenza caratteristica (tensione amm. per REGLES) per compressione Resistenza caratteristica (tensione amm. per REGLES) per trazione Resistenza caratteristica (tensione amm. per REGLES) per flessione Resistenza caratteristica (tensione amm. per REGLES) per taglio Modulo elastico parallelo caratteristico lamellare o massiccio

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

Con riferimento al **Documento di Affidabilità** “*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*” - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Modellazione di strutture in c.a.

Test N°	Titolo
41	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
42	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
43	VERIFICA ALLE TA DI STRUTTURE IN C.A.
44	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
46	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
47	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
49	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
50	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
51	FATTORE DI STRUTTURA
52	SOVRARESISTENZE
53	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
54	PARETI IN C.A. SNELLE IN ZONA SISMICA
80	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
120	PROGETTO E VERIFICA DI TRAVI PREM

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO

59	FATTORE DI STRUTTURA
60	ACCIAIO D.M.2008
61	ACCIAIO EC3
62	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO
63	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA IRRIGIDIMENTI TRASVERSALI
74	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI UN PIATTO DI RINFORZO SALDATO ALL'ANIMA DELLA COLONNA
75	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI DUE PIATTI DI RINFORZO SALDATI ALL'ANIMA DELLA COLONNA
76	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A DUE VIE SU ALI COLONNA
77	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A UNA VIA CON DUE COMBINAZIONI DI CARICO
78	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO SU ANIMA SENZA RINFORZI A QUATTRO FILE DI BULLONI DI CUI UNA SU PIASTRA INFERIORE E UNA SU PIASTRA SUPERIORE
79	VERIFICA DELLA PIASTRA NODO TRAVE COLONNA
85	TELAIO ACCIAIO: CONTROVENTI CONCENTRICI

Modellazione di strutture in muratura

Test N°	Titolo
81	ANALISI PUSHOVER DI UNA STRUTTURA IN MURATURA
84	ANALISI ELASTO PLASTICA INCREMENTALE, PARETE IN MURATURA
86	VERIFICA NON SISMICA DELLE MURATURE (D.M. 87 TA)
87	VERIFICA NON SISMICA DELLE MURATURE (D.M. 2005 SL)
88	FATTORE DI STRUTTURA

Modellazione di strutture in legno

Test N°	Titolo
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
89	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
90	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
91	FATTORE DI STRUTTURA
92	VERIFICHE EC5
93	SNELLEZZE EC5
94	VERIFICA AL FUOCO DI STRUTTURE IN LEGNO SECONDO EC5
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
119	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		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
	Rck	300.0					
	fctm	25.6					
3	Calcestruzzo Classe C28/35		3.260e+05	0.20	1.358e+05	2.50e-03	1.00e-05
	Rck	350.0					
	fctm	28.4					

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Composto con parete sismica	Composto con parete sismica				
Armatura						
Inclinazione Av [gradi]	90.00	90.00				
Angolo Av-Ao [gradi]	90.00	90.00				
Minima tesa	0.25	0.25				
Massima tesa	4.00	4.00				
Maglia unica centrale	No	No				
Copriferro [cm]	2.00	2.00				
Maglia V						
diametro	10	10				
passo	25	25				
diametro aggiuntivi	12	12				
Maglia O						
diametro	8	8				

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
passo	25	25				
diámetro aggiuntivi	8	8				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Fattore di confidenza FC	0.0	0.0				
Verifiche con N costante	Si	Si				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Parete sismica						
Fattore amplificazione taglio V	1.50	1.50				
Hcrit. par. 7.4.4.5.1 [cm]	0.0	0.0				
Hcrit. par. 7.4.6.1.4 [cm]	0.0	0.0				
Usa diagramma di fig. 7.4.2	Si	No				
Verifica come fascia	No	No				
Zona confinata						
Minima tesa	1.00	1.00				
Massima tesa	4.00	4.00				
Distanza barre [cm]	2.00	2.00				
Interfero	2	2				
Armatura inclinata						
Area barre [cm2]	0.0	0.0				
Angolo orizzontale [gradi]	0.0	0.0				
Distanza di base [cm]	0.0	0.0				
Resistenza al fuoco						
3- intradosso	No	No				
3+ estradosso	No	No				
Tempo di esposizione R	15	15				

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0	0.0				
Angolo Ax-Ay [gradi]	90.00	90.00				
Minima tesa	0.31	0.31				
Massima tesa	0.78	0.78				
Maglia unica centrale	No	No				
Copriferro [cm]	2.00	2.00				
Maglia x						
diámetro	10	10				
passo	20	20				
diámetro aggiuntivi	12	12				
Maglia y						
diámetro	10	10				
passo	20	20				
diámetro aggiuntivi	12	12				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Fattore di confidenza FC	0.0	0.0				
Verifiche con N costante	Si	Si				
Applica SLU da DIN	No	No				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Resistenza al fuoco						
3- intradosso	No	No				
3+ estradosso	No	No				
Tempo di esposizione R	15	15				

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	No	No				
Af inf: da q*L*L /	0.0	0.0				
Armatura						
Minima tesa	0.31	0.31				
Minima compressa	0.31	0.31				
Massima tesa	0.78	0.78				
Da sezione	No	Si				
Usa armatura teorica	Si	No				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tensione fy staffe [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Fattore di confidenza FC	0.0	0.0				
Verifiche con N costante	Si	Si				
Fattore di redistribuzione	0.0	0.0				
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander				
Incrudimento acciaio	5.000e-03	5.000e-03				
Fattore lambda	1.00	1.00				
epsilon max,s	4.000e-02	4.000e-02				
epsilon cu2	4.500e-03	4.500e-03				
epsilon c2	0.0	0.0				
epsilon cy	0.0	0.0				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	110.00	110.00				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Staffe						
Diametro staffe	0.0	0.0				
Passo minimo [cm]	4.00	5.00				
Passo massimo [cm]	30.00	30.00				
Passo raffittito [cm]	15.00	15.00				
Lunghezza zona raffittita [cm]	50.00	50.00				
Ctg(Teta) Max	2.50	2.50				
Percentuale sagomati	0.0	0.0				
Luce di taglio per GR [cm]	1.00	1.00				
Adotta scorrimento medio	No	No				
Torsione non essenziale inclusa	Si	Si				

Pilastr c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Privilegia lati	Privilegia lati				
Progetta a filo	No	No				
Effetti del 2 ordine	No	Si				
Beta per 2-2	1.00	1.00				
Beta per 3-3	1.00	1.00				
Armatura						
Massima tesa	4.00	4.00				
Minima tesa	1.00	1.00				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tensione fy staffe [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Fattore di confidenza FC	0.0	0.0				
Verifiche con N costante	No	Si				
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander				
Incrudimento acciaio	5.000e-03	5.000e-03				

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Fattore lambda	1.00	1.00				
epsilon max,s	4.000e-02	4.000e-02				
epsilon cu2	4.500e-03	4.500e-03				
epsilon c2	0.0	0.0				
epsilon cy	0.0	0.0				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	110.00	110.00				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Staffe						
Diametro staffe	0.0	0.0				
Passo minimo [cm]	5.00	5.00				
Passo massimo [cm]	25.00	25.00				
Passo raffittito [cm]	15.00	15.00				
Lunghezza zona raffittita [cm]	45.00	45.00				
Ctg(Teta) Max	2.50	2.50				
Luce di taglio per GR [cm]	1.00	1.00				
Massimizza gerarchia	No	Si				

Solai c.a.

Generalità

Si prevedono solai alveolari precompressi del tipo H= 26+4 cm aventi le seguenti caratteristiche:

Caldana s= 4 cm

P= 335 daN/m²

Ac = 1531 cm²

Io=139900 cm⁴

Wi= 11100 cm³

Ws= 10000 cm³

yi= 12,6 cm

Il solaio deve essere in grado di portare i seguenti carichi:

	SLE	γ	SLU
G1 [Carichi permanenti strutturali]	335+100= 435 daN/m ²	1,3	566 daN/m ²
G2 [Carichi permanenti non strutturali]	400 daN/m ²	1,5	600 daN/m ²
Q [Carico variabile]	500 daN/m ²	1,5	750 daN/m ²

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

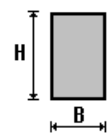
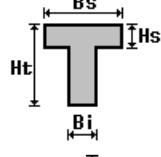
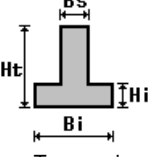
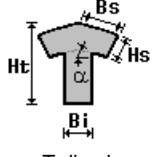
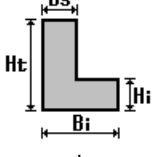
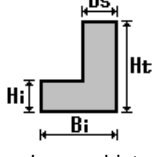
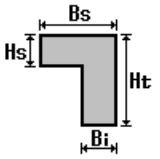
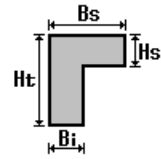
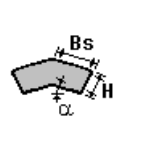
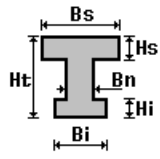
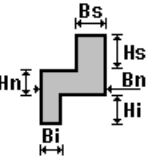
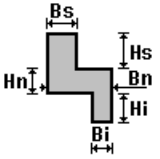
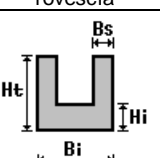
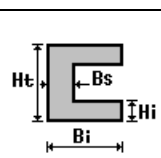
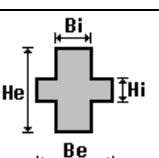
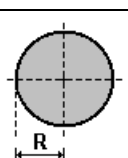
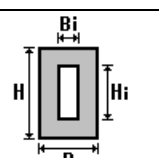
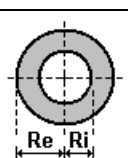
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

- 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 profilati.

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

Con riferimento al **Documento di Affidabilità** "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST" - versione Settembre 2014, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
1	CARATTERISTICHE GEOMETRICHE E INERZIALI
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
104	ANALISI DI RESISTENZA AL FUOCO

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
1	Rettangolare: b=30.00 h=30.00	900.00	750.00	750.00	1.139e+05	6.750e+04	6.750e+04	4500.00	4500.00	6750.00	6750.00
2	Rettangolare: b=30.00 h=75.00	2250.00	1875.00	1875.00	5.049e+05	1.688e+05	1.055e+06	1.125e+04	2.813e+04	1.688e+04	4.219e+04
3	T rovescia: bi=80.00 ht=80.00 bs=30.00 hi=30.00	3900.00	0.0	0.0	1.100e+06	1.393e+06	1.969e+06	3.481e+04	3.969e+04	5.925e+04	7.097e+04
4	Rettangolare: b=60.00 h=30.00	1800.00	1500.00	1500.00	3.699e+05	5.400e+05	1.350e+05	1.800e+04	9000.00	2.700e+04	1.350e+04

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).

Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

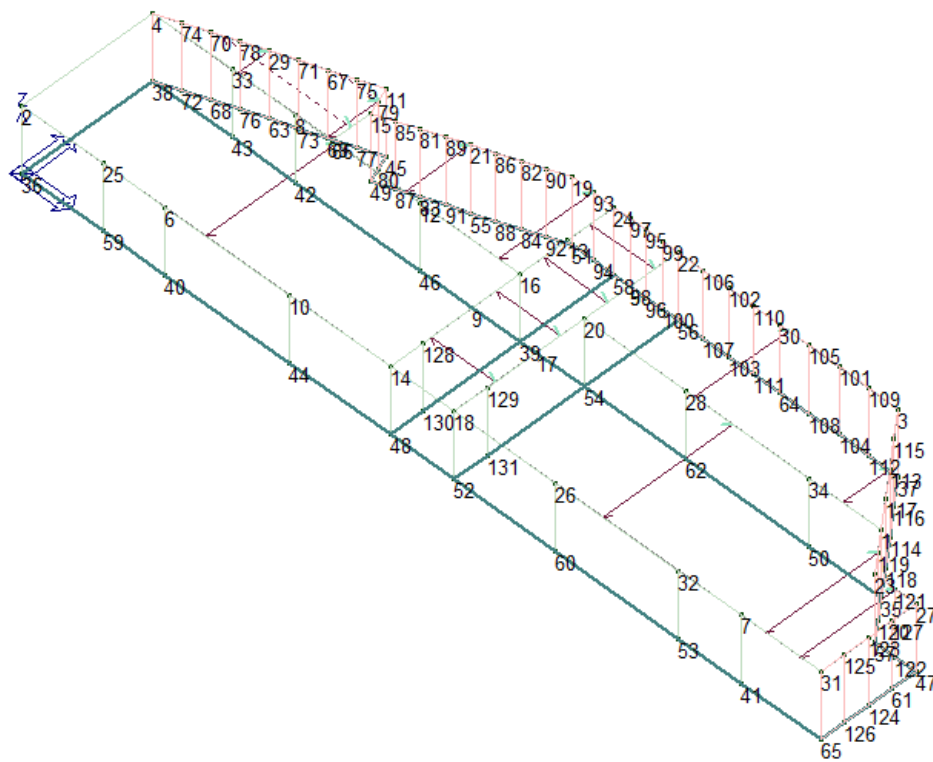
Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 14/01/08

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	3898.2	697.1	363.0	2	1.7	0.0	363.0	3	3488.0	1199.2	363.0
4	1.7	697.1	363.0	5	2309.1	948.2	363.0	6	765.8	0.0	363.0
7	3844.5	0.0	363.0	8	765.8	697.1	363.0	9	1969.1	442.3	363.0
10	1430.2	0.0	363.0	11	910.3	1036.3	363.0	12	1430.2	697.1	363.0
13	1969.1	948.2	363.0	14	1969.1	0.0	363.0	15	961.7	901.9	363.0
16	1969.1	697.1	363.0	17	2309.1	442.3	363.0	18	2309.1	0.0	363.0
19	1739.5	1199.2	363.0	20	2309.1	697.1	363.0	21	1350.6	1050.6	363.0
22	2309.1	1199.2	363.0	23	4050.6	510.5	363.0	24	1969.1	1199.2	363.0
25	433.7	0.0	363.0	26	2850.5	0.0	363.0	27	4273.0	510.5	363.0
28	2850.5	697.1	363.0	29	456.0	866.7	363.0	30	2850.5	1199.2	363.0
31	4273.0	0.0	363.0	32	3512.3	0.0	363.0	33	426.0	697.1	363.0
34	3512.3	697.1	363.0	35	3898.2	697.1	-2.78e-02	36	1.7	0.0	-2.78e-02
37	3488.0	1199.2	-2.78e-02	38	1.7	697.1	-2.78e-02	39	1969.1	697.1	-2.78e-02
40	765.8	0.0	-2.78e-02	41	3844.5	0.0	-2.78e-02	42	765.8	697.1	-2.78e-02
43	426.0	697.1	-2.78e-02	44	1430.2	0.0	-2.78e-02	45	910.3	1036.3	-2.78e-02
46	1430.2	697.1	-2.78e-02	47	4273.0	510.5	-2.78e-02	48	1969.1	0.0	-2.78e-02
49	961.7	901.9	-2.78e-02	50	3512.3	697.1	-2.78e-02	51	1739.5	1199.2	-2.78e-02
52	2309.1	0.0	-2.78e-02	53	3512.3	0.0	-2.78e-02	54	2309.1	697.1	-2.78e-02
55	1350.6	1050.6	-2.78e-02	56	2309.1	1199.2	-2.78e-02	57	4050.6	510.5	-2.78e-02
58	1969.1	1199.2	-2.78e-02	59	433.7	0.0	-2.78e-02	60	2850.5	0.0	-2.78e-02
61	4273.0	382.9	-2.78e-02	62	2850.5	697.1	-2.78e-02	63	456.0	866.7	-2.78e-02
64	2850.5	1199.2	-2.78e-02	65	4273.0	0.0	-2.78e-02	66	961.7	697.1	363.0
67	683.2	951.5	363.0	68	228.8	781.9	-2.78e-02	69	683.2	951.5	-2.78e-02
70	228.8	781.9	363.0	71	569.6	909.1	363.0	72	115.3	739.5	-2.78e-02
73	569.6	909.1	-2.78e-02	74	115.3	739.5	363.0	75	796.8	993.9	363.0
76	342.4	824.3	-2.78e-02	77	796.8	993.9	-2.78e-02	78	342.4	824.3	363.0
79	936.0	969.1	363.0	80	936.0	969.1	-2.78e-02	81	1156.2	976.2	363.0
82	1545.1	1124.9	363.0	83	1156.2	976.2	-2.78e-02	84	1545.1	1124.9	-2.78e-02
85	1059.0	939.1	363.0	86	1447.8	1087.7	363.0	87	1059.0	939.1	-2.78e-02

88	1447.8	1087.7	-2.78e-02	89	1253.4	1013.4	363.0	90	1642.3	1162.1	363.0
91	1253.4	1013.4	-2.78e-02	92	1642.3	1162.1	-2.78e-02	93	1854.3	1199.2	363.0
94	1854.3	1199.2	-2.78e-02	95	2139.1	1199.2	363.0	96	2139.1	1199.2	-2.78e-02
97	2054.1	1199.2	363.0	98	2054.1	1199.2	-2.78e-02	99	2224.1	1199.2	363.0
100	2224.1	1199.2	-2.78e-02	101	3169.3	1199.2	363.0	102	2579.8	1199.2	363.0
103	2579.8	1199.2	-2.78e-02	104	3169.3	1199.2	-2.78e-02	105	3009.9	1199.2	363.0
106	2444.4	1199.2	363.0	107	2444.4	1199.2	-2.78e-02	108	3009.9	1199.2	-2.78e-02
109	3328.7	1199.2	363.0	110	2715.2	1199.2	363.0	111	2715.2	1199.2	-2.78e-02
112	3328.7	1199.2	-2.78e-02	113	3693.1	948.2	363.0	114	3693.1	948.2	-2.78e-02
115	3590.6	1073.7	363.0	116	3590.6	1073.7	-2.78e-02	117	3795.6	822.6	363.0
118	3795.6	822.6	-2.78e-02	119	3974.4	603.8	363.0	120	3974.4	603.8	-2.78e-02
121	4161.8	510.5	363.0	122	4161.0	510.5	-1.39e-02	123	4273.0	255.2	363.0
124	4273.0	255.2	-2.78e-02	125	4273.0	127.6	363.0	126	4273.0	127.6	-2.78e-02
127	4273.0	382.9	363.0	128	1969.1	180.0	363.0	129	2309.1	180.0	363.0
130	1969.1	180.0	-2.78e-02	131	2309.1	180.0	-2.78e-02				



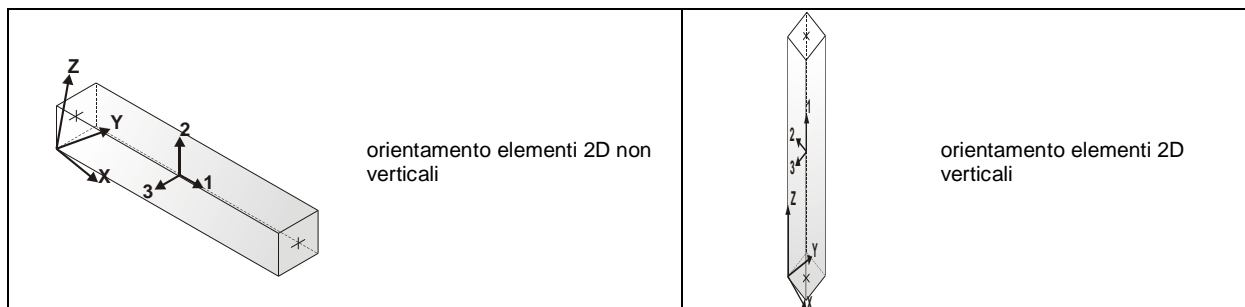
MODELLAZIONE STRUTTURALE: ELEMENTI TRAVE

TABELLA DATI TRAVI

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

Con riferimento al **Documento di Affidabilità** “*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*” - versione Settembre 2014, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
2	TRAVI A UNA CAMPATA
3	TRAVE A PIU' CAMPATE
4	TRAVE A UNA CAMPATA SU TERRENO ALLA WINKLER
5	TRAVI SU TERRENO ALLA WINKLER CON CARICO TRASVERSALE
6	TELAI PIANI CON CERNIERE ALLA BASE
7	TELAI PIANI CON INCASTRI ALLA BASE
11	STRUTTURE SOGGETTE A VARIAZIONI TERMICHE
12	STRUTTURE SU TERRENO ALLA WINKLER SOTTOPOSTE A CARICHI DISTRIBUITI TRIANGOLARI
21	DRILLING
24	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
27	FRECCIA DI ELEMENTI TRAVE
42	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
43	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
44	VERIFICA ALLE TA DI STRUTTURE IN C.A.
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
47	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
52	FATTORE DI STRUTTURA

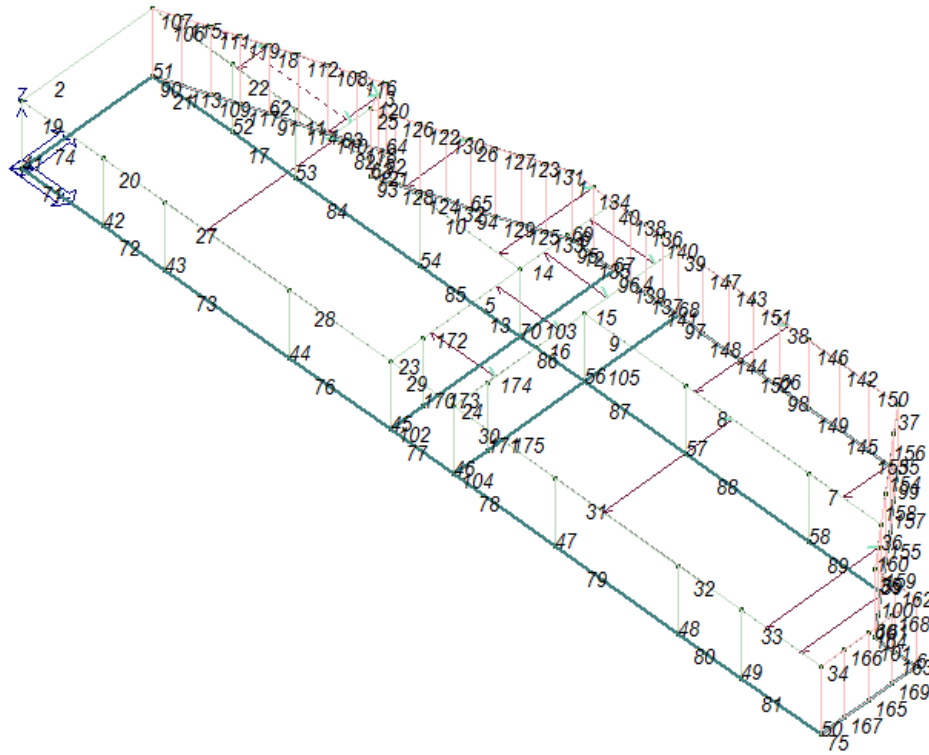
53	SOVRARESISTENZE
54	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
56	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
57	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
58	LUCE LIBERA DI COLONNE IN ACCIAIO
59	SVERGOLAMENTO DI TRAVI IN ACCIAIO
64	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	VALUTAZIONE EFFETTO P- δ SU PILASTRATA
74	VALUTAZIONE EFFETTO P- δ SU TELAIO 3D
85	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
87	ANALISI ELASTO PLASTICA INCREMENTALE
88	ANALISI ELASTO PLASTICA INCREMENTALE
98	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
99	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
102	SNELLEZZE EC5
130	PROGETTO E VERIFICA DI TRAVI PREM

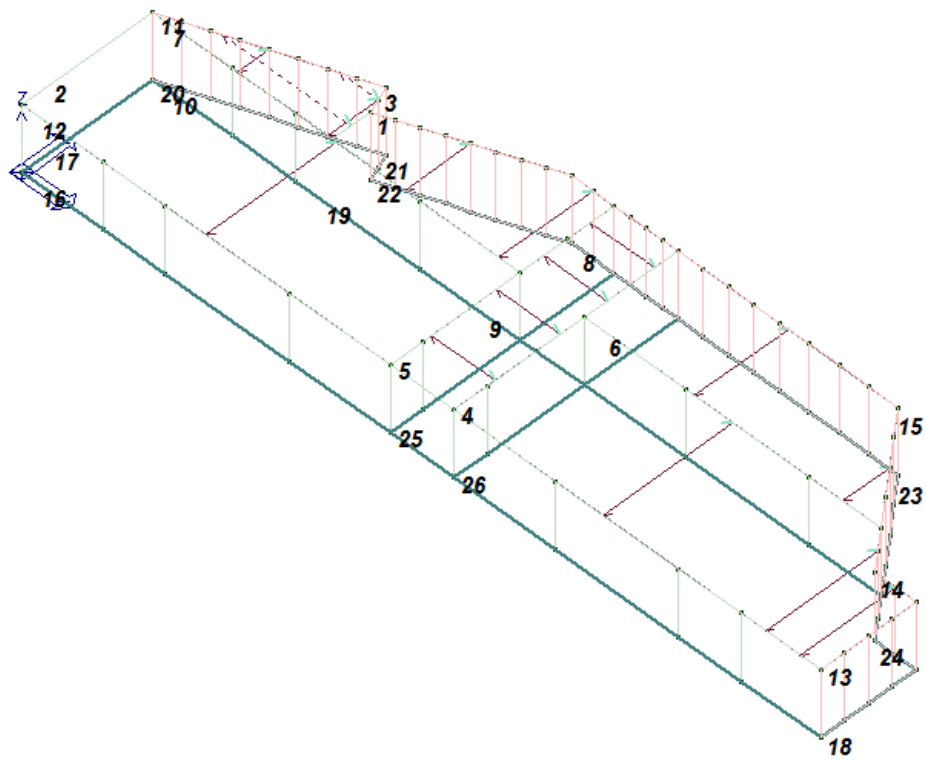
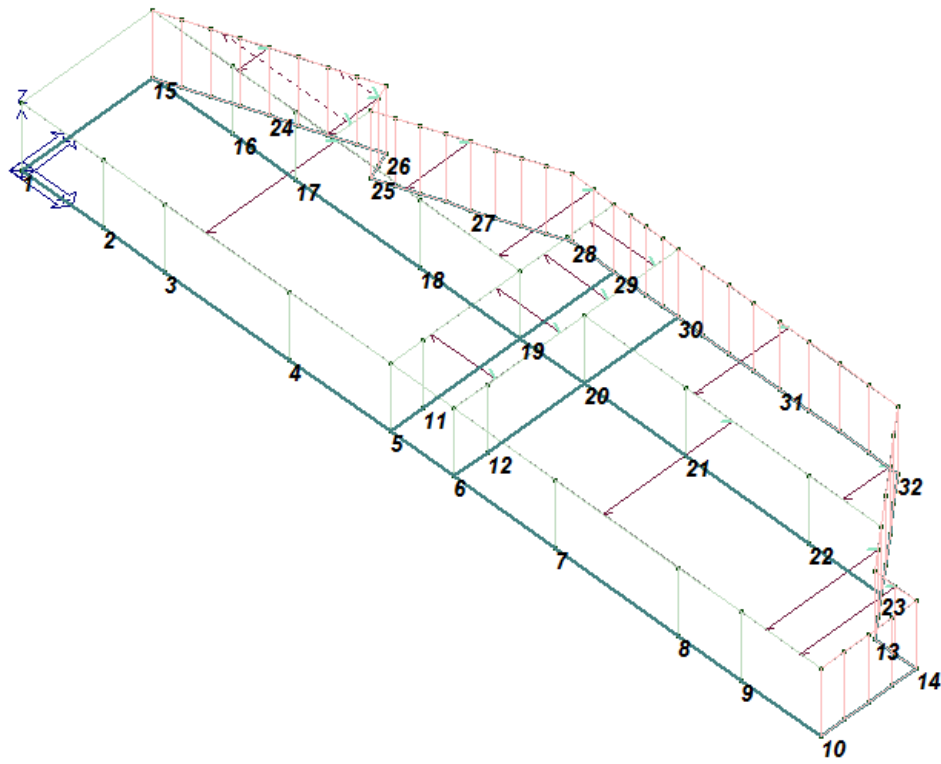
Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	19	93	3	1					
2	Trave	2	4	1	2					
3	Trave	11	79	3	1					
4	Trave	5	22	3	4					
5	Trave	9	16	3	4					
6	Trave	13	24	3	4					
7	Trave	34	1	1	2					
8	Trave	28	34	1	2					
9	Trave	20	28	1	2					
10	Trave	12	16	1	2					
11	Trave	8	66	1	2					
12	Trave	13	5	1	1					
13	Trave	9	17	1	1					
14	Trave	16	13	3	4					
15	Trave	20	5	3	4					
16	Trave	17	20	3	4					
17	Trave f.	43	42	3	3				3.00	1.00
18	Trave	29	71	3	1					
19	Trave	2	25	1	2					
20	Trave	25	6	1	2					
21	Trave f.	38	43	3	3				3.00	1.00
22	Trave	33	8	1	2					
23	Trave	14	128	3	4					

24	Trave	18	129	3	4		
25	Trave	15	85	3	1		
26	Trave	21	86	3	1		
27	Trave	6	10	1	2		
28	Trave	10	14	1	2		
29	Trave	14	18	1	4		
30	Trave	18	26	1	2		
31	Trave	26	32	1	2		
32	Trave	32	7	1	2		
33	Trave	7	31	1	2		
34	Trave	31	125	3	1		
35	Trave	23	121	3	1		
36	Trave	1	119	3	1		
37	Trave	3	115	3	1		
38	Trave	30	105	3	1		
39	Trave	22	106	3	1		
40	Trave	24	97	3	1		
41	Pilas.	36	2	3	1		
42	Pilas.	59	25	3	1		
43	Pilas.	40	6	3	1		
44	Pilas.	44	10	3	1		
45	Pilas.	48	14	3	1		
46	Pilas.	52	18	3	1		
47	Pilas.	60	26	3	1		
48	Pilas.	53	32	3	1		
49	Pilas.	41	7	3	1		
50	Pilas.	65	31	3	1		
51	Pilas.	38	4	3	1		
52	Pilas.	43	33	3	1		
53	Pilas.	42	8	3	1		
54	Pilas.	46	12	3	1		
55	Pilas.	37	3	3	1		
56	Pilas.	54	20	3	1		
57	Pilas.	62	28	3	1		
58	Pilas.	50	34	3	1		
59	Pilas.	35	1	3	1		
60	Pilas.	57	23	3	1		
61	Pilas.	47	27	3	1		
62	Pilas.	63	29	3	1		
63	Pilas.	49	15	3	1		
64	Pilas.	45	11	3	1		
65	Pilas.	55	21	3	1		
66	Pilas.	64	30	3	1		
67	Pilas.	58	24	3	1		
68	Pilas.	56	22	3	1		
69	Pilas.	51	19	3	1		
70	Pilas.	39	16	3	1		
71	Trave f.	36	59	1	3	3.00	1.00
72	Trave f.	59	40	1	3	3.00	1.00
73	Trave f.	40	44	1	3	3.00	1.00
74	Trave f.	36	38	1	3	3.00	1.00
75	Trave f.	65	126	1	3	3.00	1.00
76	Trave f.	44	48	1	3	3.00	1.00
77	Trave f.	48	52	1	3	3.00	1.00
78	Trave f.	52	60	1	3	3.00	1.00
79	Trave f.	60	53	1	3	3.00	1.00
80	Trave f.	53	41	1	3	3.00	1.00
81	Trave f.	41	65	1	3	3.00	1.00
82	Trave	66	12	1	2		
83	Trave	66	15	3	1		
84	Trave f.	42	46	1	3	3.00	1.00
85	Trave f.	46	39	1	3	3.00	1.00
86	Trave f.	39	54	1	3	3.00	1.00
87	Trave f.	54	62	1	3	3.00	1.00
88	Trave f.	62	50	1	3	3.00	1.00
89	Trave f.	50	35	1	3	3.00	1.00
90	Trave f.	38	72	1	3	3.00	1.00
91	Trave f.	63	73	1	3	3.00	1.00
92	Trave f.	45	80	1	3	3.00	1.00
93	Trave f.	49	87	1	3	3.00	1.00
94	Trave f.	55	88	1	3	3.00	1.00
95	Trave f.	51	94	1	3	3.00	1.00
96	Trave f.	58	98	1	3	3.00	1.00
97	Trave f.	56	107	1	3	3.00	1.00

98	Trave f.	64	108	1	3	3.00	1.00
99	Trave f.	37	116	1	3	3.00	1.00
100	Trave f.	35	120	1	3	3.00	1.00
101	Trave f.	57	122	1	3	3.00	1.00
102	Trave f.	48	130	1	3	3.00	1.00
103	Trave f.	39	58	1	3	3.00	1.00
104	Trave f.	52	131	1	3	3.00	1.00
105	Trave f.	54	56	1	3	3.00	1.00
106	Trave	4	33	1	2		
107	Trave	4	74	3	1		
108	Trave	67	75	3	1		
109	Trave f.	68	76	1	3	3.00	1.00
110	Trave f.	69	77	1	3	3.00	1.00
111	Trave	70	78	3	1		
112	Trave	71	67	3	1		
113	Trave f.	72	68	1	3	3.00	1.00
114	Trave f.	73	69	1	3	3.00	1.00
115	Trave	74	70	3	1		
116	Trave	75	11	3	1		
117	Trave f.	76	63	1	3	3.00	1.00
118	Trave f.	77	45	1	3	3.00	1.00
119	Trave	78	29	3	1		
120	Trave	79	15	3	1		
121	Trave f.	80	49	1	3	3.00	1.00
122	Trave	81	89	3	1		
123	Trave	82	90	3	1		
124	Trave f.	83	91	1	3	3.00	1.00
125	Trave f.	84	92	1	3	3.00	1.00
126	Trave	85	81	3	1		
127	Trave	86	82	3	1		
128	Trave f.	87	83	1	3	3.00	1.00
129	Trave f.	88	84	1	3	3.00	1.00
130	Trave	89	21	3	1		
131	Trave	90	19	3	1		
132	Trave f.	91	55	1	3	3.00	1.00
133	Trave f.	92	51	1	3	3.00	1.00
134	Trave	93	24	3	1		
135	Trave f.	94	58	1	3	3.00	1.00
136	Trave	95	99	3	1		
137	Trave f.	96	100	1	3	3.00	1.00
138	Trave	97	95	3	1		
139	Trave f.	98	96	1	3	3.00	1.00
140	Trave	99	22	3	1		
141	Trave f.	100	56	1	3	3.00	1.00
142	Trave	101	109	3	1		
143	Trave	102	110	3	1		
144	Trave f.	103	111	1	3	3.00	1.00
145	Trave f.	104	112	1	3	3.00	1.00
146	Trave	105	101	3	1		
147	Trave	106	102	3	1		
148	Trave f.	107	103	1	3	3.00	1.00
149	Trave f.	108	104	1	3	3.00	1.00
150	Trave	109	3	3	1		
151	Trave	110	30	3	1		
152	Trave f.	111	64	1	3	3.00	1.00
153	Trave f.	112	37	1	3	3.00	1.00
154	Trave	113	117	3	1		
155	Trave f.	114	118	1	3	3.00	1.00
156	Trave	115	113	3	1		
157	Trave f.	116	114	1	3	3.00	1.00
158	Trave	117	1	3	1		
159	Trave f.	118	35	1	3	3.00	1.00
160	Trave	119	23	3	1		
161	Trave f.	120	57	1	3	3.00	1.00
162	Trave	121	27	3	1		
163	Trave f.	122	47	1	3	3.00	1.00
164	Trave	123	127	3	1		
165	Trave f.	124	61	1	3	3.00	1.00
166	Trave	125	123	3	1		
167	Trave f.	126	124	1	3	3.00	1.00
168	Trave	127	27	3	1		
169	Trave f.	61	47	1	3	3.00	1.00
170	Pilas.	130	128	3	1		
171	Pilas.	131	129	3	1		

172	Trave	128	9	3	4		
173	Trave f.	130	39	1	3	3.00	1.00
174	Trave	129	17	3	4		
175	Trave f.	131	54	1	3	3.00	1.00

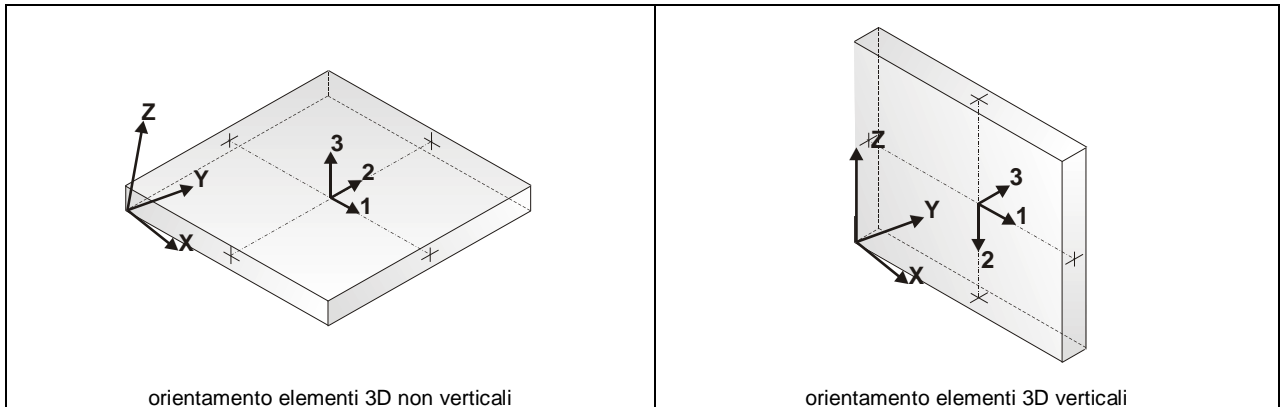




MODELLAZIONE STRUTTURALE: ELEMENTI SHELL

LEGENDA TABELLA DATI 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.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: <i>Guscio</i> (elemento guscio in elevazione non verticale) <i>Guscio fond.</i> (elemento guscio su suolo elastico) <i>Setto</i> (elemento guscio in elevazione verticale) <i>Membrana</i> (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

Con riferimento al **Documento di Affidabilità** “*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*” - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
8	MENSOLE CON ELEMENTI PLATE E MATERIALE ORTOTROPO
10	PIASTRA CON ELEMENTI PLATE E MATERIALE ORTOTROPO
21	DRILLING
25	TENSIONI DI ELEMENTI PLATE
31	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON PUNTI FISSI IMPORTATA DA FILE .DXF
32	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON SEGMENTI E FORI INTERNI IMPORTATA DA FILE .DXF
33	REALIZZAZIONE DI MESH PIANE SU GEOMETRIE COSTRUITE IN PRO_SAP
34	ANALISI DI BUCKLING DI PIASTRA ISOTROPA
35	ANALISI DI BUCKLING DI UN CILINDRO COMPRESSO INCASTRATO ALLA BASE
36	ANALISI DI PARETI FORATE
37	BIMETALLIC STRIP (NAFEMS EXERCISE 6)
38	ANALISI ELASTICA DI PIASTRA CON INTAGLIO CIRCOLARE (FLAT BAR WITH EDGE NOTCHES-NAFEMS EXERCISE 9)
39	PLATEA NERVATA
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm ³	Wink O daN/cm ³
1	Setto	4	74	72	38	3	25.0		
2	Setto	74	70	68	72	3	25.0		

3	Setto	70	78	76	68	3	25.0
4	Setto	78	29	63	76	3	25.0
5	Setto	29	71	73	63	3	25.0
6	Setto	71	67	69	73	3	25.0
7	Setto	67	75	77	69	3	25.0
8	Setto	75	11	45	77	3	25.0
9	Setto	11	79	80	45	3	25.0
10	Setto	79	15	49	80	3	25.0
11	Setto	15	85	87	49	3	25.0
12	Setto	85	81	83	87	3	25.0
13	Setto	81	89	91	83	3	25.0
14	Setto	89	21	55	91	3	25.0
15	Setto	21	86	88	55	3	25.0
16	Setto	86	82	84	88	3	25.0
17	Setto	82	90	92	84	3	25.0
18	Setto	90	19	51	92	3	25.0
19	Setto	19	93	94	51	3	25.0
20	Setto	93	24	58	94	3	25.0
21	Setto	24	97	98	58	3	25.0
22	Setto	97	95	96	98	3	25.0
23	Setto	95	99	100	96	3	25.0
24	Setto	99	22	56	100	3	25.0
25	Setto	22	106	107	56	3	25.0
26	Setto	106	102	103	107	3	25.0
27	Setto	102	110	111	103	3	25.0
28	Setto	110	30	64	111	3	25.0
29	Setto	30	105	108	64	3	25.0
30	Setto	105	101	104	108	3	25.0
31	Setto	101	109	112	104	3	25.0
32	Setto	109	3	37	112	3	25.0
33	Setto	3	115	116	37	3	25.0
34	Setto	115	113	114	116	3	25.0
35	Setto	113	117	118	114	3	25.0
36	Setto	117	1	35	118	3	25.0
37	Setto	1	119	120	35	3	25.0
38	Setto	119	23	57	120	3	25.0
39	Setto	23	121	122	57	3	25.0
40	Setto	121	27	47	122	3	25.0
41	Setto	61	47	27	127	3	25.0
42	Setto	124	61	127	123	3	25.0
43	Setto	126	124	123	125	3	25.0
44	Setto	65	126	125	31	3	25.0

MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO

LEGENDA TABELLA DATI SOLAI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio.

Ogni elemento solaio 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, 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.

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 di neve
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 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 (comprensivo del peso proprio)
Qk	carico variabile
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione 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 istantanee 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 calcestruzzo
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 [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Con riferimento al **Documento di Affidabilità "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST"** - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
14	ANALISI DEI CARICHI PER UN SOLAIO DI COPERTURA
15	EFFETTI DELLO SPESSORE SULLA RIGIDEZZA DEI SOLAI
16	SOLAIO: CONFRONTO FRA RIGIDO E DEFORMABILE
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
28	FRECCIA DI SOLAI IN C.A.
128	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

ID Arch.	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi		
1	Variab.	daN/cm2 4.40e-02	daN/cm2 4.00e-02	daN/cm2 5.00e-02		1.00	0.70	0.70	0.60	0.60	1.00		
Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	CM	1	m=3	30.0	0.0	4.40e-02	4.00e-02	5.00e-02	13	5	22	24	
2	CM	1	m=3	30.0	90.0	4.40e-02	4.00e-02	5.00e-02	18	31	27	23	1
3	CM	1	m=3	30.0	0.0	4.40e-02	4.00e-02	5.00e-02	20				
4	CM	1	m=3	30.0	0.0	4.40e-02	4.00e-02	5.00e-02	14	18	17	9	
5	CM	1	m=3	30.0	90.0	4.40e-02	4.00e-02	5.00e-02	9	17	20	5	13
6	CM	1	m=3	30.0	90.0	4.40e-02	4.00e-02	5.00e-02	16				
7	CM	1	m=3	30.0	90.0	4.40e-02	4.00e-02	5.00e-02	20	1	3	22	
8	SB	1	m=1	1.0	90.0	4.40e-02	4.00e-02	5.00e-02	2	14	16	4	
									66	16	24	19	15
									4	66	15	11	

MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI 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 di pressione uniforme su piastra

Id	Tipo	pressione
		daN/cm2
1	P3:p=-2.450e-02	-0.02

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA 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 solai) 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	Esk	CDC=Es (statico 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)
6	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
7	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
8	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
9	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
10	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
11	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
12	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
13	Etk	CDC=Etk (inc. sp. terreno) SLV verso neg. alfa=90.00	D3 :da 1 a 44 Azione : P3:p=-2.450e-02
14	Etk	CDC=Etk (inc. sp. terreno) SLV verso neg. alfa=0.0	D3 :da 1 a 44 Azione : P3:p=-2.450e-02

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

$$\gamma G_1 \cdot G_1 + \gamma G_2 \cdot G_2 + \gamma P \cdot P + \gamma Q_1 \cdot Q_{k1} + \gamma Q_2 \cdot \psi_{02} \cdot Q_{k2} + \gamma Q_3 \cdot \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione caratteristica (rara) SLE

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione frequente SLE

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione quasi permanente SLE

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

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

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

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

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Dove:

NTC 2008 Tabella 2.5.I

Destinazione d'uso/azione	ψ_0	ψ_1	ψ_2
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 $\leq 30\text{kN}$)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30\text{kN}$)	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 2008 Tabella 2.6.1

		Coefficiente γ_f	EQU	A1	A2
Carichi permanenti	Favorevoli	γ_{G1}	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli	γ_{G2}	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3
Carichi variabili	Favorevoli	γ_{Qi}	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	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	SLE(r)	Comb. SLE(rara) 5	
6	SLE(r)	Comb. SLE(rara) 6	
7	SLE(f)	Comb. SLE(freq.) 7	
8	SLE(f)	Comb. SLE(freq.) 8	
9	SLE(p)	Comb. SLE(perm.) 9	
10	SLE(p)	Comb. SLE(perm.) 10	
11	SLU	Comb. SLU A1 (SLV sism.) 11	
12	SLU	Comb. SLU A1 (SLV sism.) 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	SLD(sis)	Comb. SLE (SLD Danno sism.) 19	
20	SLD(sis)	Comb. SLE (SLD Danno sism.) 20	
21	SLD(sis)	Comb. SLE (SLD Danno sism.) 21	
22	SLD(sis)	Comb. SLE (SLD Danno sism.) 22	
23	SLD(sis)	Comb. SLE (SLD Danno sism.) 23	
24	SLD(sis)	Comb. SLE (SLD Danno sism.) 24	
25	SLD(sis)	Comb. SLE (SLD Danno sism.) 25	
26	SLD(sis)	Comb. SLE (SLD Danno sism.) 26	

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	0.0
2	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	0.0
3	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	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	0.0
6	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	0.0
7	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	0.0
8	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	0.0
9	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	0.0
10	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.00	1.00	1.00	0.60	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
12	1.00	1.00	1.00	0.60	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.00	1.00	1.00	0.60	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
14	1.00	1.00	1.00	0.60	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	1.00	1.00	1.00	0.60	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0
16	1.00	1.00	1.00	0.60	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	1.00	1.00	1.00	0.60	0.0	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.0
18	1.00	1.00	1.00	0.60	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
19	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
20	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
21	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.0	0.0
22	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
23	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.0
24	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0
25	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0
26	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

Per quanto attiene l'azione sismica è stato utilizzato il metodo semplificato previsto per la Zona 4 con spettro di progetto costante pari a $S(d)=0,07g$ (Cap.7 NTC 2008).

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA 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 di struttura q	Fattore 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 η_T (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \eta_T/h$ 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 η_T , η_P e η_D degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità $1000 \cdot \eta_T/h$ 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 l'allegato 10.A dell'Ordinanza 3274 e smi. In particolare la tabella, per ogni combinazione SLU (SLC per il DM 14-01-2008) sismica riporta il codice di verifica e i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

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' elastomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

- 1) $V > 0$
- 2) $\text{Sig } s < f_{yk}$
- 3) $\text{Gam } t < 5$
- 4) $\text{Gam } s < \text{Gam} \cdot (\text{caratteristica dell' elastomero})$
- 5) $\text{Gam } s < 2$

6) $V < 0.5 V_{cr}$

Con riferimento al **Documento di Affidabilità** "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST" - versione Maggio 2011, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
23	DM 2008: SPETTRO
29	SISMICA 1000/H, SOMMA V, EFFETTO P-δ
30	ANALISI DI UN EDIFICIO CON ISOLATORI SISMICI
70	MASSE SISMICHE
75	PROGETTO DI ISOLATORI ELASTOMERICI
76	VERIFICA DI ISOLATORI ELASTOMERICI
77	VERIFICA DI ISOLATORI FRICTION PENDULUM

CDC	Tipo	Sigla Id	Note
5	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.144 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.192 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.070

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
362.97	4.497e+04	4.497e+04	6.411e+05	2146.50	576.07	0.0	-59.96	2099.67	547.09	1.057	0.035	0.021
-0.01	3.39e-03	4.497e+04	1261.27	4160.99	510.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	4.497e+04		6.424e+05									

CDC	Tipo	Sigla Id	Note
6	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.144 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa

CDC	Tipo	Sigla Id	Note
			periodo proprio T1: 0.192 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.070

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
362.97	4.497e+04	4.497e+04	6.411e+05	2146.50	576.07	0.0	59.96	2099.67	547.09	1.057	0.035	0.021
-0.01	3.39e-03	4.497e+04	1261.27	4160.99	510.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	4.497e+04		6.424e+05									

CDC	Tipo	Sigla Id	Note
7	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.144 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.192 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.070

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
362.97	4.497e+04	4.497e+04	6.411e+05	2146.50	576.07	213.57	0.0	2099.67	547.09	1.057	0.035	0.021
-0.01	3.39e-03	4.497e+04	1261.27	4160.99	510.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	4.497e+04		6.424e+05									

CDC	Tipo	Sigla Id	Note
8	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.144 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.192 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.070

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
362.97	4.497e+04	4.497e+04	6.411e+05	2146.50	576.07	-213.57	0.0	2099.67	547.09	1.057	0.035	0.021
-0.01	3.39e-03	4.497e+04	1261.27	4160.99	510.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	4.497e+04		6.424e+05									

CDC	Tipo	Sigla Id	Note
9	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.063 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.192 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.063

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
362.97	4.031e+04	4.031e+04	6.411e+05	2146.50	576.07	0.0	-59.96	2099.67	547.09	1.057	0.035	0.021
-0.01	3.04e-03	4.031e+04	1261.27	4160.99	510.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	4.031e+04		6.424e+05									

CDC	Tipo	Sigla Id	Note
10	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.063 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.192 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.063

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
362.97	4.031e+04	4.031e+04	6.411e+05	2146.50	576.07	0.0	59.96	2099.67	547.09	1.057	0.035	0.021
-0.01	3.04e-03	4.031e+04	1261.27	4160.99	510.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	4.031e+04		6.424e+05									

CDC	Tipo	Sigla Id	Note
11	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.063 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva

CDC	Tipo	Sigla Id	Note
			periodo proprio T1: 0.192 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.063

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
362.97	4.031e+04	4.031e+04	6.411e+05	2146.50	576.07	213.57	0.0	2099.67	547.09	1.057	0.035	0.021
-0.01	3.04e-03	4.031e+04	1261.27	4160.99	510.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	4.031e+04		6.424e+05									

CDC	Tipo	Sigla Id	Note
12	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.063 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.192 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.063

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
362.97	4.031e+04	4.031e+04	6.411e+05	2146.50	576.07	-213.57	0.0	2099.67	547.09	1.057	0.035	0.021
-0.01	3.04e-03	4.031e+04	1261.27	4160.99	510.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	4.031e+04		6.424e+05									

Cmb	Pilas. 1000	etaT/h	etaT	inter. h	Pilas. 1000	etaT/h	etaT	inter. h	Pilas. 1000	etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
19	41	0.52	0.19	363.0	42	0.37	0.13	363.0	43	0.27	0.10	363.0
	44	0.31	0.11	363.0	45	0.30	0.11	363.0	46	0.29	0.11	363.0
	47	0.29	0.10	363.0	48	0.34	0.12	363.0	49	0.28	0.10	363.0
	50	0.32	0.12	363.0	51	0.38	0.14	363.0	52	0.28	0.10	363.0
	53	0.18	0.07	363.0	54	0.17	0.06	363.0	55	0.05	0.02	363.0
	56	0.21	0.07	363.0	57	0.23	0.08	363.0	58	0.33	0.12	363.0
	59	0.23	0.08	363.0	60	0.25	0.09	363.0	61	0.21	0.08	363.0
	62	0.26	0.09	363.0	63	0.07	0.03	363.0	64	0.07	0.03	363.0
	65	0.10	0.04	363.0	66	7.14e-03	2.59e-03	363.0	67	0.05	0.02	363.0
	68	0.025	7.72e-03	363.0	69	0.07	0.03	363.0	70	0.17	0.06	363.0
	170	0.28	0.10	363.0	171	0.26	0.09	363.0				
20	41	0.66	0.24	363.0	42	0.47	0.17	363.0	43	0.48	0.17	363.0
	44	0.43	0.16	363.0	45	0.45	0.16	363.0	46	0.42	0.15	363.0
	47	0.40	0.15	363.0	48	0.36	0.13	363.0	49	0.44	0.16	363.0
	50	0.44	0.16	363.0	51	0.62	0.23	363.0	52	0.49	0.18	363.0
	53	0.55	0.20	363.0	54	0.44	0.16	363.0	55	0.06	0.02	363.0
	56	0.25	0.09	363.0	57	0.22	0.08	363.0	58	0.14	0.05	363.0
	59	0.29	0.11	363.0	60	0.29	0.10	363.0	61	0.32	0.12	363.0
	62	0.49	0.18	363.0	63	0.51	0.18	363.0	64	0.50	0.18	363.0
	65	0.45	0.16	363.0	66	0.04	0.01	363.0	67	0.22	0.08	363.0
	68	0.14	0.05	363.0	69	0.29	0.11	363.0	70	0.34	0.12	363.0
	170	0.40	0.15	363.0	171	0.38	0.14	363.0				
21	41	0.44	0.16	363.0	42	0.32	0.12	363.0	43	0.23	0.08	363.0

	44	0.28	0.10	363.0	45	0.26	0.10	363.0	46	0.26	0.09	363.0
	47	0.25	0.09	363.0	48	0.30	0.11	363.0	49	0.24	0.09	363.0
	50	0.28	0.10	363.0	51	0.31	0.11	363.0	52	0.24	0.09	363.0
	53	0.14	0.05	363.0	54	0.15	0.05	363.0	55	0.05	0.02	363.0
	56	0.19	0.07	363.0	57	0.21	0.08	363.0	58	0.31	0.11	363.0
	59	0.21	0.08	363.0	60	0.23	0.08	363.0	61	0.19	0.07	363.0
	62	0.22	0.08	363.0	63	0.02891e-03		363.0	64	0.03968e-03		363.0
	65	0.07	0.03	363.0	66	4.44e-03	1.61e-03	363.0	67	0.03	0.01	363.0
	68	0.02555e-03		363.0	69	0.05	0.02	363.0	70	0.15	0.05	363.0
22	170	0.25	0.09	363.0	171	0.23	0.08	363.0				
	41	0.59	0.21	363.0	42	0.42	0.15	363.0	43	0.44	0.16	363.0
	44	0.39	0.14	363.0	45	0.42	0.15	363.0	46	0.39	0.14	363.0
	47	0.37	0.13	363.0	48	0.33	0.12	363.0	49	0.40	0.14	363.0
	50	0.40	0.15	363.0	51	0.55	0.20	363.0	52	0.44	0.16	363.0
	53	0.50	0.18	363.0	54	0.40	0.15	363.0	55	0.05	0.02	363.0
	56	0.23	0.08	363.0	57	0.20	0.07	363.0	58	0.12	0.04	363.0
	59	0.27	0.10	363.0	60	0.26	0.09	363.0	61	0.29	0.11	363.0
	62	0.44	0.16	363.0	63	0.46	0.17	363.0	64	0.46	0.17	363.0
	65	0.42	0.15	363.0	66	0.04	0.01	363.0	67	0.20	0.07	363.0
	68	0.13	0.05	363.0	69	0.27	0.10	363.0	70	0.31	0.11	363.0
23	170	0.36	0.13	363.0	171	0.35	0.13	363.0				
	41	0.53	0.19	363.0	42	1.29	0.47	363.0	43	1.77	0.64	363.0
	44	1.48	0.54	363.0	45	0.50	0.18	363.0	46	0.47	0.17	363.0
	47	1.78	0.65	363.0	48	2.22	0.81	363.0	49	1.39	0.51	363.0
	50	0.13	0.05	363.0	51	0.59	0.21	363.0	52	0.84	0.30	363.0
	53	0.79	0.29	363.0	54	1.18	0.43	363.0	55	0.08	0.03	363.0
	56	0.45	0.16	363.0	57	2.90	1.05	363.0	58	2.12	0.77	363.0
	59	0.06	0.02	363.0	60	0.07	0.02	363.0	61	0.01405e-03		363.0
	62	0.60	0.22	363.0	63	0.71	0.26	363.0	64	0.70	0.25	363.0
	65	0.65	0.24	363.0	66	0.44	0.16	363.0	67	0.47	0.17	363.0
	68	0.44	0.16	363.0	69	0.46	0.17	363.0	70	0.49	0.18	363.0
24	170	0.47	0.17	363.0	171	0.45	0.17	363.0				
	41	0.42	0.15	363.0	42	1.14	0.42	363.0	43	1.62	0.59	363.0
	44	1.35	0.49	363.0	45	0.32	0.12	363.0	46	0.32	0.12	363.0
	47	1.74	0.63	363.0	48	2.25	0.82	363.0	49	1.45	0.52	363.0
	50	0.14	0.05	363.0	51	0.35	0.13	363.0	52	0.58	0.21	363.0
	53	0.43	0.15	363.0	54	0.89	0.32	363.0	55	0.08	0.03	363.0
	56	0.34	0.12	363.0	57	2.82	1.02	363.0	58	2.06	0.75	363.0
	59	0.07	0.03	363.0	60	0.08	0.03	363.0	61	0.13	0.05	363.0
	62	0.38	0.14	363.0	63	0.27	0.10	363.0	64	0.27	0.10	363.0
	65	0.30	0.11	363.0	66	0.42	0.15	363.0	67	0.30	0.11	363.0
	68	0.30	0.11	363.0	69	0.24	0.09	363.0	70	0.33	0.12	363.0
25	170	0.34	0.12	363.0	171	0.35	0.13	363.0				
	41	0.77	0.28	363.0	42	1.91	0.69	363.0	43	2.57	0.93	363.0
	44	1.97	0.71	363.0	45	0.60	0.22	363.0	46	0.55	0.20	363.0
	47	1.39	0.51	363.0	48	1.52	0.55	363.0	49	0.93	0.34	363.0
	50	0.24	0.09	363.0	51	0.81	0.30	363.0	52	1.23	0.45	363.0
	53	1.06	0.39	363.0	54	1.42	0.52	363.0	55	0.06	0.02	363.0
	56	0.50	0.18	363.0	57	2.28	0.83	363.0	58	1.51	0.55	363.0
	59	0.10	0.04	363.0	60	0.08	0.03	363.0	61	0.11	0.04	363.0
	62	0.82	0.30	363.0	63	0.86	0.31	363.0	64	0.85	0.31	363.0
	65	0.79	0.29	363.0	66	0.40	0.15	363.0	67	0.53	0.19	363.0
	68	0.48	0.17	363.0	69	0.54	0.20	363.0	70	0.58	0.21	363.0
26	170	0.56	0.20	363.0	171	0.53	0.19	363.0				
	41	0.65	0.23	363.0	42	1.76	0.64	363.0	43	2.42	0.88	363.0
	44	1.84	0.67	363.0	45	0.41	0.15	363.0	46	0.39	0.14	363.0
	47	1.34	0.49	363.0	48	1.55	0.56	363.0	49	0.96	0.35	363.0
	50	0.17	0.06	363.0	51	0.57	0.21	363.0	52	0.97	0.35	363.0
	53	0.70	0.25	363.0	54	1.13	0.41	363.0	55	0.05	0.02	363.0
	56	0.39	0.14	363.0	57	2.19	0.80	363.0	58	1.45	0.53	363.0
	59	0.05	0.02	363.0	60	0.05	0.02	363.0	61	0.08	0.03	363.0
	62	0.59	0.22	363.0	63	0.42	0.15	363.0	64	0.42	0.15	363.0
	65	0.43	0.16	363.0	66	0.39	0.14	363.0	67	0.36	0.13	363.0
	68	0.34	0.12	363.0	69	0.32	0.12	363.0	70	0.41	0.15	363.0
	170	0.42	0.15	363.0	171	0.41	0.15	363.0				

Cmb 1000 etaT/h
2.90

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sotto riportate.

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (esprese nel riferimento globale della struttura) per ogni palo componente l'opera.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	codice corrispondente al nome assegnato al tipo di plinto di fondazione: 3) palo singolo (<i>PALO</i>) 4) plinto su palo 5) plinto su due pali (<i>PL.2P</i>) 6) plinto su tre pali (<i>PL.3P</i>) 7) plinto su quattro pali (<i>PL.4P</i>) 8) plinto rettangolare su cinque pali (<i>PL.5P.R</i>) 9) plinto pentagonale su cinque pali (<i>PL.5P</i>) 10) plinto su sei pali (<i>PL.6P</i>)
Palo	numero del palo
Comb.	combinazione di carico in cui si verificano le sei componenti di sollecitazione.
Quota	quota assoluta della sezione del palo per cui si riportano le sei componenti di sollecitazione.

L'azione F_z (corrispondente allo sforzo normale nel palo) è costante poiché il peso del palo stesso non è considerato nella modellazione.

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	Codice identificativo del nome assegnato al plinto
area	area dell'impronta del plinto
Wink O Wink V	coefficienti di Winkler (orizzontale e verticale) adottati
Comb	Combinazione di carico in cui si verificano i valori riportati
Pt (P1 P2 P3 P4)	valori di pressione nei vertici

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

Con riferimento al **Documento di Affidabilità** “*Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST*” - versione Settembre 2014, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
105	PLINTO SUPERFICIALE
106	PLINTO SUPERFICIALE
107	PLINTO SUPERFICIALE
108	PLINTO SUPERFICIALE
109	PLINTO SUPERFICIALE
110	PLINTO SUPERFICIALE
111	PLINTO SUPERFICIALE
112	PLINTO SUPERFICIALE
113	PLINTO SUPERFICIALE
114	PLINTO SUPERFICIALE
115	PLINTO SUPERFICIALE
116	PLINTO SUPERFICIALE
117	PLINTO SUPERFICIALE
118	PLINTO SUPERFICIALE
119	PLINTO SUPERFICIALE
120	PLINTO SUPERFICIALE
121	PLINTO SUPERFICIALE
122	PLINTO SUPERFICIALE
123	PLINTO SUPERFICIALE
124	FONDAZIONE NASTRIFORME
125	CALCOLO DEI K DI WINKLER

Elem.	Cmb	Pt ini N/mm2	Pt fin N/mm2	Pt max N/mm2	Cmb	Pt ini N/mm2	Pt fin N/mm2	Pt max N/mm2	Cmb	Pt ini N/mm2	Pt fin N/mm2	Pt max N/mm2
17	1	-0.09	-0.11	-0.11	2	-0.13	-0.16	-0.16	3	-0.05	-0.05	-0.05
	4	-0.09	-0.11	-0.11	5	-0.07	-0.08	-0.08	6	-0.09	-0.12	-0.12
	7	-0.07	-0.08	-0.08	8	-0.09	-0.11	-0.11	9	-0.07	-0.08	-0.08
	10	-0.08	-0.10	-0.10	11	-0.09	-0.10	-0.10	12	-0.08	-0.11	-0.11
	13	-0.09	-0.10	-0.10	14	-0.08	-0.11	-0.11	15	-0.09	-0.12	-0.12
	16	-0.09	-0.11	-0.11	17	-0.10	-0.12	-0.12	18	-0.09	-0.11	-0.11
	19	-0.09	-0.10	-0.10	20	-0.08	-0.11	-0.11	21	-0.09	-0.10	-0.10
	22	-0.08	-0.11	-0.11	23	-0.09	-0.11	-0.11	24	-0.09	-0.11	-0.11
	25	-0.09	-0.11	-0.11	26	-0.09	-0.11	-0.11				
	21	1	-0.07	-0.09	-0.09	2	-0.08	-0.13	-0.13	3	-0.04	-0.05
4		-0.06	-0.09	-0.09	5	-0.05	-0.07	-0.07	6	-0.06	-0.09	-0.09
7		-0.05	-0.07	-0.07	8	-0.06	-0.09	-0.09	9	-0.05	-0.07	-0.07
10		-0.06	-0.08	-0.08	11	-0.07	-0.09	-0.09	12	-0.05	-0.08	-0.08
13		-0.07	-0.09	-0.09	14	-0.05	-0.08	-0.08	15	-0.06	-0.09	-0.09
16		-0.06	-0.09	-0.09	17	-0.06	-0.10	-0.10	18	-0.06	-0.09	-0.09
19		-0.07	-0.09	-0.09	20	-0.05	-0.08	-0.08	21	-0.07	-0.09	-0.09
22		-0.05	-0.08	-0.08	23	-0.06	-0.09	-0.09	24	-0.06	-0.09	-0.09
25		-0.06	-0.09	-0.09	26	-0.06	-0.09	-0.09				
71		1	-0.06	-0.07	-0.07	2	-0.07	-0.10	-0.10	3	-0.03	-0.04
	4	-0.05	-0.06	-0.06	5	-0.04	-0.05	-0.05	6	-0.05	-0.07	-0.07
	7	-0.04	-0.05	-0.05	8	-0.05	-0.06	-0.06	9	-0.04	-0.05	-0.05
	10	-0.05	-0.06	-0.06	11	-0.05	-0.06	-0.06	12	-0.05	-0.06	-0.06
	13	-0.05	-0.06	-0.06	14	-0.05	-0.06	-0.06	15	-0.06	-0.07	-0.07
	16	-0.04	-0.07	-0.07	17	-0.06	-0.08	-0.08	18	-0.04	-0.07	-0.07
	19	-0.05	-0.06	-0.06	20	-0.05	-0.06	-0.06	21	-0.05	-0.06	-0.06
	22	-0.05	-0.06	-0.06	23	-0.06	-0.07	-0.07	24	-0.04	-0.07	-0.07
	25	-0.06	-0.08	-0.08	26	-0.04	-0.07	-0.07				
	72	1	-0.07	-0.08	-0.08	2	-0.10	-0.10	-0.11	3	-0.04	-0.04
4		-0.06	-0.07	-0.07	5	-0.05	-0.06	-0.06	6	-0.07	-0.08	-0.08
7		-0.05	-0.06	-0.06	8	-0.06	-0.07	-0.07	9	-0.05	-0.06	-0.06
10		-0.06	-0.07	-0.07	11	-0.06	-0.07	-0.07	12	-0.06	-0.07	-0.07
13		-0.06	-0.07	-0.07	14	-0.06	-0.07	-0.07	15	-0.07	-0.08	-0.08
16		-0.07	-0.08	-0.08	17	-0.08	-0.09	-0.09	18	-0.07	-0.08	-0.08
19		-0.06	-0.07	-0.07	20	-0.06	-0.07	-0.07	21	-0.06	-0.07	-0.07
22		-0.06	-0.07	-0.07	23	-0.07	-0.08	-0.08	24	-0.07	-0.08	-0.08
25		-0.08	-0.08	-0.09	26	-0.07	-0.08	-0.08				
73		1	-0.08	-0.07	-0.07	2	-0.10	-0.10	-0.10	3	-0.04	-0.04
	4	-0.07	-0.07	-0.07	5	-0.06	-0.05	-0.06	6	-0.08	-0.07	-0.07
	7	-0.06	-0.05	-0.06	8	-0.07	-0.07	-0.07	9	-0.06	-0.05	-0.06
	10	-0.07	-0.06	-0.07	11	-0.07	-0.06	-0.07	12	-0.07	-0.06	-0.07
	13	-0.07	-0.06	-0.07	14	-0.07	-0.06	-0.07	15	-0.08	-0.08	-0.08
	16	-0.08	-0.07	-0.08	17	-0.09	-0.08	-0.09	18	-0.08	-0.08	-0.08
	19	-0.07	-0.06	-0.07	20	-0.07	-0.06	-0.07	21	-0.07	-0.06	-0.06
	22	-0.07	-0.06	-0.07	23	-0.08	-0.07	-0.08	24	-0.08	-0.07	-0.08
	25	-0.08	-0.08	-0.08	26	-0.08	-0.08	-0.08				
	74	1	-0.05	-0.07	-0.07	2	-0.07	-0.08	-0.08	3	-0.03	-0.04
4		-0.05	-0.06	-0.06	5	-0.04	-0.05	-0.05	6	-0.05	-0.06	-0.06
7		-0.04	-0.05	-0.05	8	-0.05	-0.06	-0.06	9	-0.04	-0.05	-0.05
10		-0.05	-0.06	-0.06	11	-0.05	-0.07	-0.07	12	-0.05	-0.05	-0.05
13		-0.05	-0.07	-0.07	14	-0.05	-0.05	-0.05	15	-0.06	-0.06	-0.06
16		-0.04	-0.05	-0.05	17	-0.06	-0.06	-0.06	18	-0.04	-0.05	-0.05
19		-0.04	-0.06	-0.06	20	-0.05	-0.05	-0.05	21	-0.04	-0.06	-0.06
22		-0.05	-0.05	-0.05	23	-0.05	-0.06	-0.06	24	-0.04	-0.05	-0.05
25		-0.05	-0.06	-0.06	26	-0.04	-0.05	-0.05				
75		1	-0.07	-0.07	-0.07	2	-0.09	-0.09	-0.09	3	-0.04	-0.05
	4	-0.06	-0.06	-0.06	5	-0.05	-0.06	-0.06	6	-0.06	-0.07	-0.07
	7	-0.05	-0.06	-0.06	8	-0.06	-0.06	-0.06	9	-0.05	-0.06	-0.06
	10	-0.06	-0.06	-0.06	11	-0.08	-0.07	-0.08	12	-0.05	-0.06	-0.06
	13	-0.07	-0.07	-0.07	14	-0.05	-0.06	-0.06	15	-0.08	-0.08	-0.08
	16	-0.04	-0.05	-0.05	17	-0.08	-0.08	-0.08	18	-0.05	-0.05	-0.05
	19	-0.07	-0.06	-0.07	20	-0.05	-0.06	-0.06	21	-0.07	-0.06	-0.07
	22	-0.05	-0.06	-0.06	23	-0.07	-0.07	-0.07	24	-0.04	-0.05	-0.05
	25	-0.07	-0.07	-0.07	26	-0.05	-0.05	-0.05				
	76	1	-0.07	-0.05	-0.07	2	-0.10	-0.07	-0.10	3	-0.04	-0.03
4		-0.07	-0.05	-0.07	5	-0.05	-0.04	-0.05	6	-0.07	-0.05	-0.07

	7	-0.05	-0.04	-0.05	8	-0.07	-0.05	-0.07	9	-0.05	-0.04	-0.05
	10	-0.06	-0.05	-0.06	11	-0.06	-0.05	-0.06	12	-0.06	-0.05	-0.06
	13	-0.06	-0.05	-0.06	14	-0.06	-0.05	-0.06	15	-0.08	-0.05	-0.08
	16	-0.07	-0.04	-0.07	17	-0.08	-0.05	-0.08	18	-0.08	-0.04	-0.08
	19	-0.06	-0.05	-0.06	20	-0.06	-0.05	-0.06	21	-0.06	-0.05	-0.06
	22	-0.06	-0.05	-0.06	23	-0.07	-0.05	-0.07	24	-0.07	-0.05	-0.07
77	25	-0.08	-0.05	-0.08	26	-0.08	-0.04	-0.08				
	1	-0.05	-0.05	-0.05	2	-0.07	-0.07	-0.07	3	-0.03	-0.03	-0.03
	4	-0.05	-0.05	-0.05	5	-0.04	-0.04	-0.04	6	-0.05	-0.05	-0.05
	7	-0.04	-0.04	-0.04	8	-0.05	-0.05	-0.05	9	-0.04	-0.04	-0.04
	10	-0.05	-0.05	-0.05	11	-0.05	-0.05	-0.05	12	-0.05	-0.05	-0.05
	13	-0.05	-0.05	-0.05	14	-0.05	-0.05	-0.05	15	-0.05	-0.05	-0.05
	16	-0.04	-0.04	-0.04	17	-0.05	-0.05	-0.05	18	-0.04	-0.04	-0.04
	19	-0.05	-0.05	-0.05	20	-0.05	-0.05	-0.05	21	-0.05	-0.05	-0.05
	22	-0.05	-0.05	-0.05	23	-0.05	-0.05	-0.05	24	-0.05	-0.04	-0.04
	25	-0.05	-0.05	-0.05	26	-0.04	-0.04	-0.04				
78	1	-0.05	-0.07	-0.07	2	-0.07	-0.10	-0.10	3	-0.03	-0.04	-0.04
	4	-0.05	-0.07	-0.07	5	-0.04	-0.05	-0.05	6	-0.05	-0.07	-0.07
	7	-0.04	-0.05	-0.05	8	-0.05	-0.07	-0.07	9	-0.04	-0.05	-0.05
	10	-0.05	-0.06	-0.06	11	-0.05	-0.06	-0.06	12	-0.05	-0.06	-0.06
	13	-0.05	-0.06	-0.06	14	-0.05	-0.06	-0.06	15	-0.05	-0.08	-0.08
	16	-0.04	-0.08	-0.08	17	-0.05	-0.08	-0.08	18	-0.04	-0.07	-0.07
	19	-0.05	-0.06	-0.06	20	-0.05	-0.06	-0.06	21	-0.05	-0.06	-0.06
	22	-0.05	-0.06	-0.06	23	-0.05	-0.08	-0.08	24	-0.04	-0.08	-0.08
	25	-0.05	-0.07	-0.07	26	-0.04	-0.07	-0.07				
79	1	-0.07	-0.07	-0.07	2	-0.10	-0.10	-0.10	3	-0.04	-0.04	-0.04
	4	-0.07	-0.07	-0.07	5	-0.05	-0.05	-0.05	6	-0.07	-0.07	-0.07
	7	-0.05	-0.05	-0.05	8	-0.07	-0.07	-0.07	9	-0.05	-0.05	-0.05
	10	-0.06	-0.06	-0.06	11	-0.06	-0.07	-0.07	12	-0.06	-0.06	-0.06
	13	-0.06	-0.07	-0.07	14	-0.06	-0.06	-0.06	15	-0.08	-0.08	-0.08
	16	-0.08	-0.08	-0.08	17	-0.08	-0.08	-0.08	18	-0.07	-0.08	-0.08
	19	-0.06	-0.07	-0.07	20	-0.06	-0.06	-0.06	21	-0.06	-0.07	-0.07
	22	-0.06	-0.06	-0.06	23	-0.08	-0.08	-0.08	24	-0.08	-0.08	-0.08
	25	-0.07	-0.07	-0.07	26	-0.07	-0.08	-0.08				
80	1	-0.07	-0.07	-0.07	2	-0.10	-0.09	-0.10	3	-0.04	-0.04	-0.04
	4	-0.07	-0.06	-0.07	5	-0.05	-0.05	-0.05	6	-0.07	-0.07	-0.07
	7	-0.05	-0.05	-0.05	8	-0.07	-0.06	-0.07	9	-0.05	-0.05	-0.05
	10	-0.06	-0.06	-0.07	11	-0.07	-0.07	-0.07	12	-0.06	-0.06	-0.06
	13	-0.07	-0.07	-0.07	14	-0.06	-0.06	-0.06	15	-0.08	-0.08	-0.08
	16	-0.08	-0.07	-0.08	17	-0.08	-0.07	-0.08	18	-0.08	-0.07	-0.08
	19	-0.07	-0.06	-0.07	20	-0.06	-0.06	-0.06	21	-0.07	-0.06	-0.07
	22	-0.06	-0.06	-0.06	23	-0.08	-0.07	-0.08	24	-0.08	-0.07	-0.08
	25	-0.07	-0.07	-0.07	26	-0.08	-0.07	-0.08				
81	1	-0.07	-0.07	-0.07	2	-0.09	-0.09	-0.09	3	-0.04	-0.04	-0.04
	4	-0.06	-0.06	-0.06	5	-0.05	-0.05	-0.05	6	-0.07	-0.06	-0.07
	7	-0.05	-0.05	-0.05	8	-0.06	-0.06	-0.06	9	-0.05	-0.05	-0.05
	10	-0.06	-0.06	-0.06	11	-0.07	-0.08	-0.08	12	-0.06	-0.05	-0.06
	13	-0.07	-0.07	-0.07	14	-0.06	-0.05	-0.06	15	-0.08	-0.08	-0.08
	16	-0.07	-0.04	-0.07	17	-0.07	-0.07	-0.07	18	-0.07	-0.05	-0.07
	19	-0.06	-0.07	-0.07	20	-0.06	-0.05	-0.06	21	-0.06	-0.07	-0.07
	22	-0.06	-0.05	-0.06	23	-0.07	-0.07	-0.07	24	-0.07	-0.05	-0.07
	25	-0.07	-0.07	-0.07	26	-0.07	-0.05	-0.07				
84	1	-0.11	-0.13	-0.13	2	-0.16	-0.19	-0.19	3	-0.05	-0.06	-0.06
	4	-0.11	-0.12	-0.12	5	-0.08	-0.09	-0.09	6	-0.12	-0.13	-0.13
	7	-0.08	-0.09	-0.09	8	-0.11	-0.12	-0.12	9	-0.08	-0.09	-0.09
	10	-0.10	-0.12	-0.12	11	-0.10	-0.12	-0.12	12	-0.11	-0.12	-0.12
	13	-0.10	-0.12	-0.12	14	-0.11	-0.12	-0.12	15	-0.12	-0.13	-0.13
	16	-0.11	-0.12	-0.12	17	-0.12	-0.13	-0.13	18	-0.11	-0.12	-0.12
	19	-0.10	-0.12	-0.12	20	-0.11	-0.12	-0.12	21	-0.10	-0.12	-0.12
	22	-0.11	-0.12	-0.12	23	-0.11	-0.12	-0.12	24	-0.11	-0.12	-0.12
	25	-0.11	-0.13	-0.13	26	-0.11	-0.12	-0.12				
85	1	-0.13	-0.07	-0.13	2	-0.19	-0.10	-0.19	3	-0.06	-0.04	-0.06
	4	-0.12	-0.07	-0.12	5	-0.09	-0.05	-0.09	6	-0.13	-0.07	-0.13
	7	-0.09	-0.05	-0.09	8	-0.12	-0.07	-0.12	9	-0.09	-0.05	-0.09
	10	-0.12	-0.06	-0.12	11	-0.12	-0.06	-0.12	12	-0.12	-0.06	-0.12
	13	-0.12	-0.06	-0.12	14	-0.12	-0.06	-0.12	15	-0.13	-0.06	-0.13
	16	-0.12	-0.06	-0.12	17	-0.13	-0.06	-0.13	18	-0.12	-0.06	-0.12
	19	-0.12	-0.06	-0.12	20	-0.12	-0.06	-0.12	21	-0.12	-0.06	-0.12
	22	-0.12	-0.06	-0.12	23	-0.12	-0.06	-0.12	24	-0.12	-0.06	-0.12
	25	-0.13	-0.06	-0.13	26	-0.12	-0.06	-0.12				
86	1	-0.07	-0.07	-0.07	2	-0.10	-0.10	-0.10	3	-0.04	-0.04	-0.04
	4	-0.07	-0.07	-0.07	5	-0.05	-0.05	-0.05	6	-0.07	-0.07	-0.07
	7	-0.05	-0.05	-0.05	8	-0.07	-0.07	-0.07	9	-0.05	-0.05	-0.05
	10	-0.06	-0.06	-0.06	11	-0.06	-0.06	-0.06	12	-0.06	-0.06	-0.06

	13	-0.06	-0.06	-0.06	14	-0.06	-0.06	-0.06	15	-0.06	-0.06	-0.06
	16	-0.06	-0.06	-0.06	17	-0.06	-0.07	-0.07	18	-0.06	-0.06	-0.06
	19	-0.06	-0.06	-0.06	20	-0.06	-0.06	-0.06	21	-0.06	-0.06	-0.06
	22	-0.06	-0.06	-0.06	23	-0.06	-0.06	-0.06	24	-0.06	-0.06	-0.06
	25	-0.06	-0.06	-0.06	26	-0.06	-0.06	-0.06				
87	1	-0.07	-0.15	-0.15	2	-0.10	-0.22	-0.22	3	-0.04	-0.07	-0.07
	4	-0.07	-0.14	-0.14	5	-0.05	-0.11	-0.11	6	-0.07	-0.16	-0.16
	7	-0.05	-0.11	-0.11	8	-0.07	-0.14	-0.14	9	-0.05	-0.11	-0.11
	10	-0.06	-0.14	-0.14	11	-0.06	-0.14	-0.14	12	-0.06	-0.14	-0.14
	13	-0.06	-0.14	-0.14	14	-0.06	-0.14	-0.14	15	-0.06	-0.16	-0.16
	16	-0.06	-0.15	-0.15	17	-0.07	-0.15	-0.15	18	-0.06	-0.15	-0.15
	19	-0.06	-0.14	-0.14	20	-0.06	-0.14	-0.14	21	-0.06	-0.14	-0.14
	22	-0.06	-0.14	-0.14	23	-0.06	-0.15	-0.15	24	-0.06	-0.15	-0.15
	25	-0.06	-0.15	-0.15	26	-0.06	-0.15	-0.15				
88	1	-0.15	-0.12	-0.15	2	-0.22	-0.18	-0.22	3	-0.07	-0.06	-0.07
	4	-0.14	-0.12	-0.14	5	-0.11	-0.09	-0.11	6	-0.16	-0.13	-0.16
	7	-0.11	-0.09	-0.11	8	-0.14	-0.12	-0.14	9	-0.11	-0.09	-0.11
	10	-0.14	-0.11	-0.14	11	-0.14	-0.12	-0.14	12	-0.14	-0.11	-0.14
	13	-0.14	-0.12	-0.14	14	-0.14	-0.11	-0.14	15	-0.16	-0.13	-0.16
	16	-0.15	-0.12	-0.15	17	-0.15	-0.12	-0.15	18	-0.15	-0.12	-0.15
	19	-0.14	-0.12	-0.14	20	-0.14	-0.11	-0.14	21	-0.14	-0.12	-0.14
	22	-0.14	-0.11	-0.14	23	-0.15	-0.13	-0.15	24	-0.15	-0.12	-0.15
	25	-0.15	-0.12	-0.15	26	-0.15	-0.12	-0.15				
89	1	-0.12	-0.08	-0.12	2	-0.18	-0.10	-0.18	3	-0.06	-0.05	-0.06
	4	-0.12	-0.07	-0.12	5	-0.09	-0.06	-0.09	6	-0.13	-0.08	-0.13
	7	-0.09	-0.06	-0.09	8	-0.12	-0.07	-0.12	9	-0.09	-0.06	-0.09
	10	-0.11	-0.07	-0.11	11	-0.12	-0.07	-0.12	12	-0.11	-0.07	-0.11
	13	-0.12	-0.07	-0.12	14	-0.11	-0.07	-0.11	15	-0.13	-0.07	-0.13
	16	-0.12	-0.07	-0.12	17	-0.12	-0.07	-0.12	18	-0.12	-0.07	-0.12
	19	-0.12	-0.07	-0.11	20	-0.11	-0.07	-0.11	21	-0.12	-0.07	-0.11
	22	-0.11	-0.07	-0.11	23	-0.13	-0.07	-0.13	24	-0.12	-0.07	-0.12
	25	-0.12	-0.07	-0.12	26	-0.12	-0.07	-0.12				
90	1	-0.07	-0.07	-0.07	2	-0.08	-0.08	-0.08	3	-0.04	-0.04	-0.04
	4	-0.06	-0.06	-0.06	5	-0.05	-0.05	-0.05	6	-0.06	-0.06	-0.06
	7	-0.05	-0.05	-0.05	8	-0.06	-0.06	-0.06	9	-0.05	-0.05	-0.05
	10	-0.06	-0.06	-0.06	11	-0.07	-0.07	-0.07	12	-0.05	-0.05	-0.05
	13	-0.07	-0.07	-0.07	14	-0.05	-0.05	-0.05	15	-0.06	-0.07	-0.07
	16	-0.05	-0.06	-0.06	17	-0.06	-0.07	-0.07	18	-0.06	-0.06	-0.06
	19	-0.07	-0.07	-0.07	20	-0.05	-0.05	-0.05	21	-0.07	-0.07	-0.07
	22	-0.05	-0.05	-0.05	23	-0.06	-0.06	-0.06	24	-0.06	-0.06	-0.06
	25	-0.06	-0.06	-0.06	26	-0.06	-0.06	-0.06				
91	1	-0.07	-0.07	-0.07	2	-0.08	-0.08	-0.08	3	-0.05	-0.05	-0.05
	4	-0.06	-0.06	-0.06	5	-0.05	-0.05	-0.05	6	-0.06	-0.06	-0.06
	7	-0.05	-0.05	-0.05	8	-0.06	-0.06	-0.06	9	-0.05	-0.05	-0.05
	10	-0.06	-0.06	-0.06	11	-0.06	-0.06	-0.06	12	-0.06	-0.06	-0.06
	13	-0.06	-0.06	-0.06	14	-0.06	-0.06	-0.06	15	-0.06	-0.06	-0.06
	16	-0.07	-0.07	-0.07	17	-0.06	-0.06	-0.06	18	-0.07	-0.07	-0.07
	19	-0.07	-0.07	-0.07	20	-0.06	-0.06	-0.06	21	-0.07	-0.07	-0.07
	22	-0.06	-0.06	-0.06	23	-0.06	-0.06	-0.06	24	-0.07	-0.07	-0.07
	25	-0.06	-0.06	-0.06	26	-0.07	-0.07	-0.07				
92	1	-0.07	-0.08	-0.08	2	-0.08	-0.09	-0.09	3	-0.05	-0.05	-0.05
	4	-0.06	-0.06	-0.06	5	-0.06	-0.06	-0.06	6	-0.06	-0.07	-0.07
	7	-0.06	-0.06	-0.06	8	-0.06	-0.06	-0.06	9	-0.06	-0.06	-0.06
	10	-0.06	-0.06	-0.06	11	-0.06	-0.07	-0.07	12	-0.05	-0.06	-0.06
	13	-0.06	-0.06	-0.06	14	-0.05	-0.06	-0.06	15	-0.04	-0.06	-0.06
	16	-0.07	-0.07	-0.07	17	-0.04	-0.06	-0.06	18	-0.08	-0.07	-0.08
	19	-0.07	-0.07	-0.07	20	-0.05	-0.06	-0.06	21	-0.07	-0.06	-0.07
	22	-0.05	-0.06	-0.06	23	-0.05	-0.06	-0.06	24	-0.07	-0.07	-0.07
	25	-0.04	-0.06	-0.06	26	-0.08	-0.07	-0.08				
93	1	-0.08	-0.08	-0.08	2	-0.10	-0.10	-0.10	3	-0.05	-0.05	-0.05
	4	-0.07	-0.07	-0.07	5	-0.06	-0.06	-0.06	6	-0.08	-0.07	-0.08
	7	-0.06	-0.06	-0.06	8	-0.07	-0.07	-0.07	9	-0.06	-0.06	-0.06
	10	-0.07	-0.07	-0.07	11	-0.07	-0.07	-0.07	12	-0.08	-0.08	-0.08
	13	-0.07	-0.07	-0.07	14	-0.08	-0.08	-0.08	15	-0.10	-0.09	-0.10
	16	-0.06	-0.06	-0.06	17	-0.10	-0.09	-0.10	18	-0.06	-0.06	-0.06
	19	-0.06	-0.06	-0.06	20	-0.08	-0.08	-0.08	21	-0.06	-0.06	-0.06
	22	-0.08	-0.08	-0.08	23	-0.09	-0.08	-0.09	24	-0.06	-0.06	-0.06
	25	-0.09	-0.09	-0.09	26	-0.06	-0.06	-0.06				
94	1	-0.08	-0.08	-0.08	2	-0.09	-0.09	-0.09	3	-0.05	-0.05	-0.05
	4	-0.07	-0.07	-0.07	5	-0.06	-0.06	-0.06	6	-0.07	-0.07	-0.07
	7	-0.06	-0.06	-0.06	8	-0.07	-0.07	-0.07	9	-0.06	-0.06	-0.06
	10	-0.07	-0.06	-0.07	11	-0.07	-0.06	-0.07	12	-0.07	-0.07	-0.07
	13	-0.07	-0.06	-0.07	14	-0.07	-0.07	-0.07	15	-0.07	-0.07	-0.07
	16	-0.07	-0.07	-0.07	17	-0.08	-0.07	-0.08	18	-0.07	-0.07	-0.07

	22	-0.06	-0.07	-0.07	23	-0.07	-0.07	-0.07	24	-0.05	-0.06	-0.06
	25	-0.07	-0.07	-0.07	26	-0.05	-0.06	-0.06				
169	1	-0.08	-0.08	-0.08	2	-0.10	-0.10	-0.10	3	-0.05	-0.05	-0.05
	4	-0.07	-0.07	-0.07	5	-0.06	-0.06	-0.06	6	-0.07	-0.07	-0.07
	7	-0.06	-0.06	-0.06	8	-0.07	-0.07	-0.07	9	-0.06	-0.06	-0.06
	10	-0.07	-0.07	-0.07	11	-0.06	-0.06	-0.06	12	-0.08	-0.09	-0.09
	13	-0.06	-0.06	-0.06	14	-0.08	-0.09	-0.09	15	-0.08	-0.08	-0.08
	16	-0.06	-0.06	-0.06	17	-0.08	-0.08	-0.08	18	-0.06	-0.06	-0.06
	19	-0.06	-0.06	-0.06	20	-0.08	-0.09	-0.09	21	-0.06	-0.06	-0.06
	22	-0.08	-0.09	-0.09	23	-0.07	-0.07	-0.07	24	-0.06	-0.07	-0.07
	25	-0.08	-0.08	-0.08	26	-0.06	-0.06	-0.06				
173	1	-0.06	-0.07	-0.07	2	-0.08	-0.10	-0.10	3	-0.03	-0.04	-0.04
	4	-0.05	-0.07	-0.07	5	-0.04	-0.05	-0.05	6	-0.05	-0.07	-0.07
	7	-0.04	-0.05	-0.05	8	-0.05	-0.07	-0.07	9	-0.04	-0.05	-0.05
	10	-0.05	-0.06	-0.06	11	-0.05	-0.07	-0.07	12	-0.05	-0.06	-0.06
	13	-0.05	-0.07	-0.07	14	-0.05	-0.06	-0.06	15	-0.05	-0.07	-0.07
	16	-0.05	-0.06	-0.06	17	-0.05	-0.07	-0.07	18	-0.05	-0.06	-0.06
	19	-0.05	-0.06	-0.06	20	-0.05	-0.06	-0.06	21	-0.05	-0.06	-0.06
	22	-0.05	-0.06	-0.06	23	-0.05	-0.07	-0.07	24	-0.05	-0.06	-0.06
	25	-0.05	-0.07	-0.07	26	-0.05	-0.06	-0.06				
175	1	-0.06	-0.07	-0.07	2	-0.08	-0.10	-0.10	3	-0.03	-0.04	-0.04
	4	-0.05	-0.07	-0.07	5	-0.04	-0.05	-0.05	6	-0.06	-0.07	-0.07
	7	-0.04	-0.05	-0.05	8	-0.05	-0.07	-0.07	9	-0.04	-0.05	-0.05
	10	-0.05	-0.07	-0.07	11	-0.05	-0.07	-0.07	12	-0.05	-0.07	-0.07
	13	-0.05	-0.07	-0.07	14	-0.05	-0.07	-0.07	15	-0.05	-0.07	-0.07
	16	-0.05	-0.07	-0.07	17	-0.05	-0.07	-0.07	18	-0.05	-0.07	-0.07
	19	-0.05	-0.07	-0.07	20	-0.05	-0.07	-0.07	21	-0.05	-0.07	-0.07
	22	-0.05	-0.07	-0.07	23	-0.05	-0.07	-0.07	24	-0.05	-0.07	-0.07
	25	-0.05	-0.07	-0.07	26	-0.05	-0.07	-0.07				
Elem.	Pt ini	Pt fin	Pt max	Pt ini	Pt fin	Pt max	Pt ini	Pt fin	Pt max	Pt ini	Pt fin	Pt max
	-0.22											
	-0.03											

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

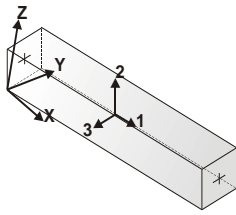
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

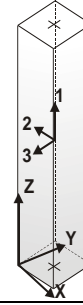
Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
41	1	1.31	-0.26	-2.24e-04	0.0	0.0	-124.67	-1.74	1.13	-0.03	-4.35	1.31
		-5.01	-4.35	2.18e-04	0.0	363.0	-114.05	-1.74	1.13	-0.03	-0.26	-5.01
41	2	2.93	-1.43	-3.26e-04	0.0	0.0	-172.90	-3.14	0.77	0.05	-4.22	2.93
		-8.46	-4.22	4.60e-04	0.0	363.0	-162.28	-3.14	0.77	0.05	-1.43	-8.46
41	3	9.35e-03	0.53	-1.10e-04	0.0	0.0	-66.22	-0.48	1.09	-0.06	-3.42	9.35e-03
		-1.74	-3.42	-1.32e-04	0.0	363.0	-58.05	-0.48	1.09	-0.06	0.53	-1.74
41	4	1.63	-0.65	-2.12e-04	0.0	0.0	-114.45	-1.88	0.73	7.79e-03	-3.29	1.63
		-5.18	-3.29	2.53e-04	0.0	363.0	-106.28	-1.88	0.73	7.79e-03	-0.65	-5.18
41	5	0.87	-0.10	-1.64e-04	0.0	0.0	-91.94	-1.22	0.90	-0.03	-3.35	0.87
		-3.57	-3.35	1.51e-04	0.0	363.0	-83.77	-1.22	0.90	-0.03	-0.10	-3.57
41	6	1.95	-0.88	-2.32e-04	0.0	0.0	-124.09	-2.15	0.66	0.02	-3.27	1.95
		-5.87	-3.27	3.02e-04	0.0	363.0	-115.93	-2.15	0.66	0.02	-0.88	-5.87
41	7	0.87	-0.10	-1.64e-04	0.0	0.0	-91.94	-1.22	0.90	-0.03	-3.35	0.87
		-3.57	-3.35	1.51e-04	0.0	363.0	-83.77	-1.22	0.90	-0.03	-0.10	-3.57
41	8	1.63	-0.65	-2.12e-04	0.0	0.0	-114.45	-1.88	0.73	7.79e-03	-3.29	1.63
		-5.18	-3.29	2.53e-04	0.0	363.0	-106.28	-1.88	0.73	7.79e-03	-0.65	-5.18
41	9	0.87	-0.10	-1.64e-04	0.0	0.0	-91.94	-1.22	0.90	-0.03	-3.35	0.87
		-3.57	-3.35	1.51e-04	0.0	363.0	-83.77	-1.22	0.90	-0.03	-0.10	-3.57
41	10	1.52	-0.57	-2.05e-04	0.0	0.0	-111.23	-1.78	0.75	2.96e-03	-3.30	1.52
		-4.95	-3.30	2.37e-04	0.0	363.0	-103.07	-1.78	0.75	2.96e-03	-0.57	-4.95
41	11	12.49	6.00	1.05e-03	0.0	0.0	-112.19	-7.86	4.53	-0.28	-10.43	12.49
		-16.02	-10.43	-7.09e-04	0.0	363.0	-104.02	-7.86	4.53	-0.28	6.00	-16.02
41	12	8.46	13.21	-1.60e-03	0.0	0.0	-113.85	5.60	-8.12	0.71	13.21	-11.89
		-11.89	-16.25	2.12e-03	0.0	363.0	-105.69	5.60	-8.12	0.71	-16.25	8.46
41	13	10.96	3.64	9.16e-04	0.0	0.0	-113.31	-6.98	3.20	-0.20	-7.99	10.96
		-14.37	-7.99	-4.25e-04	0.0	363.0	-105.14	-6.98	3.20	-0.20	3.64	-14.37
41	14	6.80	10.77	-1.47e-03	0.0	0.0	-112.73	4.72	-6.79	0.63	10.77	-10.35
		-10.35	-13.89	1.84e-03	0.0	363.0	-104.57	4.72	-6.79	0.63	-13.89	6.80
41	15	2.50	20.26	-8.12e-04	0.0	0.0	-121.98	2.43	-12.10	-1.19	20.26	-6.32
		-6.32	-23.66	3.11e-03	0.0	363.0	-113.81	2.43	-12.10	-1.19	-23.66	2.50
41	16	6.92	13.42	3.21e-04	0.0	0.0	-104.06	-4.68	8.51	1.62	-17.49	6.92
		-10.06	-17.49	-1.70e-03	0.0	363.0	-95.89	-4.68	8.51	1.62	13.42	-10.06
41	17	6.55	26.81	-1.23e-03	0.0	0.0	-124.17	4.72	-15.66	-2.02	26.81	-10.60
		-10.60	-30.04	3.99e-03	0.0	363.0	-116.00	4.72	-15.66	-2.02	-30.04	6.55
41	18	11.20	19.79	6.94e-04	0.0	0.0	-101.87	-6.98	12.07	2.46	-24.04	11.20
		-14.12	-24.04	-2.57e-03	0.0	363.0	-93.71	-6.98	12.07	2.46	19.79	-14.12
41	19	13.54	13.49	1.10e-03	0.0	0.0	-108.88	-8.40	8.70	-0.63	-18.10	13.54
		-16.97	-18.10	-1.57e-03	0.0	363.0	-100.71	-8.40	8.70	-0.63	13.49	-16.97
41	20	7.07	11.49	-1.46e-03	0.0	0.0	-113.58	4.84	-7.20	0.64	11.49	-10.50
		-10.50	-14.63	1.92e-03	0.0	363.0	-105.42	4.84	-7.20	0.64	-14.63	7.07
41	21	12.16	11.37	9.81e-04	0.0	0.0	-109.89	-7.62	7.52	-0.56	-15.91	12.16
		-15.48	-15.91	-1.32e-03	0.0	363.0	-101.72	-7.62	7.52	-0.56	11.37	-15.48
41	22	5.58	9.31	-1.34e-03	0.0	0.0	-112.58	4.05	-6.01	0.57	9.31	-9.12
		-9.12	-12.51	1.67e-03	0.0	363.0	-104.41	4.05	-6.01	0.57	-12.51	5.58
41	23	-0.37	9.41	-5.72e-04	0.0	0.0	-117.66	0.81	-6.20	-1.45	9.41	-3.32
		-3.32	-13.11	1.85e-03	0.0	363.0	-109.50	0.81	-6.20	-1.45	-13.11	-0.37
41	24	6.36	11.97	2.84e-04	0.0	0.0	-104.80	-4.38	7.71	1.46	-16.02	6.36
		-9.53	-16.02	-1.50e-03	0.0	363.0	-96.63	-4.38	7.71	1.46	11.97	-9.53
41	25	3.27	15.28	-9.45e-04	0.0	0.0	-119.62	2.87	-9.40	-2.20	15.28	-7.16
		-7.16	-18.82	2.64e-03	0.0	363.0	-111.45	2.87	-9.40	-2.20	-18.82	3.27
41	26	10.20	17.68	6.12e-04	0.0	0.0	-102.84	-6.44	10.90	2.20	-21.89	10.20
		-13.17	-21.89	-2.29e-03	0.0	363.0	-94.68	-6.44	10.90	2.20	17.68	-13.17
42	1	2.73	-0.71	-1.16e-04	0.0	0.0	-149.28	-0.87	0.12	2.93e-03	-1.16	2.73
		-0.42	-1.16	2.24e-04	0.0	363.0	-138.66	-0.87	0.12	2.93e-03	-0.71	-0.42
42	2	4.54	-1.07	-1.71e-04	0.0	0.0	-220.62	-1.55	6.36e-03	0.10	-1.09	4.54
		-1.10	-1.09	4.83e-04	0.0	363.0	-210.00	-1.55	6.36e-03	0.10	-1.07	-1.10
42	3	0.98	-0.32	-5.57e-05	0.0	0.0	-70.93	-0.24	0.17	-0.06	-0.93	0.98
		0.10	-0.93	5.25e-05	0.0	363.0	-62.76	-0.24	0.17	-0.06	-0.32	0.10

42	4	2.79	-0.68	-1.11e-04	0.0	0.0	-142.27	-0.93	0.05	0.04	-0.87	2.79
		-0.58	-0.87	2.72e-04	0.0	363.0	-134.10	-0.93	0.05	0.04	-0.68	-0.58
42	5	1.95	-0.51	-8.50e-05	0.0	0.0	-108.98	-0.61	0.10	-5.49e-03	-0.90	1.95
		-0.26	-0.90	1.53e-04	0.0	363.0	-100.81	-0.61	0.10	-5.49e-03	-0.51	-0.26
42	6	3.15	-0.76	-1.22e-04	0.0	0.0	-156.54	-1.07	0.03	0.06	-0.85	3.15
		-0.72	-0.85	3.24e-04	0.0	363.0	-148.37	-1.07	0.03	0.06	-0.76	-0.72
42	7	1.95	-0.51	-8.50e-05	0.0	0.0	-108.98	-0.61	0.10	-5.49e-03	-0.90	1.95
		-0.26	-0.90	1.53e-04	0.0	363.0	-100.81	-0.61	0.10	-5.49e-03	-0.51	-0.26
42	8	2.79	-0.68	-1.11e-04	0.0	0.0	-142.27	-0.93	0.05	0.04	-0.87	2.79
		-0.58	-0.87	2.72e-04	0.0	363.0	-134.10	-0.93	0.05	0.04	-0.68	-0.58
42	9	1.95	-0.51	-8.50e-05	0.0	0.0	-108.98	-0.61	0.10	-5.49e-03	-0.90	1.95
		-0.26	-0.90	1.53e-04	0.0	363.0	-100.81	-0.61	0.10	-5.49e-03	-0.51	-0.26
42	10	2.67	-0.66	-1.07e-04	0.0	0.0	-137.51	-0.88	0.06	0.03	-0.87	2.67
		-0.54	-0.87	2.54e-04	0.0	363.0	-129.35	-0.88	0.06	0.03	-0.66	-0.54
42	11	14.19	0.51	1.16e-03	0.0	0.0	-138.83	-7.19	0.81	-0.41	-2.43	14.19
		-11.93	-2.43	-1.27e-04	0.0	363.0	-130.66	-7.19	0.81	-0.41	0.51	-11.93
42	12	13.06	2.72	-1.46e-03	0.0	0.0	-137.47	6.63	-1.69	0.86	2.72	-11.02
		-11.02	-3.41	1.20e-03	0.0	363.0	-129.31	6.63	-1.69	0.86	-3.41	13.06
42	13	12.81	0.04	1.02e-03	0.0	0.0	-137.97	-6.45	0.52	-0.29	-1.84	12.81
		-10.60	-1.84	8.00e-05	0.0	363.0	-129.80	-6.45	0.52	-0.29	0.04	-10.60
42	14	11.74	2.14	-1.32e-03	0.0	0.0	-138.34	5.89	-1.40	0.74	2.14	-9.64
		-9.64	-2.93	1.05e-03	0.0	363.0	-130.17	5.89	-1.40	0.74	-2.93	11.74
42	15	6.44	14.08	-6.40e-04	0.0	0.0	-142.18	2.92	-6.54	-2.65	14.08	-4.17
		-4.17	-9.66	5.73e-03	0.0	363.0	-134.01	2.92	-6.54	-2.65	-9.66	6.44
42	16	7.34	6.76	3.40e-04	0.0	0.0	-134.13	-3.48	5.66	3.09	-13.78	7.34
		-5.30	-13.78	-4.65e-03	0.0	363.0	-125.96	-3.48	5.66	3.09	6.76	-5.30
42	17	10.72	21.23	-1.04e-03	0.0	0.0	-144.16	5.27	-9.69	-4.11	21.23	-8.39
		-8.39	-13.96	8.21e-03	0.0	363.0	-136.00	5.27	-9.69	-4.11	-13.96	10.72
42	18	11.56	11.07	7.43e-04	0.0	0.0	-132.14	-5.82	8.81	4.56	-20.93	11.56
		-9.58	-20.93	-7.13e-03	0.0	363.0	-123.97	-5.82	8.81	4.56	11.07	-9.58
42	19	14.95	1.80	1.21e-03	0.0	0.0	-137.55	-7.62	1.62	-0.71	-4.09	14.95
		-12.73	-4.09	-5.96e-04	0.0	363.0	-129.38	-7.62	1.62	-0.71	1.80	-12.73
42	20	11.65	2.35	-1.32e-03	0.0	0.0	-137.48	5.86	-1.51	0.77	2.35	-9.60
		-9.60	-3.12	1.10e-03	0.0	363.0	-129.31	5.86	-1.51	0.77	-3.12	11.65
42	21	13.71	1.38	1.08e-03	0.0	0.0	-136.77	-6.96	1.36	-0.60	-3.57	13.71
		-11.54	-3.57	-4.60e-04	0.0	363.0	-128.61	-6.96	1.36	-0.60	1.38	-11.54
42	22	10.47	1.83	-1.19e-03	0.0	0.0	-138.25	5.19	-1.25	0.67	1.83	-8.37
		-8.37	-2.70	9.69e-04	0.0	363.0	-130.08	5.19	-1.25	0.67	-2.70	10.47
42	23	3.74	10.70	-4.14e-04	0.0	0.0	-140.55	1.45	-4.96	-2.71	10.70	-1.51
		-1.51	-7.31	4.65e-03	0.0	363.0	-132.38	1.45	-4.96	-2.71	-7.31	3.74
42	24	6.86	6.00	2.99e-04	0.0	0.0	-134.48	-3.21	5.08	2.77	-12.44	6.86
		-4.81	-12.44	-4.14e-03	0.0	363.0	-126.31	-3.21	5.08	2.77	6.00	-4.81
42	25	7.57	17.11	-7.68e-04	0.0	0.0	-142.33	3.54	-7.79	-4.02	17.11	-5.30
		-5.30	-11.17	6.87e-03	0.0	363.0	-134.16	3.54	-7.79	-4.02	-11.17	7.57
42	26	10.64	9.85	6.60e-04	0.0	0.0	-132.70	-5.31	7.91	4.09	-18.85	10.64
		-8.64	-18.85	-6.36e-03	0.0	363.0	-124.53	-5.31	7.91	4.09	9.85	-8.64
43	1	-1.69	-0.29	-3.44e-04	0.0	0.0	-223.70	-0.44	-0.05	0.06	-0.29	-1.69
		-3.28	-0.48	2.30e-04	0.0	363.0	-213.08	-0.44	-0.05	0.06	-0.48	-3.28
43	2	-2.27	-0.26	-5.16e-04	0.0	0.0	-335.63	-0.82	-0.07	0.13	-0.26	-2.27
		-5.25	-0.51	4.36e-04	0.0	363.0	-325.02	-0.82	-0.07	0.13	-0.51	-5.25
43	3	-0.94	-0.25	-1.59e-04	0.0	0.0	-103.19	-0.10	-0.03	8.25e-03	-0.25	-0.94
		-1.31	-0.36	5.46e-05	0.0	363.0	-95.03	-0.10	-0.03	8.25e-03	-0.36	-1.31
43	4	-1.52	-0.21	-3.31e-04	0.0	0.0	-215.13	-0.48	-0.05	0.08	-0.21	-1.52
		-3.28	-0.38	2.56e-04	0.0	363.0	-206.96	-0.48	-0.05	0.08	-0.38	-3.28
43	5	-1.25	-0.23	-2.51e-04	0.0	0.0	-162.89	-0.31	-0.04	0.04	-0.23	-1.25
		-2.36	-0.37	1.60e-04	0.0	363.0	-154.73	-0.31	-0.04	0.04	-0.37	-2.36
43	6	-1.64	-0.20	-3.65e-04	0.0	0.0	-237.52	-0.56	-0.05	0.09	-0.20	-1.64
		-3.67	-0.39	2.97e-04	0.0	363.0	-229.35	-0.56	-0.05	0.09	-0.39	-3.67
43	7	-1.25	-0.23	-2.51e-04	0.0	0.0	-162.89	-0.31	-0.04	0.04	-0.23	-1.25
		-2.36	-0.37	1.60e-04	0.0	363.0	-154.73	-0.31	-0.04	0.04	-0.37	-2.36
43	8	-1.52	-0.21	-3.31e-04	0.0	0.0	-215.13	-0.48	-0.05	0.08	-0.21	-1.52
		-3.28	-0.38	2.56e-04	0.0	363.0	-206.96	-0.48	-0.05	0.08	-0.38	-3.28
43	9	-1.25	-0.23	-2.51e-04	0.0	0.0	-162.89	-0.31	-0.04	0.04	-0.23	-1.25
		-2.36	-0.37	1.60e-04	0.0	363.0	-154.73	-0.31	-0.04	0.04	-0.37	-2.36
43	10	-1.48	-0.21	-3.19e-04	0.0	0.0	-207.67	-0.46	-0.05	0.07	-0.21	-1.48
		-3.15	-0.38	2.42e-04	0.0	363.0	-199.50	-0.46	-0.05	0.07	-0.38	-3.15
43	11	10.02	-0.29	9.62e-04	0.0	0.0	-205.70	-6.76	-0.06	-0.14	-0.29	10.02
		-14.52	-0.50	1.11e-04	0.0	363.0	-197.53	-6.76	-0.06	-0.14	-0.50	-14.52
43	12	10.14	0.13	-1.73e-03	0.0	0.0	-209.37	6.90	-0.05	0.37	0.13	-14.90
		-14.90	-0.05	7.58e-04	0.0	363.0	-201.20	6.90	-0.05	0.37	-0.05	10.14
43	13	8.72	-0.22	8.27e-04	0.0	0.0	-206.03	-6.05	-0.07	-0.09	-0.22	8.72
		-13.25	-0.48	1.97e-04	0.0	363.0	-197.86	-6.05	-0.07	-0.09	-0.48	-13.25
43	14	8.87	0.05	-1.59e-03	0.0	0.0	-209.04	6.19	-0.03	0.32	0.05	-13.60
		-13.60	-0.07	6.72e-04	0.0	363.0	-200.88	6.19	-0.03	0.32	-0.07	8.87

43	15	2.74	19.63	-9.07e-04	0.0	0.0	-206.61	2.79	-8.66	-1.32	19.63	-7.38
		-7.38	-11.80	7.48e-03	0.0	363.0	-198.44	2.79	-8.66	-1.32	-11.80	2.74
43	16	2.50	11.24	2.38e-04	0.0	0.0	-208.46	-2.65	8.55	1.56	-19.79	2.50
		-7.13	-19.79	-6.61e-03	0.0	363.0	-200.29	-2.65	8.55	1.56	11.24	-7.13
43	17	6.67	29.26	-1.31e-03	0.0	0.0	-206.64	4.96	-12.94	-1.60	29.26	-11.33
		-11.33	-17.71	0.01	0.0	363.0	-198.47	4.96	-12.94	-1.60	-17.71	6.67
43	18	6.45	17.15	5.77e-04	0.0	0.0	-208.43	-4.82	12.83	1.83	-29.42	6.45
		-11.06	-29.42	-9.82e-03	0.0	363.0	-200.26	-4.82	12.83	1.83	17.15	-11.06
43	19	10.54	-0.53	1.01e-03	0.0	0.0	-206.14	-7.05	-0.04	-0.20	-0.53	10.54
		-15.06	-0.67	-2.20e-04	0.0	363.0	-197.97	-7.05	-0.04	-0.20	-0.67	-15.06
43	20	8.76	0.10	-1.58e-03	0.0	0.0	-209.19	6.14	-0.05	0.34	0.10	-13.51
		-13.51	-0.09	7.05e-04	0.0	363.0	-201.03	6.14	-0.05	0.34	-0.09	8.76
43	21	9.38	-0.46	8.86e-04	0.0	0.0	-206.43	-6.42	-0.06	-0.16	-0.46	9.38
		-13.92	-0.66	-1.43e-04	0.0	363.0	-198.26	-6.42	-0.06	-0.16	-0.66	-13.92
43	22	7.62	0.03	-1.46e-03	0.0	0.0	-208.90	5.50	-0.04	0.30	0.03	-12.35
		-12.35	-0.10	6.28e-04	0.0	363.0	-200.73	5.50	-0.04	0.30	-0.10	7.62
43	23	0.42	17.33	-6.74e-04	0.0	0.0	-206.95	1.51	-7.75	-1.26	17.33	-5.05
		-5.05	-10.80	6.38e-03	0.0	363.0	-198.79	1.51	-7.75	-1.26	-10.80	0.42
43	24	2.08	10.04	2.10e-04	0.0	0.0	-208.38	-2.42	7.66	1.40	-17.76	2.08
		-6.71	-17.76	-5.90e-03	0.0	363.0	-200.21	-2.42	7.66	1.40	10.04	-6.71
43	25	3.94	25.96	-1.04e-03	0.0	0.0	-206.98	3.45	-11.59	-1.50	25.96	-8.59
		-8.59	-16.10	9.26e-03	0.0	363.0	-198.81	3.45	-11.59	-1.50	-16.10	3.94
43	26	5.63	15.34	5.04e-04	0.0	0.0	-208.35	-4.37	11.49	1.64	-26.39	5.63
		-10.24	-26.39	-8.78e-03	0.0	363.0	-200.18	-4.37	11.49	1.64	15.34	-10.24
44	1	7.06	0.70	-2.46e-04	0.0	0.0	-269.01	3.14	-0.28	-0.01	0.70	-4.34
		-4.34	-0.31	2.01e-04	0.0	363.0	-258.40	3.14	-0.28	-0.01	-0.31	7.06
44	2	10.85	1.55	-3.73e-04	0.0	0.0	-404.15	4.84	-0.63	-0.10	1.55	-6.72
		-6.72	-0.72	4.16e-04	0.0	363.0	-393.53	4.84	-0.63	-0.10	-0.72	10.85
44	3	3.10	0.02	-1.12e-04	0.0	0.0	-123.77	1.37	5.64e-04	0.04	0.02	-1.87
		-1.87	0.01	2.15e-05	0.0	363.0	-115.60	1.37	5.64e-04	0.04	0.01	3.10
44	4	6.89	0.87	-2.38e-04	0.0	0.0	-258.91	3.07	-0.35	-0.04	0.87	-4.25
		-4.25	-0.40	2.37e-04	0.0	363.0	-250.74	3.07	-0.35	-0.04	-0.40	6.89
44	5	5.12	0.47	-1.79e-04	0.0	0.0	-195.85	2.28	-0.19	-3.86e-03	0.47	-3.14
		-3.14	-0.20	1.37e-04	0.0	363.0	-187.68	2.28	-0.19	-3.86e-03	-0.20	5.12
44	6	7.65	1.04	-2.63e-04	0.0	0.0	-285.94	3.41	-0.42	-0.06	1.04	-4.73
		-4.73	-0.48	2.81e-04	0.0	363.0	-277.77	3.41	-0.42	-0.06	-0.48	7.65
44	7	5.12	0.47	-1.79e-04	0.0	0.0	-195.85	2.28	-0.19	-3.86e-03	0.47	-3.14
		-3.14	-0.20	1.37e-04	0.0	363.0	-187.68	2.28	-0.19	-3.86e-03	-0.20	5.12
44	8	6.89	0.87	-2.38e-04	0.0	0.0	-258.91	3.07	-0.35	-0.04	0.87	-4.25
		-4.25	-0.40	2.37e-04	0.0	363.0	-250.74	3.07	-0.35	-0.04	-0.40	6.89
44	9	5.12	0.47	-1.79e-04	0.0	0.0	-195.85	2.28	-0.19	-3.86e-03	0.47	-3.14
		-3.14	-0.20	1.37e-04	0.0	363.0	-187.68	2.28	-0.19	-3.86e-03	-0.20	5.12
44	10	6.64	0.81	-2.30e-04	0.0	0.0	-249.90	2.96	-0.32	-0.04	0.81	-4.09
		-4.09	-0.37	2.23e-04	0.0	363.0	-241.73	2.96	-0.32	-0.04	-0.37	6.64
44	11	7.43	1.44	1.07e-03	0.0	0.0	-250.66	-3.35	-0.65	-0.18	1.44	7.43
		-4.72	-0.92	3.44e-04	0.0	363.0	-242.49	-3.35	-0.65	-0.18	-0.92	-4.72
44	12	19.61	2.01	-1.55e-03	0.0	0.0	-249.43	10.16	-0.83	-0.21	2.01	-17.27
		-17.27	-1.02	6.98e-04	0.0	363.0	-241.26	10.16	-0.83	-0.21	-1.02	19.61
44	13	6.18	1.61	9.26e-04	0.0	0.0	-251.16	-2.69	-0.72	-0.20	1.61	6.18
		-3.58	-1.02	4.17e-04	0.0	363.0	-242.99	-2.69	-0.72	-0.20	-1.02	-3.58
44	14	18.47	1.83	-1.42e-03	0.0	0.0	-248.93	9.50	-0.76	-0.19	1.83	-16.02
		-16.02	-0.93	6.25e-04	0.0	363.0	-240.76	9.50	-0.76	-0.19	-0.93	18.47
44	15	11.45	20.02	-7.70e-04	0.0	0.0	-251.15	5.64	-8.67	2.73	20.02	-9.01
		-9.01	-11.43	6.54e-03	0.0	363.0	-242.98	5.64	-8.67	2.73	-11.43	11.45
44	16	3.45	9.49	2.54e-04	0.0	0.0	-248.94	1.18	7.18	-3.12	-16.58	-0.82
		-0.82	-16.58	-5.49e-03	0.0	363.0	-240.77	1.18	7.18	-3.12	9.49	3.45
44	17	15.23	25.09	-1.15e-03	0.0	0.0	-250.61	7.71	-10.74	4.24	25.09	-12.77
		-12.77	-13.91	8.48e-03	0.0	363.0	-242.44	7.71	-10.74	4.24	-13.91	15.23
44	18	2.93	11.97	6.55e-04	0.0	0.0	-249.48	-0.90	9.26	-4.63	-21.65	2.93
		-0.33	-21.65	-7.44e-03	0.0	363.0	-241.31	-0.90	9.26	-4.63	11.97	-0.33
44	19	7.72	0.21	1.12e-03	0.0	0.0	-250.32	-3.50	0.13	0.12	-0.26	7.72
		-5.00	-0.26	-2.03e-04	0.0	363.0	-242.16	-3.50	0.13	0.12	0.21	-5.00
44	20	18.27	1.88	-1.41e-03	0.0	0.0	-249.48	9.41	-0.78	-0.20	1.88	-15.90
		-15.90	-0.95	6.49e-04	0.0	363.0	-241.31	9.41	-0.78	-0.20	-0.95	18.27
44	21	6.60	0.13	9.90e-04	0.0	0.0	-250.77	-2.91	0.07	0.10	-0.11	6.60
		-3.98	-0.11	-1.38e-04	0.0	363.0	-242.61	-2.91	0.07	0.10	0.13	-3.98
44	22	17.25	1.73	-1.29e-03	0.0	0.0	-249.03	8.82	-0.71	-0.18	1.73	-14.79
		-14.79	-0.87	5.84e-04	0.0	363.0	-240.86	8.82	-0.71	-0.18	-0.87	17.25
44	23	9.49	16.40	-5.48e-04	0.0	0.0	-250.76	4.55	-7.05	2.73	16.40	-7.02
		-7.02	-9.20	5.35e-03	0.0	363.0	-242.59	4.55	-7.05	2.73	-9.20	9.49
44	24	3.78	8.47	2.13e-04	0.0	0.0	-249.04	1.36	6.40	-2.81	-14.78	-1.16
		-1.16	-14.78	-4.90e-03	0.0	363.0	-240.87	1.36	6.40	-2.81	8.47	3.78
44	25	12.88	20.94	-8.91e-04	0.0	0.0	-250.28	6.41	-8.92	4.08	20.94	-10.39
		-10.39	-11.42	7.09e-03	0.0	363.0	-242.11	6.41	-8.92	4.08	-11.42	12.88

44	26	2.21	10.69	5.72e-04	0.0	0.0	-249.52	-0.50	8.27	-4.16	-19.32	2.21
		0.39	-19.32	-6.64e-03	0.0	363.0	-241.35	-0.50	8.27	-4.16	10.69	0.39
45	1	8.22	2.86	-2.98e-04	0.0	0.0	-115.25	3.74	-1.18	0.13	2.86	-5.38
		-5.38	-1.43	2.36e-04	0.0	363.0	-104.63	3.74	-1.18	0.13	-1.43	8.22
45	2	12.83	6.52	-4.54e-04	0.0	0.0	-166.83	5.86	-2.95	0.20	6.52	-8.43
		-8.43	-4.18	5.72e-04	0.0	363.0	-156.22	5.86	-2.95	0.20	-4.18	12.83
45	3	3.48	0.59	-1.34e-04	0.0	0.0	-56.91	1.58	0.18	0.06	-0.05	-2.26
		-2.26	-0.05	-3.65e-05	0.0	363.0	-48.74	1.58	0.18	0.06	0.59	3.48
45	4	8.09	3.61	-2.89e-04	0.0	0.0	-108.49	3.69	-1.59	0.13	3.61	-5.31
		-5.31	-2.16	3.11e-04	0.0	363.0	-100.33	3.69	-1.59	0.13	-2.16	8.09
45	5	5.94	1.90	-2.17e-04	0.0	0.0	-84.42	2.71	-0.76	0.10	1.90	-3.88
		-3.88	-0.88	1.54e-04	0.0	363.0	-76.25	2.71	-0.76	0.10	-0.88	5.94
45	6	9.02	4.34	-3.21e-04	0.0	0.0	-118.81	4.11	-1.94	0.14	4.34	-5.92
		-5.92	-2.71	3.78e-04	0.0	363.0	-110.64	4.11	-1.94	0.14	-2.71	9.02
45	7	5.94	1.90	-2.17e-04	0.0	0.0	-84.42	2.71	-0.76	0.10	1.90	-3.88
		-3.88	-0.88	1.54e-04	0.0	363.0	-76.25	2.71	-0.76	0.10	-0.88	5.94
45	8	8.09	3.61	-2.89e-04	0.0	0.0	-108.49	3.69	-1.59	0.13	3.61	-5.31
		-5.31	-2.16	3.11e-04	0.0	363.0	-100.33	3.69	-1.59	0.13	-2.16	8.09
45	9	5.94	1.90	-2.17e-04	0.0	0.0	-84.42	2.71	-0.76	0.10	1.90	-3.88
		-3.88	-0.88	1.54e-04	0.0	363.0	-76.25	2.71	-0.76	0.10	-0.88	5.94
45	10	7.79	3.37	-2.79e-04	0.0	0.0	-105.05	3.55	-1.47	0.12	3.37	-5.11
		-5.11	-1.98	2.89e-04	0.0	363.0	-96.89	3.55	-1.47	0.12	-1.98	7.79
45	11	6.16	6.11	1.00e-03	0.0	0.0	-104.37	-2.62	-2.93	-0.11	6.11	6.16
		-3.35	-4.52	6.61e-04	0.0	363.0	-96.20	-2.62	-2.93	-0.11	-4.52	-3.35
45	12	20.49	7.67	-1.59e-03	0.0	0.0	-110.21	10.59	-3.74	0.41	7.67	-17.97
		-17.97	-5.91	8.55e-04	0.0	363.0	-102.05	10.59	-3.74	0.41	-5.91	20.49
45	13	4.83	6.74	8.75e-04	0.0	0.0	-105.27	-1.86	-3.26	-0.08	6.74	4.83
		-1.91	-5.09	7.45e-04	0.0	363.0	-97.10	-1.86	-3.26	-0.08	-5.09	-1.91
45	14	19.05	7.04	-1.46e-03	0.0	0.0	-109.32	9.83	-3.41	0.37	7.04	-16.64
		-16.64	-5.33	7.70e-04	0.0	363.0	-101.15	9.83	-3.41	0.37	-5.33	19.05
45	15	12.47	19.90	-8.25e-04	0.0	0.0	-119.73	6.14	-9.94	0.77	19.90	-9.84
		-9.84	-16.20	2.82e-03	0.0	363.0	-111.56	6.14	-9.94	0.77	-16.20	12.47
45	16	4.67	5.78	2.09e-04	0.0	0.0	-94.86	1.83	3.28	-0.48	5.78	-1.97
		-1.97	-6.12	-1.31e-03	0.0	363.0	-86.69	1.83	3.28	-0.48	-6.12	4.67
45	17	15.97	21.23	-1.21e-03	0.0	0.0	-122.13	8.12	-10.57	0.99	21.23	-13.52
		-13.52	-17.15	3.10e-03	0.0	363.0	-113.96	8.12	-10.57	0.99	-17.15	15.97
45	18	1.71	6.72	6.17e-04	0.0	0.0	-92.46	-0.15	3.91	-0.70	6.72	1.71
		1.17	-7.45	-1.58e-03	0.0	363.0	-84.29	-0.15	3.91	-0.70	-7.45	1.17
45	19	6.42	1.54	1.06e-03	0.0	0.0	-100.43	-2.76	0.56	-0.13	1.54	6.42
		-3.60	-0.49	-2.19e-04	0.0	363.0	-92.26	-2.76	0.56	-0.13	-0.49	-3.60
45	20	19.17	7.22	-1.45e-03	0.0	0.0	-109.68	9.86	-3.50	0.38	7.22	-16.63
		-16.63	-5.50	7.96e-04	0.0	363.0	-101.51	9.86	-3.50	0.38	-5.50	19.17
45	21	5.23	1.03	9.42e-04	0.0	0.0	-101.23	-2.08	0.26	-0.10	1.03	5.23
		-2.31	0.07	-1.47e-04	0.0	363.0	-93.06	-2.08	0.26	-0.10	0.07	-2.31
45	22	17.88	6.66	-1.34e-03	0.0	0.0	-108.88	9.18	-3.21	0.35	6.66	-15.44
		-15.44	-4.98	7.20e-04	0.0	363.0	-100.71	9.18	-3.21	0.35	-4.98	17.88
45	23	10.58	11.86	-6.01e-04	0.0	0.0	-114.19	5.09	-5.73	0.66	11.86	-7.91
		-7.91	-8.93	1.72e-03	0.0	363.0	-106.02	5.09	-5.73	0.66	-8.93	10.58
45	24	4.99	4.97	1.67e-04	0.0	0.0	-95.92	2.01	2.78	-0.42	4.97	4.99
		-2.30	-5.13	-1.14e-03	0.0	363.0	-87.75	2.01	2.78	-0.42	-5.13	-2.30
45	25	13.72	13.06	-9.45e-04	0.0	0.0	-116.35	6.87	-6.29	0.86	13.06	-11.21
		-11.21	-9.78	1.96e-03	0.0	363.0	-108.18	6.87	-6.29	0.86	-9.78	13.72
45	26	1.85	5.82	5.33e-04	0.0	0.0	-93.76	0.24	3.35	-0.62	5.82	1.85
		1.00	-6.33	-1.39e-03	0.0	363.0	-85.59	0.24	3.35	-0.62	-6.33	1.00
46	1	1.90	2.53	-2.17e-04	0.0	0.0	-115.21	-1.98	-1.01	9.79e-03	2.53	1.90
		-5.30	-1.13	1.74e-04	0.0	363.0	-104.60	-1.98	-1.01	9.79e-03	-1.13	-5.30
46	2	3.29	6.04	-3.17e-04	0.0	0.0	-166.84	-3.25	-2.69	0.03	6.04	3.29
		-8.50	-3.74	4.80e-04	0.0	363.0	-156.23	-3.25	-2.69	0.03	-3.74	-8.50
46	3	0.61	0.73	-1.05e-04	0.0	0.0	-56.85	-0.75	0.26	-3.31e-03	0.73	0.61
		-2.11	-0.21	-6.07e-05	0.0	363.0	-48.69	-0.75	0.26	-3.31e-03	-0.21	-2.11
46	4	2.00	3.29	-2.05e-04	0.0	0.0	-108.48	-2.01	-1.42	0.01	3.29	2.00
		-5.31	-1.87	2.52e-04	0.0	363.0	-100.32	-2.01	-1.42	0.01	-1.87	-5.31
46	5	1.35	1.66	-1.59e-04	0.0	0.0	-84.39	-1.42	-0.64	6.08e-03	1.66	1.35
		-3.81	-0.66	1.09e-04	0.0	363.0	-76.22	-1.42	-0.64	6.08e-03	-0.66	-3.81
46	6	2.27	4.00	-2.25e-04	0.0	0.0	-118.81	-2.26	-1.76	0.02	4.00	2.27
		-5.95	-2.40	3.13e-04	0.0	363.0	-110.64	-2.26	-1.76	0.02	-2.40	-5.95
46	7	1.35	1.66	-1.59e-04	0.0	0.0	-84.39	-1.42	-0.64	6.08e-03	1.66	1.35
		-3.81	-0.66	1.09e-04	0.0	363.0	-76.22	-1.42	-0.64	6.08e-03	-0.66	-3.81
46	8	2.00	3.29	-2.05e-04	0.0	0.0	-108.48	-2.01	-1.42	0.01	3.29	2.00
		-5.31	-1.87	2.52e-04	0.0	363.0	-100.32	-2.01	-1.42	0.01	-1.87	-5.31
46	9	1.35	1.66	-1.59e-04	0.0	0.0	-84.39	-1.42	-0.64	6.08e-03	1.66	1.35
		-3.81	-0.66	1.09e-04	0.0	363.0	-76.22	-1.42	-0.64	6.08e-03	-0.66	-3.81
46	10	1.90	3.06	-1.99e-04	0.0	0.0	-105.04	-1.93	-1.31	0.01	3.06	1.90
		-5.09	-1.70	2.31e-04	0.0	363.0	-96.87	-1.93	-1.31	0.01	-1.70	-5.09

46	11	12.91	7.50	1.03e-03	0.0	0.0	-109.95	-7.99	-3.64	-0.22	7.50	12.91
		-16.11	-5.71	8.33e-04	0.0	363.0	-101.78	-7.99	-3.64	-0.22	-5.71	-16.11
46	12	7.70	5.29	-1.59e-03	0.0	0.0	-103.72	5.18	-2.51	0.33	5.29	-11.10
		-11.10	-3.83	5.25e-04	0.0	363.0	-95.55	5.18	-2.51	0.33	-3.83	7.70
46	13	11.55	7.89	9.05e-04	0.0	0.0	-109.70	-7.22	-3.85	-0.19	7.89	11.55
		-14.64	-6.07	8.83e-04	0.0	363.0	-101.53	-7.22	-3.85	-0.19	-6.07	-14.64
46	14	6.23	4.91	-1.46e-03	0.0	0.0	-103.97	4.40	-2.31	0.29	4.91	-9.75
		-9.75	-3.47	4.74e-04	0.0	363.0	-95.80	4.40	-2.31	0.29	-3.47	6.23
46	15	0.42	18.24	-8.44e-04	0.0	0.0	-117.65	1.29	-8.98	-0.40	18.24	-4.26
		-4.26	-14.36	2.66e-03	0.0	363.0	-109.48	1.29	-8.98	-0.40	-14.36	0.42
46	16	6.06	4.82	3.24e-04	0.0	0.0	-96.02	-4.10	2.83	0.50	-5.45	6.06
		-8.83	-5.45	-1.30e-03	0.0	363.0	-87.85	-4.10	2.83	0.50	4.82	-8.83
46	17	3.99	20.18	-1.25e-03	0.0	0.0	-117.36	3.31	-10.10	-0.17	20.18	-8.03
		-8.03	-16.46	2.83e-03	0.0	363.0	-109.20	3.31	-10.10	-0.17	-16.46	3.99
46	18	9.83	6.92	6.96e-04	0.0	0.0	-96.30	-6.13	3.94	0.27	-7.39	9.83
		-12.40	-7.39	-1.48e-03	0.0	363.0	-88.14	-6.13	3.94	0.27	6.92	-12.40
46	19	13.56	1.06	1.09e-03	0.0	0.0	-106.23	-8.30	-0.23	-0.27	1.06	13.56
		-16.56	0.21	-6.33e-05	0.0	363.0	-98.06	-8.30	-0.23	-0.27	0.21	-16.56
46	20	6.37	5.06	-1.45e-03	0.0	0.0	-103.86	4.44	-2.39	0.29	5.06	-9.76
		-9.76	-3.61	4.94e-04	0.0	363.0	-95.69	4.44	-2.39	0.29	-3.61	6.37
46	21	12.35	1.40	9.79e-04	0.0	0.0	-106.00	-7.60	-0.42	-0.23	1.40	12.35
		-15.25	-0.12	-4.47e-05	0.0	363.0	-97.83	-7.60	-0.42	-0.23	-0.12	-15.25
46	22	5.06	4.72	-1.33e-03	0.0	0.0	-104.08	3.75	-2.20	0.26	4.72	-8.54
		-8.54	-3.29	4.49e-04	0.0	363.0	-95.91	3.75	-2.20	0.26	-3.29	5.06
46	23	-1.75	10.69	-5.86e-04	0.0	0.0	-113.13	0.02	-5.02	-0.43	10.69	-1.82
		-1.82	-7.55	1.61e-03	0.0	363.0	-104.96	0.02	-5.02	-0.43	-7.55	-1.75
46	24	5.63	4.15	2.86e-04	0.0	0.0	-96.95	-3.88	2.40	0.45	-4.57	5.63
		-8.44	-4.57	-1.14e-03	0.0	363.0	-88.79	-3.88	2.40	0.45	4.15	-8.44
46	25	1.46	12.43	-9.53e-04	0.0	0.0	-112.87	1.83	-6.02	-0.22	12.43	-5.20
		-5.20	-9.43	1.76e-03	0.0	363.0	-104.71	1.83	-6.02	-0.22	-9.43	1.46
46	26	9.01	6.03	6.14e-04	0.0	0.0	-97.21	-5.69	3.40	0.24	-6.31	9.01
		-11.65	-6.31	-1.30e-03	0.0	363.0	-89.04	-5.69	3.40	0.24	6.03	-11.65
47	1	0.40	0.69	-2.25e-04	0.0	0.0	-269.46	-0.89	-0.21	0.10	0.69	0.40
		-2.84	-0.09	2.61e-05	0.0	363.0	-258.84	-0.89	-0.21	0.10	-0.09	-2.84
47	2	0.94	1.47	-3.31e-04	0.0	0.0	-404.90	-1.54	-0.52	0.22	1.47	0.94
		-4.66	-0.41	1.51e-04	0.0	363.0	-394.28	-1.54	-0.52	0.22	-0.41	-4.66
47	3	-0.03	0.13	-1.08e-04	0.0	0.0	-123.93	-0.29	0.02	1.69e-03	0.13	-0.03
		-1.06	0.05	-5.68e-05	0.0	363.0	-115.77	-0.29	0.02	1.69e-03	0.05	-1.06
47	4	0.51	0.83	-2.14e-04	0.0	0.0	-259.37	-0.94	-0.28	0.12	0.83	0.51
		-2.88	-0.19	6.82e-05	0.0	363.0	-251.20	-0.94	-0.28	0.12	-0.19	-2.88
47	5	0.26	0.47	-1.65e-04	0.0	0.0	-196.17	-0.63	-0.14	0.07	0.47	0.26
		-2.03	-0.04	-1.27e-05	0.0	363.0	-188.00	-0.63	-0.14	0.07	-0.04	-2.03
47	6	0.62	0.99	-2.35e-04	0.0	0.0	-286.45	-1.07	-0.34	0.15	0.99	0.62
		-3.25	-0.26	9.32e-05	0.0	363.0	-278.29	-1.07	-0.34	0.15	-0.26	-3.25
47	7	0.26	0.47	-1.65e-04	0.0	0.0	-196.17	-0.63	-0.14	0.07	0.47	0.26
		-2.03	-0.04	-1.27e-05	0.0	363.0	-188.00	-0.63	-0.14	0.07	-0.04	-2.03
47	8	0.51	0.83	-2.14e-04	0.0	0.0	-259.37	-0.94	-0.28	0.12	0.83	0.51
		-2.88	-0.19	6.82e-05	0.0	363.0	-251.20	-0.94	-0.28	0.12	-0.19	-2.88
47	9	0.26	0.47	-1.65e-04	0.0	0.0	-196.17	-0.63	-0.14	0.07	0.47	0.26
		-2.03	-0.04	-1.27e-05	0.0	363.0	-188.00	-0.63	-0.14	0.07	-0.04	-2.03
47	10	0.48	0.78	-2.07e-04	0.0	0.0	-250.34	-0.89	-0.26	0.12	0.78	0.48
		-2.76	-0.17	5.98e-05	0.0	363.0	-242.17	-0.89	-0.26	0.12	-0.17	-2.76
47	11	11.45	2.16	1.00e-03	0.0	0.0	-250.07	-6.87	-0.86	0.15	2.16	11.45
		-13.48	-0.97	6.47e-04	0.0	363.0	-241.91	-6.87	-0.86	0.15	-0.97	-13.48
47	12	10.27	1.02	-1.60e-03	0.0	0.0	-251.79	6.33	-0.40	0.33	1.02	-12.72
		-12.72	-0.44	-1.86e-05	0.0	363.0	-243.62	6.33	-0.40	0.33	-0.44	10.27
47	13	10.21	2.22	8.68e-04	0.0	0.0	-249.70	-6.21	-0.89	0.19	2.22	10.21
		-12.34	-1.03	6.45e-04	0.0	363.0	-241.54	-6.21	-0.89	0.19	-1.03	-12.34
47	14	9.13	0.96	-1.46e-03	0.0	0.0	-252.16	5.67	-0.37	0.29	0.96	-11.47
		-11.47	-0.38	2.01e-05	0.0	363.0	-243.99	5.67	-0.37	0.29	-0.38	9.13
47	15	4.39	23.96	-8.17e-04	0.0	0.0	-254.14	2.97	-10.24	-4.10	23.96	-6.39
		-6.39	-13.21	7.73e-03	0.0	363.0	-245.97	2.97	-10.24	-4.10	-13.21	4.39
47	16	5.13	11.80	2.82e-04	0.0	0.0	-247.72	-3.51	8.98	4.59	-20.78	5.13
		-7.60	-20.78	-7.06e-03	0.0	363.0	-239.55	-3.51	8.98	4.59	11.80	-7.60
47	17	8.22	19.69	-1.21e-03	0.0	0.0	-255.12	5.07	-8.51	-2.49	19.69	-10.18
		-10.18	-11.21	6.09e-03	0.0	363.0	-246.95	5.07	-8.51	-2.49	-11.21	8.22
47	18	8.92	9.80	6.49e-04	0.0	0.0	-246.74	-5.61	7.25	2.97	-16.51	8.92
		-11.43	-16.51	-5.42e-03	0.0	363.0	-238.57	-5.61	7.25	2.97	9.80	-11.43
47	19	12.31	0.56	1.06e-03	0.0	0.0	-249.04	-7.37	-0.14	-0.07	0.56	12.31
		-14.44	0.07	9.69e-05	0.0	363.0	-240.87	-7.37	-0.14	-0.07	0.07	-14.44
47	20	8.92	1.00	-1.46e-03	0.0	0.0	-251.64	5.58	-0.39	0.31	1.00	-11.35
		-11.35	-0.41	2.27e-05	0.0	363.0	-243.47	5.58	-0.39	0.31	-0.41	8.92
47	21	11.19	0.61	9.41e-04	0.0	0.0	-248.71	-6.78	-0.16	-0.04	0.61	11.19
		-13.42	0.02	9.54e-05	0.0	363.0	-240.54	-6.78	-0.16	-0.04	0.02	-13.42

47	22	7.89	0.95	-1.33e-03	0.0	0.0	-251.97	4.99	-0.36	0.27	0.95	-10.23
		-10.23	-0.36	2.42e-05	0.0	363.0	-243.80	4.99	-0.36	0.27	-0.36	7.89
47	23	1.57	20.10	-5.74e-04	0.0	0.0	-252.68	1.45	-8.54	-3.89	20.10	-3.69
		-3.69	-10.90	6.44e-03	0.0	363.0	-244.52	1.45	-8.54	-3.89	-10.90	1.57
47	24	4.64	10.56	2.43e-04	0.0	0.0	-247.99	-3.23	8.02	4.12	-18.55	4.64
		-7.10	-18.55	-6.32e-03	0.0	363.0	-239.83	-3.23	8.02	4.12	10.56	-7.10
47	25	5.01	16.28	-9.30e-04	0.0	0.0	-253.56	3.33	-6.99	-2.45	16.28	-7.09
		-7.09	-9.11	4.97e-03	0.0	363.0	-245.40	3.33	-6.99	-2.45	-9.11	5.01
47	26	8.04	8.76	5.68e-04	0.0	0.0	-247.12	-5.12	6.47	2.68	-14.72	8.04
		-10.53	-14.72	-4.85e-03	0.0	363.0	-238.95	-5.12	6.47	2.68	8.76	-10.53
48	1	6.76	0.21	-2.15e-04	0.0	0.0	-222.28	2.42	-0.06	0.06	0.21	-2.02
		-2.02	-1.95e-03	-9.35e-05	0.0	363.0	-211.67	2.42	-0.06	0.06	-1.95e-03	6.76
48	2	10.70	0.37	-3.24e-04	0.0	0.0	-333.99	3.91	-0.09	0.07	0.37	-3.51
		-3.51	0.03	-4.81e-05	0.0	363.0	-323.37	3.91	-0.09	0.07	0.03	10.70
48	3	2.78	0.06	-9.80e-05	0.0	0.0	-102.24	0.94	-0.02	0.05	0.06	-0.64
		-0.64	-0.02	-9.99e-05	0.0	363.0	-94.08	0.94	-0.02	0.05	-0.02	2.78
48	4	6.71	0.22	-2.07e-04	0.0	0.0	-213.95	2.44	-0.06	0.05	0.22	-2.13
		-2.13	0.01	-5.45e-05	0.0	363.0	-205.78	2.44	-0.06	0.05	0.01	6.71
48	5	4.88	0.15	-1.56e-04	0.0	0.0	-161.82	1.74	-0.04	0.05	0.15	-1.43
		-1.43	-4.38e-03	-7.57e-05	0.0	363.0	-153.65	1.74	-0.04	0.05	-4.38e-03	4.88
48	6	7.50	0.26	-2.29e-04	0.0	0.0	-236.29	2.74	-0.07	0.05	0.26	-2.43
		-2.43	0.02	-4.54e-05	0.0	363.0	-228.13	2.74	-0.07	0.05	0.02	7.50
48	7	4.88	0.15	-1.56e-04	0.0	0.0	-161.82	1.74	-0.04	0.05	0.15	-1.43
		-1.43	-4.38e-03	-7.57e-05	0.0	363.0	-153.65	1.74	-0.04	0.05	-4.38e-03	4.88
48	8	6.71	0.22	-2.07e-04	0.0	0.0	-213.95	2.44	-0.06	0.05	0.22	-2.13
		-2.13	0.01	-5.45e-05	0.0	363.0	-205.78	2.44	-0.06	0.05	0.01	6.71
48	9	4.88	0.15	-1.56e-04	0.0	0.0	-161.82	1.74	-0.04	0.05	0.15	-1.43
		-1.43	-4.38e-03	-7.57e-05	0.0	363.0	-153.65	1.74	-0.04	0.05	-4.38e-03	4.88
48	10	6.45	0.21	-2.00e-04	0.0	0.0	-206.50	2.34	-0.06	0.05	0.21	-2.03
		-2.03	9.66e-03	-5.75e-05	0.0	363.0	-198.34	2.34	-0.06	0.05	9.66e-03	6.45
48	11	9.95	1.09	1.15e-03	0.0	0.0	-207.52	-4.24	-0.39	-0.11	1.09	9.95
		-5.43	-0.31	6.72e-04	0.0	363.0	-199.36	-4.24	-0.39	-0.11	-0.31	-5.43
48	12	20.05	0.08	-1.46e-03	0.0	0.0	-204.61	9.87	0.03	0.20	-0.02	-15.76
		-15.76	-0.02	-3.89e-04	0.0	363.0	-196.44	9.87	0.03	0.20	0.08	20.05
48	13	8.61	1.03	1.01e-03	0.0	0.0	-207.23	-3.51	-0.36	-0.08	1.03	8.61
		-4.12	-0.28	6.21e-04	0.0	363.0	-199.06	-3.51	-0.36	-0.08	-0.28	-4.12
48	14	18.74	0.05	-1.33e-03	0.0	0.0	-204.90	9.14	2.19e-03	0.17	0.04	-14.42
		-14.42	0.04	-3.38e-04	0.0	363.0	-196.74	9.14	2.19e-03	0.17	0.05	18.74
48	15	11.59	28.56	-7.14e-04	0.0	0.0	-203.42	5.19	-12.59	2.37	28.56	-7.25
		-7.25	-17.15	9.40e-03	0.0	363.0	-195.26	5.19	-12.59	2.37	-17.15	11.59
48	16	3.03	16.92	3.78e-04	0.0	0.0	-208.71	0.43	12.23	-2.28	-27.48	1.45
		1.45	-27.48	-9.11e-03	0.0	363.0	-200.55	0.43	12.23	-2.28	16.92	3.03
48	17	15.68	19.50	-1.09e-03	0.0	0.0	-203.30	7.45	-8.53	1.98	19.50	-11.36
		-11.36	-11.46	6.50e-03	0.0	363.0	-195.13	7.45	-8.53	1.98	-11.46	15.68
48	18	5.55	11.23	7.74e-04	0.0	0.0	-208.84	-1.82	8.17	-1.89	-18.43	5.55
		-1.06	-18.43	-6.21e-03	0.0	363.0	-200.67	-1.82	8.17	-1.89	11.23	-1.06
48	19	10.28	0.43	1.21e-03	0.0	0.0	-208.20	-4.41	-0.13	-0.08	0.43	10.28
		-5.74	-0.05	2.40e-04	0.0	363.0	-200.03	-4.41	-0.13	-0.08	-0.05	-5.74
48	20	18.64	0.07	-1.32e-03	0.0	0.0	-204.81	9.08	0.02	0.18	1.90e-03	-14.34
		-14.34	1.90e-03	-3.55e-04	0.0	363.0	-196.64	9.08	0.02	0.18	0.07	18.64
48	21	9.08	0.37	1.09e-03	0.0	0.0	-207.94	-3.76	-0.11	-0.06	0.37	9.08
		-4.57	-0.02	1.94e-04	0.0	363.0	-199.77	-3.76	-0.11	-0.06	-0.02	-4.57
48	22	17.47	0.06	-1.20e-03	0.0	0.0	-205.07	8.43	-3.87e-03	0.16	0.06	-13.13
		-13.13	0.04	-3.09e-04	0.0	363.0	-196.90	8.43	-3.87e-03	0.16	0.04	17.47
48	23	9.52	25.04	-4.95e-04	0.0	0.0	-204.53	4.04	-11.07	2.14	25.04	-5.15
		-5.15	-15.15	8.06e-03	0.0	363.0	-196.36	4.04	-11.07	2.14	-15.15	9.52
48	24	3.38	15.17	3.35e-04	0.0	0.0	-208.48	0.63	10.96	-2.04	-24.61	1.09
		1.09	-24.61	-8.17e-03	0.0	363.0	-200.32	0.63	10.96	-2.04	15.17	3.38
48	25	13.18	16.93	-8.22e-04	0.0	0.0	-204.41	6.06	-7.43	1.79	16.93	-8.82
		-8.82	-10.04	5.46e-03	0.0	363.0	-196.24	6.06	-7.43	1.79	-10.04	13.18
48	26	4.77	10.06	6.90e-04	0.0	0.0	-208.60	-1.39	7.32	-1.69	-16.50	4.77
		-0.28	-16.50	-5.58e-03	0.0	363.0	-200.43	-1.39	7.32	-1.69	10.06	-0.28
49	1	2.54	0.11	-2.86e-04	0.0	0.0	-140.27	1.91	-0.02	0.13	0.11	-4.40
		-4.40	0.05	-1.65e-04	0.0	363.0	-129.65	1.91	-0.02	0.13	0.05	2.54
49	2	5.41	0.33	-4.26e-04	0.0	0.0	-202.69	3.72	-0.10	0.15	0.33	-8.08
		-8.08	-0.03	-1.28e-04	0.0	363.0	-192.07	3.72	-0.10	0.15	-0.03	5.41
49	3	0.18	0.08	-1.34e-04	0.0	0.0	-69.49	0.36	0.04	0.08	-0.05	-1.13
		-1.13	-0.05	-1.49e-04	0.0	363.0	-61.32	0.36	0.04	0.08	0.08	0.18
49	4	3.06	0.17	-2.74e-04	0.0	0.0	-131.91	2.17	-0.04	0.11	0.17	-4.80
		-4.80	7.76e-03	-1.13e-04	0.0	363.0	-123.74	2.17	-0.04	0.11	7.76e-03	3.06
49	5	1.72	0.07	-2.09e-04	0.0	0.0	-102.78	1.32	-6.21e-03	0.09	0.07	-3.09
		-3.09	0.04	-1.30e-04	0.0	363.0	-94.61	1.32	-6.21e-03	0.09	0.04	1.72
49	6	3.63	0.21	-3.02e-04	0.0	0.0	-144.39	2.53	-0.06	0.11	0.21	-5.54
		-5.54	-7.28e-03	-1.06e-04	0.0	363.0	-136.22	2.53	-0.06	0.11	-7.28e-03	3.63

49	7	1.72	0.07	-2.09e-04	0.0	0.0	-102.78	1.32	-6.21e-03	0.09	0.07	-3.09
		-3.09	0.04	-1.30e-04	0.0	363.0	-94.61	1.32	-6.21e-03	0.09	0.04	1.72
49	8	3.06	0.17	-2.74e-04	0.0	0.0	-131.91	2.17	-0.04	0.11	0.17	-4.80
		-4.80	7.76e-03	-1.13e-04	0.0	363.0	-123.74	2.17	-0.04	0.11	7.76e-03	3.06
49	9	1.72	0.07	-2.09e-04	0.0	0.0	-102.78	1.32	-6.21e-03	0.09	0.07	-3.09
		-3.09	0.04	-1.30e-04	0.0	363.0	-94.61	1.32	-6.21e-03	0.09	0.04	1.72
49	10	2.87	0.15	-2.65e-04	0.0	0.0	-127.75	2.05	-0.04	0.11	0.15	-4.56
		-4.56	0.01	-1.15e-04	0.0	363.0	-119.58	2.05	-0.04	0.11	0.01	2.87
49	11	9.21	1.13	9.11e-04	0.0	0.0	-134.25	-5.55	-0.45	0.07	1.13	9.21
		-10.94	-0.51	7.04e-04	0.0	363.0	-126.08	-5.55	-0.45	0.07	-0.51	-10.94
49	12	17.61	0.19	-1.64e-03	0.0	0.0	-123.30	10.17	-0.10	0.22	0.19	-19.31
		-19.31	-0.19	-5.48e-04	0.0	363.0	-115.13	10.17	-0.10	0.22	-0.19	17.61
49	13	7.65	1.07	7.75e-04	0.0	0.0	-134.38	-4.70	-0.43	0.08	1.07	7.65
		-9.42	-0.48	6.36e-04	0.0	363.0	-126.22	-4.70	-0.43	0.08	-0.48	-9.42
49	14	16.09	0.24	-1.50e-03	0.0	0.0	-123.17	9.32	-0.13	0.21	0.24	-17.75
		-17.75	-0.22	-4.79e-04	0.0	363.0	-115.00	9.32	-0.13	0.21	-0.22	16.09
49	15	5.43	14.69	-8.74e-04	0.0	0.0	-135.59	3.51	-5.93	5.78	14.69	-7.33
		-7.33	-6.84	6.00e-03	0.0	363.0	-127.42	3.51	-5.93	5.78	-6.84	5.43
49	16	1.24	6.14	1.43e-04	0.0	0.0	-121.96	1.11	5.38	-5.49	-13.37	-2.77
		-2.77	-13.37	-5.84e-03	0.0	363.0	-113.80	1.11	5.38	-5.49	6.14	1.24
49	17	10.25	9.80	-1.27e-03	0.0	0.0	-131.79	6.15	-3.92	4.05	9.80	-12.07
		-12.07	-4.44	3.99e-03	0.0	363.0	-123.63	6.15	-3.92	4.05	-4.44	10.25
49	18	1.97	3.74	5.37e-04	0.0	0.0	-125.76	-1.53	3.37	-3.76	-8.49	1.97
		-3.58	-8.49	-3.84e-03	0.0	363.0	-117.59	-1.53	3.37	-3.76	3.74	-3.58
49	19	8.67	0.20	9.70e-04	0.0	0.0	-131.73	-5.24	0.02	-5.42e-04	0.12	8.67
		-10.35	0.12	2.72e-04	0.0	363.0	-123.56	-5.24	0.02	-5.42e-04	0.20	-10.35
49	20	16.08	0.18	-1.50e-03	0.0	0.0	-123.76	9.33	-0.10	0.21	0.18	-17.78
		-17.78	-0.17	-5.03e-04	0.0	363.0	-115.60	9.33	-0.10	0.21	-0.17	16.08
49	21	7.27	0.22	8.47e-04	0.0	0.0	-131.85	-4.48	0.04	0.01	0.07	7.27
		-8.99	0.07	2.11e-04	0.0	363.0	-123.68	-4.48	0.04	0.01	0.22	-8.99
49	22	14.72	0.23	-1.38e-03	0.0	0.0	-123.64	8.57	-0.12	0.20	0.23	-16.38
		-16.38	-0.19	-4.42e-04	0.0	363.0	-115.48	8.57	-0.12	0.20	-0.19	14.72
49	23	4.32	12.28	-6.30e-04	0.0	0.0	-132.93	2.89	-4.89	5.13	12.28	-6.16
		-6.16	-5.48	5.02e-03	0.0	363.0	-124.76	2.89	-4.89	5.13	-5.48	4.32
49	24	1.41	5.50	1.08e-04	0.0	0.0	-122.56	1.20	4.81	-4.91	-11.97	-2.95
		-2.95	-11.97	-5.25e-03	0.0	363.0	-114.39	1.20	4.81	-4.91	5.50	1.41
49	25	8.65	7.90	-9.83e-04	0.0	0.0	-129.53	5.25	-3.09	3.57	7.90	-10.40
		-10.40	-3.33	3.22e-03	0.0	363.0	-121.36	5.25	-3.09	3.57	-3.33	8.65
49	26	1.29	3.36	4.54e-04	0.0	0.0	-125.97	-1.16	3.02	-3.36	-7.59	1.29
		-2.91	-7.59	-3.45e-03	0.0	363.0	-117.80	-1.16	3.02	-3.36	3.36	-2.91
50	1	4.38	1.12	-3.17e-04	0.0	0.0	-39.08	-1.17	-0.47	0.77	0.37	2.20
		2.20	0.37	-3.03e-04	0.0	363.0	-28.46	-1.17	-0.47	0.77	1.12	4.38
50	2	8.23	1.77	-4.47e-04	0.0	0.0	-51.00	0.44	-0.78	1.10	0.63	0.09
		0.09	0.63	-3.44e-04	0.0	363.0	-40.38	0.44	-0.78	1.10	1.77	8.23
50	3	2.99	0.47	-1.73e-04	0.0	0.0	-22.72	-1.89	-0.17	0.38	0.13	2.99
		1.00	0.13	-2.08e-04	0.0	363.0	-14.56	-1.89	-0.17	0.38	0.47	1.00
50	4	4.85	1.11	-2.94e-04	0.0	0.0	-34.65	-0.28	-0.48	0.72	0.38	0.88
		0.88	0.38	-2.49e-04	0.0	363.0	-26.48	-0.28	-0.48	0.72	1.11	4.85
50	5	3.05	0.81	-2.33e-04	0.0	0.0	-29.08	-1.03	-0.34	0.56	0.27	1.87
		1.87	0.27	-2.29e-04	0.0	363.0	-20.91	-1.03	-0.34	0.56	0.81	3.05
50	6	5.62	1.24	-3.20e-04	0.0	0.0	-37.03	0.04	-0.54	0.79	0.44	0.46
		0.46	0.44	-2.57e-04	0.0	363.0	-28.86	0.04	-0.54	0.79	1.24	5.62
50	7	3.05	0.81	-2.33e-04	0.0	0.0	-29.08	-1.03	-0.34	0.56	0.27	1.87
		1.87	0.27	-2.29e-04	0.0	363.0	-20.91	-1.03	-0.34	0.56	0.81	3.05
50	8	4.85	1.11	-2.94e-04	0.0	0.0	-34.65	-0.28	-0.48	0.72	0.38	0.88
		0.88	0.38	-2.49e-04	0.0	363.0	-26.48	-0.28	-0.48	0.72	1.11	4.85
50	9	3.05	0.81	-2.33e-04	0.0	0.0	-29.08	-1.03	-0.34	0.56	0.27	1.87
		1.87	0.27	-2.29e-04	0.0	363.0	-20.91	-1.03	-0.34	0.56	0.81	3.05
50	10	4.59	1.07	-2.85e-04	0.0	0.0	-33.85	-0.39	-0.46	0.70	0.37	1.02
		1.02	0.37	-2.46e-04	0.0	363.0	-25.68	-0.39	-0.46	0.70	1.07	4.59
50	11	16.33	1.28	1.04e-03	0.0	0.0	-49.62	-10.63	-0.58	1.53	0.53	16.33
		-5.28	0.53	5.33e-04	0.0	363.0	-41.45	-10.63	-0.58	1.53	1.28	-5.28
50	12	15.42	1.42	-1.49e-03	0.0	0.0	-21.63	10.52	-0.74	0.68	0.54	-14.71
		-14.71	0.54	-9.21e-04	0.0	363.0	-13.46	10.52	-0.74	0.68	1.42	15.42
50	13	14.47	1.30	9.11e-04	0.0	0.0	-47.76	-9.36	-0.61	1.51	0.55	14.47
		-3.84	0.55	4.48e-04	0.0	363.0	-39.59	-9.36	-0.61	1.51	1.30	-3.84
50	14	13.97	1.40	-1.36e-03	0.0	0.0	-23.49	9.25	-0.72	0.71	0.53	-12.84
		-12.84	0.53	-8.36e-04	0.0	363.0	-15.32	9.25	-0.72	0.71	1.40	13.97
50	15	10.27	9.90	-9.10e-04	0.0	0.0	-39.41	0.08	-7.19	2.56	5.95	1.91
		1.91	5.95	-5.36e-04	0.0	363.0	-31.24	0.08	-7.19	2.56	9.90	10.27
50	16	-0.14	-4.88	2.59e-04	0.0	0.0	-31.83	-0.20	5.86	-0.35	-4.88	-0.28
		-0.28	-7.20	-5.02e-04	0.0	363.0	-23.67	-0.20	5.86	-0.35	-7.20	-0.14
50	17	12.04	7.47	-1.17e-03	0.0	0.0	-36.06	3.92	-5.32	2.36	4.39	-3.85
		-3.85	4.39	-5.27e-04	0.0	363.0	-27.89	3.92	-5.32	2.36	7.47	12.04

50	18	5.47	-3.31	6.63e-04	0.0	0.0	-35.19	-4.04	4.00	-0.14	-3.31	5.47
		-1.91	-4.77	-2.24e-04	0.0	363.0	-27.02	-4.04	4.00	-0.14	-4.77	-1.91
50	19	15.12	0.76	1.10e-03	0.0	0.0	-44.81	-10.16	-0.21	0.71	0.22	15.12
		-5.11	0.22	3.60e-04	0.0	363.0	-36.64	-10.16	-0.21	0.71	0.76	-5.11
50	20	14.29	1.38	-1.35e-03	0.0	0.0	-22.89	9.39	-0.71	0.68	0.52	-13.08
		-13.08	0.52	-8.51e-04	0.0	363.0	-14.73	9.39	-0.71	0.68	1.38	14.29
50	21	13.45	0.77	9.81e-04	0.0	0.0	-43.14	-9.02	-0.23	0.69	0.23	13.45
		-3.82	0.23	2.83e-04	0.0	363.0	-34.97	-9.02	-0.23	0.69	0.77	-3.82
50	22	13.00	1.37	-1.23e-03	0.0	0.0	-24.56	8.25	-0.69	0.70	0.51	-11.41
		-11.41	0.51	-7.75e-04	0.0	363.0	-16.39	8.25	-0.69	0.70	1.37	13.00
50	23	8.83	8.48	-6.98e-04	0.0	0.0	-35.66	-0.56	-6.13	1.63	5.07	2.19
		2.19	5.07	-5.15e-04	0.0	363.0	-27.49	-0.56	-6.13	1.63	8.48	8.83
50	24	0.35	-4.34	2.19e-04	0.0	0.0	-32.04	-0.22	5.21	-0.24	-4.34	-0.15
		-0.15	-6.34	-4.75e-04	0.0	363.0	-23.88	-0.22	5.21	-0.24	-6.34	0.35
50	25	10.42	6.31	-9.06e-04	0.0	0.0	-32.65	2.88	-4.46	1.45	3.67	-2.97
		-2.97	3.67	-5.23e-04	0.0	363.0	-24.49	2.88	-4.46	1.45	6.31	10.42
50	26	5.01	-2.93	5.81e-04	0.0	0.0	-35.05	-3.66	3.54	-0.06	-2.93	5.01
		-1.24	-4.17	-2.26e-04	0.0	363.0	-26.88	-3.66	3.54	-0.06	-4.17	-1.24
51	1	-34.42	0.77	2.72e-03	0.0	0.0	-90.82	37.62	5.39	-1.22	0.77	-34.42
		-40.99	-12.91	6.98e-04	0.0	363.0	-80.20	37.62	5.39	-1.22	-12.91	-40.99
51	2	-54.66	-2.23	4.45e-03	0.0	0.0	-128.73	60.59	11.09	-1.65	-2.23	-54.66
		-67.88	-22.10	1.39e-03	0.0	363.0	-118.11	60.59	11.09	-1.65	-22.10	-67.88
51	3	-14.02	2.44	1.03e-03	0.0	0.0	-46.54	14.80	0.64	-0.68	2.44	-14.02
		-14.98	-4.27	1.13e-04	0.0	363.0	-38.37	14.80	0.64	-0.68	-4.27	-14.98
51	4	-34.26	-0.56	2.76e-03	0.0	0.0	-84.44	37.77	6.34	-1.11	-0.56	-34.26
		-41.87	-13.47	8.05e-04	0.0	363.0	-76.27	37.77	6.34	-1.11	-13.47	-41.87
51	5	-24.81	0.84	1.95e-03	0.0	0.0	-66.75	27.05	3.68	-0.91	0.84	-24.81
		-29.32	-9.18	4.80e-04	0.0	363.0	-58.59	27.05	3.68	-0.91	-9.18	-29.32
51	6	-38.31	-1.16	3.10e-03	0.0	0.0	-92.02	42.37	7.48	-1.19	-1.16	-38.31
		-47.25	-15.31	9.44e-04	0.0	363.0	-83.86	42.37	7.48	-1.19	-15.31	-47.25
51	7	-24.81	0.84	1.95e-03	0.0	0.0	-66.75	27.05	3.68	-0.91	0.84	-24.81
		-29.32	-9.18	4.80e-04	0.0	363.0	-58.59	27.05	3.68	-0.91	-9.18	-29.32
51	8	-34.26	-0.56	2.76e-03	0.0	0.0	-84.44	37.77	6.34	-1.11	-0.56	-34.26
		-41.87	-13.47	8.05e-04	0.0	363.0	-76.27	37.77	6.34	-1.11	-13.47	-41.87
51	9	-24.81	0.84	1.95e-03	0.0	0.0	-66.75	27.05	3.68	-0.91	0.84	-24.81
		-29.32	-9.18	4.80e-04	0.0	363.0	-58.59	27.05	3.68	-0.91	-9.18	-29.32
51	10	-32.91	-0.36	2.64e-03	0.0	0.0	-81.92	36.24	5.96	-1.08	-0.36	-32.91
		-40.08	-12.85	7.58e-04	0.0	363.0	-73.75	36.24	5.96	-1.08	-12.85	-40.08
51	11	-34.98	-8.87	3.24e-03	0.0	0.0	-92.03	39.23	13.84	-3.25	-9.20	-34.98
		-47.13	-9.20	4.68e-04	0.0	363.0	-83.86	39.23	13.84	-3.25	-8.87	-47.13
51	12	-34.31	15.17	2.19e-03	0.0	0.0	-82.36	38.09	-5.13	-0.73	15.17	-36.49
		-36.49	-23.84	2.31e-03	0.0	363.0	-74.19	38.09	-5.13	-0.73	-23.84	-34.31
51	13	-36.60	-6.91	3.27e-03	0.0	0.0	-93.68	40.69	12.34	-3.16	-6.91	-36.60
		-47.41	-10.95	5.84e-04	0.0	363.0	-85.51	40.69	12.34	-3.16	-10.95	-47.41
51	14	-34.03	12.87	2.16e-03	0.0	0.0	-80.70	36.63	-3.63	-0.82	12.87	-34.86
		-34.86	-21.76	2.06e-03	0.0	363.0	-72.54	36.63	-3.63	-0.82	-21.76	-34.03
51	15	-43.68	21.15	3.08e-03	0.0	0.0	-111.55	50.87	-6.18	-3.49	21.15	-49.64
		-49.64	-32.48	3.30e-03	0.0	363.0	-103.39	50.87	-6.18	-3.49	-32.48	-43.68
51	16	-21.83	-0.23	2.34e-03	0.0	0.0	-62.83	26.44	14.88	-0.49	-15.18	-21.83
		-37.76	-15.18	-1.44e-03	0.0	363.0	-54.66	26.44	14.88	-0.49	-0.23	-37.76
51	17	-43.03	28.14	3.06e-03	0.0	0.0	-116.85	53.49	-10.66	-3.76	28.14	-53.01
		-53.01	-37.36	4.16e-03	0.0	363.0	-108.68	53.49	-10.66	-3.76	-37.36	-43.03
51	18	-18.46	4.66	2.37e-03	0.0	0.0	-57.53	23.83	19.37	-0.22	-22.17	-18.46
		-38.41	-22.17	-2.31e-03	0.0	363.0	-49.37	23.83	19.37	-0.22	4.66	-38.41
51	19	-29.71	-3.01	3.05e-03	0.0	0.0	-81.52	34.59	15.90	-1.39	-14.28	-29.71
		-45.25	-14.28	-1.28e-03	0.0	363.0	-73.35	34.59	15.90	-1.39	-3.01	-45.25
51	20	-34.91	13.56	2.23e-03	0.0	0.0	-82.31	37.90	-3.98	-0.77	13.56	-36.12
		-36.12	-22.70	2.14e-03	0.0	363.0	-74.14	37.90	-3.98	-0.77	-22.70	-34.91
51	21	-31.16	-4.87	3.08e-03	0.0	0.0	-83.00	35.90	14.55	-1.31	-12.23	-31.16
		-45.50	-12.23	-1.03e-03	0.0	363.0	-74.83	35.90	14.55	-1.31	-4.87	-45.50
51	22	-34.66	11.50	2.21e-03	0.0	0.0	-80.83	36.59	-2.64	-0.85	11.50	-34.66
		-34.66	-20.83	1.91e-03	0.0	363.0	-72.66	36.59	-2.64	-0.85	-20.83	-34.66
51	23	-42.16	12.92	2.91e-03	0.0	0.0	-99.02	45.03	-2.04	-1.60	12.92	-42.85
		-42.85	-24.17	2.16e-03	0.0	363.0	-90.86	45.03	-2.04	-1.60	-24.17	-42.16
51	24	-22.98	-1.54	2.37e-03	0.0	0.0	-64.81	27.46	13.96	-0.55	-13.65	-22.98
		-38.00	-13.65	-1.25e-03	0.0	363.0	-56.64	27.46	13.96	-0.55	-1.54	-38.00
51	25	-41.58	19.19	2.89e-03	0.0	0.0	-103.77	47.37	-6.06	-1.85	19.19	-45.87
		-45.87	-28.55	2.85e-03	0.0	363.0	-95.60	47.37	-6.06	-1.85	-28.55	-41.58
51	26	-19.96	2.84	2.39e-03	0.0	0.0	-60.06	25.11	17.98	-0.31	-19.91	-19.96
		-38.58	-19.91	-2.02e-03	0.0	363.0	-51.89	25.11	17.98	-0.31	2.84	-38.58
52	1	8.95	3.40	-1.31e-04	0.0	0.0	-214.30	-4.25	-0.40	-0.15	3.40	8.95
		-6.49	1.93	4.29e-04	0.0	363.0	-203.68	-4.25	-0.40	-0.15	1.93	-6.49
52	2	16.22	5.07	-2.14e-04	0.0	0.0	-325.00	-7.92	-0.52	-0.19	5.07	16.22
		-12.52	3.20	9.16e-04	0.0	363.0	-314.38	-7.92	-0.52	-0.19	3.20	-12.52

52	3	2.41	1.58	-5.22e-05	0.0	0.0	-96.73	-1.02	-0.24	-0.09	1.58	2.41
		-1.27	0.71	-7.18e-05	0.0	363.0	-88.56	-1.02	-0.24	-0.09	0.71	-1.27
52	4	9.68	3.26	-1.33e-04	0.0	0.0	-207.42	-4.68	-0.35	-0.13	3.26	9.68
		-7.31	1.97	5.17e-04	0.0	363.0	-199.26	-4.68	-0.35	-0.13	1.97	-7.31
52	5	6.29	2.47	-9.43e-05	0.0	0.0	-155.76	-2.97	-0.30	-0.11	2.47	6.29
		-4.49	1.38	2.90e-04	0.0	363.0	-147.60	-2.97	-0.30	-0.11	1.38	-4.49
52	6	11.14	3.59	-1.49e-04	0.0	0.0	-229.56	-5.41	-0.38	-0.14	3.59	11.14
		-8.52	2.23	6.14e-04	0.0	363.0	-221.40	-5.41	-0.38	-0.14	2.23	-8.52
52	7	6.29	2.47	-9.43e-05	0.0	0.0	-155.76	-2.97	-0.30	-0.11	2.47	6.29
		-4.49	1.38	2.90e-04	0.0	363.0	-147.60	-2.97	-0.30	-0.11	1.38	-4.49
52	8	9.68	3.26	-1.33e-04	0.0	0.0	-207.42	-4.68	-0.35	-0.13	3.26	9.68
		-7.31	1.97	5.17e-04	0.0	363.0	-199.26	-4.68	-0.35	-0.13	1.97	-7.31
52	9	6.29	2.47	-9.43e-05	0.0	0.0	-155.76	-2.97	-0.30	-0.11	2.47	6.29
		-4.49	1.38	2.90e-04	0.0	363.0	-147.60	-2.97	-0.30	-0.11	1.38	-4.49
52	10	9.20	3.14	-1.27e-04	0.0	0.0	-200.04	-4.44	-0.35	-0.13	3.14	9.20
		-6.91	1.89	4.85e-04	0.0	363.0	-191.88	-4.44	-0.35	-0.13	1.89	-6.91
52	11	13.24	3.82	6.39e-04	0.0	0.0	-204.11	-6.60	-0.68	-0.53	3.82	13.24
		-10.73	1.34	4.51e-04	0.0	363.0	-195.94	-6.60	-0.68	-0.53	1.34	-10.73
52	12	3.11	6.24	-7.40e-04	0.0	0.0	-195.83	-1.12	-2.06	0.19	6.24	3.11
		-0.97	-1.24	1.77e-03	0.0	363.0	-187.67	-1.12	-2.06	0.19	-1.24	-0.97
52	13	12.56	4.33	5.67e-04	0.0	0.0	-204.32	-6.22	-0.95	-0.50	4.33	12.56
		-10.02	0.87	6.39e-04	0.0	363.0	-196.15	-6.22	-0.95	-0.50	0.87	-10.02
52	14	3.79	5.73	-6.69e-04	0.0	0.0	-195.62	-1.50	-1.79	0.15	5.73	3.79
		-1.67	-0.78	1.59e-03	0.0	363.0	-187.45	-1.50	-1.79	0.15	-0.78	-1.67
52	15	3.87	15.98	-5.02e-04	0.0	0.0	-200.02	-1.43	-6.85	-0.72	15.98	3.87
		-1.31	-8.86	4.58e-03	0.0	363.0	-191.85	-1.43	-6.85	-0.72	-8.86	-1.31
52	16	12.48	8.96	4.09e-04	0.0	0.0	-199.92	-6.30	4.10	0.37	-5.93	12.48
		-10.38	-5.93	-2.36e-03	0.0	363.0	-191.75	-6.30	4.10	0.37	8.96	-10.38
52	17	1.76	21.56	-7.43e-04	0.0	0.0	-199.43	-0.25	-9.52	-0.94	21.56	1.76
		0.84	-12.98	6.15e-03	0.0	363.0	-191.27	-0.25	-9.52	-0.94	-12.98	0.84
52	18	14.59	13.08	6.41e-04	0.0	0.0	-200.51	-7.47	6.77	0.60	-11.50	14.59
		-12.53	-11.50	-3.92e-03	0.0	363.0	-192.34	-7.47	6.77	0.60	13.08	-12.53
52	19	14.65	4.69	7.60e-04	0.0	0.0	-203.82	-7.41	1.19	-0.41	0.37	14.65
		-12.23	0.37	-6.88e-04	0.0	363.0	-195.65	-7.41	1.19	-0.41	4.69	-12.23
52	20	3.75	5.92	-6.58e-04	0.0	0.0	-196.27	-1.47	-1.88	0.15	5.92	3.75
		-1.58	-0.91	1.64e-03	0.0	363.0	-188.10	-1.47	-1.88	0.15	-0.91	-1.58
52	21	14.05	4.28	6.95e-04	0.0	0.0	-204.01	-7.07	0.95	-0.38	0.82	14.05
		-11.60	0.82	-5.41e-04	0.0	363.0	-195.84	-7.07	0.95	-0.38	4.28	-11.60
52	22	4.35	5.46	-5.94e-04	0.0	0.0	-196.08	-1.81	-1.64	0.13	5.46	4.35
		-2.22	-0.50	1.47e-03	0.0	363.0	-187.91	-1.81	-1.64	0.13	-0.50	-2.22
52	23	6.26	11.27	-2.63e-04	0.0	0.0	-200.16	-2.77	-4.33	-0.58	11.27	6.26
		-3.80	-4.45	3.03e-03	0.0	363.0	-191.99	-2.77	-4.33	-0.58	-4.45	-3.80
52	24	12.14	8.23	3.74e-04	0.0	0.0	-199.93	-6.10	3.64	0.32	-4.99	12.14
		-10.02	-4.99	-2.06e-03	0.0	363.0	-191.76	-6.10	3.64	0.32	8.23	-10.02
52	25	4.37	16.27	-4.79e-04	0.0	0.0	-199.63	-1.72	-6.73	-0.78	16.27	4.37
		-1.87	-8.14	4.43e-03	0.0	363.0	-191.46	-1.72	-6.73	-0.78	-8.14	-1.87
52	26	14.03	11.92	5.80e-04	0.0	0.0	-200.46	-7.16	6.03	0.52	-9.98	14.03
		-11.95	-9.98	-3.46e-03	0.0	363.0	-192.29	-7.16	6.03	0.52	11.92	-11.95
53	1	2.73	6.81	-3.04e-04	0.0	0.0	-379.93	-3.58	1.59	0.01	1.06	2.73
		-10.25	1.06	5.90e-04	0.0	363.0	-369.32	-3.58	1.59	0.01	6.81	-10.25
53	2	5.38	12.12	-4.34e-04	0.0	0.0	-585.17	-6.15	3.02	0.12	1.17	5.38
		-16.95	1.17	1.14e-03	0.0	363.0	-574.55	-6.15	3.02	0.12	12.12	-16.95
53	3	0.47	1.97	-1.54e-04	0.0	0.0	-165.96	-1.16	0.34	-0.06	0.74	0.47
		-3.76	0.74	1.15e-04	0.0	363.0	-157.79	-1.16	0.34	-0.06	1.97	-3.76
53	4	3.12	7.28	-2.84e-04	0.0	0.0	-371.19	-3.74	1.77	0.05	0.86	3.12
		-10.46	0.86	6.66e-04	0.0	363.0	-363.02	-3.74	1.77	0.05	7.28	-10.46
53	5	1.88	4.80	-2.23e-04	0.0	0.0	-275.42	-2.54	1.10	1.36e-03	0.80	1.88
		-7.33	0.80	4.09e-04	0.0	363.0	-267.25	-2.54	1.10	1.36e-03	4.80	-7.33
53	6	3.65	8.34	-3.10e-04	0.0	0.0	-412.24	-4.26	2.06	0.08	0.88	3.65
		-11.80	0.88	7.76e-04	0.0	363.0	-404.07	-4.26	2.06	0.08	8.34	-11.80
53	7	1.88	4.80	-2.23e-04	0.0	0.0	-275.42	-2.54	1.10	1.36e-03	0.80	1.88
		-7.33	0.80	4.09e-04	0.0	363.0	-267.25	-2.54	1.10	1.36e-03	4.80	-7.33
53	8	3.12	7.28	-2.84e-04	0.0	0.0	-371.19	-3.74	1.77	0.05	0.86	3.12
		-10.46	0.86	6.66e-04	0.0	363.0	-363.02	-3.74	1.77	0.05	7.28	-10.46
53	9	1.88	4.80	-2.23e-04	0.0	0.0	-275.42	-2.54	1.10	1.36e-03	0.80	1.88
		-7.33	0.80	4.09e-04	0.0	363.0	-267.25	-2.54	1.10	1.36e-03	4.80	-7.33
53	10	2.94	6.93	-2.75e-04	0.0	0.0	-357.51	-3.57	1.67	0.05	0.85	2.94
		-10.02	0.85	6.29e-04	0.0	363.0	-349.34	-3.57	1.67	0.05	6.93	-10.02
53	11	8.57	5.88	5.69e-04	0.0	0.0	-354.69	-6.65	1.10	-0.02	1.88	8.57
		-15.56	1.88	7.50e-04	0.0	363.0	-346.52	-6.65	1.10	-0.02	5.88	-15.56
53	12	-3.25	3.86	-1.10e-03	0.0	0.0	-369.77	0.28	-0.13	-0.07	3.86	-4.26
		-4.26	3.39	1.87e-03	0.0	363.0	-361.60	0.28	-0.13	-0.07	3.39	-3.25
53	13	7.92	5.31	5.10e-04	0.0	0.0	-356.24	-6.31	0.80	-0.06	2.41	7.92
		-14.98	2.41	9.44e-04	0.0	363.0	-348.08	-6.31	0.80	-0.06	5.31	-14.98

53	14	-3.62	3.95	-1.02e-03	0.0	0.0	-368.21	-0.06	0.17	-0.04	3.33	-3.62
		-3.83	3.33	1.67e-03	0.0	363.0	-360.04	-0.06	0.17	-0.04	3.95	-3.83
53	15	-1.21	9.48	-8.23e-04	0.0	0.0	-387.21	-1.59	-3.33	0.80	9.48	-1.21
		-6.99	-2.61	4.42e-03	0.0	363.0	-379.04	-1.59	-3.33	0.80	-2.61	-6.99
53	16	5.51	11.87	3.17e-04	0.0	0.0	-337.25	-4.77	4.30	-0.89	-3.73	5.51
		-11.82	-3.73	-1.80e-03	0.0	363.0	-329.08	-4.77	4.30	-0.89	11.87	-11.82
53	17	-3.32	11.67	-1.07e-03	0.0	0.0	-393.05	-0.50	-4.47	1.80	11.67	-3.32
		-5.13	-4.56	5.50e-03	0.0	363.0	-384.88	-0.50	-4.47	1.80	-4.56	-5.13
53	18	7.62	13.83	5.10e-04	0.0	0.0	-331.41	-5.87	5.44	-1.90	-5.92	7.62
		-13.68	-5.92	-2.88e-03	0.0	363.0	-323.24	-5.87	5.44	-1.90	13.83	-13.68
53	19	9.40	10.10	6.52e-04	0.0	0.0	-346.52	-7.02	3.29	0.15	-1.85	9.40
		-16.08	-1.85	-6.48e-04	0.0	363.0	-338.35	-7.02	3.29	0.15	10.10	-16.08
53	20	-3.52	3.76	-1.01e-03	0.0	0.0	-368.50	-0.12	0.06	-0.06	3.55	-3.52
		-3.95	3.55	1.74e-03	0.0	363.0	-360.33	-0.12	0.06	-0.06	3.76	-3.95
53	21	8.82	9.59	5.99e-04	0.0	0.0	-347.92	-6.72	3.02	0.12	-1.38	8.82
		-15.56	-1.38	-5.12e-04	0.0	363.0	-339.75	-6.72	3.02	0.12	9.59	-15.56
53	22	-2.94	4.26	-9.47e-04	0.0	0.0	-367.10	-0.42	0.33	-0.03	3.07	-2.94
		-4.47	3.07	1.57e-03	0.0	363.0	-358.94	-0.42	0.33	-0.03	4.26	-4.47
53	23	0.64	4.96	-5.87e-04	0.0	0.0	-375.67	-2.49	-0.68	0.89	4.96	0.64
		-8.40	2.49	2.80e-03	0.0	363.0	-367.50	-2.49	-0.68	0.89	2.49	-8.40
53	24	5.25	11.36	2.96e-04	0.0	0.0	-339.35	-4.65	4.03	-0.79	-3.26	5.25
		-11.63	-3.26	-1.55e-03	0.0	363.0	-331.18	-4.65	4.03	-0.79	11.36	-11.63
53	25	-1.25	6.92	-8.09e-04	0.0	0.0	-380.91	-1.51	-1.70	1.79	6.92	-1.25
		-6.73	0.74	3.78e-03	0.0	363.0	-372.74	-1.51	-1.70	1.79	0.74	-6.73
53	26	7.13	13.11	4.62e-04	0.0	0.0	-334.11	-5.63	5.05	-1.70	-5.22	7.13
		-13.30	-5.22	-2.52e-03	0.0	363.0	-325.95	-5.63	5.05	-1.70	13.11	-13.30
54	1	6.44	3.72	-2.46e-04	0.0	0.0	-542.31	3.17	0.71	0.01	1.13	-5.09
		-5.09	1.13	4.76e-04	0.0	363.0	-531.70	3.17	0.71	0.01	3.72	6.44
54	2	9.62	6.74	-3.60e-04	0.0	0.0	-850.87	4.79	1.39	-8.03e-03	1.69	-7.77
		-7.77	1.69	9.47e-04	0.0	363.0	-840.25	4.79	1.39	-8.03e-03	6.74	9.62
54	3	3.00	1.00	-1.19e-04	0.0	0.0	-227.28	1.45	0.13	0.02	0.52	-2.26
		-2.26	0.52	7.64e-05	0.0	363.0	-219.11	1.45	0.13	0.02	1.00	3.00
54	4	6.18	4.02	-2.33e-04	0.0	0.0	-535.84	3.06	0.81	1.21e-03	1.08	-4.95
		-4.95	1.08	5.47e-04	0.0	363.0	-527.67	3.06	0.81	1.21e-03	4.02	6.18
54	5	4.69	2.61	-1.80e-04	0.0	0.0	-391.85	2.31	0.49	0.01	0.82	-3.69
		-3.69	0.82	3.28e-04	0.0	363.0	-383.68	2.31	0.49	0.01	2.61	4.69
54	6	6.81	4.63	-2.56e-04	0.0	0.0	-597.55	3.39	0.94	-2.63e-03	1.20	-5.48
		-5.48	1.20	6.41e-04	0.0	363.0	-589.38	3.39	0.94	-2.63e-03	4.63	6.81
54	7	4.69	2.61	-1.80e-04	0.0	0.0	-391.85	2.31	0.49	0.01	0.82	-3.69
		-3.69	0.82	3.28e-04	0.0	363.0	-383.68	2.31	0.49	0.01	2.61	4.69
54	8	6.18	4.02	-2.33e-04	0.0	0.0	-535.84	3.06	0.81	1.21e-03	1.08	-4.95
		-4.95	1.08	5.47e-04	0.0	363.0	-527.67	3.06	0.81	1.21e-03	4.02	6.18
54	9	4.69	2.61	-1.80e-04	0.0	0.0	-391.85	2.31	0.49	0.01	0.82	-3.69
		-3.69	0.82	3.28e-04	0.0	363.0	-383.68	2.31	0.49	0.01	2.61	4.69
54	10	5.96	3.82	-2.25e-04	0.0	0.0	-515.27	2.96	0.76	2.49e-03	1.05	-4.77
		-4.77	1.05	5.16e-04	0.0	363.0	-507.10	2.96	0.76	2.49e-03	3.82	5.96
54	11	1.64	3.23	5.07e-04	0.0	0.0	-515.51	-0.49	0.41	-0.06	1.73	1.64
		-0.16	1.73	6.61e-04	0.0	363.0	-507.34	-0.49	0.41	-0.06	3.23	-0.16
54	12	14.07	3.59	-1.02e-03	0.0	0.0	-519.50	7.44	-0.66	0.32	3.59	-12.92
		-12.92	3.59	1.37e-03	0.0	363.0	-511.33	7.44	-0.66	0.32	1.18	14.07
54	13	0.90	2.82	4.42e-04	0.0	0.0	-515.90	-0.06	0.18	2.49e-03	2.15	0.90
		0.67	2.15	7.97e-04	0.0	363.0	-507.74	-0.06	0.18	2.49e-03	2.82	0.67
54	14	13.24	3.18	-9.59e-04	0.0	0.0	-519.10	7.00	-0.44	0.26	3.18	-12.18
		-12.18	3.18	1.24e-03	0.0	363.0	-510.94	7.00	-0.44	0.26	1.60	13.24
54	15	11.66	20.33	-6.37e-04	0.0	0.0	-527.83	5.89	-8.78	0.25	20.33	-9.71
		-9.71	20.33	5.68e-03	0.0	363.0	-519.66	5.89	-8.78	0.25	-11.55	11.66
54	16	2.26	15.97	7.53e-05	0.0	0.0	-507.18	1.05	8.53	0.01	-15.01	-1.57
		-1.57	-15.01	-3.65e-03	0.0	363.0	-499.01	1.05	8.53	0.01	15.97	2.26
54	17	14.30	23.42	-8.62e-04	0.0	0.0	-530.29	7.29	-10.28	0.28	23.42	-12.16
		-12.16	23.42	6.65e-03	0.0	363.0	-522.13	7.29	-10.28	0.28	-13.89	14.30
54	18	0.88	18.30	3.05e-04	0.0	0.0	-504.71	-0.35	10.03	-0.02	-18.10	0.88
		-0.39	-18.10	-4.62e-03	0.0	363.0	-496.55	-0.35	10.03	-0.02	18.30	-0.39
54	19	2.54	6.19	5.71e-04	0.0	0.0	-511.48	-1.06	2.05	-0.29	-1.24	2.54
		-1.30	-1.24	-3.62e-04	0.0	363.0	-503.31	-1.06	2.05	-0.29	6.19	-1.30
54	20	13.23	3.33	-9.42e-04	0.0	0.0	-519.06	6.97	-0.52	0.29	3.33	-12.07
		-12.07	3.33	1.28e-03	0.0	363.0	-510.89	6.97	-0.52	0.29	1.46	13.23
54	21	1.88	5.82	5.12e-04	0.0	0.0	-511.83	-0.67	1.84	-0.23	-0.86	1.88
		-0.56	-0.86	-2.74e-04	0.0	363.0	-503.67	-0.67	1.84	-0.23	5.82	-0.56
54	22	12.49	2.95	-8.83e-04	0.0	0.0	-518.71	6.59	-0.31	0.24	2.95	-11.42
		-11.42	2.95	1.16e-03	0.0	363.0	-510.54	6.59	-0.31	0.24	1.83	12.49
54	23	9.29	15.44	-4.58e-04	0.0	0.0	-522.52	4.66	-6.20	-6.11e-03	15.44	-7.63
		-7.63	15.44	4.25e-03	0.0	363.0	-514.35	4.66	-6.20	-6.11e-03	-7.06	9.29
54	24	2.64	14.71	4.86e-05	0.0	0.0	-508.02	1.25	7.73	0.01	-13.35	-1.90
		-1.90	-13.35	-3.22e-03	0.0	363.0	-499.85	1.25	7.73	0.01	14.71	2.64

54	25	11.66	18.21	-6.60e-04	0.0	0.0	-524.73	5.92	-7.54	0.02	18.21	-9.83
		-9.83	-9.16	5.12e-03	0.0	363.0	-516.56	5.92	-7.54	0.02	-9.16	11.66
54	26	0.29	16.80	2.54e-04	0.0	0.0	-505.81	-6.62e-03	9.07	-0.02	-16.11	0.29
		0.27	-16.11	-4.09e-03	0.0	363.0	-497.64	-6.62e-03	9.07	-0.02	16.80	0.27
55	1	0.90	1.52	-9.35e-05	0.0	0.0	-16.95	-0.79	-1.48	-0.15	1.52	0.82
		0.82	1.01	-9.90e-05	0.0	363.0	-6.34	-0.79	-1.48	-0.15	1.01	0.90
55	2	1.29	1.80	-1.24e-04	0.0	0.0	-22.01	-0.98	-1.80	-0.26	1.80	0.99
		0.99	1.37	-8.97e-05	0.0	363.0	-11.39	-0.98	-1.80	-0.26	1.37	1.29
55	3	0.53	1.00	-5.29e-05	0.0	0.0	-9.93	-0.49	-0.94	-0.05	1.00	0.53
		0.45	0.55	-8.41e-05	0.0	363.0	-1.77	-0.49	-0.94	-0.05	0.55	0.45
55	4	0.84	1.28	-8.38e-05	0.0	0.0	-14.98	-0.68	-1.26	-0.16	1.28	0.70
		0.70	0.92	-7.20e-05	0.0	363.0	-6.82	-0.68	-1.26	-0.16	0.92	0.84
55	5	0.66	1.15	-6.94e-05	0.0	0.0	-12.63	-0.59	-1.11	-0.11	1.15	0.62
		0.62	0.74	-7.70e-05	0.0	363.0	-4.46	-0.59	-1.11	-0.11	0.74	0.66
55	6	0.92	1.34	-9.00e-05	0.0	0.0	-15.99	-0.72	-1.33	-0.18	1.34	0.73
		0.73	0.99	-6.98e-05	0.0	363.0	-7.83	-0.72	-1.33	-0.18	0.99	0.92
55	7	0.66	1.15	-6.94e-05	0.0	0.0	-12.63	-0.59	-1.11	-0.11	1.15	0.62
		0.62	0.74	-7.70e-05	0.0	363.0	-4.46	-0.59	-1.11	-0.11	0.74	0.66
55	8	0.84	1.28	-8.38e-05	0.0	0.0	-14.98	-0.68	-1.26	-0.16	1.28	0.70
		0.70	0.92	-7.20e-05	0.0	363.0	-6.82	-0.68	-1.26	-0.16	0.92	0.84
55	9	0.66	1.15	-6.94e-05	0.0	0.0	-12.63	-0.59	-1.11	-0.11	1.15	0.62
		0.62	0.74	-7.70e-05	0.0	363.0	-4.46	-0.59	-1.11	-0.11	0.74	0.66
55	10	0.82	1.26	-8.18e-05	0.0	0.0	-14.65	-0.67	-1.24	-0.15	1.26	0.69
		0.69	0.89	-7.27e-05	0.0	363.0	-6.48	-0.67	-1.24	-0.15	0.89	0.82
55	11	0.45	0.77	7.98e-05	0.0	0.0	-15.91	0.15	1.46	0.24	-1.23	-0.23
		-0.23	-1.23	3.30e-04	0.0	363.0	-7.74	0.15	1.46	0.24	0.77	0.45
55	12	1.37	1.83	-1.71e-04	0.0	0.0	-17.02	-1.62	-1.73	0.42	1.83	1.37
		0.17	1.14	-2.12e-04	0.0	363.0	-8.85	-1.62	-1.73	0.42	1.14	0.17
55	13	0.47	0.78	6.50e-05	0.0	0.0	-16.42	0.09	1.38	0.25	-1.15	-0.17
		-0.17	-1.15	3.00e-04	0.0	363.0	-8.26	0.09	1.38	0.25	0.78	0.47
55	14	1.31	1.76	-1.56e-04	0.0	0.0	-16.51	-1.56	-1.65	0.42	1.76	1.31
		0.15	1.13	-1.91e-04	0.0	363.0	-8.34	-1.56	-1.65	0.42	1.13	0.15
55	15	0.29	1.38	1.60e-05	0.0	0.0	-19.73	-0.90	2.36	1.44	-1.86	0.29
		-0.83	-1.86	4.63e-04	0.0	363.0	-11.56	-0.90	2.36	1.44	1.38	-0.83
55	16	1.45	2.47	-1.33e-04	0.0	0.0	-13.21	-0.57	-2.63	-0.77	2.47	0.85
		0.85	0.53	-3.11e-04	0.0	363.0	-5.04	-0.57	-2.63	-0.77	0.53	1.45
55	17	0.48	1.38	-5.84e-05	0.0	0.0	-20.40	-1.15	2.12	1.53	-1.64	0.48
		-0.93	-1.64	3.69e-04	0.0	363.0	-12.23	-1.15	2.12	1.53	1.38	-0.93
55	18	1.55	2.24	-1.00e-04	0.0	0.0	-12.53	-0.32	-2.39	-0.87	2.24	0.65
		0.65	0.53	-2.31e-04	0.0	363.0	-4.36	-0.32	-2.39	-0.87	0.53	1.55
55	19	1.40	0.75	6.61e-05	0.0	0.0	-12.52	0.18	-0.80	-0.66	0.75	0.07
		0.07	0.67	1.86e-04	0.0	363.0	-4.35	0.18	-0.80	-0.66	0.67	1.40
55	20	1.30	1.78	-1.59e-04	0.0	0.0	-16.77	-1.52	-1.68	0.36	1.78	1.30
		0.24	1.11	-1.96e-04	0.0	363.0	-8.61	-1.52	-1.68	0.36	1.11	0.24
55	21	1.41	0.82	5.27e-05	0.0	0.0	-12.98	0.13	-0.87	-0.66	0.82	0.13
		0.13	0.67	1.60e-04	0.0	363.0	-4.81	0.13	-0.87	-0.66	0.67	1.41
55	22	1.24	1.71	-1.46e-04	0.0	0.0	-16.32	-1.47	-1.61	0.36	1.71	1.24
		0.22	1.11	-1.78e-04	0.0	363.0	-8.15	-1.47	-1.61	0.36	1.11	0.22
55	23	0.54	1.22	-3.67e-05	0.0	0.0	-15.94	-0.76	8.22e-03	0.41	0.18	0.54
		0.25	0.18	3.06e-04	0.0	363.0	-7.77	-0.76	8.22e-03	0.41	1.22	0.25
55	24	1.38	2.35	-1.28e-04	0.0	0.0	-13.36	-0.58	-2.49	-0.71	2.35	0.83
		0.83	0.57	-2.81e-04	0.0	363.0	-5.19	-0.58	-2.49	-0.71	0.57	1.38
55	25	0.72	1.21	-6.54e-05	0.0	0.0	-16.55	-0.99	-0.21	0.49	0.38	0.72
		0.16	0.38	2.22e-04	0.0	363.0	-8.38	-0.99	-0.21	0.49	1.21	0.16
55	26	1.48	2.14	-9.83e-05	0.0	0.0	-12.75	-0.35	-2.27	-0.79	2.14	0.66
		0.66	0.57	-2.12e-04	0.0	363.0	-4.58	-0.35	-2.27	-0.79	0.57	1.48
56	1	15.26	2.05	4.49e-04	0.0	0.0	-382.82	-11.16	-0.99	0.07	2.05	15.26
		-25.24	-1.55	1.52e-04	0.0	363.0	-372.20	-11.16	-0.99	0.07	-1.55	-25.24
56	2	25.24	3.37	7.57e-04	0.0	0.0	-583.85	-18.27	-1.59	0.09	3.37	25.24
		-41.09	-2.39	4.25e-04	0.0	363.0	-573.23	-18.27	-1.59	0.09	-2.39	-41.09
56	3	5.60	0.76	1.59e-04	0.0	0.0	-170.76	-4.21	-0.39	0.04	0.76	5.60
		-9.67	-0.67	-5.18e-05	0.0	363.0	-162.59	-4.21	-0.39	0.04	-0.67	-9.67
56	4	15.58	2.08	4.62e-04	0.0	0.0	-371.79	-11.32	-0.99	0.06	2.08	15.58
		-25.51	-1.51	2.22e-04	0.0	363.0	-363.63	-11.32	-0.99	0.06	-1.51	-25.51
56	5	10.92	1.47	3.20e-04	0.0	0.0	-277.98	-8.00	-0.71	0.05	1.47	10.92
		-18.12	-1.12	9.42e-05	0.0	363.0	-269.81	-8.00	-0.71	0.05	-1.12	-18.12
56	6	17.57	2.35	5.25e-04	0.0	0.0	-412.00	-12.74	-1.11	0.07	2.35	17.57
		-28.68	-1.68	2.77e-04	0.0	363.0	-403.83	-12.74	-1.11	0.07	-1.68	-28.68
56	7	10.92	1.47	3.20e-04	0.0	0.0	-277.98	-8.00	-0.71	0.05	1.47	10.92
		-18.12	-1.12	9.42e-05	0.0	363.0	-269.81	-8.00	-0.71	0.05	-1.12	-18.12
56	8	15.58	2.08	4.62e-04	0.0	0.0	-371.79	-11.32	-0.99	0.06	2.08	15.58
		-25.51	-1.51	2.22e-04	0.0	363.0	-363.63	-11.32	-0.99	0.06	-1.51	-25.51
56	9	10.92	1.47	3.20e-04	0.0	0.0	-277.98	-8.00	-0.71	0.05	1.47	10.92
		-18.12	-1.12	9.42e-05	0.0	363.0	-269.81	-8.00	-0.71	0.05	-1.12	-18.12

56	10	14.91	1.99	4.42e-04	0.0	0.0	-358.39	-10.85	-0.95	0.06	1.99	14.91
		-24.46	-1.46	2.04e-04	0.0	363.0	-350.22	-10.85	-0.95	0.06	-1.46	-24.46
56	11	22.23	7.70	1.08e-03	0.0	0.0	-358.58	-14.96	-3.97	-0.34	7.70	22.23
		-32.07	-6.73	8.16e-04	0.0	363.0	-350.41	-14.96	-3.97	-0.34	-6.73	-32.07
56	12	6.79	4.73	-8.51e-04	0.0	0.0	-356.77	-6.34	-2.40	0.47	4.73	6.79
		-16.22	-3.99	5.03e-04	0.0	363.0	-348.60	-6.34	-2.40	0.47	-3.99	-16.22
56	13	21.67	8.16	1.02e-03	0.0	0.0	-358.45	-14.69	-4.22	-0.29	8.16	21.67
		-31.63	-7.16	8.67e-04	0.0	363.0	-350.28	-14.69	-4.22	-0.29	-7.16	-31.63
56	14	7.35	4.27	-7.79e-04	0.0	0.0	-356.89	-6.61	-2.16	0.43	4.27	7.35
		-16.66	-3.57	4.51e-04	0.0	363.0	-348.73	-6.61	-2.16	0.43	-3.57	-16.66
56	15	12.62	22.67	-2.92e-04	0.0	0.0	-356.21	-9.70	-11.60	-0.53	22.67	12.62
		-22.59	-19.45	2.69e-03	0.0	363.0	-348.04	-9.70	-11.60	-0.53	-19.45	-22.59
56	16	16.40	8.72	5.83e-04	0.0	0.0	-359.14	-11.60	5.22	0.66	-10.24	16.40
		-25.71	-10.24	-1.37e-03	0.0	363.0	-350.97	-11.60	5.22	0.66	8.72	-25.71
56	17	10.64	24.82	-5.20e-04	0.0	0.0	-355.72	-8.66	-12.85	-0.23	24.82	10.64
		-20.78	-21.83	2.86e-03	0.0	363.0	-347.55	-8.66	-12.85	-0.23	-21.83	-20.78
56	18	18.38	11.10	7.67e-04	0.0	0.0	-359.63	-12.64	6.47	0.37	-12.39	18.38
		-27.51	-12.39	-1.55e-03	0.0	363.0	-351.46	-12.64	6.47	0.37	11.10	-27.51
56	19	22.19	0.82	1.08e-03	0.0	0.0	-359.85	-14.88	0.35	-0.31	-0.46	22.19
		-31.84	-0.46	-6.76e-05	0.0	363.0	-351.68	-14.88	0.35	-0.31	0.82	-31.84
56	20	7.63	4.45	-7.64e-04	0.0	0.0	-356.94	-6.81	-2.25	0.43	4.45	7.63
		-17.07	-3.73	4.72e-04	0.0	363.0	-348.77	-6.81	-2.25	0.43	-3.73	-17.07
56	21	21.69	0.43	1.03e-03	0.0	0.0	-359.73	-14.64	0.13	-0.27	-0.04	21.69
		-31.45	-0.04	-2.71e-05	0.0	363.0	-351.57	-14.64	0.13	-0.27	0.43	-31.45
56	22	8.13	4.03	-7.00e-04	0.0	0.0	-357.05	-7.05	-2.03	0.39	4.03	8.13
		-17.46	-3.35	4.26e-04	0.0	363.0	-348.88	-7.05	-2.03	0.39	-3.35	-17.46
56	23	13.58	12.96	3.41e-04	0.0	0.0	-357.72	-10.17	-6.49	-0.48	12.96	13.58
		-23.33	-10.58	1.61e-03	0.0	363.0	-349.56	-10.17	-6.49	-0.48	-10.58	-23.33
56	24	16.24	7.67	5.68e-04	0.0	0.0	-359.06	-11.52	4.58	0.60	-8.97	16.24
		-25.58	-8.97	-1.21e-03	0.0	363.0	-350.89	-11.52	4.58	0.60	7.67	-25.58
56	25	11.81	14.89	-3.78e-04	0.0	0.0	-357.28	-9.24	-7.60	-0.22	14.89	11.81
		-21.72	-12.71	1.77e-03	0.0	363.0	-349.11	-9.24	-7.60	-0.22	-12.71	-21.72
56	26	18.02	9.80	7.33e-04	0.0	0.0	-359.50	-12.45	5.70	0.34	-10.90	18.02
		-27.19	-10.90	-1.36e-03	0.0	363.0	-351.33	-12.45	5.70	0.34	9.80	-27.19
57	1	8.81	0.31	2.45e-04	0.0	0.0	-636.58	-6.30	-0.12	-0.02	0.31	8.81
		-14.07	-0.14	1.09e-04	0.0	363.0	-625.96	-6.30	-0.12	-0.02	-0.14	-14.07
57	2	14.86	0.62	4.36e-04	0.0	0.0	-1006.41	-10.50	-0.24	-0.02	0.62	14.86
		-23.27	-0.24	3.53e-04	0.0	363.0	-995.80	-10.50	-0.24	-0.02	-0.24	-23.27
57	3	3.06	0.05	7.60e-05	0.0	0.0	-262.09	-2.26	-0.03	-8.50e-03	0.05	3.06
		-5.16	-0.05	-6.69e-05	0.0	363.0	-253.92	-2.26	-0.03	-8.50e-03	-0.05	-5.16
57	4	9.11	0.36	2.62e-04	0.0	0.0	-631.92	-6.46	-0.14	-0.02	0.36	9.11
		-14.36	-0.14	1.78e-04	0.0	363.0	-623.75	-6.46	-0.14	-0.02	-0.14	-14.36
57	5	6.28	0.22	1.73e-04	0.0	0.0	-459.33	-4.50	-0.09	-0.01	0.22	6.28
		-10.07	-0.10	6.35e-05	0.0	363.0	-451.17	-4.50	-0.09	-0.01	-0.10	-10.07
57	6	10.31	0.42	3.00e-04	0.0	0.0	-705.89	-7.30	-0.16	-0.02	0.42	10.31
		-16.20	-0.16	2.27e-04	0.0	363.0	-697.72	-7.30	-0.16	-0.02	-0.16	-16.20
57	7	6.28	0.22	1.73e-04	0.0	0.0	-459.33	-4.50	-0.09	-0.01	0.22	6.28
		-10.07	-0.10	6.35e-05	0.0	363.0	-451.17	-4.50	-0.09	-0.01	-0.10	-10.07
57	8	9.11	0.36	2.62e-04	0.0	0.0	-631.92	-6.46	-0.14	-0.02	0.36	9.11
		-14.36	-0.14	1.78e-04	0.0	363.0	-623.75	-6.46	-0.14	-0.02	-0.14	-14.36
57	9	6.28	0.22	1.73e-04	0.0	0.0	-459.33	-4.50	-0.09	-0.01	0.22	6.28
		-10.07	-0.10	6.35e-05	0.0	363.0	-451.17	-4.50	-0.09	-0.01	-0.10	-10.07
57	10	8.70	0.34	2.49e-04	0.0	0.0	-607.27	-6.18	-0.13	-0.01	0.34	8.70
		-13.75	-0.14	1.61e-04	0.0	363.0	-599.10	-6.18	-0.13	-0.01	-0.14	-13.75
57	11	16.01	2.30	9.28e-04	0.0	0.0	-610.06	-10.11	-1.07	0.02	2.30	16.01
		-20.69	-1.57	7.96e-04	0.0	363.0	-601.90	-10.11	-1.07	0.02	-1.57	-20.69
57	12	0.57	0.66	-8.67e-04	0.0	0.0	-605.49	-1.79	-0.30	0.19	0.66	0.57
		-5.94	-0.42	9.20e-05	0.0	363.0	-597.32	-1.79	-0.30	0.19	-0.42	-5.94
57	13	15.32	2.34	8.66e-04	0.0	0.0	-610.49	-9.71	-1.09	0.06	2.34	15.32
		-19.94	-1.62	7.91e-04	0.0	363.0	-602.32	-9.71	-1.09	0.06	-1.62	-19.94
57	14	1.26	0.62	-8.03e-04	0.0	0.0	-605.06	-2.19	-0.27	0.15	0.62	1.26
		-6.70	-0.38	9.71e-05	0.0	363.0	-596.89	-2.19	-0.27	0.15	-0.38	-6.70
57	15	6.55	47.93	-2.07e-04	0.0	0.0	-609.70	-4.98	-21.83	-6.24	47.93	6.55
		-11.52	-31.31	0.01	0.0	363.0	-601.53	-4.98	-21.83	-6.24	-31.31	-11.52
57	16	10.03	29.31	3.65e-04	0.0	0.0	-605.85	-6.93	20.46	6.45	-44.97	10.03
		-15.11	-44.97	-0.01	0.0	363.0	-597.68	-6.93	20.46	6.45	29.31	-15.11
57	17	4.33	38.61	-4.27e-04	0.0	0.0	-609.97	-3.74	-17.65	-4.26	38.61	4.33
		-9.23	-25.47	9.79e-03	0.0	363.0	-601.80	-3.74	-17.65	-4.26	-25.47	-9.23
57	18	12.25	23.48	5.54e-04	0.0	0.0	-605.58	-8.17	16.29	4.47	-35.65	12.25
		-17.40	-35.65	-8.90e-03	0.0	363.0	-597.41	-8.17	16.29	4.47	23.48	-17.40
57	19	15.99	0.11	9.16e-04	0.0	0.0	-608.86	-10.12	0.02	-0.20	0.05	15.99
		-20.75	0.05	2.23e-04	0.0	363.0	-600.69	-10.12	0.02	-0.20	0.11	-20.75
57	20	1.41	0.63	-7.76e-04	0.0	0.0	-605.67	-2.25	-0.28	0.17	0.63	1.41
		-6.75	-0.39	9.92e-05	0.0	363.0	-597.50	-2.25	-0.28	0.17	-0.39	-6.75

57	21	15.37	0.09	8.63e-04	0.0	0.0	-609.24	-9.76	-4.12e-03	-0.16	0.09	15.37
		-20.06	0.08	2.19e-04	0.0	363.0	-601.07	-9.76	-4.12e-03	-0.16	0.08	-20.06
57	22	2.03	0.59	-7.19e-04	0.0	0.0	-605.29	-2.61	-0.26	0.13	0.59	2.03
		-7.43	-0.35	1.04e-04	0.0	363.0	-597.12	-2.61	-0.26	0.13	-0.35	-7.43
57	23	7.51	40.95	1.60e-04	0.0	0.0	-608.53	-5.52	-18.59	-5.81	40.95	7.51
		-12.52	-26.54	0.01	0.0	363.0	-600.37	-5.52	-18.59	-5.81	-26.54	-12.52
57	24	9.90	26.26	3.53e-04	0.0	0.0	-606.00	-6.85	18.33	5.78	-40.28	9.90
		-14.97	-40.28	-0.01	0.0	363.0	-597.83	-6.85	18.33	5.78	26.26	-14.97
57	25	5.52	32.60	-3.14e-04	0.0	0.0	-608.78	-4.41	-14.85	-4.03	32.60	5.52
		-10.47	-21.30	8.28e-03	0.0	363.0	-600.61	-4.41	-14.85	-4.03	-21.30	-10.47
57	26	11.89	21.03	5.21e-04	0.0	0.0	-605.75	-7.96	14.59	4.00	-31.92	11.89
		-17.02	-31.92	-7.96e-03	0.0	363.0	-597.58	-7.96	14.59	4.00	21.03	-17.02
58	1	23.22	1.07	3.28e-04	0.0	0.0	-508.45	9.74	0.64	0.11	-1.27	-12.14
		-12.14	-1.27	7.26e-05	0.0	363.0	-497.83	9.74	0.64	0.11	1.07	23.22
58	2	40.02	1.98	5.64e-04	0.0	0.0	-794.23	17.15	1.21	0.24	-2.40	-22.25
		-22.25	-2.40	2.60e-04	0.0	363.0	-783.62	17.15	1.21	0.24	1.98	40.02
58	3	7.53	0.26	-1.18e-04	0.0	0.0	-215.25	2.93	0.15	8.22e-03	-0.28	-3.12
		-3.12	-0.28	-5.95e-05	0.0	363.0	-207.08	2.93	0.15	8.22e-03	0.26	7.53
58	4	24.32	1.17	3.43e-04	0.0	0.0	-501.03	10.34	0.71	0.13	-1.41	-13.23
		-13.23	-1.41	1.28e-04	0.0	363.0	-492.87	10.34	0.71	0.13	1.17	24.32
58	5	16.49	0.75	2.33e-04	0.0	0.0	-367.67	6.89	0.45	0.08	-0.88	-8.51
		-8.51	-0.88	4.04e-05	0.0	363.0	-359.50	6.89	0.45	0.08	0.75	16.49
58	6	27.68	1.35	3.90e-04	0.0	0.0	-558.19	11.83	0.82	0.16	-1.64	-15.25
		-15.25	-1.64	1.65e-04	0.0	363.0	-550.02	11.83	0.82	0.16	1.35	27.68
58	7	16.49	0.75	2.33e-04	0.0	0.0	-367.67	6.89	0.45	0.08	-0.88	-8.51
		-8.51	-0.88	4.04e-05	0.0	363.0	-359.50	6.89	0.45	0.08	0.75	16.49
58	8	24.32	1.17	3.43e-04	0.0	0.0	-501.03	10.34	0.71	0.13	-1.41	-13.23
		-13.23	-1.41	1.28e-04	0.0	363.0	-492.87	10.34	0.71	0.13	1.17	24.32
58	9	16.49	0.75	2.33e-04	0.0	0.0	-367.67	6.89	0.45	0.08	-0.88	-8.51
		-8.51	-0.88	4.04e-05	0.0	363.0	-359.50	6.89	0.45	0.08	0.75	16.49
58	10	23.20	1.11	3.27e-04	0.0	0.0	-481.98	9.85	0.67	0.13	-1.34	-12.55
		-12.55	-1.34	1.15e-04	0.0	363.0	-473.81	9.85	0.67	0.13	1.11	23.20
58	11	16.46	0.21	1.13e-03	0.0	0.0	-480.64	6.00	-0.11	0.06	0.21	-5.33
		-5.33	-0.17	8.83e-04	0.0	363.0	-472.48	6.00	-0.11	0.06	-0.17	16.46
58	12	30.42	1.71	-9.21e-04	0.0	0.0	-482.87	13.95	1.02	0.41	-1.98	-20.22
		-20.22	-1.98	-3.05e-04	0.0	363.0	-474.70	13.95	1.02	0.41	1.71	30.42
58	13	17.13	0.15	1.07e-03	0.0	0.0	-480.03	6.36	-0.08	0.07	0.15	-5.97
		-5.97	-0.14	8.36e-04	0.0	363.0	-471.86	6.36	-0.08	0.07	-0.14	17.13
58	14	29.76	1.68	-8.64e-04	0.0	0.0	-483.48	13.59	0.99	0.39	-1.91	-19.58
		-19.58	-1.91	-2.58e-04	0.0	363.0	-475.32	13.59	0.99	0.39	1.68	29.76
58	15	24.27	30.15	-3.72e-04	0.0	0.0	-482.39	10.42	-13.21	9.66	30.15	-13.56
		-13.56	-17.81	8.90e-03	0.0	363.0	-474.22	10.42	-13.21	9.66	-17.81	24.27
58	16	22.61	19.35	4.18e-04	0.0	0.0	-481.13	9.53	14.12	-9.20	-31.92	-11.99
		-11.99	-31.92	-8.32e-03	0.0	363.0	-472.96	9.53	14.12	-9.20	19.35	22.61
58	17	26.30	20.88	-5.26e-04	0.0	0.0	-481.85	11.56	-9.08	7.34	20.88	-15.66
		-15.66	-12.09	6.44e-03	0.0	363.0	-473.68	11.56	-9.08	7.34	-12.09	26.30
58	18	20.58	13.62	6.43e-04	0.0	0.0	-481.67	8.40	9.99	-6.87	-22.64	-9.89
		-9.89	-22.64	-5.86e-03	0.0	363.0	-473.50	8.40	9.99	-6.87	13.62	20.58
58	19	16.73	0.57	1.10e-03	0.0	0.0	-481.18	6.17	0.37	-0.13	-0.76	-5.68
		-5.68	-0.76	4.92e-04	0.0	363.0	-473.01	6.17	0.37	-0.13	0.57	16.73
58	20	29.68	1.65	-8.48e-04	0.0	0.0	-482.78	13.53	0.98	0.38	-1.91	-19.43
		-19.43	-1.91	-2.61e-04	0.0	363.0	-474.61	13.53	0.98	0.38	1.65	29.68
58	21	17.33	0.60	1.04e-03	0.0	0.0	-480.63	6.50	0.39	-0.12	-0.82	-6.26
		-6.26	-0.82	4.50e-04	0.0	363.0	-472.46	6.50	0.39	-0.12	0.60	17.33
58	22	29.08	1.62	-7.97e-04	0.0	0.0	-483.33	13.20	0.96	0.37	-1.85	-18.85
		-18.85	-1.85	-2.19e-04	0.0	363.0	-475.16	13.20	0.96	0.37	1.62	29.08
58	23	23.73	26.08	-3.27e-04	0.0	0.0	-482.75	10.14	-11.38	8.48	26.08	-13.06
		-13.06	-15.23	7.68e-03	0.0	363.0	-474.58	10.14	-11.38	8.48	-15.23	23.73
58	24	22.67	17.46	4.09e-04	0.0	0.0	-481.21	9.56	12.73	-8.23	-28.75	-12.05
		-12.05	-28.75	-7.45e-03	0.0	363.0	-473.05	9.56	12.73	-8.23	17.46	22.67
58	25	25.55	17.77	-4.61e-04	0.0	0.0	-482.26	11.15	-7.68	6.40	17.77	-14.94
		-14.94	-10.10	5.47e-03	0.0	363.0	-474.09	11.15	-7.68	6.40	-10.10	25.55
58	26	20.85	12.33	6.10e-04	0.0	0.0	-481.70	8.55	9.03	-6.14	-20.44	-10.17
		-10.17	-20.44	-5.24e-03	0.0	363.0	-473.53	8.55	9.03	-6.14	12.33	20.85
59	1	7.73	-1.81	-1.39e-04	0.0	0.0	-24.61	6.01	11.01	0.14	-12.60	-9.25
		-9.25	-12.60	5.07e-04	0.0	363.0	-14.00	6.01	11.01	0.14	-1.81	7.73
59	2	13.48	-3.35	2.69e-04	0.0	0.0	-26.25	12.72	20.74	0.25	-23.87	-18.94
		-18.94	-23.87	1.00e-03	0.0	363.0	-15.63	12.72	20.74	0.25	-3.35	13.48
59	3	2.41	-0.45	-9.63e-05	0.0	0.0	-17.93	0.50	2.48	0.04	-2.76	-1.16
		-1.16	-2.76	8.76e-05	0.0	363.0	-9.76	0.50	2.48	0.04	-0.45	2.41
59	4	8.16	-1.99	1.40e-04	0.0	0.0	-19.56	7.20	12.21	0.15	-14.03	-10.84
		-10.84	-14.03	5.80e-04	0.0	363.0	-11.40	7.20	12.21	0.15	-1.99	8.16
59	5	5.48	-1.27	-1.04e-04	0.0	0.0	-18.80	4.08	7.67	0.10	-8.77	-6.32
		-6.32	-8.77	3.50e-04	0.0	363.0	-10.63	4.08	7.67	0.10	-1.27	5.48

59	6	9.31	-2.29	1.75e-04	0.0	0.0	-19.89	8.55	14.16	0.17	-16.28	-12.78
		-12.78	-16.28	6.78e-04	0.0	363.0	-11.72	8.55	14.16	0.17	-2.29	9.31
59	7	5.48	-1.27	-1.04e-04	0.0	0.0	-18.80	4.08	7.67	0.10	-8.77	-6.32
		-6.32	-8.77	3.50e-04	0.0	363.0	-10.63	4.08	7.67	0.10	-1.27	5.48
59	8	8.16	-1.99	1.40e-04	0.0	0.0	-19.56	7.20	12.21	0.15	-14.03	-10.84
		-10.84	-14.03	5.80e-04	0.0	363.0	-11.40	7.20	12.21	0.15	-1.99	8.16
59	9	5.48	-1.27	-1.04e-04	0.0	0.0	-18.80	4.08	7.67	0.10	-8.77	-6.32
		-6.32	-8.77	3.50e-04	0.0	363.0	-10.63	4.08	7.67	0.10	-1.27	5.48
59	10	7.78	-1.88	1.29e-04	0.0	0.0	-19.45	6.76	11.56	0.14	-13.27	-10.20
		-10.20	-13.27	5.47e-04	0.0	363.0	-11.29	6.76	11.56	0.14	-1.88	7.78
59	11	3.10	-0.38	6.46e-04	0.0	0.0	-20.39	5.47	6.03	0.21	-7.31	-7.59
		-7.59	-7.31	7.45e-04	0.0	363.0	-12.23	5.47	6.03	0.21	-0.38	3.10
59	12	13.80	-3.10	-9.00e-04	0.0	0.0	-18.91	7.73	17.64	0.52	-19.93	-12.76
		-12.76	-19.93	-7.57e-04	0.0	363.0	-10.74	7.73	17.64	0.52	-3.10	13.80
59	13	3.26	-0.40	5.75e-04	0.0	0.0	-20.38	5.68	6.32	0.28	-7.66	-7.91
		-7.91	-7.66	6.94e-04	0.0	363.0	-12.21	5.68	6.32	0.28	-0.40	3.26
59	14	13.64	-3.08	-8.39e-04	0.0	0.0	-18.93	7.51	17.36	0.46	-19.58	-12.44
		-12.44	-19.58	-6.85e-04	0.0	363.0	-10.76	7.51	17.36	0.46	-3.08	13.64
59	15	8.56	4.85	-2.17e-04	0.0	0.0	-21.23	10.18	9.60	0.91	-12.59	-14.27
		-14.27	-12.59	4.21e-04	0.0	363.0	-13.06	10.18	9.60	0.91	4.85	8.56
59	16	8.34	-8.33	-1.46e-04	0.0	0.0	-18.07	3.01	14.08	-0.17	-14.65	-6.08
		-6.08	-14.65	7.21e-04	0.0	363.0	-9.91	3.01	14.08	-0.17	-8.33	8.34
59	17	9.81	2.96	-4.32e-04	0.0	0.0	-20.87	9.80	11.63	1.04	-14.49	-14.17
		-14.17	-14.49	4.69e-04	0.0	363.0	-12.71	9.80	11.63	1.04	2.96	9.81
59	18	7.09	-6.44	1.93e-04	0.0	0.0	-18.43	3.39	12.05	-0.31	-12.76	-6.19
		-6.19	-12.76	6.93e-04	0.0	363.0	-10.27	3.39	12.05	-0.31	-6.44	7.09
59	19	2.38	-0.79	6.14e-04	0.0	0.0	-19.94	5.89	6.12	-0.20	-7.31	-7.90
		-7.90	-7.31	6.36e-04	0.0	363.0	-11.77	5.89	6.12	-0.20	-0.79	2.38
59	20	13.17	-2.98	-8.19e-04	0.0	0.0	-18.97	7.62	17.01	0.48	-19.24	-12.50
		-12.50	-19.24	-6.84e-04	0.0	363.0	-10.80	7.62	17.01	0.48	-2.98	13.17
59	21	2.52	-0.81	5.51e-04	0.0	0.0	-19.93	6.08	6.37	-0.15	-7.62	-8.18
		-8.18	-7.62	6.01e-04	0.0	363.0	-11.76	6.08	6.37	-0.15	-0.81	2.52
59	22	13.03	-2.95	-7.64e-04	0.0	0.0	-18.98	7.43	16.76	0.43	-18.93	-12.21
		-12.21	-18.93	-6.19e-04	0.0	363.0	-10.81	7.43	16.76	0.43	-2.95	13.03
59	23	7.27	3.89	2.45e-04	0.0	0.0	-20.69	10.12	9.31	0.42	-12.04	-13.89
		-13.89	-12.04	3.91e-04	0.0	363.0	-12.52	10.12	9.31	0.42	3.89	7.27
59	24	8.28	-7.66	-1.40e-04	0.0	0.0	-18.22	3.40	13.82	-0.14	-14.51	-6.51
		-6.51	-14.51	7.03e-04	0.0	363.0	-10.05	3.40	13.82	-0.14	-7.66	8.28
59	25	8.39	2.20	-3.52e-04	0.0	0.0	-20.37	9.77	11.13	0.54	-13.74	-13.79
		-13.79	-13.74	4.34e-04	0.0	363.0	-12.20	9.77	11.13	0.54	2.20	8.39
59	26	7.16	-5.97	1.64e-04	0.0	0.0	-18.54	3.74	12.00	-0.26	-12.81	-6.60
		-6.60	-12.81	6.77e-04	0.0	363.0	-10.37	3.74	12.00	-0.26	-5.97	7.16
60	1	-1.21	-1.70	8.46e-05	0.0	0.0	-16.39	2.13	1.74	0.70	-1.95	-2.02
		-2.02	-1.95	9.97e-05	0.0	363.0	-5.78	2.13	1.74	0.70	-1.70	-1.21
60	2	-2.23	-2.91	1.87e-04	0.0	0.0	-20.10	3.51	2.97	1.15	-3.31	-3.42
		-3.42	-3.31	2.35e-04	0.0	363.0	-9.49	3.51	2.97	1.15	-2.91	-2.23
60	3	-0.31	-0.56	-8.62e-05	0.0	0.0	-10.33	0.79	0.58	0.26	-0.67	-0.70
		-0.70	-0.67	-1.11e-04	0.0	363.0	-2.16	0.79	0.58	0.26	-0.56	-0.31
60	4	-1.33	-1.77	1.03e-04	0.0	0.0	-14.04	2.17	1.81	0.71	-2.02	-2.09
		-2.09	-2.02	1.28e-04	0.0	363.0	-5.87	2.17	1.81	0.71	-1.77	-1.33
60	5	-0.85	-1.21	-6.75e-05	0.0	0.0	-12.31	1.53	1.23	0.50	-1.39	-1.44
		-1.44	-1.39	-6.68e-05	0.0	363.0	-4.14	1.53	1.23	0.50	-1.21	-0.85
60	6	-1.53	-2.02	1.24e-04	0.0	0.0	-14.78	2.45	2.05	0.80	-2.29	-2.37
		-2.37	-2.29	1.56e-04	0.0	363.0	-6.61	2.45	2.05	0.80	-2.02	-1.53
60	7	-0.85	-1.21	-6.75e-05	0.0	0.0	-12.31	1.53	1.23	0.50	-1.39	-1.44
		-1.44	-1.39	-6.68e-05	0.0	363.0	-4.14	1.53	1.23	0.50	-1.21	-0.85
60	8	-1.33	-1.77	1.03e-04	0.0	0.0	-14.04	2.17	1.81	0.71	-2.02	-2.09
		-2.09	-2.02	1.28e-04	0.0	363.0	-5.87	2.17	1.81	0.71	-1.77	-1.33
60	9	-0.85	-1.21	-6.75e-05	0.0	0.0	-12.31	1.53	1.23	0.50	-1.39	-1.44
		-1.44	-1.39	-6.68e-05	0.0	363.0	-4.14	1.53	1.23	0.50	-1.21	-0.85
60	10	-1.26	-1.69	9.65e-05	0.0	0.0	-13.79	2.08	1.73	0.68	-1.93	-2.00
		-2.00	-1.93	1.19e-04	0.0	363.0	-5.62	2.08	1.73	0.68	-1.69	-1.26
60	11	-1.14	-1.42	7.21e-04	0.0	0.0	-14.70	1.98	1.26	0.66	-1.42	-1.84
		-1.84	-1.57	7.81e-04	0.0	363.0	-6.54	1.98	1.26	0.66	-1.42	-1.14
60	12	-1.59	-1.93	-8.75e-04	0.0	0.0	-12.06	2.44	2.59	0.65	-2.86	-2.47
		-2.47	-2.86	-7.63e-04	0.0	363.0	-3.90	2.44	2.59	0.65	-1.93	-1.59
60	13	-1.16	-1.51	6.39e-04	0.0	0.0	-14.49	2.04	1.34	0.70	-1.51	-1.91
		-1.91	-1.61	7.00e-04	0.0	363.0	-6.32	2.04	1.34	0.70	-1.51	-1.16
60	14	-1.57	-1.89	-7.93e-04	0.0	0.0	-12.27	2.38	2.52	0.62	-2.77	-2.41
		-2.41	-2.77	-6.82e-04	0.0	363.0	-4.11	2.38	2.52	0.62	-1.89	-1.57
60	15	-2.99	-1.64	1.80e-04	0.0	0.0	-15.85	2.63	2.34	0.28	-2.53	-2.99
		-3.09	-2.53	3.74e-04	0.0	363.0	-7.69	2.63	2.34	0.28	-1.64	-2.99
60	16	0.36	-1.75	-5.78e-05	0.0	0.0	-10.91	1.79	1.51	1.04	-1.75	-1.33
		-1.33	-1.87	-3.31e-04	0.0	363.0	-2.74	1.79	1.51	1.04	-1.75	0.36

60	17	-2.67	-1.79	-3.62e-04	0.0	0.0	-15.17	2.76	2.48	0.46	-2.70	-3.00
		-3.00	-2.70	2.08e-04	0.0	363.0	-7.01	2.76	2.48	0.46	-1.79	-2.67
60	18	-0.06	-1.58	2.09e-04	0.0	0.0	-11.59	1.66	1.38	0.86	-1.58	-1.31
		-1.31	-1.71	9.20e-05	0.0	363.0	-3.42	1.66	1.38	0.86	-1.71	-0.06
60	19	-0.96	-1.10	6.83e-04	0.0	0.0	-15.34	1.75	0.95	0.70	-1.10	-1.57
		-1.57	-1.48	6.20e-04	0.0	363.0	-7.17	1.75	0.95	0.70	-1.48	-0.96
60	20	-1.55	-1.91	-7.90e-04	0.0	0.0	-12.24	2.41	2.50	0.66	-2.76	-2.42
		-2.42	-2.76	-6.87e-04	0.0	363.0	-4.07	2.41	2.50	0.66	-1.91	-1.55
60	21	-0.98	-1.19	6.09e-04	0.0	0.0	-15.15	1.81	1.02	0.74	-1.19	-1.63
		-1.63	-1.51	5.47e-04	0.0	363.0	-6.98	1.81	1.02	0.74	-1.51	-0.98
60	22	-1.54	-1.87	-7.16e-04	0.0	0.0	-12.43	2.35	2.43	0.62	-2.68	-2.37
		-2.37	-2.68	-6.15e-04	0.0	363.0	-4.26	2.35	2.43	0.62	-1.87	-1.54
60	23	-2.60	-1.54	1.74e-04	0.0	0.0	-16.37	2.34	1.92	0.36	-2.10	-2.60
		-2.71	-2.10	2.74e-04	0.0	363.0	-8.20	2.34	1.92	0.36	-1.54	-2.71
60	24	0.20	-1.77	-5.73e-05	0.0	0.0	-11.21	1.82	1.54	1.00	-1.77	-1.40
		-1.40	-1.85	-3.00e-04	0.0	363.0	-3.04	1.82	1.54	1.00	-1.85	0.20
60	25	-2.33	-1.68	-2.89e-04	0.0	0.0	-15.76	2.46	2.04	0.52	-2.25	-2.61
		-2.61	-2.25	1.43e-04	0.0	363.0	-7.59	2.46	2.04	0.52	-1.68	-2.33
60	26	-0.18	-1.62	1.82e-04	0.0	0.0	-11.82	1.70	1.41	0.84	-1.62	-1.38
		-1.38	-1.71	9.48e-05	0.0	363.0	-3.65	1.70	1.41	0.84	-1.71	-0.18
61	1	2.25	0.59	-1.90e-04	0.0	0.0	-18.75	-2.60	0.20	0.57	0.07	2.25
		1.80	0.07	-3.00e-04	0.0	363.0	-8.13	-2.60	0.20	0.57	0.59	1.80
61	2	3.44	0.92	-2.52e-04	0.0	0.0	-25.70	-4.04	0.41	0.87	0.01	3.44
		2.80	0.01	-3.41e-04	0.0	363.0	-15.09	-4.04	0.41	0.87	0.92	2.80
61	3	1.00	0.25	-1.14e-04	0.0	0.0	-10.14	-1.11	0.02	0.24	0.10	1.00
		0.77	0.10	-2.06e-04	0.0	363.0	-1.97	-1.11	0.02	0.24	0.25	0.77
61	4	2.19	0.58	-1.70e-04	0.0	0.0	-17.10	-2.55	0.23	0.55	0.03	2.19
		1.77	0.03	-2.47e-04	0.0	363.0	-8.93	-2.55	0.23	0.55	0.58	1.77
61	5	1.63	0.43	-1.41e-04	0.0	0.0	-13.85	-1.88	0.13	0.41	0.06	1.63
		1.30	0.06	-2.28e-04	0.0	363.0	-5.68	-1.88	0.13	0.41	0.43	1.30
61	6	2.43	0.65	-1.83e-04	0.0	0.0	-18.49	-2.84	0.28	0.62	0.02	2.43
		1.97	0.02	-2.55e-04	0.0	363.0	-10.32	-2.84	0.28	0.62	0.65	1.97
61	7	1.63	0.43	-1.41e-04	0.0	0.0	-13.85	-1.88	0.13	0.41	0.06	1.63
		1.30	0.06	-2.28e-04	0.0	363.0	-5.68	-1.88	0.13	0.41	0.43	1.30
61	8	2.19	0.58	-1.70e-04	0.0	0.0	-17.10	-2.55	0.23	0.55	0.03	2.19
		1.77	0.03	-2.47e-04	0.0	363.0	-8.93	-2.55	0.23	0.55	0.58	1.77
61	9	1.63	0.43	-1.41e-04	0.0	0.0	-13.85	-1.88	0.13	0.41	0.06	1.63
		1.30	0.06	-2.28e-04	0.0	363.0	-5.68	-1.88	0.13	0.41	0.43	1.30
61	10	2.11	0.56	-1.66e-04	0.0	0.0	-16.63	-2.46	0.22	0.53	0.04	2.11
		1.70	0.04	-2.44e-04	0.0	363.0	-8.47	-2.46	0.22	0.53	0.56	1.70
61	11	2.42	0.12	7.30e-04	0.0	0.0	-13.05	-2.03	0.63	0.45	-0.38	1.86
		1.86	-0.38	5.34e-04	0.0	363.0	-4.88	-2.03	0.63	0.45	0.12	2.42
61	12	2.23	0.82	-8.69e-04	0.0	0.0	-21.57	-2.67	-0.19	0.51	0.43	2.23
		1.37	0.43	-9.21e-04	0.0	363.0	-13.40	-2.67	-0.19	0.51	0.82	1.37
61	13	2.36	0.15	6.48e-04	0.0	0.0	-13.59	-2.06	0.62	0.46	-0.36	1.87
		1.87	-0.36	4.49e-04	0.0	363.0	-5.42	-2.06	0.62	0.46	0.15	2.36
61	14	2.22	0.79	-7.87e-04	0.0	0.0	-21.03	-2.65	-0.17	0.51	0.41	2.22
		1.43	0.41	-8.35e-04	0.0	363.0	-12.86	-2.65	-0.17	0.51	0.79	1.43
61	15	2.11	0.96	-1.97e-04	0.0	0.0	-17.85	-2.34	0.29	0.64	0.12	2.01
		2.01	0.12	1.19e-04	0.0	363.0	-9.68	-2.34	0.29	0.64	0.96	2.11
61	16	2.08	-0.02	-1.68e-04	0.0	0.0	-16.77	-2.36	0.15	0.32	-0.07	2.08
		1.68	-0.07	-5.05e-04	0.0	363.0	-8.60	-2.36	0.15	0.32	-0.02	1.68
61	17	2.10	0.96	-3.76e-04	0.0	0.0	-19.79	-2.48	0.23	0.66	0.16	2.10
		1.96	0.16	-1.63e-04	0.0	363.0	-11.62	-2.48	0.23	0.66	0.96	1.96
61	18	1.99	-0.02	2.12e-04	0.0	0.0	-14.83	-2.22	0.21	0.30	-0.11	1.99
		1.82	-0.11	-2.26e-04	0.0	363.0	-6.66	-2.22	0.21	0.30	-0.02	1.82
61	19	2.00	0.33	6.90e-04	0.0	0.0	-12.21	-2.26	0.58	0.55	-0.31	2.00
		2.00	-0.31	3.62e-04	0.0	363.0	-4.04	-2.26	0.58	0.55	0.33	2.00
61	20	2.22	0.79	-7.84e-04	0.0	0.0	-21.06	-2.65	-0.14	0.52	0.39	2.22
		1.40	0.39	-8.51e-04	0.0	363.0	-12.89	-2.65	-0.14	0.52	0.79	1.40
61	21	2.01	0.35	6.16e-04	0.0	0.0	-12.69	-2.29	0.57	0.56	-0.30	2.01
		1.94	-0.30	2.86e-04	0.0	363.0	-4.52	-2.29	0.57	0.56	0.35	1.94
61	22	2.21	0.76	-7.10e-04	0.0	0.0	-20.58	-2.63	-0.13	0.51	0.37	2.21
		1.46	0.37	-7.74e-04	0.0	363.0	-12.41	-2.63	-0.13	0.51	0.76	1.46
61	23	2.14	1.08	-1.64e-04	0.0	0.0	-16.51	-2.54	0.28	0.73	0.14	2.14
		1.72	0.14	-5.16e-05	0.0	363.0	-8.34	-2.54	0.28	0.73	1.08	1.72
61	24	2.08	0.04	-1.68e-04	0.0	0.0	-16.76	-2.37	0.16	0.34	-0.06	2.08
		1.68	-0.06	-4.78e-04	0.0	363.0	-8.59	-2.37	0.16	0.34	0.04	1.68
61	25	2.22	1.07	-3.13e-04	0.0	0.0	-18.25	-2.67	0.22	0.74	0.17	2.22
		1.59	0.17	-2.61e-04	0.0	363.0	-10.08	-2.67	0.22	0.74	1.07	1.59
61	26	2.00	0.04	1.85e-04	0.0	0.0	-15.02	-2.25	0.21	0.32	-0.10	2.00
		1.81	-0.10	-2.28e-04	0.0	363.0	-6.85	-2.25	0.21	0.32	0.04	1.81
62	1	-0.49	0.98	-1.94e-04	0.0	0.0	-15.43	0.51	-0.44	-0.50	0.98	-0.68
		-0.68	0.41	3.06e-04	0.0	363.0	-4.81	0.51	-0.44	-0.50	0.41	-0.49

62	2	-0.65	1.37	-2.89e-04	0.0	0.0	-18.97	0.69	-0.63	-0.78	1.37	-0.92
		-0.92	0.58	7.49e-04	0.0	363.0	-8.35	0.69	-0.63	-0.78	0.58	-0.65
62	3	-0.28	0.52	-9.00e-05	0.0	0.0	-9.69	0.28	-0.23	-0.21	0.52	-0.37
		-0.37	0.21	-4.81e-05	0.0	363.0	-1.52	0.28	-0.23	-0.21	0.21	-0.28
62	4	-0.44	0.91	-1.86e-04	0.0	0.0	-13.23	0.46	-0.41	-0.49	0.91	-0.62
		-0.62	0.38	4.06e-04	0.0	363.0	-5.06	0.46	-0.41	-0.49	0.38	-0.44
62	5	-0.36	0.72	-1.41e-04	0.0	0.0	-11.58	0.38	-0.33	-0.36	0.72	-0.50
		-0.50	0.30	1.99e-04	0.0	363.0	-3.41	0.38	-0.33	-0.36	0.30	-0.36
62	6	-0.47	0.98	-2.05e-04	0.0	0.0	-13.94	0.49	-0.45	-0.55	0.98	-0.66
		-0.66	0.41	4.94e-04	0.0	363.0	-5.77	0.49	-0.45	-0.55	0.41	-0.47
62	7	-0.36	0.72	-1.41e-04	0.0	0.0	-11.58	0.38	-0.33	-0.36	0.72	-0.50
		-0.50	0.30	1.99e-04	0.0	363.0	-3.41	0.38	-0.33	-0.36	0.30	-0.36
62	8	-0.44	0.91	-1.86e-04	0.0	0.0	-13.23	0.46	-0.41	-0.49	0.91	-0.62
		-0.62	0.38	4.06e-04	0.0	363.0	-5.06	0.46	-0.41	-0.49	0.38	-0.44
62	9	-0.36	0.72	-1.41e-04	0.0	0.0	-11.58	0.38	-0.33	-0.36	0.72	-0.50
		-0.50	0.30	1.99e-04	0.0	363.0	-3.41	0.38	-0.33	-0.36	0.30	-0.36
62	10	-0.43	0.88	-1.79e-04	0.0	0.0	-12.99	0.45	-0.40	-0.48	0.88	-0.60
		-0.60	0.37	3.76e-04	0.0	363.0	-4.83	0.45	-0.40	-0.48	0.37	-0.43
62	11	-0.40	1.38	-1.86e-04	0.0	0.0	-13.02	0.17	-0.49	-0.75	1.38	-0.45
		-0.45	0.46	7.07e-04	0.0	363.0	-4.86	0.17	-0.49	-0.75	0.46	-0.40
62	12	-0.60	2.05	-7.06e-04	0.0	0.0	-11.91	0.83	-1.18	-0.13	2.05	-1.14
		-1.14	0.82	1.79e-03	0.0	363.0	-3.74	0.83	-1.18	-0.13	0.82	-0.60
62	13	-0.42	1.48	-2.27e-04	0.0	0.0	-12.84	0.18	-0.56	-0.73	1.48	-0.47
		-0.47	0.50	8.78e-04	0.0	363.0	-4.67	0.18	-0.56	-0.73	0.50	-0.42
62	14	-0.59	1.96	-6.65e-04	0.0	0.0	-12.09	0.82	-1.11	-0.15	1.96	-1.12
		-1.12	0.78	1.62e-03	0.0	363.0	-3.92	0.82	-1.11	-0.15	0.78	-0.59
62	15	-0.80	4.48	-1.20e-03	0.0	0.0	-10.25	0.74	-2.55	-0.65	4.48	-1.39
		-1.39	1.59	4.05e-03	0.0	363.0	-2.08	0.74	-2.55	-0.65	1.59	-0.80
62	16	-0.20	-0.32	3.10e-04	0.0	0.0	-14.69	0.25	0.88	-0.23	-1.05	-0.20
		-0.20	-1.05	-1.55e-03	0.0	363.0	-6.52	0.25	0.88	-0.23	-0.32	-0.20
62	17	-0.92	5.49	-1.45e-03	0.0	0.0	-9.50	0.92	-3.21	-0.55	5.49	-1.69
		-1.69	1.95	4.89e-03	0.0	363.0	-1.33	0.92	-3.21	-0.55	1.95	-0.92
62	18	0.11	-0.68	5.60e-04	0.0	0.0	-15.44	0.07	1.55	-0.34	-2.06	0.11
		-0.08	-2.06	-2.39e-03	0.0	363.0	-7.27	0.07	1.55	-0.34	-0.68	-0.08
62	19	-0.12	-0.03	2.93e-04	0.0	0.0	-13.97	0.11	0.30	-0.79	-0.17	-0.12
		-0.27	-0.17	-8.93e-04	0.0	363.0	-5.80	0.11	0.30	-0.79	-0.03	-0.27
62	20	-0.58	1.93	-6.52e-04	0.0	0.0	-12.02	0.79	-1.10	-0.17	1.93	-1.08
		-1.08	0.77	1.65e-03	0.0	363.0	-3.85	0.79	-1.10	-0.17	0.77	-0.58
62	21	-0.13	2.54e-03	2.56e-04	0.0	0.0	-13.80	0.12	0.23	-0.76	-0.08	-0.13
		-0.29	-0.08	-7.40e-04	0.0	363.0	-5.64	0.12	0.23	-0.76	2.54e-03	-0.29
62	22	-0.57	1.84	-6.15e-04	0.0	0.0	-12.18	0.78	-1.03	-0.19	1.84	-1.07
		-1.07	0.74	1.49e-03	0.0	363.0	-4.02	0.78	-1.03	-0.19	0.74	-0.57
62	23	-0.63	2.61	-6.18e-04	0.0	0.0	-11.48	0.62	-1.55	-0.70	2.61	-0.96
		-0.96	0.98	2.10e-03	0.0	363.0	-3.31	0.62	-1.55	-0.70	0.98	-0.63
62	24	-0.23	-0.25	2.59e-04	0.0	0.0	-14.51	0.27	0.75	-0.25	-0.85	-0.24
		-0.24	-0.85	-1.35e-03	0.0	363.0	-6.34	0.27	0.75	-0.25	-0.25	-0.24
62	25	-0.74	3.51	-8.42e-04	0.0	0.0	-10.81	0.78	-2.14	-0.60	3.51	-1.23
		-1.23	1.31	2.86e-03	0.0	363.0	-2.64	0.78	-2.14	-0.60	1.31	-0.74
62	26	0.03	-0.57	4.83e-04	0.0	0.0	-15.18	0.11	1.34	-0.35	-1.75	0.03
		-0.11	-1.75	-2.10e-03	0.0	363.0	-7.02	0.11	1.34	-0.35	-0.57	-0.11
63	1	2.60	4.08	-2.70e-04	0.0	0.0	-17.06	-3.19	-3.16	-0.45	2.80	2.60
		2.11	2.80	7.36e-04	0.0	363.0	-6.44	-3.19	-3.16	-0.45	4.08	2.11
63	2	3.54	7.06	-4.40e-04	0.0	0.0	-21.97	-4.26	-5.77	-0.42	5.08	3.54
		3.28	5.08	1.39e-03	0.0	363.0	-11.35	-4.26	-5.77	-0.42	7.06	3.28
63	3	1.42	1.31	-1.05e-04	0.0	0.0	-10.10	-1.79	-0.83	-0.36	0.75	1.42
		0.91	0.75	1.65e-04	0.0	363.0	-1.93	-1.79	-0.83	-0.36	1.31	0.91
63	4	2.36	4.29	-2.73e-04	0.0	0.0	-15.01	-2.86	-3.44	-0.34	3.03	2.36
		2.07	3.03	8.17e-04	0.0	363.0	-6.84	-2.86	-3.44	-0.34	4.29	2.07
63	5	1.92	2.90	-1.93e-04	0.0	0.0	-12.72	-2.36	-2.22	-0.35	1.97	1.92
		1.53	1.97	5.13e-04	0.0	363.0	-4.55	-2.36	-2.22	-0.35	2.90	1.53
63	6	2.55	4.88	-3.07e-04	0.0	0.0	-15.99	-3.08	-3.96	-0.33	3.49	2.55
		2.31	3.49	9.48e-04	0.0	363.0	-7.83	-3.08	-3.96	-0.33	4.88	2.31
63	7	1.92	2.90	-1.93e-04	0.0	0.0	-12.72	-2.36	-2.22	-0.35	1.97	1.92
		1.53	1.97	5.13e-04	0.0	363.0	-4.55	-2.36	-2.22	-0.35	2.90	1.53
63	8	2.36	4.29	-2.73e-04	0.0	0.0	-15.01	-2.86	-3.44	-0.34	3.03	2.36
		2.07	3.03	8.17e-04	0.0	363.0	-6.84	-2.86	-3.44	-0.34	4.29	2.07
63	9	1.92	2.90	-1.93e-04	0.0	0.0	-12.72	-2.36	-2.22	-0.35	1.97	1.92
		1.53	1.97	5.13e-04	0.0	363.0	-4.55	-2.36	-2.22	-0.35	2.90	1.53
63	10	2.30	4.09	-2.62e-04	0.0	0.0	-14.68	-2.79	-3.26	-0.34	2.88	2.30
		2.00	2.88	7.74e-04	0.0	363.0	-6.52	-2.79	-3.26	-0.34	4.09	2.00
63	11	0.98	5.02	-5.84e-05	0.0	0.0	-10.79	-1.41	-3.35	-0.67	2.97	0.98
		-0.06	2.97	5.56e-04	0.0	363.0	-2.63	-1.41	-3.35	-0.67	5.02	-0.06
63	12	3.05	3.32	-4.84e-04	0.0	0.0	-16.65	-3.86	-2.54	-0.71	2.35	3.05
		2.09	2.35	1.90e-03	0.0	363.0	-8.48	-3.86	-2.54	-0.71	3.32	2.09

63	13	0.90	4.79	-9.14e-05	0.0	0.0	-11.14	-1.29	-3.23	-0.62	2.86	0.90
		-0.04	2.86	7.31e-04	0.0	363.0	-2.97	-1.29	-3.23	-0.62	4.79	-0.04
63	14	3.14	3.55	-4.52e-04	0.0	0.0	-16.31	-3.98	-2.66	-0.76	2.46	3.14
		2.07	2.46	1.73e-03	0.0	363.0	-8.14	-3.98	-2.66	-0.76	3.55	2.07
63	15	0.58	1.89	-6.82e-04	0.0	0.0	-17.94	-1.30	-0.32	-1.44	0.49	0.58
		-2.02	0.49	3.63e-03	0.0	363.0	-9.77	-1.30	-0.32	-1.44	1.89	-2.02
63	16	4.05	6.45	-1.95e-04	0.0	0.0	-9.51	-3.97	-5.56	0.06	4.83	3.45
		3.45	4.83	-1.22e-03	0.0	363.0	-1.34	-3.97	-5.56	0.06	6.45	3.45
63	17	0.15	1.45	-8.31e-04	0.0	0.0	-18.72	-0.85	0.03	-1.46	0.20	0.15
		-2.57	0.20	4.23e-03	0.0	363.0	-10.56	-0.85	0.03	-1.46	1.45	-2.57
63	18	4.59	6.89	3.25e-04	0.0	0.0	-8.72	-4.42	-5.91	0.08	5.12	3.88
		3.88	5.12	-1.77e-03	0.0	363.0	-0.55	-4.42	-5.91	0.08	6.89	3.88
63	19	1.92	4.78	-9.60e-05	0.0	0.0	-12.92	-1.84	-3.91	-8.62e-04	3.36	1.62
		1.62	3.36	-4.39e-04	0.0	363.0	-4.75	-1.84	-3.91	-8.62e-04	4.78	1.62
63	20	2.97	3.40	-4.60e-04	0.0	0.0	-16.45	-3.75	-2.61	-0.67	2.40	2.97
		2.08	2.40	1.79e-03	0.0	363.0	-8.28	-3.75	-2.61	-0.67	3.40	2.08
63	21	1.93	4.57	-1.14e-04	0.0	0.0	-13.22	-1.73	-3.80	0.04	3.25	1.55
		1.55	3.25	-3.34e-04	0.0	363.0	-5.06	-1.73	-3.80	0.04	4.57	1.55
63	22	3.05	3.60	-4.32e-04	0.0	0.0	-16.14	-3.86	-2.72	-0.72	2.51	3.05
		2.06	2.51	1.63e-03	0.0	363.0	-7.97	-3.86	-2.72	-0.72	3.60	2.06
63	23	1.27	1.97	-4.97e-04	0.0	0.0	-19.32	-1.74	-1.20	-0.70	1.14	1.27
		0.16	1.14	2.52e-03	0.0	363.0	-11.15	-1.74	-1.20	-0.70	1.97	0.16
63	24	3.83	6.20	-1.98e-04	0.0	0.0	-10.04	-3.85	-5.32	0.02	4.62	3.33
		3.33	4.62	-1.04e-03	0.0	363.0	-1.88	-3.85	-5.32	0.02	6.20	3.33
63	25	0.88	1.58	-6.30e-04	0.0	0.0	-20.03	-1.33	-0.88	-0.72	0.88	0.88
		-0.33	0.88	3.06e-03	0.0	363.0	-11.86	-1.33	-0.88	-0.72	1.58	-0.33
63	26	4.32	6.60	2.73e-04	0.0	0.0	-9.34	-4.25	-5.64	0.04	4.88	3.72
		3.72	4.88	-1.52e-03	0.0	363.0	-1.17	-4.25	-5.64	0.04	6.60	3.72
64	1	1.73	0.46	-3.22e-04	0.0	0.0	-11.21	0.19	-0.51	-0.79	0.46	0.15
		0.15	-0.31	6.77e-04	0.0	363.0	-0.60	0.19	-0.51	-0.79	-0.31	0.15
64	2	2.51	0.55	-4.94e-04	0.0	0.0	-10.97	-0.10	-0.57	-0.99	0.55	0.50
		0.50	-0.46	1.32e-03	0.0	363.0	-0.35	-0.10	-0.57	-0.99	-0.46	0.50
64	3	0.86	0.31	-1.42e-04	0.0	0.0	-8.78	0.33	-0.35	-0.48	0.31	-0.09
		-0.09	-0.15	1.24e-04	0.0	363.0	-0.61	0.33	-0.35	-0.48	-0.15	0.86
64	4	1.63	0.39	-3.14e-04	0.0	0.0	-8.53	0.03	-0.42	-0.68	0.39	0.25
		0.25	-0.30	7.69e-04	0.0	363.0	-0.36	0.03	-0.42	-0.68	-0.30	0.25
64	5	1.27	0.35	-2.34e-04	0.0	0.0	-8.65	0.17	-0.39	-0.59	0.35	0.09
		0.09	-0.23	4.68e-04	0.0	363.0	-0.48	0.17	-0.39	-0.59	-0.23	0.09
64	6	1.79	0.40	-3.48e-04	0.0	0.0	-8.48	-0.03	-0.43	-0.73	0.40	0.32
		0.32	-0.33	8.97e-04	0.0	363.0	-0.32	-0.03	-0.43	-0.73	-0.33	0.32
64	7	1.27	0.35	-2.34e-04	0.0	0.0	-8.65	0.17	-0.39	-0.59	0.35	0.09
		0.09	-0.23	4.68e-04	0.0	363.0	-0.48	0.17	-0.39	-0.59	-0.23	0.09
64	8	1.63	0.39	-3.14e-04	0.0	0.0	-8.53	0.03	-0.42	-0.68	0.39	0.25
		0.25	-0.30	7.69e-04	0.0	363.0	-0.36	0.03	-0.42	-0.68	-0.30	0.25
64	9	1.27	0.35	-2.34e-04	0.0	0.0	-8.65	0.17	-0.39	-0.59	0.35	0.09
		0.09	-0.23	4.68e-04	0.0	363.0	-0.48	0.17	-0.39	-0.59	-0.23	0.09
64	10	1.58	0.38	-3.02e-04	0.0	0.0	-8.55	0.05	-0.41	-0.67	0.38	0.23
		0.23	-0.29	7.26e-04	0.0	363.0	-0.38	0.05	-0.41	-0.67	-0.29	0.23
64	11	0.89	0.62	-1.51e-04	0.0	0.0	-12.23	-0.84	-0.13	-0.12	0.21	0.89
		0.66	0.21	5.25e-04	0.0	363.0	-4.06	-0.84	-0.13	-0.12	0.62	0.66
64	12	1.51	0.36	-6.79e-04	0.0	0.0	-8.57	0.99	-0.36	-0.87	0.36	-0.63
		-0.63	-0.26	1.82e-03	0.0	363.0	-0.40	0.99	-0.36	-0.87	-0.26	1.51
64	13	0.87	0.58	-1.88e-04	0.0	0.0	-11.79	-0.81	-0.12	-0.13	0.20	0.87
		0.68	0.20	7.00e-04	0.0	363.0	-3.62	-0.81	-0.12	-0.13	0.58	0.68
64	14	1.48	0.37	-6.37e-04	0.0	0.0	-9.01	0.95	-0.36	-0.86	0.37	-0.61
		-0.61	-0.22	1.64e-03	0.0	363.0	-0.84	0.95	-0.36	-0.86	-0.22	1.48
64	15	0.76	0.74	-1.01e-03	0.0	0.0	-11.14	1.11	-0.22	-0.73	0.29	-0.69
		-0.69	0.29	3.52e-03	0.0	363.0	-2.98	1.11	-0.22	-0.73	0.74	-0.69
64	16	1.41	0.27	1.83e-04	0.0	0.0	-9.65	-0.97	-0.27	-0.26	0.27	0.95
		0.95	-0.38	-1.17e-03	0.0	363.0	-1.49	-0.97	-0.27	-0.26	-0.38	0.95
64	17	0.49	0.93	-1.16e-03	0.0	0.0	-10.69	1.17	-0.12	-0.66	0.25	-0.80
		-0.80	0.25	4.11e-03	0.0	363.0	-2.53	1.17	-0.12	-0.66	0.93	-0.80
64	18	1.68	0.32	3.39e-04	0.0	0.0	-10.10	-1.03	-0.36	-0.34	0.32	1.06
		1.06	-0.57	-1.77e-03	0.0	363.0	-1.93	-1.03	-0.36	-0.34	-0.57	1.68
64	19	1.65	0.40	-8.12e-05	0.0	0.0	-8.53	-0.78	-0.46	-0.49	0.40	1.00
		1.00	-0.32	-2.54e-04	0.0	363.0	-0.36	-0.78	-0.46	-0.49	-0.32	1.65
64	20	1.52	0.36	-6.40e-04	0.0	0.0	-8.56	0.89	-0.36	-0.85	0.36	-0.54
		-0.54	-0.26	1.71e-03	0.0	363.0	-0.40	0.89	-0.36	-0.85	-0.26	1.52
64	21	1.67	0.39	-9.99e-05	0.0	0.0	-8.14	-0.75	-0.46	-0.50	0.39	0.97
		0.97	-0.35	-9.68e-05	0.0	363.0	0.03	-0.75	-0.46	-0.50	-0.35	0.97
64	22	1.49	0.37	-6.03e-04	0.0	0.0	-8.96	0.86	-0.37	-0.84	0.37	-0.52
		-0.52	-0.23	1.55e-03	0.0	363.0	-0.79	0.86	-0.37	-0.84	-0.23	1.49
64	23	1.74	0.48	-7.37e-04	0.0	0.0	-7.56	0.97	-0.54	-1.04	0.48	-0.42
		-0.42	-0.21	2.43e-03	0.0	363.0	0.61	0.97	-0.54	-1.04	-0.21	1.74

64	24	1.43	0.29	1.32e-04	0.0	0.0	-9.54	-0.86	-0.28	-0.30	0.29	0.88
		0.88	-0.37	-9.75e-04	0.0	363.0	-1.37	-0.86	-0.28	-0.30	-0.37	1.43
64	25	1.49	0.44	-8.77e-04	0.0	0.0	-7.16	1.02	-0.46	-0.97	0.44	-0.52
		-0.52	-0.04	2.96e-03	0.0	363.0	1.01	1.02	-0.46	-0.97	-0.04	1.49
64	26	1.67	0.32	2.72e-04	0.0	0.0	-9.94	-0.91	-0.36	-0.37	0.32	0.97
		0.97	-0.54	-1.51e-03	0.0	363.0	-1.77	-0.91	-0.36	-0.37	-0.54	1.67
65	1	-0.33	0.31	-1.00e-04	0.0	0.0	-17.43	0.51	-0.12	0.40	0.31	-0.57
		-0.57	0.07	6.16e-04	0.0	363.0	-6.81	0.51	-0.12	0.40	0.07	-0.33
65	2	-0.46	0.41	-1.88e-04	0.0	0.0	-21.20	0.63	-0.15	0.66	0.41	-0.70
		-0.70	0.10	1.12e-03	0.0	363.0	-10.59	0.63	-0.15	0.66	0.10	-0.46
65	3	-0.18	0.17	-2.33e-05	0.0	0.0	-11.08	0.31	-0.08	0.14	0.17	-0.35
		-0.35	0.04	1.66e-04	0.0	363.0	-2.91	0.31	-0.08	0.14	0.04	-0.18
65	4	-0.31	0.28	-1.11e-04	0.0	0.0	-14.86	0.44	-0.10	0.41	0.28	-0.49
		-0.49	0.07	6.66e-04	0.0	363.0	-6.69	0.44	-0.10	0.41	0.07	-0.31
65	5	-0.25	0.23	-6.99e-05	0.0	0.0	-13.09	0.38	-0.09	0.28	0.23	-0.42
		-0.42	0.05	4.33e-04	0.0	363.0	-4.93	0.38	-0.09	0.28	0.05	-0.25
65	6	-0.33	0.30	-1.28e-04	0.0	0.0	-15.61	0.46	-0.11	0.46	0.30	-0.52
		-0.52	0.07	7.66e-04	0.0	363.0	-7.45	0.46	-0.11	0.46	0.07	-0.33
65	7	-0.25	0.23	-6.99e-05	0.0	0.0	-13.09	0.38	-0.09	0.28	0.23	-0.42
		-0.42	0.05	4.33e-04	0.0	363.0	-4.93	0.38	-0.09	0.28	0.05	-0.25
65	8	-0.31	0.28	-1.11e-04	0.0	0.0	-14.86	0.44	-0.10	0.41	0.28	-0.49
		-0.49	0.07	6.66e-04	0.0	363.0	-6.69	0.44	-0.10	0.41	0.07	-0.31
65	9	-0.25	0.23	-6.99e-05	0.0	0.0	-13.09	0.38	-0.09	0.28	0.23	-0.42
		-0.42	0.05	4.33e-04	0.0	363.0	-4.93	0.38	-0.09	0.28	0.05	-0.25
65	10	-0.30	0.27	-1.05e-04	0.0	0.0	-14.61	0.43	-0.10	0.39	0.27	-0.48
		-0.48	0.06	6.33e-04	0.0	363.0	-6.44	0.43	-0.10	0.39	0.06	-0.30
65	11	-0.03	0.53	-1.90e-04	0.0	0.0	-13.96	-0.15	0.03	0.24	0.53	-0.03
		-0.13	0.15	9.34e-04	0.0	363.0	-5.79	-0.15	0.03	0.24	0.15	-0.13
65	12	-0.39	0.80	-3.50e-04	0.0	0.0	-15.19	0.76	-0.52	0.76	0.80	-0.86
		-0.86	0.20	1.71e-03	0.0	363.0	-7.02	0.76	-0.52	0.76	0.20	-0.39
65	13	-0.01	0.48	-2.09e-04	0.0	0.0	-13.99	-0.15	0.05	0.31	0.48	-0.01
		-0.13	0.13	1.04e-03	0.0	363.0	-5.82	-0.15	0.05	0.31	0.13	-0.13
65	14	-0.38	0.85	-3.31e-04	0.0	0.0	-15.16	0.76	-0.54	0.70	0.85	-0.88
		-0.88	0.22	1.60e-03	0.0	363.0	-6.99	0.76	-0.54	0.70	0.22	-0.38
65	15	-0.29	2.17	-7.75e-04	0.0	0.0	-15.23	0.13	-1.18	1.16	2.17	-0.45
		-0.45	0.60	3.91e-03	0.0	363.0	-7.07	0.13	-1.18	1.16	0.60	-0.29
65	16	-0.23	-0.25	2.35e-04	0.0	0.0	-13.91	0.48	0.68	-0.16	-0.85	-0.44
		-0.44	-0.85	-1.26e-03	0.0	363.0	-5.74	0.48	0.68	-0.16	-0.25	-0.23
65	17	-0.31	2.47	-8.98e-04	0.0	0.0	-15.33	0.17	-1.39	1.40	2.47	-0.51
		-0.51	0.69	4.44e-03	0.0	363.0	-7.16	0.17	-1.39	1.40	0.69	-0.31
65	18	-0.21	-0.34	3.58e-04	0.0	0.0	-13.82	0.44	0.90	-0.40	-1.15	-0.38
		-0.38	-1.15	-1.79e-03	0.0	363.0	-5.65	0.44	0.90	-0.40	-0.34	-0.21
65	19	-0.14	-0.06	1.15e-04	0.0	0.0	-14.08	0.13	0.28	0.06	-0.20	-0.14
		-0.22	-0.20	-3.36e-04	0.0	363.0	-5.92	0.13	0.28	0.06	-0.06	-0.22
65	20	-0.38	0.74	-3.25e-04	0.0	0.0	-15.13	0.72	-0.48	0.73	0.74	-0.82
		-0.82	0.19	1.60e-03	0.0	363.0	-6.96	0.72	-0.48	0.73	0.19	-0.38
65	21	-0.12	-0.08	9.75e-05	0.0	0.0	-14.11	0.13	0.29	0.12	-0.25	-0.12
		-0.22	-0.25	-2.37e-04	0.0	363.0	-5.95	0.13	0.29	0.12	-0.08	-0.22
65	22	-0.37	0.79	-3.07e-04	0.0	0.0	-15.10	0.73	-0.50	0.66	0.79	-0.84
		-0.84	0.20	1.50e-03	0.0	363.0	-6.93	0.73	-0.50	0.66	0.20	-0.37
65	23	-0.36	1.27	-4.09e-04	0.0	0.0	-15.23	0.39	-0.80	0.88	1.27	-0.51
		-0.51	0.34	2.33e-03	0.0	363.0	-7.06	0.39	-0.80	0.88	0.34	-0.36
65	24	-0.23	-0.22	1.99e-04	0.0	0.0	-13.98	0.47	0.60	-0.10	-0.73	-0.44
		-0.44	-0.73	-1.06e-03	0.0	363.0	-5.82	0.47	0.60	-0.10	-0.22	-0.23
65	25	-0.38	1.54	-5.20e-04	0.0	0.0	-15.31	0.41	-1.00	1.10	1.54	-0.57
		-0.57	0.42	2.80e-03	0.0	363.0	-7.14	0.41	-1.00	1.10	0.42	-0.38
65	26	-0.22	-0.30	3.10e-04	0.0	0.0	-13.90	0.44	0.79	-0.32	-1.00	-0.39
		-0.39	-1.00	-1.54e-03	0.0	363.0	-5.73	0.44	0.79	-0.32	-0.30	-0.22
66	1	-0.45	0.67	-6.42e-05	0.0	0.0	-18.94	0.50	-0.33	-0.08	0.67	-0.45
		-0.53	0.33	-5.34e-05	0.0	363.0	-8.33	0.50	-0.33	-0.08	0.33	-0.53
66	2	-0.68	0.79	-8.90e-05	0.0	0.0	-23.69	0.75	-0.40	-2.42e-03	0.79	-0.68
		-0.78	0.39	1.17e-04	0.0	363.0	-13.07	0.75	-0.40	-2.42e-03	0.39	-0.78
66	3	-0.21	0.43	-3.41e-05	0.0	0.0	-11.66	0.23	-0.22	-0.11	0.43	-0.21
		-0.25	0.22	-1.15e-04	0.0	363.0	-3.49	0.23	-0.22	-0.11	0.22	-0.25
66	4	-0.43	0.56	-5.89e-05	0.0	0.0	-16.40	0.48	-0.28	-0.03	0.56	-0.43
		-0.50	0.28	3.31e-05	0.0	363.0	-8.23	0.48	-0.28	-0.03	0.28	-0.50
66	5	-0.33	0.50	-4.73e-05	0.0	0.0	-14.18	0.37	-0.25	-0.07	0.50	-0.33
		-0.39	0.25	-4.82e-05	0.0	363.0	-6.02	0.37	-0.25	-0.07	0.25	-0.39
66	6	-0.48	0.59	-6.39e-05	0.0	0.0	-17.34	0.53	-0.29	-0.02	0.59	-0.48
		-0.56	0.29	6.28e-05	0.0	363.0	-9.18	0.53	-0.29	-0.02	0.29	-0.56
66	7	-0.33	0.50	-4.73e-05	0.0	0.0	-14.18	0.37	-0.25	-0.07	0.50	-0.33
		-0.39	0.25	-4.82e-05	0.0	363.0	-6.02	0.37	-0.25	-0.07	0.25	-0.39
66	8	-0.43	0.56	-5.89e-05	0.0	0.0	-16.40	0.48	-0.28	-0.03	0.56	-0.43
		-0.50	0.28	3.31e-05	0.0	363.0	-8.23	0.48	-0.28	-0.03	0.28	-0.50

66	9	-0.33	0.50	-4.73e-05	0.0	0.0	-14.18	0.37	-0.25	-0.07	0.50	-0.33
		-0.39	0.25	-4.82e-05	0.0	363.0	-6.02	0.37	-0.25	-0.07	0.25	-0.39
66	10	-0.42	0.55	-5.73e-05	0.0	0.0	-16.08	0.47	-0.28	-0.04	0.55	-0.42
		-0.49	0.27	2.32e-05	0.0	363.0	-7.91	0.47	-0.28	-0.04	0.27	-0.49
66	11	-0.18	2.41	3.81e-05	0.0	0.0	-14.76	0.24	-1.32	-0.24	2.41	-0.18
		-0.42	0.82	1.94e-03	0.0	363.0	-6.59	0.24	-1.32	-0.24	0.82	-0.42
66	12	-0.51	0.60	-1.50e-04	0.0	0.0	-16.66	0.69	-0.27	0.11	0.60	-0.66
		-0.66	0.31	4.65e-05	0.0	363.0	-8.49	0.69	-0.27	0.11	0.31	-0.51
66	13	-0.21	2.41	3.28e-05	0.0	0.0	-14.81	0.27	-1.31	-0.20	2.41	-0.21
		-0.44	0.82	1.94e-03	0.0	363.0	-6.64	0.27	-1.31	-0.20	0.82	-0.44
66	14	-0.50	0.60	-1.39e-04	0.0	0.0	-16.61	0.66	-0.28	0.07	0.60	-0.63
		-0.63	0.31	4.89e-05	0.0	363.0	-8.44	0.66	-0.28	0.07	0.31	-0.50
66	15	-0.39	5.05	-6.31e-05	0.0	0.0	-14.40	0.48	-3.10	0.15	5.05	-0.46
		-0.46	1.74	3.71e-03	0.0	363.0	-6.23	0.48	-3.10	0.15	1.74	-0.39
66	16	-0.38	-0.60	-6.08e-05	0.0	0.0	-17.02	0.44	1.50	-0.28	-2.04	-0.38
		-0.54	-2.04	-1.72e-03	0.0	363.0	-8.85	0.44	1.50	-0.28	-0.60	-0.54
66	17	-0.40	4.72	-1.05e-04	0.0	0.0	-14.65	0.51	-2.86	0.32	4.72	-0.49
		-0.49	1.64	3.57e-03	0.0	363.0	-6.49	0.51	-2.86	0.32	1.64	-0.40
66	18	-0.35	-0.51	2.39e-05	0.0	0.0	-16.76	0.42	1.27	-0.45	-1.71	-0.35
		-0.54	-1.71	-1.58e-03	0.0	363.0	-8.60	0.42	1.27	-0.45	-0.51	-0.54
66	19	-0.20	0.51	4.03e-05	0.0	0.0	-15.56	0.27	-0.28	-0.16	0.51	-0.20
		-0.46	0.24	-2.68e-05	0.0	363.0	-7.39	0.27	-0.28	-0.16	0.24	-0.46
66	20	-0.51	0.59	-1.40e-04	0.0	0.0	-16.60	0.67	-0.27	0.09	0.59	-0.64
		-0.64	0.31	4.41e-05	0.0	363.0	-8.43	0.67	-0.27	0.09	0.31	-0.51
66	21	-0.23	0.51	3.55e-05	0.0	0.0	-15.60	0.29	-0.27	-0.13	0.51	-0.23
		-0.48	0.24	-2.79e-05	0.0	363.0	-7.44	0.29	-0.27	-0.13	0.24	-0.48
66	22	-0.50	0.60	-1.31e-04	0.0	0.0	-16.56	0.64	-0.28	0.06	0.60	-0.61
		-0.61	0.31	4.62e-05	0.0	363.0	-8.39	0.64	-0.28	0.06	0.31	-0.50
66	23	-0.44	2.88	-5.41e-05	0.0	0.0	-15.24	0.49	-1.87	0.19	2.88	-0.45
		-0.45	1.06	1.59e-03	0.0	363.0	-7.07	0.49	-1.87	0.19	1.06	-0.44
66	24	-0.39	-0.51	-6.04e-05	0.0	0.0	-16.92	0.45	1.31	-0.26	-1.77	-0.39
		-0.54	-1.77	-1.54e-03	0.0	363.0	-8.75	0.45	1.31	-0.26	-0.51	-0.54
66	25	-0.44	2.58	-9.13e-05	0.0	0.0	-15.47	0.51	-1.66	0.33	2.58	-0.48
		-0.48	0.97	1.46e-03	0.0	363.0	-7.30	0.51	-1.66	0.33	0.97	-0.44
66	26	-0.36	-0.43	-2.32e-05	0.0	0.0	-16.69	0.42	1.11	-0.40	-1.48	-0.36
		-0.54	-1.48	-1.42e-03	0.0	363.0	-8.53	0.42	1.11	-0.40	-0.43	-0.54
67	1	2.20	13.45	-1.68e-04	0.0	0.0	-29.44	-2.30	-8.76	0.68	10.02	2.05
		2.05	10.02	-7.35e-04	0.0	363.0	-18.82	-2.30	-8.76	0.68	13.45	2.20
67	2	3.37	19.89	-2.64e-04	0.0	0.0	-34.37	-3.49	-9.17	0.82	9.95	3.11
		3.11	9.95	-8.28e-04	0.0	363.0	-23.75	-3.49	-9.17	0.82	19.89	3.37
67	3	0.97	7.76	-7.05e-05	0.0	0.0	-19.61	-1.04	-6.49	0.43	7.76	0.92
		0.92	6.39	-5.08e-04	0.0	363.0	-11.44	-1.04	-6.49	0.43	6.39	0.97
67	4	2.14	12.82	-1.66e-04	0.0	0.0	-24.54	-2.23	-6.90	0.58	7.68	1.98
		1.98	7.68	-6.01e-04	0.0	363.0	-16.37	-2.23	-6.90	0.58	12.82	2.14
67	5	1.59	9.82	-1.22e-04	0.0	0.0	-22.24	-1.67	-6.71	0.51	7.72	1.49
		1.49	7.72	-5.58e-04	0.0	363.0	-14.07	-1.67	-6.71	0.51	9.82	1.59
67	6	2.37	14.11	-1.86e-04	0.0	0.0	-25.53	-2.47	-6.98	0.61	7.67	2.20
		2.20	7.67	-6.20e-04	0.0	363.0	-17.36	-2.47	-6.98	0.61	14.11	2.37
67	7	1.59	9.82	-1.22e-04	0.0	0.0	-22.24	-1.67	-6.71	0.51	7.72	1.49
		1.49	7.72	-5.58e-04	0.0	363.0	-14.07	-1.67	-6.71	0.51	9.82	1.59
67	8	2.14	12.82	-1.66e-04	0.0	0.0	-24.54	-2.23	-6.90	0.58	7.68	1.98
		1.98	7.68	-6.01e-04	0.0	363.0	-16.37	-2.23	-6.90	0.58	12.82	2.14
67	9	1.59	9.82	-1.22e-04	0.0	0.0	-22.24	-1.67	-6.71	0.51	7.72	1.49
		1.49	7.72	-5.58e-04	0.0	363.0	-14.07	-1.67	-6.71	0.51	9.82	1.59
67	10	2.06	12.40	-1.60e-04	0.0	0.0	-24.21	-2.15	-6.87	0.57	7.69	1.91
		1.91	7.69	-5.95e-04	0.0	363.0	-16.04	-2.15	-6.87	0.57	12.40	2.06
67	11	1.79	11.29	-1.17e-04	0.0	0.0	-22.67	-1.95	-7.93	-0.12	9.29	1.78
		1.78	9.29	6.54e-04	0.0	363.0	-14.51	-1.95	-7.93	-0.12	11.29	1.79
67	12	2.11	11.62	-2.22e-04	0.0	0.0	-23.83	-2.12	-9.91	1.25	11.56	1.84
		1.84	11.56	8.59e-04	0.0	363.0	-15.66	-2.12	-9.91	1.25	11.62	2.11
67	13	1.81	11.19	-1.25e-04	0.0	0.0	-22.65	-1.97	-8.41	-0.05	9.90	1.80
		1.80	9.90	7.34e-04	0.0	363.0	-14.48	-1.97	-8.41	-0.05	11.19	1.81
67	14	2.09	11.72	-2.12e-04	0.0	0.0	-23.85	-2.09	-9.43	1.18	10.95	1.82
		1.82	10.95	7.79e-04	0.0	363.0	-15.69	-2.09	-9.43	1.18	11.72	2.09
67	15	1.98	23.73	-2.47e-04	0.0	0.0	-21.19	-2.18	-18.99	0.80	23.73	1.96
		1.96	7.68	2.74e-03	0.0	363.0	-13.03	-2.18	-18.99	0.80	7.68	1.98
67	16	1.92	15.23	-9.62e-05	0.0	0.0	-25.31	-1.88	1.14	0.33	-2.89	1.66
		1.66	-2.89	-1.35e-03	0.0	363.0	-17.14	-1.88	1.14	0.33	15.23	1.92
67	17	1.91	25.62	-2.67e-04	0.0	0.0	-20.70	-2.10	-20.47	1.00	25.62	1.88
		1.88	7.30	3.01e-03	0.0	363.0	-12.53	-2.10	-20.47	1.00	7.30	1.91
67	18	1.98	15.61	1.16e-04	0.0	0.0	-25.80	-1.97	2.63	0.13	-4.78	1.74
		1.74	-4.78	-1.57e-03	0.0	363.0	-17.63	-1.97	2.63	0.13	15.61	1.98
67	19	2.02	13.09	-1.12e-04	0.0	0.0	-24.56	-2.18	-4.14	-0.04	4.22	1.98
		1.98	4.22	-7.43e-04	0.0	363.0	-16.39	-2.18	-4.14	-0.04	13.09	2.02

67	20	2.10	11.70	-2.15e-04	0.0	0.0	-23.87	-2.12	-9.60	1.18	11.15	1.85
		1.85	11.15	8.03e-04	0.0	363.0	-15.70	-2.12	-9.60	1.18	11.70	2.10
67	21	2.04	13.00	-1.19e-04	0.0	0.0	-24.53	-2.20	-4.58	0.02	4.76	1.99
		1.99	4.76	-7.17e-04	0.0	363.0	-16.36	-2.20	-4.58	0.02	13.00	2.04
67	22	2.09	11.79	-2.06e-04	0.0	0.0	-23.89	-2.10	-9.16	1.12	10.61	1.83
		1.83	10.61	7.30e-04	0.0	363.0	-15.72	-2.10	-9.16	1.12	11.79	2.09
67	23	2.19	17.17	-2.22e-04	0.0	0.0	-23.23	-2.39	-14.05	0.78	17.17	2.14
		2.14	9.86	1.70e-03	0.0	363.0	-15.06	-2.39	-14.05	0.78	9.86	2.19
67	24	1.93	14.93	-1.02e-04	0.0	0.0	-25.19	-1.91	0.31	0.35	-1.79	1.69
		1.69	-1.79	-1.25e-03	0.0	363.0	-17.02	-1.91	0.31	0.35	14.93	1.93
67	25	2.13	18.86	-2.39e-04	0.0	0.0	-22.79	-2.31	-15.38	0.96	18.86	2.07
		2.07	9.51	1.93e-03	0.0	363.0	-14.62	-2.31	-15.38	0.96	9.51	2.13
67	26	1.99	15.28	1.02e-04	0.0	0.0	-25.63	-1.99	1.64	0.17	-3.49	1.76
		1.76	-3.49	-1.41e-03	0.0	363.0	-17.47	-1.99	1.64	0.17	15.28	1.99
68	1	-2.16	12.92	1.57e-04	0.0	0.0	-29.88	2.44	-7.28	-0.15	8.63	-2.16
		-2.63	8.63	-7.02e-04	0.0	363.0	-19.26	2.44	-7.28	-0.15	12.92	-2.63
68	2	-3.39	19.24	2.48e-04	0.0	0.0	-35.92	3.84	-7.30	-0.16	8.16	-3.39
		-4.19	8.16	-7.94e-04	0.0	363.0	-25.30	3.84	-7.30	-0.16	19.24	-4.19
68	3	-0.91	6.93	6.47e-05	0.0	0.0	-19.27	1.01	-5.59	-0.11	6.93	-0.91
		-1.07	6.05	-4.83e-04	0.0	363.0	-11.10	1.01	-5.59	-0.11	6.05	-1.07
68	4	-2.14	12.37	1.56e-04	0.0	0.0	-25.31	2.41	-5.61	-0.12	6.46	-2.14
		-2.62	6.46	-5.75e-04	0.0	363.0	-17.14	2.41	-5.61	-0.12	12.37	-2.62
68	5	-1.56	9.42	1.13e-04	0.0	0.0	-22.49	1.76	-5.60	-0.12	6.68	-1.56
		-1.90	6.68	-5.32e-04	0.0	363.0	-14.32	1.76	-5.60	-0.12	9.42	-1.90
68	6	-2.38	13.63	1.74e-04	0.0	0.0	-26.52	2.69	-5.61	-0.12	6.37	-2.38
		-2.94	6.37	-5.94e-04	0.0	363.0	-18.35	2.69	-5.61	-0.12	13.63	-2.94
68	7	-1.56	9.42	1.13e-04	0.0	0.0	-22.49	1.76	-5.60	-0.12	6.68	-1.56
		-1.90	6.68	-5.32e-04	0.0	363.0	-14.32	1.76	-5.60	-0.12	9.42	-1.90
68	8	-2.14	12.37	1.56e-04	0.0	0.0	-25.31	2.41	-5.61	-0.12	6.46	-2.14
		-2.62	6.46	-5.75e-04	0.0	363.0	-17.14	2.41	-5.61	-0.12	12.37	-2.62
68	9	-1.56	9.42	1.13e-04	0.0	0.0	-22.49	1.76	-5.60	-0.12	6.68	-1.56
		-1.90	6.68	-5.32e-04	0.0	363.0	-14.32	1.76	-5.60	-0.12	9.42	-1.90
68	10	-2.06	11.95	1.50e-04	0.0	0.0	-24.91	2.32	-5.61	-0.12	6.49	-2.06
		-2.52	6.49	-5.69e-04	0.0	363.0	-16.74	2.32	-5.61	-0.12	11.95	-2.52
68	11	-1.73	13.36	1.57e-04	0.0	0.0	-25.43	2.00	-11.02	-1.42	12.43	-1.73
		-2.06	12.43	7.94e-04	0.0	363.0	-17.27	2.00	-11.02	-1.42	13.36	-2.06
68	12	-2.06	11.59	-1.55e-04	0.0	0.0	-24.87	2.29	-7.04	0.36	8.47	-2.06
		-2.66	8.47	5.23e-04	0.0	363.0	-16.70	2.29	-7.04	0.36	11.59	-2.66
68	13	-1.74	13.28	1.52e-04	0.0	0.0	-25.44	2.00	-11.27	-1.37	12.77	-1.74
		-2.10	12.77	8.43e-04	0.0	363.0	-17.27	2.00	-11.27	-1.37	13.28	-2.10
68	14	-2.05	11.66	-1.41e-04	0.0	0.0	-24.86	2.28	-6.80	0.31	8.12	-2.05
		-2.62	8.12	-5.06e-04	0.0	363.0	-16.70	2.28	-6.80	0.31	11.66	-2.62
68	15	-1.45	25.99	-1.39e-04	0.0	0.0	-25.97	1.64	-21.22	-1.30	25.99	-1.45
		-1.87	10.75	2.57e-03	0.0	363.0	-17.80	1.64	-21.22	-1.30	10.75	-1.87
68	16	-2.35	14.19	2.02e-04	0.0	0.0	-24.33	2.65	3.15	0.24	-5.10	-2.35
		-2.85	-5.10	-1.32e-03	0.0	363.0	-16.16	2.65	3.15	0.24	14.19	-2.85
68	17	-1.50	26.87	-1.81e-04	0.0	0.0	-25.80	1.70	-21.79	-1.06	26.87	-1.50
		-1.97	10.40	2.73e-03	0.0	363.0	-17.64	1.70	-21.79	-1.06	10.40	-1.97
68	18	-2.30	14.54	2.17e-04	0.0	0.0	-24.50	2.59	3.73	4.22e-03	-5.98	-2.30
		-2.74	-5.98	-1.46e-03	0.0	363.0	-16.33	2.59	3.73	4.22e-03	14.54	-2.74
68	19	-2.05	12.27	1.94e-04	0.0	0.0	-24.94	2.34	-4.32	-0.55	4.72	-2.05
		-2.40	4.72	-6.41e-04	0.0	363.0	-16.77	2.34	-4.32	-0.55	12.27	-2.40
68	20	-2.06	11.62	-1.43e-04	0.0	0.0	-24.87	2.30	-6.90	0.31	8.26	-2.06
		-2.64	8.26	-5.03e-04	0.0	363.0	-16.70	2.30	-6.90	0.31	11.62	-2.64
68	21	-2.06	12.21	1.90e-04	0.0	0.0	-24.94	2.35	-4.54	-0.51	5.03	-2.06
		-2.43	5.03	-6.28e-04	0.0	363.0	-16.78	2.35	-4.54	-0.51	12.21	-2.43
68	22	-2.05	11.69	-1.31e-04	0.0	0.0	-24.87	2.29	-6.67	0.27	7.96	-2.05
		-2.61	7.96	-5.10e-04	0.0	363.0	-16.70	2.29	-6.67	0.27	11.69	-2.61
68	23	-1.79	16.88	1.04e-04	0.0	0.0	-25.42	2.03	-13.46	-0.45	16.88	-1.79
		-2.23	9.94	1.58e-03	0.0	363.0	-17.25	2.03	-13.46	-0.45	9.94	-2.23
68	24	-2.32	13.96	1.97e-04	0.0	0.0	-24.39	2.61	2.24	0.20	-3.90	-2.32
		-2.82	-3.90	-1.20e-03	0.0	363.0	-16.22	2.61	2.24	0.20	13.96	-2.82
68	25	-1.84	17.67	-1.33e-04	0.0	0.0	-25.27	2.08	-13.97	-0.23	17.67	-1.84
		-2.32	9.62	1.73e-03	0.0	363.0	-17.11	2.08	-13.97	-0.23	9.62	-2.32
68	26	-2.27	14.27	2.10e-04	0.0	0.0	-24.54	2.56	2.76	-8.81e-03	-4.68	-2.27
		-2.72	-4.68	-1.32e-03	0.0	363.0	-16.37	2.56	2.76	-8.81e-03	14.27	-2.72
69	1	0.03	2.47	1.60e-05	0.0	0.0	-6.72	0.17	-1.76	1.00	2.47	-0.43
		-0.43	1.57	3.83e-04	0.0	363.0	3.90	0.17	-1.76	1.00	1.57	0.03
69	2	0.14	2.44	-1.59e-05	0.0	0.0	-7.79	0.04	-1.59	1.34	2.44	-0.38
		-0.38	1.89	7.32e-04	0.0	363.0	2.83	0.04	-1.59	1.34	1.89	0.14
69	3	-0.04	1.92	2.11e-05	0.0	0.0	-4.51	0.21	-1.46	0.56	1.92	-0.37
		-0.37	1.01	8.00e-05	0.0	363.0	3.65	0.21	-1.46	0.56	1.01	-0.04
69	4	0.06	1.89	7.69e-06	0.0	0.0	-5.58	0.08	-1.29	0.90	1.89	-0.31
		-0.31	1.33	4.29e-04	0.0	363.0	2.59	0.08	-1.29	0.90	1.33	0.06

69	5	0.02	1.90	1.33e-05	0.0	0.0	-5.08	0.14	-1.37	0.75	1.90	-0.34
		-0.34	1.18	2.66e-04	0.0	363.0	3.08	0.14	-1.37	0.75	1.18	0.02
69	6	0.09	1.88	-9.08e-06	0.0	0.0	-5.80	0.06	-1.25	0.97	1.88	-0.30
		-0.30	1.39	4.99e-04	0.0	363.0	2.37	0.06	-1.25	0.97	1.39	0.09
69	7	0.02	1.90	1.33e-05	0.0	0.0	-5.08	0.14	-1.37	0.75	1.90	-0.34
		-0.34	1.18	2.66e-04	0.0	363.0	3.08	0.14	-1.37	0.75	1.18	0.02
69	8	0.06	1.89	7.69e-06	0.0	0.0	-5.58	0.08	-1.29	0.90	1.89	-0.31
		-0.31	1.33	4.29e-04	0.0	363.0	2.59	0.08	-1.29	0.90	1.33	0.06
69	9	0.02	1.90	1.33e-05	0.0	0.0	-5.08	0.14	-1.37	0.75	1.90	-0.34
		-0.34	1.18	2.66e-04	0.0	363.0	3.08	0.14	-1.37	0.75	1.18	0.02
69	10	0.06	1.89	8.49e-06	0.0	0.0	-5.51	0.09	-1.30	0.88	1.89	-0.32
		-0.32	1.31	4.06e-04	0.0	363.0	2.66	0.09	-1.30	0.88	1.31	0.06
69	11	0.37	1.34	4.80e-05	0.0	0.0	-8.64	-0.26	-0.04	0.72	0.57	0.11
		0.11	0.57	3.94e-04	0.0	363.0	-0.48	-0.26	-0.04	0.72	1.34	0.37
69	12	-0.23	2.74	-1.14e-04	0.0	0.0	-4.16	3.61e-03	-2.14	1.49	2.74	-0.37
		-0.37	1.62	1.13e-03	0.0	363.0	4.00	3.61e-03	-2.14	1.49	1.62	-0.23
69	13	0.36	1.36	3.35e-05	0.0	0.0	-8.17	-0.27	-0.11	0.76	0.66	0.12
		0.12	0.66	4.92e-04	0.0	363.0	-6.37e-03	-0.27	-0.11	0.76	1.36	0.36
69	14	-0.22	2.65	-9.91e-05	0.0	0.0	-4.63	0.02	-2.07	1.45	2.65	-0.38
		-0.38	1.60	1.03e-03	0.0	363.0	3.53	0.02	-2.07	1.45	1.60	-0.22
69	15	0.33	2.52	-1.79e-04	0.0	0.0	-3.01	-0.70	-1.56	1.76	2.41	0.33
		0.26	2.41	2.54e-03	0.0	363.0	5.16	-0.70	-1.56	1.76	2.52	0.26
69	16	-0.13	0.89	1.13e-04	0.0	0.0	-9.80	0.45	-0.62	0.45	0.89	-0.59
		-0.59	0.43	-1.01e-03	0.0	363.0	-1.63	0.45	-0.62	0.45	0.43	-0.13
69	17	0.37	2.71	-2.18e-04	0.0	0.0	-2.48	-0.80	-1.84	2.03	2.71	0.37
		0.21	2.67	2.86e-03	0.0	363.0	5.69	-0.80	-1.84	2.03	2.67	0.21
69	18	-0.07	0.60	1.52e-04	0.0	0.0	-10.33	0.55	-0.34	0.18	0.60	-0.63
		-0.63	0.28	-1.34e-03	0.0	363.0	-2.16	0.55	-0.34	0.18	0.28	-0.07
69	19	0.32	1.12	9.33e-05	0.0	0.0	-6.72	0.17	-0.55	0.33	1.12	-0.27
		-0.27	1.03	-2.50e-04	0.0	363.0	1.45	0.17	-0.55	0.33	1.03	0.32
69	20	-0.20	2.65	-1.02e-04	0.0	0.0	-4.30	0.01	-2.05	1.43	2.65	-0.37
		-0.37	1.58	1.06e-03	0.0	363.0	3.86	0.01	-2.05	1.43	1.58	-0.20
69	21	0.31	1.21	8.03e-05	0.0	0.0	-6.30	0.16	-0.61	0.37	1.21	-0.26
		-0.26	1.05	-1.81e-04	0.0	363.0	1.87	0.16	-0.61	0.37	1.05	0.31
69	22	-0.19	2.57	-8.93e-05	0.0	0.0	-4.72	0.02	-1.99	1.39	2.57	-0.37
		-0.37	1.57	9.69e-04	0.0	363.0	3.44	0.02	-1.99	1.39	1.57	-0.19
69	23	0.22	2.78	-1.10e-04	0.0	0.0	-1.67	-0.23	-1.91	1.27	2.78	-0.07
		-0.07	2.10	1.68e-03	0.0	363.0	6.50	-0.23	-1.91	1.27	2.10	0.22
69	24	-0.11	1.00	1.01e-04	0.0	0.0	-9.35	0.42	-0.69	0.49	1.00	-0.56
		-0.56	0.52	-8.68e-04	0.0	363.0	-1.19	0.42	-0.69	0.49	0.52	-0.11
69	25	0.17	3.05	-1.45e-04	0.0	0.0	-1.19	-0.32	-2.16	1.51	3.05	-0.03
		-0.03	2.23	1.97e-03	0.0	363.0	6.98	-0.32	-2.16	1.51	2.23	0.17
69	26	-0.05	0.73	1.36e-04	0.0	0.0	-9.83	0.50	-0.44	0.25	0.73	-0.60
		-0.60	0.38	-1.16e-03	0.0	363.0	-1.66	0.50	-0.44	0.25	0.38	-0.05
70	1	23.16	2.59	-5.56e-04	0.0	0.0	-405.36	10.42	-1.18	0.08	2.59	-14.66
		-14.66	-1.70	2.32e-04	0.0	363.0	-394.74	10.42	-1.18	0.08	-1.70	23.16
70	2	37.12	4.05	-8.62e-04	0.0	0.0	-620.06	16.68	-1.78	0.12	4.05	-23.43
		-23.43	-2.40	5.43e-04	0.0	363.0	-609.44	16.68	-1.78	0.12	-2.40	37.12
70	3	9.22	1.10	-2.39e-04	0.0	0.0	-179.69	4.16	-0.54	0.04	1.10	-5.88
		-5.88	-0.87	-1.90e-05	0.0	363.0	-171.52	4.16	-0.54	0.04	-0.87	9.22
70	4	23.19	2.55	-5.46e-04	0.0	0.0	-394.39	10.42	-1.14	0.08	2.55	-14.65
		-14.65	-1.58	2.98e-04	0.0	363.0	-386.22	10.42	-1.14	0.08	-1.58	23.19
70	5	16.67	1.88	-4.03e-04	0.0	0.0	-294.20	7.50	-0.86	0.06	1.88	-10.56
		-10.56	-1.25	1.53e-04	0.0	363.0	-286.03	7.50	-0.86	0.06	-1.25	16.67
70	6	25.98	2.85	-6.07e-04	0.0	0.0	-437.33	11.68	-1.26	0.09	2.85	-16.41
		-16.41	-1.72	3.60e-04	0.0	363.0	-429.16	11.68	-1.26	0.09	-1.72	25.98
70	7	16.67	1.88	-4.03e-04	0.0	0.0	-294.20	7.50	-0.86	0.06	1.88	-10.56
		-10.56	-1.25	1.53e-04	0.0	363.0	-286.03	7.50	-0.86	0.06	-1.25	16.67
70	8	23.19	2.55	-5.46e-04	0.0	0.0	-394.39	10.42	-1.14	0.08	2.55	-14.65
		-14.65	-1.58	2.98e-04	0.0	363.0	-386.22	10.42	-1.14	0.08	-1.58	23.19
70	9	16.67	1.88	-4.03e-04	0.0	0.0	-294.20	7.50	-0.86	0.06	1.88	-10.56
		-10.56	-1.25	1.53e-04	0.0	363.0	-286.03	7.50	-0.86	0.06	-1.25	16.67
70	10	22.25	2.46	-5.25e-04	0.0	0.0	-380.08	10.01	-1.10	0.08	2.46	-14.07
		-14.07	-1.53	2.77e-04	0.0	363.0	-371.91	10.01	-1.10	0.08	-1.53	22.25
70	11	15.60	5.80	5.37e-04	0.0	0.0	-378.31	6.32	-2.86	-0.23	5.80	-7.35
		-7.35	-4.58	6.51e-04	0.0	363.0	-370.14	6.32	-2.86	-0.23	-4.58	15.60
70	12	30.26	7.64	-1.25e-03	0.0	0.0	-381.54	14.42	-3.87	0.48	7.64	-22.08
		-22.08	-6.40	8.57e-04	0.0	363.0	-373.37	14.42	-3.87	0.48	-6.40	30.26
70	13	16.11	6.58	4.64e-04	0.0	0.0	-378.32	6.63	-3.27	-0.18	6.58	-7.95
		-7.95	-5.31	7.37e-04	0.0	363.0	-370.15	6.63	-3.27	-0.18	-5.31	16.11
70	14	29.74	6.87	-1.19e-03	0.0	0.0	-381.53	14.11	-3.45	0.43	6.87	-21.47
		-21.47	-5.67	7.71e-04	0.0	363.0	-373.36	14.11	-3.45	0.43	-5.67	29.74
70	15	25.84	25.40	-8.39e-04	0.0	0.0	-379.02	11.98	-13.26	0.55	25.40	-17.64
		-17.64	-22.73	2.88e-03	0.0	363.0	-370.86	11.98	-13.26	0.55	-22.73	25.84

70	16	20.01	11.75	-3.37e-04	0.0	0.0	-380.82	8.76	6.53	-0.30	-11.95	-11.79
		-11.79	-11.95	-1.37e-03	0.0	363.0	-372.66	8.76	6.53	-0.30	11.75	20.01
70	17	27.92	27.83	-1.04e-03	0.0	0.0	-378.94	13.15	-14.52	0.75	27.83	-19.80
		-19.80	-24.87	3.16e-03	0.0	363.0	-370.77	13.15	-14.52	0.75	-24.87	27.92
70	18	17.93	13.90	3.03e-04	0.0	0.0	-380.91	7.59	7.79	-0.50	-14.38	-9.63
		-9.63	-14.38	-1.65e-03	0.0	363.0	-372.74	7.59	7.79	-0.50	13.90	17.93
70	19	15.08	2.83	5.84e-04	0.0	0.0	-378.77	6.05	1.38	-0.28	-2.19	-6.89
		-6.89	-2.19	-2.44e-04	0.0	363.0	-370.60	6.05	1.38	-0.28	2.83	15.08
70	20	29.43	7.11	-1.18e-03	0.0	0.0	-381.39	13.96	-3.58	0.44	7.11	-21.25
		-21.25	-5.89	7.97e-04	0.0	363.0	-373.22	13.96	-3.58	0.44	-5.89	29.43
70	21	15.54	2.18	5.19e-04	0.0	0.0	-378.77	6.33	1.01	-0.24	-1.50	-7.43
		-7.43	-1.50	-1.71e-04	0.0	363.0	-370.61	6.33	1.01	-0.24	2.18	15.54
70	22	28.97	6.42	-1.12e-03	0.0	0.0	-381.38	13.68	-3.21	0.40	6.42	-20.71
		-20.71	-5.24	7.20e-04	0.0	363.0	-373.21	13.68	-3.21	0.40	-5.24	28.97
70	23	24.26	15.38	-7.03e-04	0.0	0.0	-379.41	11.12	-7.94	0.41	15.38	-16.11
		-16.11	-13.43	1.75e-03	0.0	363.0	-371.24	11.12	-7.94	0.41	-13.43	24.26
70	24	20.24	10.38	-3.54e-04	0.0	0.0	-380.75	8.89	5.74	-0.26	-10.46	-12.03
		-12.03	-10.46	-1.20e-03	0.0	363.0	-372.58	8.89	5.74	-0.26	10.38	20.24
70	25	26.13	17.55	-8.80e-04	0.0	0.0	-379.33	12.17	-9.06	0.59	17.55	-18.05
		-18.05	-15.36	2.01e-03	0.0	363.0	-371.16	12.17	-9.06	0.59	-15.36	26.13
70	26	18.38	12.30	2.54e-04	0.0	0.0	-380.83	7.84	6.87	-0.44	-12.63	-10.09
		-10.09	-12.63	-1.45e-03	0.0	363.0	-372.66	7.84	6.87	-0.44	12.30	18.38
170	1	4.72	7.74	-1.96e-04	0.0	0.0	-125.80	2.17	-5.81	0.11	7.74	-3.18
		-3.18	-13.33	3.62e-04	0.0	363.0	-115.19	2.17	-5.81	0.11	-13.33	4.72
170	2	7.55	14.28	-2.98e-04	0.0	0.0	-181.53	3.48	-10.14	0.19	14.28	-5.07
		-5.07	-22.51	7.28e-04	0.0	363.0	-170.92	3.48	-10.14	0.19	-22.51	7.55
170	3	1.88	1.93	-8.94e-05	0.0	0.0	-62.48	0.87	-1.80	0.04	1.93	-1.28
		-1.28	-4.61	-6.98e-05	0.0	363.0	-54.31	0.87	-1.80	0.04	-4.61	1.88
170	4	4.72	8.47	-1.90e-04	0.0	0.0	-118.21	2.17	-6.13	0.11	8.47	-3.17
		-3.17	-13.79	4.19e-04	0.0	363.0	-110.04	2.17	-6.13	0.11	-13.79	4.72
170	5	3.39	5.42	-1.43e-04	0.0	0.0	-92.20	1.57	-4.11	0.08	5.42	-2.29
		-2.29	-9.50	2.49e-04	0.0	363.0	-84.03	1.57	-4.11	0.08	-9.50	3.39
170	6	5.28	9.78	-2.10e-04	0.0	0.0	-129.35	2.43	-7.00	0.13	9.78	-3.55
		-3.55	-15.62	4.93e-04	0.0	363.0	-121.19	2.43	-7.00	0.13	-15.62	5.28
170	7	3.39	5.42	-1.43e-04	0.0	0.0	-92.20	1.57	-4.11	0.08	5.42	-2.29
		-2.29	-9.50	2.49e-04	0.0	363.0	-84.03	1.57	-4.11	0.08	-9.50	3.39
170	8	4.72	8.47	-1.90e-04	0.0	0.0	-118.21	2.17	-6.13	0.11	8.47	-3.17
		-3.17	-13.79	4.19e-04	0.0	363.0	-110.04	2.17	-6.13	0.11	-13.79	4.72
170	9	3.39	5.42	-1.43e-04	0.0	0.0	-92.20	1.57	-4.11	0.08	5.42	-2.29
		-2.29	-9.50	2.49e-04	0.0	363.0	-84.03	1.57	-4.11	0.08	-9.50	3.39
170	10	4.53	8.03	-1.83e-04	0.0	0.0	-114.49	2.09	-5.84	0.11	8.03	-3.05
		-3.05	-13.18	3.95e-04	0.0	363.0	-106.32	2.09	-5.84	0.11	-13.18	4.53
170	11	3.67	11.23	9.36e-04	0.0	0.0	-113.94	-1.36	-7.58	-0.15	11.23	3.67
		-1.29	-16.30	7.02e-04	0.0	363.0	-105.77	-1.36	-7.58	-0.15	-16.30	-1.29
170	12	11.22	13.01	-1.39e-03	0.0	0.0	-112.17	6.05	-8.51	0.42	13.01	-10.73
		-10.73	-17.89	8.84e-04	0.0	363.0	-104.01	6.05	-8.51	0.42	-17.89	11.22
170	13	2.92	11.96	8.20e-04	0.0	0.0	-113.68	-0.97	-7.98	-0.12	11.96	2.92
		-0.61	-17.00	7.79e-04	0.0	363.0	-105.51	-0.97	-7.98	-0.12	-17.00	-0.61
170	14	10.54	12.28	-1.28e-03	0.0	0.0	-112.43	5.65	-8.12	0.39	12.28	-9.99
		-9.99	-17.19	8.04e-04	0.0	363.0	-104.27	5.65	-8.12	0.39	-17.19	10.54
170	15	6.48	29.84	-5.76e-04	0.0	0.0	-104.83	3.24	-17.68	0.28	29.84	-5.28
		-5.28	-34.34	2.79e-03	0.0	363.0	-96.67	3.24	-17.68	0.28	-34.34	6.48
170	16	3.46	0.14	1.17e-04	0.0	0.0	-121.28	1.44	1.58	-0.01	-5.60	-1.78
		-1.78	-5.60	-1.41e-03	0.0	363.0	-113.11	1.44	1.58	-0.01	0.14	3.46
170	17	8.24	32.20	-9.07e-04	0.0	0.0	-103.13	4.29	-18.97	0.38	32.20	-7.33
		-7.33	-36.66	3.06e-03	0.0	363.0	-94.96	4.29	-18.97	0.38	-36.66	8.24
170	18	1.70	2.46	4.50e-04	0.0	0.0	-122.98	0.39	2.87	-0.12	-7.96	0.27
		0.27	-7.96	-1.69e-03	0.0	363.0	-114.81	0.39	2.87	-0.12	2.46	1.70
170	19	3.84	3.57	9.80e-04	0.0	0.0	-116.57	-1.46	-3.45	-0.17	3.57	3.84
		-1.47	-8.95	-3.10e-04	0.0	363.0	-108.40	-1.46	-3.45	-0.17	-8.95	-1.47
170	20	10.53	12.50	-1.26e-03	0.0	0.0	-112.41	5.64	-8.24	0.39	12.50	-9.93
		-9.93	-17.40	8.28e-04	0.0	363.0	-104.25	5.64	-8.24	0.39	-17.40	10.53
170	21	3.17	4.23	8.75e-04	0.0	0.0	-116.34	-1.11	-3.80	-0.14	4.23	3.17
		-0.86	-9.57	-2.33e-04	0.0	363.0	-108.17	-1.11	-3.80	-0.14	-9.57	-0.86
170	22	9.92	11.84	-1.16e-03	0.0	0.0	-112.65	5.29	-7.88	0.36	11.84	-9.27
		-9.27	-16.78	7.57e-04	0.0	363.0	-104.48	5.29	-7.88	0.36	-16.78	9.92
170	23	5.49	20.26	-3.88e-04	0.0	0.0	-108.41	2.66	-12.50	0.22	20.26	-4.18
		-4.18	-25.12	1.71e-03	0.0	363.0	-100.24	2.66	-12.50	0.22	-25.12	5.49
170	24	3.57	-1.24	8.97e-05	0.0	0.0	-120.57	1.51	0.81	2.58e-04	-4.19	-1.91
		-1.91	-4.19	-1.24e-03	0.0	363.0	-112.41	1.51	0.81	2.58e-04	-1.24	3.57
170	25	7.07	22.38	-6.73e-04	0.0	0.0	-106.88	3.61	-13.66	0.31	22.38	-6.02
		-6.02	-27.19	1.95e-03	0.0	363.0	-98.71	3.61	-13.66	0.31	-27.19	7.07
170	26	1.99	0.84	3.89e-04	0.0	0.0	-122.10	0.57	1.97	-0.09	-6.31	-0.07
		-0.07	-6.31	-1.49e-03	0.0	363.0	-113.93	0.57	1.97	-0.09	0.84	1.99

171	1	1.36	7.32	-2.02e-04	0.0	0.0	-127.21	-1.34	-5.60	7.77e-03	7.32	1.36
		-3.48	-13.01	3.13e-04	0.0	363.0	-116.59	-1.34	-5.60	7.77e-03	-13.01	-3.48
171	2	2.52	13.69	-2.90e-04	0.0	0.0	-183.45	-2.30	-9.84	0.03	13.69	2.52
		-5.82	-22.03	6.56e-04	0.0	363.0	-172.83	-2.30	-9.84	0.03	-22.03	-5.82
171	3	0.34	1.72	-1.02e-04	0.0	0.0	-63.24	-0.44	-1.70	-8.99e-03	1.72	0.34
		-1.24	-4.45	-1.01e-04	0.0	363.0	-55.07	-0.44	-1.70	-8.99e-03	-4.45	-1.24
171	4	1.49	8.08	-1.89e-04	0.0	0.0	-119.48	-1.40	-5.94	0.02	8.08	1.49
		-3.58	-13.48	3.73e-04	0.0	363.0	-111.32	-1.40	-5.94	0.02	-13.48	-3.58
171	5	0.96	5.11	-1.48e-04	0.0	0.0	-93.24	-0.95	-3.96	3.98e-03	5.11	0.96
		-2.49	-9.27	2.12e-04	0.0	363.0	-85.07	-0.95	-3.96	3.98e-03	-9.27	-2.49
171	6	1.72	9.35	-2.07e-04	0.0	0.0	-130.73	-1.59	-6.79	0.02	9.35	1.72
		-4.04	-15.28	4.41e-04	0.0	363.0	-122.56	-1.59	-6.79	0.02	-15.28	-4.04
171	7	0.96	5.11	-1.48e-04	0.0	0.0	-93.24	-0.95	-3.96	3.98e-03	5.11	0.96
		-2.49	-9.27	2.12e-04	0.0	363.0	-85.07	-0.95	-3.96	3.98e-03	-9.27	-2.49
171	8	1.49	8.08	-1.89e-04	0.0	0.0	-119.48	-1.40	-5.94	0.02	8.08	1.49
		-3.58	-13.48	3.73e-04	0.0	363.0	-111.32	-1.40	-5.94	0.02	-13.48	-3.58
171	9	0.96	5.11	-1.48e-04	0.0	0.0	-93.24	-0.95	-3.96	3.98e-03	5.11	0.96
		-2.49	-9.27	2.12e-04	0.0	363.0	-85.07	-0.95	-3.96	3.98e-03	-9.27	-2.49
171	10	1.42	7.66	-1.83e-04	0.0	0.0	-115.73	-1.33	-5.66	0.01	7.66	1.42
		-3.42	-12.88	3.50e-04	0.0	363.0	-107.57	-1.33	-5.66	0.01	-12.88	-3.42
171	11	8.04	12.92	8.89e-04	0.0	0.0	-113.88	-4.77	-8.50	-0.21	12.92	8.04
		-9.28	-17.93	8.63e-04	0.0	363.0	-105.71	-4.77	-8.50	-0.21	-17.93	-9.28
171	12	3.29	10.17	-1.43e-03	0.0	0.0	-115.84	2.65	-7.03	0.31	10.17	-6.33
		-6.33	-15.35	5.93e-04	0.0	363.0	-107.67	2.65	-7.03	0.31	-15.35	3.29
171	13	7.29	13.35	7.74e-04	0.0	0.0	-113.76	-4.38	-8.74	-0.18	13.35	7.29
		-8.60	-18.36	9.11e-04	0.0	363.0	-105.59	-4.38	-8.74	-0.18	-18.36	-8.60
171	14	2.61	9.73	-1.32e-03	0.0	0.0	-115.96	2.26	-6.79	0.28	9.73	-5.58
		-5.58	-14.93	5.52e-04	0.0	363.0	-107.79	2.26	-6.79	0.28	-14.93	2.61
171	15	-0.21	28.86	-8.42e-04	0.0	0.0	-109.68	0.70	-17.29	0.21	28.86	-2.76
		-2.76	-33.90	2.63e-03	0.0	363.0	-101.51	0.70	-17.29	0.21	-33.90	-0.21
171	16	4.47	0.62	3.24e-04	0.0	0.0	-120.04	-2.82	1.76	-0.11	-5.77	4.47
		-5.78	-5.77	-1.40e-03	0.0	363.0	-111.87	-2.82	1.76	-0.11	0.62	-5.78
171	17	1.55	30.26	-1.17e-03	0.0	0.0	-109.77	1.75	-18.02	0.32	30.26	-4.81
		-4.81	-35.15	2.80e-03	0.0	363.0	-101.61	1.75	-18.02	0.32	-35.15	1.55
171	18	6.53	1.86	6.32e-04	0.0	0.0	-119.94	-3.87	2.49	-0.22	-7.17	6.53
		-7.54	-7.17	-1.58e-03	0.0	363.0	-111.77	-3.87	2.49	-0.22	1.86	-7.54
171	19	8.36	5.41	9.36e-04	0.0	0.0	-115.64	-4.90	-4.42	-0.25	5.41	8.36
		-9.44	-10.65	1.55e-04	0.0	363.0	-107.47	-4.90	-4.42	-0.25	-10.65	-9.44
171	20	2.59	9.91	-1.30e-03	0.0	0.0	-115.83	2.24	-6.89	0.28	9.91	-5.52
		-5.52	-15.10	5.68e-04	0.0	363.0	-107.66	2.24	-6.89	0.28	-15.10	2.59
171	21	7.68	5.80	8.32e-04	0.0	0.0	-115.53	-4.55	-4.64	-0.23	5.80	7.68
		-8.83	-11.04	1.85e-04	0.0	363.0	-107.37	-4.55	-4.64	-0.23	-11.04	-8.83
171	22	1.98	9.51	-1.20e-03	0.0	0.0	-115.93	1.88	-6.67	0.25	9.51	-4.85
		-4.85	-14.71	5.31e-04	0.0	363.0	-107.77	1.88	-6.67	0.25	-14.71	1.98
171	23	-1.31	19.69	-6.16e-04	0.0	0.0	-111.88	3.64e-03	-12.30	0.13	19.69	-1.32
		-1.32	-24.97	1.61e-03	0.0	363.0	-103.71	3.64e-03	-12.30	0.13	-24.97	-1.31
171	24	4.15	-0.78	2.80e-04	0.0	0.0	-119.59	-2.67	0.99	-0.10	-4.38	4.15
		-5.53	-4.38	-1.24e-03	0.0	363.0	-111.42	-2.67	0.99	-0.10	-0.78	-5.53
171	25	0.27	20.95	-9.11e-04	0.0	0.0	-111.96	0.95	-12.96	0.22	20.95	-3.16
		-3.16	-26.09	1.75e-03	0.0	363.0	-103.79	0.95	-12.96	0.22	-26.09	0.27
171	26	6.00	0.33	5.53e-04	0.0	0.0	-119.51	-3.61	1.64	-0.20	-5.64	6.00
		-7.11	-5.64	-1.40e-03	0.0	363.0	-111.34	-3.61	1.64	-0.20	0.33	-7.11

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-67.88	-44.97	-0.01	0.0	-1006.41	-18.27	-21.83	-9.20
	40.02	47.93	0.01	0.0	6.98	60.59	20.74	9.66

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	1	0.88	2.10	-7.68e-06	-19.82	0.0	14.41	11.59	4.85	0.91	-0.91	-2.68
		-2.68	-0.91	-5.13e-05	0.0	114.8	14.41	-8.23	4.85	0.91	2.10	-1.33
1	2	1.00	3.25	-1.41e-05	-30.36	0.0	22.41	18.78	5.88	1.12	-0.90	-4.51
		-4.51	-0.90	-8.17e-05	0.0	114.8	22.41	-11.58	5.88	1.12	3.25	-2.32
1	3	0.60	0.91	2.71e-06	-8.76	0.0	6.16	4.50	3.10	0.57	-0.70	-0.94
		-0.94	-0.70	-2.07e-05	0.0	114.8	6.16	-4.26	3.10	0.57	0.91	-0.41
1	4	0.72	2.06	-8.28e-06	-19.30	0.0	14.16	11.68	4.13	0.78	-0.70	-2.77
		-2.77	-0.70	-5.11e-05	0.0	114.8	14.16	-7.62	4.13	0.78	2.06	-1.40
1	5	0.67	1.52	-5.43e-06	-14.38	0.0	10.43	8.33	3.65	0.68	-0.70	-1.91
		-1.91	-0.70	-3.69e-05	0.0	114.8	10.43	-6.05	3.65	0.68	1.52	-0.94
1	6	0.75	2.29	-9.62e-06	-21.41	0.0	15.76	13.12	4.34	0.82	-0.69	-3.13
		-3.13	-0.69	-5.72e-05	0.0	114.8	15.76	-8.29	4.34	0.82	2.29	-1.60
1	7	0.67	1.52	-5.43e-06	-14.38	0.0	10.43	8.33	3.65	0.68	-0.70	-1.91

		-1.91	-0.70	-3.69e-05	0.0	114.8	10.43	-6.05	3.65	0.68	1.52	-0.94
1	8	0.72	2.06	-8.28e-06	-19.30	0.0	14.16	11.68	4.13	0.78	-0.70	-2.77
		-2.77	-0.70	-5.11e-05	0.0	114.8	14.16	-7.62	4.13	0.78	2.06	-1.40
1	9	0.67	1.52	-5.43e-06	-14.38	0.0	10.43	8.33	3.65	0.68	-0.70	-1.91
		-1.91	-0.70	-3.69e-05	0.0	114.8	10.43	-6.05	3.65	0.68	1.52	-0.94
1	10	0.72	1.98	-7.86e-06	-18.60	0.0	13.63	11.20	4.06	0.77	-0.70	-2.65
		-2.65	-0.70	-4.91e-05	0.0	114.8	13.63	-7.39	4.06	0.77	1.98	-1.34
1	11	0.07	4.66	6.41e-06	-18.60	0.0	14.96	13.33	1.30	1.14	4.66	-3.66
		-3.66	3.68	-4.83e-05	0.0	114.8	14.96	-5.26	1.30	1.14	3.68	-1.70
1	12	1.07	1.61	-3.64e-05	-18.60	0.0	13.85	10.16	3.03	0.52	-0.62	-2.21
		-2.21	-0.62	-1.35e-04	0.0	114.8	13.85	-8.43	3.03	0.52	1.61	-1.06
1	13	0.15	4.39	2.21e-06	-18.60	0.0	14.08	13.09	1.40	1.12	4.39	-3.56
		-3.56	3.53	-5.43e-05	0.0	114.8	14.08	-5.50	1.40	1.12	3.53	-1.63
1	14	0.99	1.76	-3.18e-05	-18.60	0.0	14.74	10.40	2.93	0.54	-0.35	-2.30
		-2.30	-0.35	-1.23e-04	0.0	114.8	14.74	-8.20	2.93	0.54	1.76	-1.12
1	15	0.29	6.56	-6.29e-05	-18.60	0.0	7.91	13.35	-1.30	0.91	6.56	-3.68
		-3.68	3.11	-1.74e-04	0.0	114.8	7.91	-5.24	-1.30	0.91	3.11	-1.32
1	16	0.87	2.18	3.29e-05	-18.60	0.0	20.90	10.14	5.63	0.75	-2.52	-2.18
		-2.18	-2.52	8.13e-06	0.0	114.8	20.90	-8.45	5.63	0.75	2.18	-1.43
1	17	0.22	6.96	-7.53e-05	-18.60	0.0	9.77	13.79	-1.98	0.80	6.96	-3.88
		-3.88	3.09	-2.25e-04	0.0	114.8	9.77	-4.81	-1.98	0.80	3.09	-1.32
1	18	0.96	2.20	4.54e-05	-18.60	0.0	19.04	9.71	6.31	0.86	-2.91	-1.98
		-1.98	-2.91	5.93e-05	0.0	114.8	19.04	-8.89	6.31	0.86	2.20	-1.43
1	19	0.40	2.31	2.14e-05	-18.60	0.0	13.43	12.13	4.99	0.99	-0.77	-3.04
		-3.04	-0.77	2.78e-05	0.0	114.8	13.43	-6.46	4.99	0.99	2.31	-1.59
1	20	1.03	1.65	-3.32e-05	-18.60	0.0	13.83	10.27	3.13	0.54	-0.63	-2.25
		-2.25	-0.63	-1.26e-04	0.0	114.8	13.83	-8.33	3.13	0.54	1.65	-1.09
1	21	0.47	2.18	1.73e-05	-18.60	0.0	12.64	11.92	5.08	0.97	-1.01	-2.95
		-2.95	-1.01	1.76e-05	0.0	114.8	12.64	-6.67	5.08	0.97	2.18	-1.53
1	22	0.96	1.79	-2.92e-05	-18.60	0.0	14.62	10.48	3.04	0.56	-0.38	-2.34
		-2.34	-0.38	-1.16e-04	0.0	114.8	14.62	-8.11	3.04	0.56	1.79	-1.14
1	23	0.58	1.81	-4.07e-05	-18.60	0.0	7.11	12.15	2.65	0.78	0.94	-3.07
		-3.07	0.94	-1.00e-04	0.0	114.8	7.11	-6.44	2.65	0.78	1.81	-1.26
1	24	0.85	2.16	2.89e-05	-18.60	0.0	20.15	10.25	5.47	0.75	-2.33	-2.23
		-2.23	-2.33	3.12e-06	0.0	114.8	20.15	-8.34	5.47	0.75	2.16	-1.42
1	25	0.50	1.79	-5.19e-05	-18.60	0.0	8.78	12.54	2.05	0.69	1.29	-3.24
		-3.24	1.29	-1.46e-04	0.0	114.8	8.78	-6.05	2.05	0.69	1.79	-1.26
1	26	0.93	2.18	4.00e-05	-18.60	0.0	18.48	9.86	6.07	0.85	-2.68	-2.05
		-2.05	-2.68	4.81e-05	0.0	114.8	18.48	-8.73	6.07	0.85	2.18	-1.42
2	1	28.06	0.13	-5.63e-04	-50.98	0.0	89.19	30.45	-0.08	0.19	0.13	-35.20
		-35.20	-0.42	-4.86e-05	0.0	697.1	89.19	-20.53	-0.08	0.19	-0.42	-0.61
2	2	34.18	0.54	-5.78e-04	-50.98	0.0	111.58	34.09	-0.17	0.47	0.54	-45.20
		-45.20	-0.62	-9.84e-05	0.0	697.1	111.58	-16.89	-0.17	0.47	-0.62	14.73
2	3	18.91	-0.16	-4.24e-04	-39.21	0.0	54.83	21.19	-5.75e-03	-0.03	-0.16	-20.92
		-20.92	-0.20	1.68e-05	0.0	697.1	54.83	-18.03	-5.75e-03	-0.03	-0.20	-9.91
2	4	23.83	0.26	-4.39e-04	-39.21	0.0	77.22	24.82	-0.09	0.25	0.26	-30.92
		-30.92	-0.40	-5.65e-05	0.0	697.1	77.22	-14.39	-0.09	0.25	-0.40	5.43
2	5	21.18	0.06	-4.32e-04	-39.21	0.0	66.77	23.12	-0.05	0.12	0.06	-26.25
		-26.25	-0.30	-3.33e-05	0.0	697.1	66.77	-16.09	-0.05	0.12	-0.30	-1.73
2	6	25.00	0.34	-4.42e-04	-39.21	0.0	81.69	25.55	-0.11	0.31	0.34	-32.92
		-32.92	-0.44	-6.65e-05	0.0	697.1	81.69	-13.66	-0.11	0.31	-0.44	8.50
2	7	21.18	0.06	-4.32e-04	-39.21	0.0	66.77	23.12	-0.05	0.12	0.06	-26.25
		-26.25	-0.30	-3.33e-05	0.0	697.1	66.77	-16.09	-0.05	0.12	-0.30	-1.73
2	8	23.83	0.26	-4.39e-04	-39.21	0.0	77.22	24.82	-0.09	0.25	0.26	-30.92
		-30.92	-0.40	-5.65e-05	0.0	697.1	77.22	-14.39	-0.09	0.25	-0.40	5.43
2	9	21.18	0.06	-4.32e-04	-39.21	0.0	66.77	23.12	-0.05	0.12	0.06	-26.25
		-26.25	-0.30	-3.33e-05	0.0	697.1	66.77	-16.09	-0.05	0.12	-0.30	-1.73
2	10	23.44	0.23	-4.38e-04	-39.21	0.0	75.72	24.58	-0.09	0.24	0.23	-30.25
		-30.25	-0.39	-5.32e-05	0.0	697.1	75.72	-14.63	-0.09	0.24	-0.39	4.41
2	11	21.67	6.00	-6.57e-04	-39.21	0.0	75.71	22.49	1.09	-0.33	-1.60	-23.28
		-23.28	-1.60	3.49e-04	0.0	697.1	75.71	-16.72	1.09	-0.33	6.00	-3.16
2	12	35.66	3.52	-2.85e-04	-39.21	0.0	88.83	31.55	-0.96	0.88	3.52	-52.80
		-52.80	-3.20	-5.39e-04	0.0	697.1	88.83	-7.67	-0.96	0.88	-3.20	30.44
2	13	22.72	5.18	-6.59e-04	-39.21	0.0	78.60	23.69	0.88	-0.14	-0.94	-27.11
		-27.11	-0.94	2.64e-04	0.0	697.1	78.60	-15.52	0.88	-0.14	5.18	1.37
2	14	32.82	2.86	-2.84e-04	-39.21	0.0	85.93	30.35	-0.75	0.69	2.86	-48.97
		-48.97	-2.38	-4.54e-04	0.0	697.1	85.93	-8.86	-0.75	0.69	-2.38	25.91
2	15	60.37	9.41	-5.31e-04	-39.21	0.0	101.66	39.87	2.77	0.57	-9.89	-80.88
		-80.88	-9.89	-3.57e-04	0.0	697.1	101.66	0.66	2.77	0.57	9.41	60.37
2	16	22.62	11.81	-4.24e-04	-39.21	0.0	62.87	14.17	-2.64	-0.02	11.81	4.79
		-33.09	-6.60	-3.40e-04	0.0	697.1	62.87	-25.04	-2.64	-0.02	-6.60	-33.09
2	17	76.89	14.73	-5.06e-04	-39.21	0.0	105.85	44.47	4.63	0.64	-17.58	-96.45
		-96.45	-17.58	-6.01e-04	0.0	697.1	105.85	5.26	4.63	0.64	14.73	76.89
2	18	28.50	19.50	-4.62e-04	-39.21	0.0	58.69	9.57	-4.51	-0.10	19.50	20.36

		-49.60	-11.93	-4.63e-04	0.0	697.1	58.69	-29.64	-4.51	-0.10	-11.93	-49.60
2	19	19.70	2.13	-5.79e-04	-39.21	0.0	63.98	18.33	0.70	-0.34	-2.72	-10.05
		-18.93	-2.72	3.82e-04	0.0	697.1	63.98	-20.88	0.70	-0.34	2.13	-18.93
2	20	33.90	3.18	-3.01e-04	-39.21	0.0	87.47	30.82	-0.87	0.81	3.18	-50.46
		-50.46	-2.90	-4.89e-04	0.0	697.1	87.47	-8.39	-0.87	0.81	-2.90	27.74
2	21	20.00	1.40	-5.81e-04	-39.21	0.0	66.58	19.41	0.51	-0.17	-2.13	-13.48
		-14.86	-2.13	3.06e-04	0.0	697.1	66.58	-19.81	0.51	-0.17	1.40	-14.86
2	22	31.63	2.59	-2.99e-04	-39.21	0.0	84.87	29.75	-0.68	0.64	2.59	-47.03
		-47.03	-2.17	-4.12e-04	0.0	697.1	84.87	-9.46	-0.68	0.64	-2.17	23.68
2	23	40.51	5.19	-4.67e-04	-39.21	0.0	87.24	33.91	2.20	0.47	-10.15	-61.67
		-61.67	-10.15	2.81e-04	0.0	697.1	87.24	-5.31	2.20	0.47	5.19	38.02
2	24	21.81	10.61	-4.24e-04	-39.21	0.0	64.21	15.25	-2.38	3.47e-03	10.61	1.16
		-29.20	-5.96	-3.06e-04	0.0	697.1	64.21	-23.96	-2.38	3.47e-03	-5.96	-29.20
2	25	52.94	9.96	-4.44e-04	-39.21	0.0	91.00	38.03	3.87	0.53	-17.04	-75.63
		-75.63	-17.04	-4.13e-04	0.0	697.1	91.00	-1.18	3.87	0.53	9.96	52.82
2	26	26.01	17.50	-4.57e-04	-39.21	0.0	60.45	11.13	-4.05	-0.06	17.50	15.12
		-44.01	-10.73	-4.16e-04	0.0	697.1	60.45	-28.09	-4.05	-0.06	-10.73	-44.01
3	1	-0.20	0.75	-1.48e-04	-6.57	0.0	3.69	2.72	-0.49	0.45	0.75	-0.42
		-1.32	-0.69	5.88e-05	0.0	72.0	3.69	-3.85	-0.49	0.45	-0.69	-1.32
3	2	-0.34	0.78	-2.80e-04	-9.43	0.0	6.03	3.76	-0.70	0.52	0.78	-0.53
		-2.24	-0.99	7.81e-05	0.0	72.0	6.03	-5.67	-0.70	0.52	-0.99	-2.24
3	3	-0.05	0.56	-3.22e-05	-3.30	0.0	1.40	1.45	-0.26	0.31	0.56	-0.25
		-0.45	-0.35	3.34e-05	0.0	72.0	1.40	-1.85	-0.26	0.31	-0.35	-0.45
3	4	-0.21	0.59	-1.64e-04	-6.15	0.0	3.74	2.49	-0.46	0.37	0.59	-0.37
		-1.37	-0.65	5.26e-05	0.0	72.0	3.74	-3.66	-0.46	0.37	-0.65	-1.37
3	5	-0.14	0.58	-1.03e-04	-4.82	0.0	2.65	2.00	-0.36	0.34	0.58	-0.31
		-0.94	-0.51	4.37e-05	0.0	72.0	2.65	-2.82	-0.36	0.34	-0.51	-0.94
3	6	-0.23	0.59	-1.91e-04	-6.72	0.0	4.21	2.70	-0.50	0.39	0.59	-0.39
		-1.55	-0.71	5.65e-05	0.0	72.0	4.21	-4.03	-0.50	0.39	-0.71	-1.55
3	7	-0.14	0.58	-1.03e-04	-4.82	0.0	2.65	2.00	-0.36	0.34	0.58	-0.31
		-0.94	-0.51	4.37e-05	0.0	72.0	2.65	-2.82	-0.36	0.34	-0.51	-0.94
3	8	-0.21	0.59	-1.64e-04	-6.15	0.0	3.74	2.49	-0.46	0.37	0.59	-0.37
		-1.37	-0.65	5.26e-05	0.0	72.0	3.74	-3.66	-0.46	0.37	-0.65	-1.37
3	9	-0.14	0.58	-1.03e-04	-4.82	0.0	2.65	2.00	-0.36	0.34	0.58	-0.31
		-0.94	-0.51	4.37e-05	0.0	72.0	2.65	-2.82	-0.36	0.34	-0.51	-0.94
3	10	-0.20	0.59	-1.56e-04	-5.96	0.0	3.58	2.42	-0.44	0.37	0.59	-0.36
		-1.31	-0.63	5.14e-05	0.0	72.0	3.58	-3.54	-0.44	0.37	-0.63	-1.31
3	11	2.73e-03	6.36	-1.12e-04	-5.96	0.0	-4.04	1.17	-3.73	0.29	6.36	-0.12
		-1.21	2.72	1.13e-04	0.0	72.0	-4.04	-4.79	-3.73	0.29	2.72	-1.21
3	12	-0.06	1.68	-3.82e-04	-5.96	0.0	3.70	2.37	-1.70	0.47	1.68	-0.25
		-1.10	-0.51	5.62e-06	0.0	72.0	3.70	-3.59	-1.70	0.47	-0.51	-1.10
3	13	9.49e-03	6.15	-1.47e-04	-5.96	0.0	-3.82	1.19	-3.75	0.30	6.15	-0.13
		-1.16	2.46	1.10e-04	0.0	72.0	-3.82	-4.77	-3.75	0.30	2.46	-1.16
3	14	-0.07	1.89	-3.46e-04	-5.96	0.0	3.49	2.35	-1.69	0.46	1.89	-0.24
		-1.15	-0.25	8.70e-06	0.0	72.0	3.49	-3.62	-1.69	0.46	-0.25	-1.15
3	15	0.22	10.11	-7.25e-04	-5.96	0.0	-7.81	1.43	-7.22	0.79	10.11	-0.13
		-0.54	2.86	1.44e-04	0.0	72.0	-7.81	-4.53	-7.22	0.79	2.86	-0.54
3	16	-0.20	-0.65	2.32e-04	-5.96	0.0	7.48	2.11	1.79	-0.03	-2.07	-0.24
		-1.77	-2.07	-2.52e-05	0.0	72.0	7.48	-3.85	1.79	-0.03	-0.65	-1.77
3	17	0.37	11.34	-8.48e-04	-5.96	0.0	-8.95	0.88	-8.47	0.75	11.34	0.02
		-0.38	3.27	1.31e-04	0.0	72.0	-8.95	-5.08	-8.47	0.75	3.27	-0.38
3	18	-0.35	-1.06	3.54e-04	-5.96	0.0	8.62	2.66	3.04	6.04e-03	-3.30	-0.39
		-1.94	-3.30	-1.30e-05	0.0	72.0	8.62	-3.30	3.04	6.04e-03	-1.06	-1.94
3	19	-0.32	-0.39	4.73e-05	-5.96	0.0	3.48	2.47	0.68	0.27	-0.39	-0.46
		-1.49	-0.73	9.24e-05	0.0	72.0	3.48	-3.50	0.68	0.27	-0.73	-1.49
3	20	-0.07	1.57	-3.58e-04	-5.96	0.0	3.69	2.37	-1.57	0.46	1.57	-0.26
		-1.12	-0.52	1.04e-05	0.0	72.0	3.69	-3.59	-1.57	0.46	-0.52	-1.12
3	21	-0.31	-0.58	1.54e-05	-5.96	0.0	3.67	2.49	0.67	0.28	-0.58	-0.46
		-1.45	-0.97	8.96e-05	0.0	72.0	3.67	-3.48	0.67	0.28	-0.97	-1.45
3	22	-0.08	1.75	-3.27e-04	-5.96	0.0	3.50	2.35	-1.56	0.45	1.75	-0.25
		-1.17	-0.29	1.31e-05	0.0	72.0	3.50	-3.61	-1.56	0.45	-0.29	-1.17
3	23	-0.13	2.97	-5.03e-04	-5.96	0.0	0.09	2.70	-2.45	0.72	2.97	-0.47
		-0.89	-0.61	1.20e-04	0.0	72.0	0.09	-3.26	-2.45	0.72	-0.61	-0.89
3	24	-0.21	-0.65	1.92e-04	-5.96	0.0	7.07	2.14	1.56	0.01	-1.79	-0.25
		-1.73	-1.79	-1.73e-05	0.0	72.0	7.07	-3.82	1.56	0.01	-0.65	-1.73
3	25	0.01	4.07	-6.12e-04	-5.96	0.0	-0.93	2.21	-3.57	0.69	4.07	-0.33
		-0.75	-0.24	1.09e-04	0.0	72.0	-0.93	-3.76	-3.57	0.69	-0.24	-0.75
3	26	-0.34	-1.02	3.01e-04	-5.96	0.0	8.09	2.64	2.68	0.04	-2.90	-0.39
		-1.87	-2.90	-6.35e-06	0.0	72.0	8.09	-3.33	2.68	0.04	-1.02	-1.87
4	1	30.01	-0.10	1.50e-03	-64.71	0.0	88.14	2.13	2.26	-4.03	-5.77	29.99
		-45.89	-5.77	-5.48e-05	0.0	251.1	88.14	-62.58	2.26	-4.03	-0.10	-45.89
4	2	45.51	-0.07	2.52e-03	-96.72	0.0	117.88	1.83	3.64	-6.89	-9.20	45.51
		-71.31	-9.20	-9.51e-05	0.0	251.1	117.88	-94.89	3.64	-6.89	-0.07	-71.31
4	3	13.67	-0.09	5.33e-04	-30.08	0.0	49.50	1.82	0.89	-1.35	-2.33	13.53

4	4	-19.65	-2.33	-1.74e-05	0.0	251.1	49.50	-28.25	0.89	-1.35	-0.09	-19.65
		29.04	-0.06	1.55e-03	-62.09	0.0	79.24	1.52	2.27	-4.20	-5.76	29.04
		-45.08	-5.76	-5.77e-05	0.0	251.1	79.24	-60.56	2.27	-4.20	-0.06	-45.08
4	5	21.83	-0.08	1.07e-03	-47.15	0.0	65.36	1.66	1.63	-2.87	-4.16	21.80
		-33.21	-4.16	-3.89e-05	0.0	251.1	65.36	-45.49	1.63	-2.87	-0.08	-33.21
4	6	32.14	-0.06	1.75e-03	-68.49	0.0	85.19	1.46	2.54	-4.77	-6.44	32.14
		-50.16	-6.44	-6.57e-05	0.0	251.1	85.19	-67.03	2.54	-4.77	-0.06	-50.16
4	7	21.83	-0.08	1.07e-03	-47.15	0.0	65.36	1.66	1.63	-2.87	-4.16	21.80
		-33.21	-4.16	-3.89e-05	0.0	251.1	65.36	-45.49	1.63	-2.87	-0.08	-33.21
4	8	29.04	-0.06	1.55e-03	-62.09	0.0	79.24	1.52	2.27	-4.20	-5.76	29.04
		-45.08	-5.76	-5.77e-05	0.0	251.1	79.24	-60.56	2.27	-4.20	-0.06	-45.08
4	9	21.83	-0.08	1.07e-03	-47.15	0.0	65.36	1.66	1.63	-2.87	-4.16	21.80
		-33.21	-4.16	-3.89e-05	0.0	251.1	65.36	-45.49	1.63	-2.87	-0.08	-33.21
4	10	28.00	-0.06	1.48e-03	-59.95	0.0	77.26	1.54	2.18	-4.01	-5.53	28.00
		-43.38	-5.53	-5.50e-05	0.0	251.1	77.26	-58.41	2.18	-4.01	-0.06	-43.38
4	11	27.62	15.55	1.57e-03	-59.95	0.0	90.36	2.45	10.33	-4.96	-10.39	27.53
		-41.57	-10.39	6.14e-05	0.0	251.1	90.36	-57.50	10.33	-4.96	15.55	-41.57
4	12	28.06	1.21	1.53e-03	-59.95	0.0	86.08	2.33	2.84	-3.55	-5.92	27.99
		-41.42	-5.92	-2.45e-04	0.0	251.1	86.08	-57.63	2.84	-3.55	1.21	-41.42
4	13	27.62	15.65	1.58e-03	-59.95	0.0	92.10	2.60	10.39	-4.97	-10.44	27.51
		-41.23	-10.44	2.99e-05	0.0	251.1	92.10	-57.35	10.39	-4.97	15.65	-41.23
4	14	28.07	1.12	1.52e-03	-59.95	0.0	84.34	2.18	2.78	-3.54	-5.87	28.02
		-41.76	-5.87	-2.14e-04	0.0	251.1	84.34	-57.77	2.78	-3.54	1.12	-41.76
4	15	24.61	23.48	1.82e-03	-59.95	0.0	152.46	10.21	12.17	-4.02	-7.07	22.45
		-27.18	-7.07	-2.57e-04	0.0	251.1	152.46	-49.75	12.17	-4.02	23.48	-27.18
4	16	33.07	-6.71	1.29e-03	-59.95	0.0	23.98	-5.42	1.01	-4.50	-9.24	33.07
		-55.81	-9.24	8.11e-05	0.0	251.1	23.98	-65.38	1.01	-4.50	-6.71	-55.81
4	17	25.25	22.47	1.87e-03	-59.95	0.0	162.09	10.12	12.37	-4.21	-8.57	23.14
		-26.72	-8.57	-3.57e-04	0.0	251.1	162.09	-49.84	12.37	-4.21	22.47	-26.72
4	18	32.39	-5.70	1.23e-03	-59.95	0.0	14.36	-5.34	0.81	-4.30	-7.73	32.39
		-56.26	-7.73	1.73e-04	0.0	251.1	14.36	-65.29	0.81	-4.30	-5.70	-56.26
4	19	28.01	-1.21	1.43e-03	-59.95	0.0	69.35	0.84	1.58	-4.42	-5.18	28.01
		-45.14	-5.18	1.16e-04	0.0	251.1	69.35	-59.11	1.58	-4.42	-1.21	-45.14
4	20	28.05	1.08	1.53e-03	-59.95	0.0	85.17	2.25	2.77	-3.60	-5.88	27.99
		-41.63	-5.88	-2.26e-04	0.0	251.1	85.17	-57.71	2.77	-3.60	1.08	-41.63
4	21	27.99	-1.13	1.44e-03	-59.95	0.0	70.91	0.97	1.63	-4.43	-5.22	27.99
		-44.83	-5.22	8.74e-05	0.0	251.1	70.91	-58.98	1.63	-4.43	-1.13	-44.83
4	22	28.05	1.00	1.52e-03	-59.95	0.0	83.61	2.12	2.72	-3.59	-5.84	28.02
		-41.93	-5.84	-1.97e-04	0.0	251.1	83.61	-57.84	2.72	-3.59	1.00	-41.93
4	23	24.73	5.89	1.65e-03	-59.95	0.0	125.01	7.79	3.22	-3.58	-2.20	23.46
		-32.24	-2.20	-1.70e-04	0.0	251.1	125.01	-52.17	3.22	-3.58	5.89	-32.24
4	24	32.55	-6.02	1.31e-03	-59.95	0.0	29.51	-4.70	1.13	-4.45	-8.86	32.55
		-54.52	-8.86	6.92e-05	0.0	251.1	29.51	-64.65	1.13	-4.45	-6.02	-54.52
4	25	25.32	4.99	1.70e-03	-59.95	0.0	133.64	7.71	3.40	-3.75	-3.55	24.08
		-31.83	-3.55	-2.60e-04	0.0	251.1	133.64	-52.25	3.40	-3.75	4.99	-31.83
4	26	31.93	-5.12	1.25e-03	-59.95	0.0	20.87	-4.62	0.95	-4.27	-7.51	31.93
		-54.93	-7.51	1.50e-04	0.0	251.1	20.87	-64.58	0.95	-4.27	-5.12	-54.93
5	1	33.54	4.75	1.14e-03	-65.68	0.0	13.94	-3.03	-6.56	-12.65	4.75	33.54
		-57.88	-11.98	-2.49e-05	0.0	254.8	13.94	-68.71	-6.56	-12.65	-11.98	-57.88
5	2	47.43	7.55	1.67e-03	-98.18	0.0	41.39	-1.35	-10.41	-20.02	7.55	47.43
		-81.12	-18.98	-4.54e-05	0.0	254.8	41.39	-99.53	-10.41	-20.02	-18.98	-81.12
5	3	17.25	1.92	5.52e-04	-30.53	0.0	-6.17	-3.36	-2.68	-5.20	1.92	17.25
		-30.22	-4.91	-6.49e-06	0.0	254.8	-6.17	-33.89	-2.68	-5.20	-4.91	-30.22
5	4	31.14	4.73	1.08e-03	-63.02	0.0	21.28	-1.69	-6.53	-12.57	4.73	31.14
		-53.46	-11.91	-2.70e-05	0.0	254.8	21.28	-64.71	-6.53	-12.57	-11.91	-53.46
5	5	24.66	3.42	8.35e-04	-47.86	0.0	8.47	-2.47	-4.73	-9.13	3.42	24.66
		-42.62	-8.64	-1.75e-05	0.0	254.8	8.47	-50.33	-4.73	-9.13	-8.64	-42.62
5	6	33.92	5.29	1.19e-03	-69.52	0.0	26.77	-1.35	-7.30	-14.04	5.29	33.92
		-58.11	-13.31	-3.12e-05	0.0	254.8	26.77	-70.87	-7.30	-14.04	-13.31	-58.11
5	7	24.66	3.42	8.35e-04	-47.86	0.0	8.47	-2.47	-4.73	-9.13	3.42	24.66
		-42.62	-8.64	-1.75e-05	0.0	254.8	8.47	-50.33	-4.73	-9.13	-8.64	-42.62
5	8	31.14	4.73	1.08e-03	-63.02	0.0	21.28	-1.69	-6.53	-12.57	4.73	31.14
		-53.46	-11.91	-2.70e-05	0.0	254.8	21.28	-64.71	-6.53	-12.57	-11.91	-53.46
5	9	24.66	3.42	8.35e-04	-47.86	0.0	8.47	-2.47	-4.73	-9.13	3.42	24.66
		-42.62	-8.64	-1.75e-05	0.0	254.8	8.47	-50.33	-4.73	-9.13	-8.64	-42.62
5	10	30.22	4.54	1.05e-03	-60.86	0.0	19.45	-1.80	-6.27	-12.07	4.54	30.22
		-51.91	-11.44	-2.57e-05	0.0	254.8	19.45	-62.66	-6.27	-12.07	-11.44	-51.91
5	11	30.01	4.48	1.06e-03	-60.86	0.0	22.39	-1.30	-6.61	-11.34	4.48	30.01
		-50.84	-12.36	1.16e-04	0.0	254.8	22.39	-62.16	-6.61	-11.34	-12.36	-50.84
5	12	28.53	5.62	1.02e-03	-60.86	0.0	24.41	0.02	-6.87	-12.93	5.62	28.53
		-48.96	-11.89	-2.06e-04	0.0	254.8	24.41	-60.83	-6.87	-12.93	-11.89	-48.96
5	13	29.69	4.84	1.06e-03	-60.86	0.0	24.13	-1.00	-6.73	-11.28	4.84	29.69
		-50.41	-12.32	8.56e-05	0.0	254.8	24.13	-61.86	-6.73	-11.28	-12.32	-50.41
5	14	28.85	5.26	1.02e-03	-60.86	0.0	22.67	-0.27	-6.75	-12.98	5.26	28.85

		-49.39	-11.94	-1.74e-04	0.0	254.8	22.67	-61.13	-6.75	-12.98	-11.94	-49.39
5	15	24.27	3.98	1.04e-03	-60.86	0.0	45.73	5.47	-11.84	-12.71	3.98	23.70
		-39.92	-26.19	-1.36e-04	0.0	254.8	45.73	-55.39	-11.84	-12.71	-26.19	-39.92
5	16	34.84	6.12	1.05e-03	-60.86	0.0	1.07	-6.74	-1.64	-11.55	6.12	34.84
		-59.88	1.93	4.59e-05	0.0	254.8	1.07	-67.60	-1.64	-11.55	1.93	-59.88
5	17	23.77	3.75	1.04e-03	-60.86	0.0	46.57	6.48	-12.91	-12.77	3.75	22.92
		-38.11	-29.16	-2.30e-04	0.0	254.8	46.57	-54.38	-12.91	-12.77	-29.16	-38.11
5	18	35.62	6.35	1.05e-03	-60.86	0.0	0.23	-7.75	-0.57	-11.49	6.35	35.62
		-61.68	4.90	1.40e-04	0.0	254.8	0.23	-68.61	-0.57	-11.49	4.90	-61.68
5	19	31.73	3.58	1.07e-03	-60.86	0.0	15.00	-3.43	-5.74	-11.31	3.58	31.73
		-54.56	-11.04	1.36e-04	0.0	254.8	15.00	-64.29	-5.74	-11.31	-11.04	-54.56
5	20	28.70	5.51	1.02e-03	-60.86	0.0	23.89	-0.16	-6.81	-12.84	5.51	28.70
		-49.26	-11.84	-1.87e-04	0.0	254.8	23.89	-61.02	-6.81	-12.84	-11.84	-49.26
5	21	31.44	3.90	1.07e-03	-60.86	0.0	16.56	-3.17	-5.85	-11.26	3.90	31.44
		-54.18	-11.00	1.07e-04	0.0	254.8	16.56	-64.02	-5.85	-11.26	-11.00	-54.18
5	22	28.99	5.18	1.03e-03	-60.86	0.0	22.33	-0.43	-6.70	-12.89	5.18	28.99
		-49.65	-11.88	-1.59e-04	0.0	254.8	22.33	-61.29	-6.70	-12.89	-11.88	-49.65
5	23	26.19	3.13	1.05e-03	-60.86	0.0	35.92	2.63	-10.42	-12.54	3.13	26.07
		-44.77	-23.43	-8.98e-05	0.0	254.8	35.92	-58.23	-10.42	-12.54	-23.43	-44.77
5	24	34.36	5.96	1.05e-03	-60.86	0.0	2.97	-6.23	-2.12	-11.61	5.96	34.36
		-59.05	0.55	3.84e-05	0.0	254.8	2.97	-67.08	-2.12	-11.61	0.55	-59.05
5	25	25.63	2.93	1.04e-03	-60.86	0.0	36.67	3.54	-11.39	-12.60	2.93	25.37
		-43.15	-26.09	-1.74e-04	0.0	254.8	36.67	-57.32	-11.39	-12.60	-26.09	-43.15
5	26	35.06	6.16	1.05e-03	-60.86	0.0	2.22	-7.14	-1.16	-11.55	6.16	35.06
		-60.67	3.21	1.23e-04	0.0	254.8	2.22	-67.99	-1.16	-11.55	3.21	-60.67
6	1	27.78	5.60	1.49e-03	-64.71	0.0	85.08	3.50	-2.84	3.42	5.60	27.55
		-44.88	-1.54	-6.61e-05	0.0	251.1	85.08	-61.20	-2.84	3.42	-1.54	-44.88
6	2	41.97	8.88	2.51e-03	-96.72	0.0	112.98	3.97	-4.36	5.99	8.88	41.82
		-69.62	-2.06	-1.03e-04	0.0	251.1	112.98	-92.75	-4.36	5.99	-2.06	-69.62
6	3	12.64	2.29	5.26e-04	-30.08	0.0	48.27	2.41	-1.26	1.05	2.29	12.41
		-19.30	-0.86	-2.81e-05	0.0	251.1	48.27	-27.67	-1.26	1.05	-0.86	-19.30
6	4	26.83	5.57	1.54e-03	-62.09	0.0	76.18	2.88	-2.77	3.62	5.57	26.68
		-44.04	-1.38	-6.51e-05	0.0	251.1	76.18	-59.21	-2.77	3.62	-1.38	-44.04
6	5	20.21	4.04	1.07e-03	-47.15	0.0	63.16	2.66	-2.06	2.42	4.04	20.02
		-32.49	-1.14	-4.78e-05	0.0	251.1	63.16	-44.49	-2.06	2.42	-1.14	-32.49
6	6	29.67	6.22	1.74e-03	-68.49	0.0	81.76	2.97	-3.07	4.13	6.22	29.54
		-48.98	-1.49	-7.25e-05	0.0	251.1	81.76	-65.52	-3.07	4.13	-1.49	-48.98
6	7	20.21	4.04	1.07e-03	-47.15	0.0	63.16	2.66	-2.06	2.42	4.04	20.02
		-32.49	-1.14	-4.78e-05	0.0	251.1	63.16	-44.49	-2.06	2.42	-1.14	-32.49
6	8	26.83	5.57	1.54e-03	-62.09	0.0	76.18	2.88	-2.77	3.62	5.57	26.68
		-44.04	-1.38	-6.51e-05	0.0	251.1	76.18	-59.21	-2.77	3.62	-1.38	-44.04
6	9	20.21	4.04	1.07e-03	-47.15	0.0	63.16	2.66	-2.06	2.42	4.04	20.02
		-32.49	-1.14	-4.78e-05	0.0	251.1	63.16	-44.49	-2.06	2.42	-1.14	-32.49
6	10	25.88	5.35	1.47e-03	-59.95	0.0	74.32	2.84	-2.67	3.45	5.35	25.73
		-42.39	-1.35	-6.26e-05	0.0	251.1	74.32	-57.11	-2.67	3.45	-1.35	-42.39
6	11	25.33	6.33	1.54e-03	-59.95	0.0	88.51	4.25	-2.72	3.45	6.33	24.95
		-39.63	-0.50	7.00e-05	0.0	251.1	88.51	-55.70	-2.72	3.45	-0.50	-39.63
6	12	24.88	5.37	1.58e-03	-59.95	0.0	95.02	4.76	-2.37	3.79	5.37	24.43
		-38.88	-0.59	-2.58e-04	0.0	251.1	95.02	-55.20	-2.37	3.79	-0.59	-38.88
6	13	25.17	6.38	1.55e-03	-59.95	0.0	91.64	4.54	-2.78	3.45	6.38	24.75
		-39.11	-0.59	3.86e-05	0.0	251.1	91.64	-55.41	-2.78	3.45	-0.59	-39.11
6	14	25.04	5.32	1.57e-03	-59.95	0.0	91.89	4.47	-2.32	3.78	5.32	24.63
		-39.40	-0.51	-2.27e-04	0.0	251.1	91.89	-55.48	-2.32	3.78	-0.51	-39.40
6	15	22.82	5.23	1.95e-03	-59.95	0.0	171.59	11.95	-1.97	4.41	5.23	19.84
		-25.41	0.29	-2.25e-04	0.0	251.1	171.59	-48.00	-1.97	4.41	0.29	-25.41
6	16	29.55	6.47	1.17e-03	-59.95	0.0	11.93	-2.95	-3.13	2.83	6.47	29.55
		-53.11	-1.38	3.67e-05	0.0	251.1	11.93	-62.90	-3.13	2.83	-1.38	-53.11
6	17	22.60	4.88	2.00e-03	-59.95	0.0	180.19	13.01	-1.66	4.34	4.88	19.13
		-23.48	0.73	-3.28e-04	0.0	251.1	180.19	-46.95	-1.66	4.34	0.73	-23.48
6	18	30.26	6.82	1.12e-03	-59.95	0.0	3.33	-4.00	-3.44	2.90	6.82	30.26
		-55.04	-1.82	1.40e-04	0.0	251.1	3.33	-63.95	-3.44	2.90	-1.82	-55.04
6	19	26.90	5.33	1.37e-03	-59.95	0.0	55.76	1.13	-2.93	3.14	5.33	26.90
		-45.53	-2.02	1.13e-04	0.0	251.1	55.76	-58.82	-2.93	3.14	-2.02	-45.53
6	20	24.99	5.37	1.57e-03	-59.95	0.0	92.87	4.56	-2.41	3.75	5.37	24.57
		-39.25	-0.67	-2.38e-04	0.0	251.1	92.87	-55.39	-2.41	3.75	-0.67	-39.25
6	21	26.71	5.38	1.38e-03	-59.95	0.0	58.57	1.39	-2.98	3.15	5.38	26.71
		-45.06	-2.10	8.46e-05	0.0	251.1	58.57	-58.57	-2.98	3.15	-2.10	-45.06
6	22	25.13	5.32	1.56e-03	-59.95	0.0	90.07	4.30	-2.35	3.75	5.32	24.75
		-39.71	-0.59	-2.10e-04	0.0	251.1	90.07	-55.65	-2.35	3.75	-0.59	-39.71
6	23	23.65	4.35	1.74e-03	-59.95	0.0	130.23	8.03	-2.26	4.01	4.35	22.31
		-32.78	-1.32	-1.52e-04	0.0	251.1	130.23	-51.92	-2.26	4.01	-1.32	-32.78
6	24	29.15	6.35	1.20e-03	-59.95	0.0	18.40	-2.35	-3.08	2.89	6.35	29.15
		-52.00	-1.38	2.64e-05	0.0	251.1	18.40	-62.30	-3.08	2.89	-1.38	-52.00
6	25	23.31	4.04	1.78e-03	-59.95	0.0	137.95	8.98	-1.98	3.94	4.04	21.67

		-31.05	-0.93	-2.44e-04	0.0	251.1	137.95	-50.98	-1.98	3.94	-0.93	-31.05
6	26	29.79	6.66	1.16e-03	-59.95	0.0	10.69	-3.29	-3.36	2.96	6.66	29.79
		-53.73	-1.77	1.19e-04	0.0	251.1	10.69	-63.24	-3.36	2.96	-1.77	-53.73
7	1	-22.12	1.03	1.98e-03	-291.31	0.0	180.03	187.01	0.50	0.96	-0.91	-221.99
		-221.99	-0.91	-1.71e-04	0.0	385.9	180.03	-104.30	0.50	0.96	1.03	-109.98
7	2	-40.48	1.89	3.58e-03	-459.67	0.0	297.26	289.72	0.94	1.67	-1.75	-342.46
		-342.46	-1.75	-3.19e-04	0.0	385.9	297.26	-169.95	0.94	1.67	1.89	-189.37
7	3	-5.14	0.27	5.38e-04	-120.48	0.0	66.35	80.64	0.12	0.31	-0.18	-96.63
		-96.63	-0.18	-4.04e-05	0.0	385.9	66.35	-39.83	0.12	0.31	0.27	-35.75
7	4	-24.08	1.12	2.14e-03	-288.84	0.0	183.57	183.36	0.56	1.01	-1.02	-217.10
		-217.10	-1.02	-1.88e-04	0.0	385.9	183.57	-105.48	0.56	1.01	1.12	-115.13
7	5	-15.51	0.72	1.39e-03	-210.27	0.0	128.87	135.43	0.35	0.68	-0.63	-160.88
		-160.88	-0.63	-1.19e-04	0.0	385.9	128.87	-74.84	0.35	0.68	0.72	-78.09
7	6	-27.75	1.29	2.46e-03	-322.51	0.0	207.02	203.90	0.64	1.15	-1.19	-241.19
		-241.19	-1.19	-2.18e-04	0.0	385.9	207.02	-118.61	0.64	1.15	1.29	-131.01
7	7	-15.51	0.72	1.39e-03	-210.27	0.0	128.87	135.43	0.35	0.68	-0.63	-160.88
		-160.88	-0.63	-1.19e-04	0.0	385.9	128.87	-74.84	0.35	0.68	0.72	-78.09
7	8	-24.08	1.12	2.14e-03	-288.84	0.0	183.57	183.36	0.56	1.01	-1.02	-217.10
		-217.10	-1.02	-1.88e-04	0.0	385.9	183.57	-105.48	0.56	1.01	1.12	-115.13
7	9	-15.51	0.72	1.39e-03	-210.27	0.0	128.87	135.43	0.35	0.68	-0.63	-160.88
		-160.88	-0.63	-1.19e-04	0.0	385.9	128.87	-74.84	0.35	0.68	0.72	-78.09
7	10	-22.85	1.07	2.03e-03	-277.61	0.0	175.76	176.51	0.53	0.97	-0.97	-209.07
		-209.07	-0.97	-1.79e-04	0.0	385.9	175.76	-101.10	0.53	0.97	1.07	-109.84
7	11	-19.72	-0.45	2.22e-03	-277.61	0.0	212.28	179.25	-0.42	0.31	-0.45	-211.87
		-211.87	-2.06	1.64e-04	0.0	385.9	212.28	-98.37	-0.42	0.31	-2.06	-102.09
7	12	-26.31	1.64	1.84e-03	-277.61	0.0	131.39	173.43	0.81	0.69	-1.48	-205.84
		-205.84	-1.48	-4.70e-04	0.0	385.9	131.39	-104.19	0.81	0.69	1.64	-118.51
7	13	-21.26	-0.54	2.20e-03	-277.61	0.0	216.09	178.76	-0.41	0.23	-0.54	-212.36
		-212.36	-2.10	1.13e-04	0.0	385.9	216.09	-98.85	-0.41	0.23	-2.10	-104.45
7	14	-24.78	1.68	1.86e-03	-277.61	0.0	127.58	173.91	0.80	0.78	-1.39	-205.35
		-205.35	-1.39	-4.09e-04	0.0	385.9	127.58	-103.70	0.80	0.78	1.68	-116.16
7	15	-20.53	73.48	2.03e-03	-277.61	0.0	160.41	177.16	27.67	-34.33	-33.31	-208.16
		-208.16	-33.31	-8.70e-03	0.0	385.9	160.41	-100.45	27.67	-34.33	73.48	-106.42
7	16	-25.51	31.39	2.02e-03	-277.61	0.0	183.26	175.51	-27.28	35.33	31.39	-209.55
		-209.55	-73.90	8.39e-03	0.0	385.9	183.26	-102.10	-27.28	35.33	-73.90	-114.18
7	17	-23.50	50.33	1.96e-03	-277.61	0.0	157.93	176.11	18.60	-24.92	-21.43	-208.85
		-208.85	-21.43	-6.36e-03	0.0	385.9	157.93	-101.50	18.60	-24.92	50.33	-111.16
7	18	-22.54	19.50	2.09e-03	-277.61	0.0	185.75	176.56	-18.21	25.93	19.50	-208.86
		-208.86	-50.76	6.05e-03	0.0	385.9	185.75	-101.05	-18.21	25.93	-50.76	-109.44
7	19	-19.75	0.55	2.20e-03	-277.61	0.0	215.53	179.27	0.27	1.21	-0.50	-211.96
		-211.96	-0.50	8.29e-05	0.0	385.9	215.53	-98.34	0.27	1.21	0.55	-102.07
7	20	-25.96	1.58	1.86e-03	-277.61	0.0	135.99	173.75	0.78	0.72	-1.43	-206.17
		-206.17	-1.43	-4.40e-04	0.0	385.9	135.99	-103.87	0.78	0.72	1.58	-117.61
7	21	-21.13	0.51	2.18e-03	-277.61	0.0	218.94	178.84	0.28	1.13	-0.58	-212.40
		-212.40	-0.58	2.77e-05	0.0	385.9	218.94	-98.77	0.28	1.13	0.51	-104.18
7	22	-24.58	1.62	1.87e-03	-277.61	0.0	132.58	174.18	0.77	0.80	-1.35	-205.74
		-205.74	-1.35	-3.85e-04	0.0	385.9	132.58	-103.43	0.77	0.80	1.62	-115.50
7	23	-20.47	68.26	2.04e-03	-277.61	0.0	169.03	177.41	25.45	-29.84	-29.96	-208.63
		-208.63	-29.96	-7.86e-03	0.0	385.9	169.03	-100.21	25.45	-29.84	68.26	-105.95
7	24	-25.23	28.03	2.02e-03	-277.61	0.0	182.48	175.62	-24.40	31.77	28.03	-209.50
		-209.50	-66.13	7.50e-03	0.0	385.9	182.48	-102.00	-24.40	31.77	-66.13	-113.73
7	25	-23.13	47.52	1.97e-03	-277.61	0.0	166.81	176.47	17.32	-21.41	-19.31	-209.25
		-209.25	-19.31	-5.76e-03	0.0	385.9	166.81	-101.15	17.32	-21.41	47.52	-110.20
7	26	-22.57	17.38	2.08e-03	-277.61	0.0	184.71	176.56	-16.26	23.34	17.38	-208.88
		-208.88	-45.38	5.41e-03	0.0	385.9	184.71	-101.06	-16.26	23.34	-45.38	-109.49
8	1	256.49	0.13	-2.49e-03	-642.02	0.0	170.29	331.20	-0.14	0.14	0.13	-308.03
		-308.03	-0.80	-5.82e-05	0.0	661.7	170.29	-310.82	-0.14	0.14	-0.80	-241.56
8	2	413.95	0.25	-3.95e-03	-1021.90	0.0	280.11	528.01	-0.27	0.14	0.25	-487.38
		-487.38	-1.51	-9.11e-05	0.0	661.7	280.11	-493.89	-0.27	0.14	-1.51	-376.05
8	3	100.40	0.03	-1.02e-03	-260.09	0.0	63.42	133.65	-0.03	0.10	0.03	-126.57
		-126.57	-0.17	-2.45e-05	0.0	661.7	63.42	-126.44	-0.03	0.10	-0.17	-103.06
8	4	257.86	0.14	-2.48e-03	-639.97	0.0	173.23	330.46	-0.16	0.11	0.14	-305.93
		-305.93	-0.89	-5.74e-05	0.0	661.7	173.23	-309.51	-0.16	0.11	-0.89	-237.54
8	5	184.38	0.09	-1.80e-03	-462.69	0.0	121.98	238.62	-0.10	0.10	0.09	-222.23
		-222.23	-0.55	-4.20e-05	0.0	661.7	121.98	-224.07	-0.10	0.10	-0.55	-174.78
8	6	289.35	0.17	-2.77e-03	-715.95	0.0	195.19	369.83	-0.18	0.11	0.17	-341.80
		-341.80	-1.03	-6.40e-05	0.0	661.7	195.19	-346.12	-0.18	0.11	-1.03	-264.44
8	7	184.38	0.09	-1.80e-03	-462.69	0.0	121.98	238.62	-0.10	0.10	0.09	-222.23
		-222.23	-0.55	-4.20e-05	0.0	661.7	121.98	-224.07	-0.10	0.10	-0.55	-174.78
8	8	257.86	0.14	-2.48e-03	-639.97	0.0	173.23	330.46	-0.16	0.11	0.14	-305.93
		-305.93	-0.89	-5.74e-05	0.0	661.7	173.23	-309.51	-0.16	0.11	-0.89	-237.54
8	9	184.38	0.09	-1.80e-03	-462.69	0.0	121.98	238.62	-0.10	0.10	0.09	-222.23
		-222.23	-0.55	-4.20e-05	0.0	661.7	121.98	-224.07	-0.10	0.10	-0.55	-174.78
8	10	247.36	0.14	-2.38e-03	-614.64	0.0	165.91	317.34	-0.15	0.11	0.14	-293.97

		-293.97	-0.84	-5.52e-05	0.0	661.7	165.91	-297.30	-0.15	0.11	-0.84	-228.58
8	11	247.93	1.68	-2.41e-03	-614.64	0.0	175.50	321.41	-0.31	0.45	1.68	-306.87
		-306.87	-0.39	3.95e-04	0.0	661.7	175.50	-293.23	-0.31	0.45	-0.39	-214.53
8	12	246.52	0.30	-2.34e-03	-614.64	0.0	148.22	313.37	-0.21	-0.64	0.30	-281.67
		-281.67	-1.07	-4.94e-04	0.0	661.7	148.22	-301.27	-0.21	-0.64	-1.07	-242.57
8	13	247.71	1.70	-2.40e-03	-614.64	0.0	175.69	321.54	-0.33	0.34	1.70	-307.53
		-307.53	-0.46	3.25e-04	0.0	661.7	175.69	-293.10	-0.33	0.34	-0.46	-214.33
8	14	246.74	0.28	-2.35e-03	-614.64	0.0	148.03	313.24	-0.19	-0.53	0.28	-281.01
		-281.01	-1.00	-4.24e-04	0.0	661.7	148.03	-301.40	-0.19	-0.53	-1.00	-242.77
8	15	246.61	-23.65	-2.38e-03	-614.64	0.0	149.99	317.59	1.68	-6.77	-34.74	-295.53
		-295.53	-34.74	-3.08e-03	0.0	661.7	149.99	-297.06	1.68	-6.77	-23.65	-228.52
8	16	247.83	36.71	-2.37e-03	-614.64	0.0	173.73	317.20	-2.19	6.58	36.71	-293.02
		-293.02	22.19	2.99e-03	0.0	661.7	173.73	-297.45	-2.19	6.58	22.19	-228.59
8	17	246.01	-14.10	-2.36e-03	-614.64	0.0	146.37	317.08	2.07	-6.64	-27.81	-294.45
		-294.45	-27.81	-3.08e-03	0.0	661.7	146.37	-297.57	2.07	-6.64	-14.10	-230.81
8	18	248.44	29.78	-2.40e-03	-614.64	0.0	177.35	317.71	-2.59	6.45	29.78	-294.09
		-294.09	12.63	2.98e-03	0.0	661.7	177.35	-296.94	-2.59	6.45	12.63	-226.30
8	19	248.12	-0.01	-2.41e-03	-614.64	0.0	181.76	320.90	-0.09	0.77	-0.01	-305.00
		-305.00	-0.63	3.38e-04	0.0	661.7	181.76	-293.74	-0.09	0.77	-0.63	-216.03
8	20	246.60	0.28	-2.35e-03	-614.64	0.0	150.06	313.78	-0.20	-0.56	0.28	-282.95
		-282.95	-1.05	-4.48e-04	0.0	661.7	150.06	-300.86	-0.20	-0.56	-1.05	-241.12
8	21	247.92	7.58e-03	-2.41e-03	-614.64	0.0	181.94	321.02	-0.11	0.68	7.58e-03	-305.59
		-305.59	-0.70	2.75e-04	0.0	661.7	181.94	-293.62	-0.11	0.68	-0.70	-215.85
8	22	246.81	0.27	-2.36e-03	-614.64	0.0	149.88	313.67	-0.19	-0.46	0.27	-282.36
		-282.36	-0.98	-3.86e-04	0.0	661.7	149.88	-300.98	-0.19	-0.46	-0.98	-241.30
8	23	246.94	-21.48	-2.39e-03	-614.64	0.0	158.90	317.47	1.69	-5.69	-32.65	-294.83
		-294.83	-32.65	-2.78e-03	0.0	661.7	158.90	-297.17	1.69	-5.69	-21.48	-228.57
8	24	247.79	32.92	-2.37e-03	-614.64	0.0	172.92	317.21	-1.98	5.91	32.92	-293.12
		-293.12	19.80	2.67e-03	0.0	661.7	172.92	-297.43	-1.98	5.91	19.80	-228.59
8	25	246.40	-12.92	-2.36e-03	-614.64	0.0	155.65	317.02	2.04	-5.58	-26.44	-293.86
		-293.86	-26.44	-2.78e-03	0.0	661.7	155.65	-297.63	2.04	-5.58	-12.92	-230.62
8	26	248.33	26.71	-2.40e-03	-614.64	0.0	176.17	317.67	-2.34	5.79	26.71	-294.08
		-294.08	11.24	2.67e-03	0.0	661.7	176.17	-296.98	-2.34	5.79	11.24	-226.53
9	1	151.24	0.20	-2.79e-03	-525.59	0.0	176.60	230.82	-0.02	0.23	0.20	-123.19
		-296.33	0.11	-2.50e-05	0.0	541.5	176.60	-294.77	-0.02	0.23	0.11	-296.33
9	2	240.09	0.38	-4.56e-03	-836.59	0.0	290.61	368.80	-0.03	0.29	0.38	-200.06
		-468.05	0.22	-3.94e-05	0.0	541.5	290.61	-467.79	-0.03	0.29	0.22	-468.05
9	3	61.67	0.04	-1.06e-03	-212.91	0.0	65.68	92.64	-3.49e-03	0.14	0.04	-47.46
		-122.27	0.02	-1.23e-05	0.0	541.5	65.68	-120.27	-3.49e-03	0.14	0.02	-122.27
9	4	150.51	0.22	-2.83e-03	-523.91	0.0	179.69	230.62	-0.02	0.20	0.22	-124.33
		-293.99	0.13	-2.47e-05	0.0	541.5	179.69	-293.29	-0.02	0.20	0.13	-293.99
9	5	109.05	0.14	-2.00e-03	-378.78	0.0	126.49	166.23	-0.01	0.17	0.14	-88.46
		-213.85	0.08	-1.81e-05	0.0	541.5	126.49	-212.55	-0.01	0.17	0.08	-213.85
9	6	168.28	0.26	-3.18e-03	-586.11	0.0	202.50	258.22	-0.02	0.21	0.26	-139.70
		-328.34	0.15	-2.76e-05	0.0	541.5	202.50	-327.89	-0.02	0.21	0.15	-328.34
9	7	109.05	0.14	-2.00e-03	-378.78	0.0	126.49	166.23	-0.01	0.17	0.14	-88.46
		-213.85	0.08	-1.81e-05	0.0	541.5	126.49	-212.55	-0.01	0.17	0.08	-213.85
9	8	150.51	0.22	-2.83e-03	-523.91	0.0	179.69	230.62	-0.02	0.20	0.22	-124.33
		-293.99	0.13	-2.47e-05	0.0	541.5	179.69	-293.29	-0.02	0.20	0.13	-293.99
9	9	109.05	0.14	-2.00e-03	-378.78	0.0	126.49	166.23	-0.01	0.17	0.14	-88.46
		-213.85	0.08	-1.81e-05	0.0	541.5	126.49	-212.55	-0.01	0.17	0.08	-213.85
9	10	144.59	0.21	-2.71e-03	-503.18	0.0	172.09	221.42	-0.02	0.20	0.21	-119.20
		-282.54	0.12	-2.37e-05	0.0	541.5	172.09	-281.76	-0.02	0.20	0.12	-282.54
9	11	147.35	1.70	-2.72e-03	-503.18	0.0	148.09	222.70	0.75	1.62	-2.39	-119.47
		-275.90	-2.39	-7.02e-05	0.0	541.5	148.09	-280.48	0.75	1.62	1.70	-275.90
9	12	143.34	0.49	-2.69e-03	-503.18	0.0	187.53	219.23	0.09	-0.33	-4.24e-03	-115.26
		-290.48	-4.24e-03	-4.32e-04	0.0	541.5	187.53	-283.95	0.09	-0.33	0.49	-290.48
9	13	148.46	1.75	-2.72e-03	-503.18	0.0	143.93	222.41	0.76	1.55	-2.38	-117.66
		-275.68	-2.38	-1.33e-04	0.0	541.5	143.93	-280.77	0.76	1.55	1.75	-275.68
9	14	142.22	0.43	-2.69e-03	-503.18	0.0	191.70	219.52	0.08	-0.25	-6.57e-03	-117.07
		-290.69	-6.57e-03	-3.69e-04	0.0	541.5	191.70	-283.65	0.08	-0.25	0.43	-290.69
9	15	147.92	68.76	-2.70e-03	-503.18	0.0	154.97	219.24	-20.27	32.77	68.76	-110.70
		-285.87	-40.98	0.01	0.0	541.5	154.97	-283.94	-20.27	32.77	-40.98	-285.87
9	16	142.77	43.17	-2.71e-03	-503.18	0.0	180.66	222.69	21.11	-31.47	-71.15	-124.03
		-280.50	-71.15	-0.01	0.0	541.5	180.66	-280.49	21.11	-31.47	43.17	-280.50
9	17	149.56	51.86	-2.70e-03	-503.18	0.0	150.11	218.45	-15.50	25.42	51.86	-107.20
		-286.62	-32.07	7.47e-03	0.0	541.5	150.11	-284.73	-15.50	25.42	-32.07	-286.62
9	18	141.12	34.25	-2.71e-03	-503.18	0.0	185.52	223.48	16.34	-24.12	-54.25	-127.53
		-279.76	-54.25	-7.98e-03	0.0	541.5	185.52	-279.70	16.34	-24.12	34.25	-279.76
9	19	145.71	0.40	-2.73e-03	-503.18	0.0	158.25	223.39	-0.11	0.67	0.40	-122.74
		-275.44	-0.21	3.48e-04	0.0	541.5	158.25	-279.79	-0.11	0.67	-0.21	-275.44
9	20	143.46	0.45	-2.69e-03	-503.18	0.0	185.93	219.46	0.08	-0.27	0.02	-115.67
		-289.65	0.02	-3.89e-04	0.0	541.5	185.93	-283.72	0.08	-0.27	0.45	-289.65
9	21	146.71	0.40	-2.73e-03	-503.18	0.0	154.52	223.13	-0.10	0.60	0.40	-121.12

		-275.24	-0.15	2.91e-04	0.0	541.5	154.52	-280.05	-0.10	0.60	-0.15	-275.24
9	22	142.47	0.40	-2.69e-03	-503.18	0.0	189.67	219.72	0.07	-0.21	0.02	-117.29
		-289.85	0.02	-3.33e-04	0.0	541.5	189.67	-283.46	0.07	-0.21	0.40	-289.85
9	23	146.22	64.17	-2.71e-03	-503.18	0.0	164.42	220.29	-18.95	28.58	64.17	-114.88
		-284.37	-38.46	9.76e-03	0.0	541.5	164.42	-282.89	-18.95	28.58	-38.46	-284.37
9	24	142.95	38.71	-2.71e-03	-503.18	0.0	179.77	222.56	18.92	-28.19	-63.75	-123.53
		-280.72	-63.75	-9.80e-03	0.0	541.5	179.77	-280.62	18.92	-28.19	38.71	-280.72
9	25	147.69	49.02	-2.71e-03	-503.18	0.0	160.06	219.58	-14.68	22.00	49.02	-111.74
		-285.04	-30.47	7.11e-03	0.0	541.5	160.06	-283.59	-14.68	22.00	-30.47	-285.04
9	26	141.48	30.71	-2.71e-03	-503.18	0.0	184.13	223.26	14.65	-21.60	-48.60	-126.67
		-280.05	-48.60	-7.15e-03	0.0	541.5	184.13	-279.92	14.65	-21.60	30.71	-280.05
10	1	160.80	0.41	2.00e-03	-526.44	0.0	280.59	273.23	0.24	-4.01	-0.87	-237.16
		-237.16	-0.87	-2.34e-04	0.0	538.8	280.59	-253.22	0.24	-4.01	0.41	-156.30
10	2	258.19	0.69	3.26e-03	-838.11	0.0	450.09	433.31	0.43	-6.78	-1.65	-371.18
		-371.18	-1.65	-3.80e-04	0.0	538.8	450.09	-404.80	0.43	-6.78	0.69	-250.18
10	3	63.75	0.14	7.71e-04	-213.16	0.0	111.53	111.66	0.06	-1.38	-0.20	-99.96
		-99.96	-0.20	-8.99e-05	0.0	538.8	111.53	-101.50	0.06	-1.38	0.14	-62.45
10	4	161.15	0.42	2.02e-03	-524.83	0.0	281.03	271.75	0.26	-4.15	-0.97	-233.98
		-233.98	-0.97	-2.36e-04	0.0	538.8	281.03	-253.08	0.26	-4.15	0.42	-156.34
10	5	115.70	0.29	1.44e-03	-379.38	0.0	201.93	197.04	0.17	-2.86	-0.61	-171.44
		-171.44	-0.61	-1.68e-04	0.0	538.8	201.93	-182.34	0.17	-2.86	0.29	-112.52
10	6	180.63	0.48	2.27e-03	-587.16	0.0	314.93	303.76	0.30	-4.70	-1.12	-260.78
		-260.78	-1.12	-2.65e-04	0.0	538.8	314.93	-283.40	0.30	-4.70	0.48	-175.11
10	7	115.70	0.29	1.44e-03	-379.38	0.0	201.93	197.04	0.17	-2.86	-0.61	-171.44
		-171.44	-0.61	-1.68e-04	0.0	538.8	201.93	-182.34	0.17	-2.86	0.29	-112.52
10	8	161.15	0.42	2.02e-03	-524.83	0.0	281.03	271.75	0.26	-4.15	-0.97	-233.98
		-233.98	-0.97	-2.36e-04	0.0	538.8	281.03	-253.08	0.26	-4.15	0.42	-156.34
10	9	115.70	0.29	1.44e-03	-379.38	0.0	201.93	197.04	0.17	-2.86	-0.61	-171.44
		-171.44	-0.61	-1.68e-04	0.0	538.8	201.93	-182.34	0.17	-2.86	0.29	-112.52
10	10	154.66	0.40	1.94e-03	-504.05	0.0	269.73	261.07	0.24	-3.97	-0.92	-225.04
		-225.04	-0.92	-2.26e-04	0.0	538.8	269.73	-242.98	0.24	-3.97	0.40	-150.08
10	11	154.48	-0.07	1.93e-03	-504.05	0.0	274.02	263.55	-0.08	-3.97	-0.07	-232.74
		-232.74	-0.49	1.23e-04	0.0	538.8	274.02	-240.50	-0.08	-3.97	-0.49	-144.40
10	12	154.32	0.55	1.97e-03	-504.05	0.0	256.20	259.60	-0.25	-5.53	0.55	-221.22
		-221.22	-0.77	-5.60e-04	0.0	538.8	256.20	-244.45	-0.25	-5.53	-0.77	-154.17
10	13	153.48	0.14	1.93e-03	-504.05	0.0	276.05	263.48	-0.15	-4.23	0.14	-233.52
		-233.52	-0.68	6.90e-05	0.0	538.8	276.05	-240.57	-0.15	-4.23	-0.68	-145.57
10	14	155.30	0.34	1.96e-03	-504.05	0.0	254.17	259.67	-0.17	-5.26	0.34	-220.43
		-220.43	-0.58	-5.04e-04	0.0	538.8	254.17	-244.38	-0.17	-5.26	-0.58	-153.01
10	15	151.25	21.39	2.01e-03	-504.05	0.0	250.52	263.60	8.46	-15.37	-24.17	-236.11
		-236.11	-24.17	-2.93e-03	0.0	538.8	250.52	-240.45	8.46	-15.37	21.39	-217.52
10	16	157.57	24.65	1.89e-03	-504.05	0.0	279.70	259.56	-8.78	5.88	24.65	-217.84
		-217.84	-22.65	2.49e-03	0.0	538.8	279.70	-244.50	-8.78	5.88	-22.65	-151.05
10	17	149.73	26.73	2.03e-03	-504.05	0.0	248.42	263.62	10.62	-17.79	-30.49	-237.69
		-237.69	-30.49	-3.69e-03	0.0	538.8	248.42	-240.43	10.62	-17.79	26.73	-149.00
10	18	159.10	30.97	1.87e-03	-504.05	0.0	281.81	259.54	-10.94	8.30	30.97	-216.26
		-216.26	-28.00	3.25e-03	0.0	538.8	281.81	-244.52	-10.94	8.30	-28.00	-149.58
10	19	155.22	1.45	1.92e-03	-504.05	0.0	281.86	262.39	0.68	-2.57	-2.23	-228.47
		-228.47	-2.23	7.32e-05	0.0	538.8	281.86	-241.66	0.68	-2.57	1.45	-146.40
10	20	154.34	0.40	1.96e-03	-504.05	0.0	257.60	259.76	-0.19	-5.37	0.40	-221.61
		-221.61	-0.65	-5.26e-04	0.0	538.8	257.60	-244.30	-0.19	-5.37	-0.65	-153.75
10	21	154.33	1.28	1.92e-03	-504.05	0.0	283.68	262.33	0.62	-2.80	-2.04	-229.18
		-229.18	-2.04	4.16e-05	0.0	538.8	283.68	-241.72	0.62	-2.80	1.28	-147.45
10	22	155.21	0.21	1.96e-03	-504.05	0.0	255.78	259.82	-0.13	-5.13	0.21	-220.91
		-220.91	-0.48	-4.75e-04	0.0	538.8	255.78	-244.23	-0.13	-5.13	-0.48	-152.71
10	23	152.33	21.07	1.99e-03	-504.05	0.0	260.80	262.43	8.33	-12.79	-23.84	-231.50
		-231.50	-23.84	-2.66e-03	0.0	538.8	260.80	-241.62	8.33	-12.79	21.07	-149.20
10	24	157.25	22.00	1.89e-03	-504.05	0.0	278.67	259.71	-7.84	4.86	22.00	-218.59
		-218.59	-20.26	2.21e-03	0.0	538.8	278.67	-244.34	-7.84	4.86	-20.26	-150.95
10	25	150.96	25.86	2.00e-03	-504.05	0.0	258.91	262.45	10.27	-14.96	-29.50	-232.91
		-232.91	-29.50	-3.34e-03	0.0	538.8	258.91	-241.60	10.27	-14.96	25.86	-150.52
10	26	158.62	27.66	1.87e-03	-504.05	0.0	280.55	259.69	-9.78	7.03	27.66	-217.17
		-217.17	-25.05	2.89e-03	0.0	538.8	280.55	-244.36	-9.78	7.03	-25.05	-149.63
11	1	144.92	0.87	-1.49e-03	-136.11	0.0	-3.25	227.30	1.09	11.09	-1.27	-166.73
		-166.73	-1.27	7.63e-05	0.0	195.9	-3.25	91.19	1.09	11.09	0.87	144.92
11	2	222.24	2.41	-2.34e-03	-214.04	0.0	0.35	351.77	2.32	19.72	-2.14	-256.71
		-256.71	-2.14	1.07e-04	0.0	195.9	0.35	137.73	2.32	19.72	2.41	222.24
11	3	63.90	-0.28	-6.25e-04	-56.74	0.0	-4.72	98.25	0.08	3.21	-0.44	-72.89
		-72.89	-0.44	4.00e-05	0.0	195.9	-4.72	41.51	0.08	3.21	-0.28	63.90
11	4	141.22	1.26	-1.47e-03	-134.67	0.0	-1.12	222.72	1.31	11.85	-1.31	-162.86
		-162.86	-1.31	7.03e-05	0.0	195.9	-1.12	88.05	1.31	11.85	1.26	141.22
11	5	105.13	0.54	-1.08e-03	-98.31	0.0	-2.80	164.63	0.74	7.82	-0.91	-120.87
		-120.87	-0.91	5.62e-05	0.0	195.9	-2.80	66.33	0.74	7.82	0.54	105.13
11	6	156.68	1.57	-1.64e-03	-150.26	0.0	-0.40	247.61	1.56	13.58	-1.49	-180.86

11	7	-180.86	-1.49	7.64e-05	0.0	195.9	-0.40	97.35	1.56	13.58	1.57	156.68
		105.13	0.54	-1.08e-03	-98.31	0.0	-2.80	164.63	0.74	7.82	-0.91	-120.87
		-120.87	-0.91	5.62e-05	0.0	195.9	-2.80	66.33	0.74	7.82	0.54	105.13
11	8	141.22	1.26	-1.47e-03	-134.67	0.0	-1.12	222.72	1.31	11.85	-1.31	-162.86
		-162.86	-1.31	7.03e-05	0.0	195.9	-1.12	88.05	1.31	11.85	1.26	141.22
11	9	105.13	0.54	-1.08e-03	-98.31	0.0	-2.80	164.63	0.74	7.82	-0.91	-120.87
		-120.87	-0.91	5.62e-05	0.0	195.9	-2.80	66.33	0.74	7.82	0.54	105.13
11	10	136.06	1.16	-1.41e-03	-129.48	0.0	-1.36	214.42	1.23	11.27	-1.25	-156.87
		-156.87	-1.25	6.83e-05	0.0	195.9	-1.36	84.94	1.23	11.27	1.16	136.06
11	11	131.42	0.91	-1.41e-03	-129.48	0.0	-17.19	215.40	1.06	10.93	-1.17	-163.42
		-163.42	-1.17	4.66e-05	0.0	195.9	-17.19	85.92	1.06	10.93	0.91	131.42
11	12	150.82	-0.75	-1.48e-03	-129.48	0.0	3.44	221.31	-1.22	7.66	-0.75	-155.60
		-155.60	-3.14	4.14e-05	0.0	195.9	3.44	91.83	-1.22	7.66	-3.14	150.82
11	13	133.11	0.19	-1.43e-03	-129.48	0.0	-18.43	216.76	0.63	10.42	-1.04	-164.39
		-164.39	-1.04	4.74e-05	0.0	195.9	-18.43	87.28	0.63	10.42	0.19	133.11
11	14	149.13	-0.87	-1.47e-03	-129.48	0.0	4.68	219.95	-0.79	8.17	-0.87	-154.63
		-154.63	-2.43	3.84e-05	0.0	195.9	4.68	90.47	-0.79	8.17	-2.43	149.13
11	15	170.09	14.41	-1.62e-03	-129.48	0.0	-37.23	239.81	8.34	-2.64	-1.94	-172.57
		-172.57	-1.94	-3.91e-04	0.0	195.9	-37.23	110.33	8.34	-2.64	14.41	170.09
11	16	112.15	0.02	-1.28e-03	-129.48	0.0	23.49	196.90	-8.50	21.23	0.02	-146.46
		-146.46	-16.65	4.73e-04	0.0	195.9	23.49	67.43	-8.50	21.23	-16.65	112.15
11	17	176.10	24.47	-1.67e-03	-129.48	0.0	-36.45	244.23	14.50	-8.15	-3.95	-175.23
		-175.23	-3.95	-8.73e-04	0.0	195.9	-36.45	114.75	14.50	-8.15	24.47	176.10
11	18	106.14	2.03	-1.23e-03	-129.48	0.0	22.71	192.48	-14.67	26.74	2.03	-143.79
		-143.79	-26.70	9.55e-04	0.0	195.9	22.71	63.00	-14.67	26.74	-26.70	106.14
11	19	122.83	5.02	-1.35e-03	-129.48	0.0	-5.66	208.24	3.43	14.52	-1.71	-158.00
		-158.00	-1.71	9.75e-05	0.0	195.9	-5.66	78.77	3.43	14.52	5.02	122.83
11	20	149.29	-0.80	-1.48e-03	-129.48	0.0	2.94	220.60	-0.97	8.03	-0.80	-155.74
		-155.74	-2.70	4.25e-05	0.0	195.9	2.94	91.12	-0.97	8.03	-2.70	149.29
11	21	124.35	4.38	-1.37e-03	-129.48	0.0	-6.77	209.46	3.05	14.05	-1.59	-158.87
		-158.87	-1.59	9.82e-05	0.0	195.9	-6.77	79.99	3.05	14.05	4.38	124.35
11	22	147.77	-0.91	-1.46e-03	-129.48	0.0	4.06	219.38	-0.58	8.50	-0.91	-154.86
		-154.86	-2.06	4.00e-05	0.0	195.9	4.06	89.90	-0.58	8.50	-2.06	147.77
11	23	157.49	17.12	-1.54e-03	-129.48	0.0	-23.63	230.12	9.96	2.35	-2.39	-166.20
		-166.20	-2.39	-2.98e-04	0.0	195.9	-23.63	100.64	9.96	2.35	17.12	157.49
11	24	114.63	-0.11	-1.29e-03	-129.48	0.0	20.91	198.72	-7.50	20.20	-0.11	-147.53
		-147.53	-14.80	4.31e-04	0.0	195.9	20.91	69.24	-7.50	20.20	-14.80	114.63
11	25	162.88	26.14	-1.58e-03	-129.48	0.0	-22.93	234.09	15.48	-2.59	-4.20	-168.58
		-168.58	-4.20	-7.26e-04	0.0	195.9	-22.93	104.61	15.48	-2.59	26.14	162.88
11	26	109.24	1.69	-1.25e-03	-129.48	0.0	20.21	194.75	-13.02	25.14	1.69	-145.15
		-145.15	-23.82	8.63e-04	0.0	195.9	20.21	65.27	-13.02	25.14	-23.82	109.24
12	1	-1.04	0.54	9.61e-05	-9.94	0.0	-44.27	4.60	-0.03	-0.15	0.54	-4.64
		-5.91	0.45	-7.92e-05	0.0	340.0	-44.27	-5.35	-0.03	-0.15	0.45	-5.91
12	2	-2.76	0.86	2.01e-04	-9.94	0.0	-75.05	4.42	-0.04	-0.22	0.86	-6.09
		-7.98	0.72	-1.30e-04	0.0	340.0	-75.05	-5.53	-0.04	-0.22	0.72	-7.98
12	3	0.27	0.22	1.35e-05	-7.65	0.0	-15.11	3.65	-0.01	-0.07	0.22	-2.68
		-3.28	0.18	-2.98e-05	0.0	340.0	-15.11	-4.00	-0.01	-0.07	0.18	-3.28
12	4	-1.46	0.54	1.14e-04	-7.65	0.0	-45.89	3.47	-0.03	-0.14	0.54	-4.13
		-5.34	0.45	-8.04e-05	0.0	340.0	-45.89	-4.18	-0.03	-0.14	0.45	-5.34
12	5	-0.66	0.39	6.53e-05	-7.65	0.0	-31.53	3.55	-0.02	-0.11	0.39	-3.45
		-4.38	0.33	-5.68e-05	0.0	340.0	-31.53	-4.10	-0.02	-0.11	0.33	-4.38
12	6	-1.80	0.60	1.35e-04	-7.65	0.0	-52.05	3.43	-0.03	-0.16	0.60	-4.42
		-5.76	0.51	-9.06e-05	0.0	340.0	-52.05	-4.22	-0.03	-0.16	0.51	-5.76
12	7	-0.66	0.39	6.53e-05	-7.65	0.0	-31.53	3.55	-0.02	-0.11	0.39	-3.45
		-4.38	0.33	-5.68e-05	0.0	340.0	-31.53	-4.10	-0.02	-0.11	0.33	-4.38
12	8	-1.46	0.54	1.14e-04	-7.65	0.0	-45.89	3.47	-0.03	-0.14	0.54	-4.13
		-5.34	0.45	-8.04e-05	0.0	340.0	-45.89	-4.18	-0.03	-0.14	0.45	-5.34
12	9	-0.66	0.39	6.53e-05	-7.65	0.0	-31.53	3.55	-0.02	-0.11	0.39	-3.45
		-4.38	0.33	-5.68e-05	0.0	340.0	-31.53	-4.10	-0.02	-0.11	0.33	-4.38
12	10	-1.35	0.52	1.07e-04	-7.65	0.0	-43.84	3.48	-0.02	-0.14	0.52	-4.03
		-5.20	0.43	-7.71e-05	0.0	340.0	-43.84	-4.17	-0.02	-0.14	0.43	-5.20
12	11	-1.52	0.69	1.33e-04	-7.65	0.0	-45.06	3.29	-0.15	-0.08	0.69	-3.92
		-5.75	0.18	9.57e-05	0.0	340.0	-45.06	-4.36	-0.15	-0.08	0.18	-5.75
12	12	-1.34	0.76	9.42e-05	-7.65	0.0	-43.84	3.38	-0.16	-0.28	0.76	-3.88
		-5.39	0.23	-3.25e-04	0.0	340.0	-43.84	-4.27	-0.16	-0.28	0.23	-5.39
12	13	-1.52	0.70	1.30e-04	-7.65	0.0	-45.17	3.23	-0.16	-0.10	0.70	-3.83
		-5.86	0.17	5.35e-05	0.0	340.0	-45.17	-4.42	-0.16	-0.10	0.17	-5.86
12	14	-1.34	0.75	9.65e-05	-7.65	0.0	-43.73	3.44	-0.15	-0.27	0.75	-3.96
		-5.29	0.24	-2.83e-04	0.0	340.0	-43.73	-4.21	-0.15	-0.27	0.24	-5.29
12	15	-1.45	1.32	1.31e-04	-7.65	0.0	-37.05	3.11	-0.69	-0.38	1.32	-3.58
		-6.02	-1.04	-3.05e-04	0.0	340.0	-37.05	-4.54	-0.69	-0.38	-1.04	-6.02
12	16	-1.41	1.44	9.73e-05	-7.65	0.0	-51.85	3.56	0.39	0.01	0.13	-4.22
		-5.12	0.13	7.60e-05	0.0	340.0	-51.85	-4.09	0.39	0.01	1.44	-5.12
12	17	-1.46	1.20	1.10e-04	-7.65	0.0	-37.80	3.00	-0.59	-0.42	1.20	-3.46

		-6.25	-0.79	-4.41e-04	0.0	340.0	-37.80	-4.65	-0.59	-0.42	-0.79	-6.25
12	18	-1.37	1.20	1.16e-04	-7.65	0.0	-51.10	3.66	0.28	0.05	0.25	-4.34
		-4.89	0.25	2.12e-04	0.0	340.0	-51.10	-3.99	0.28	0.05	1.20	-4.89
12	19	-1.35	0.62	1.20e-04	-7.65	0.0	-43.84	3.57	0.09	-3.24e-03	0.30	-4.17
		-5.04	0.30	1.57e-04	0.0	340.0	-43.84	-4.08	0.09	-3.24e-03	0.62	-5.04
12	20	-1.34	0.73	9.55e-05	-7.65	0.0	-43.84	3.39	-0.14	-0.27	0.73	-3.89
		-5.37	0.25	-2.99e-04	0.0	340.0	-43.84	-4.26	-0.14	-0.27	0.25	-5.37
12	21	-1.35	0.61	1.17e-04	-7.65	0.0	-43.94	3.52	0.09	-0.02	0.31	-4.10
		-5.13	0.31	1.19e-04	0.0	340.0	-43.94	-4.13	0.09	-0.02	0.61	-5.13
12	22	-1.34	0.72	9.75e-05	-7.65	0.0	-43.74	3.44	-0.14	-0.25	0.72	-3.97
		-5.28	0.26	-2.61e-04	0.0	340.0	-43.74	-4.21	-0.14	-0.25	0.26	-5.28
12	23	-1.28	0.87	1.18e-04	-7.65	0.0	-36.66	3.41	-0.39	-0.27	0.87	-3.87
		-5.28	-0.47	-2.02e-04	0.0	340.0	-36.66	-4.24	-0.39	-0.27	-0.47	-5.28
12	24	-1.41	1.34	9.83e-05	-7.65	0.0	-51.02	3.55	0.34	-8.24e-04	0.17	-4.20
		-5.13	0.17	6.08e-05	0.0	340.0	-51.02	-4.10	0.34	-8.24e-04	1.34	-5.13
12	25	-1.31	0.76	9.93e-05	-7.65	0.0	-37.33	3.32	-0.30	-0.31	0.76	-3.76
		-5.48	-0.25	-3.24e-04	0.0	340.0	-37.33	-4.33	-0.30	-0.31	-0.25	-5.48
12	26	-1.37	1.12	1.15e-04	-7.65	0.0	-50.35	3.64	0.25	0.03	0.27	-4.31
		-4.93	0.27	1.83e-04	0.0	340.0	-50.35	-4.01	0.25	0.03	1.12	-4.93
13	1	-1.26	-0.45	1.32e-04	-9.95	0.0	-54.73	4.32	0.05	0.16	-0.61	-4.45
		-6.66	-0.61	-4.22e-05	0.0	340.0	-54.73	-5.62	0.05	0.16	-0.45	-6.66
13	2	-3.11	-0.74	2.62e-04	-9.95	0.0	-92.15	3.99	0.06	0.24	-0.96	-5.82
		-9.15	-0.96	-7.53e-05	0.0	340.0	-92.15	-5.95	0.06	0.24	-0.74	-9.15
13	3	0.18	-0.17	2.40e-05	-7.65	0.0	-19.07	3.53	0.03	0.08	-0.26	-2.58
		-3.59	-0.26	-1.22e-05	0.0	340.0	-19.07	-4.12	0.03	0.08	-0.17	-3.59
13	4	-1.68	-0.46	1.52e-04	-7.65	0.0	-56.49	3.20	0.04	0.15	-0.60	-3.95
		-6.08	-0.60	-4.52e-05	0.0	340.0	-56.49	-4.45	0.04	0.15	-0.46	-6.08
13	5	-0.81	-0.32	9.09e-05	-7.65	0.0	-39.03	3.35	0.04	0.12	-0.44	-3.31
		-4.92	-0.44	-2.98e-05	0.0	340.0	-39.03	-4.30	0.04	0.12	-0.32	-4.92
13	6	-2.05	-0.51	1.78e-04	-7.65	0.0	-63.97	3.13	0.05	0.17	-0.67	-4.22
		-6.58	-0.67	-5.18e-05	0.0	340.0	-63.97	-4.52	0.05	0.17	-0.51	-6.58
13	7	-0.81	-0.32	9.09e-05	-7.65	0.0	-39.03	3.35	0.04	0.12	-0.44	-3.31
		-4.92	-0.44	-2.98e-05	0.0	340.0	-39.03	-4.30	0.04	0.12	-0.32	-4.92
13	8	-1.68	-0.46	1.52e-04	-7.65	0.0	-56.49	3.20	0.04	0.15	-0.60	-3.95
		-6.08	-0.60	-4.52e-05	0.0	340.0	-56.49	-4.45	0.04	0.15	-0.46	-6.08
13	9	-0.81	-0.32	9.09e-05	-7.65	0.0	-39.03	3.35	0.04	0.12	-0.44	-3.31
		-4.92	-0.44	-2.98e-05	0.0	340.0	-39.03	-4.30	0.04	0.12	-0.32	-4.92
13	10	-1.56	-0.44	1.43e-04	-7.65	0.0	-54.00	3.22	0.04	0.15	-0.58	-3.86
		-5.91	-0.58	-4.30e-05	0.0	340.0	-54.00	-4.43	0.04	0.15	-0.44	-5.91
13	11	-1.71	-0.38	1.65e-04	-7.65	0.0	-55.19	3.89	0.10	0.17	-0.71	-5.07
		-5.07	-0.71	1.29e-04	0.0	340.0	-55.19	-3.76	0.10	0.17	-0.38	-4.85
13	12	-1.18	-0.43	1.24e-04	-7.65	0.0	-53.60	2.38	0.04	0.20	-0.58	-2.44
		-7.34	-0.58	-2.86e-04	0.0	340.0	-53.60	-5.27	0.04	0.20	-0.43	-7.34
13	13	-1.72	-0.46	1.63e-04	-7.65	0.0	-55.22	3.79	0.05	0.16	-0.63	-4.91
		-5.03	-0.63	9.19e-05	0.0	340.0	-55.22	-3.86	0.05	0.16	-0.46	-5.03
13	14	-1.23	-0.35	1.25e-04	-7.65	0.0	-53.57	2.48	0.09	0.21	-0.66	-2.59
		-7.17	-0.66	-2.44e-04	0.0	340.0	-53.57	-5.17	0.09	0.21	-0.35	-7.17
13	15	-1.65	-1.07	-1.20e-04	-7.65	0.0	-59.23	2.73	-0.13	0.35	-1.07	-3.30
		-7.03	-1.51	-2.41e-04	0.0	340.0	-59.23	-4.92	-0.13	0.35	-1.51	-7.03
13	16	-1.43	0.70	1.90e-04	-7.65	0.0	-49.55	3.54	0.27	0.02	-0.22	-4.21
		-5.17	-0.22	8.29e-05	0.0	340.0	-49.55	-4.11	0.27	0.02	0.70	-5.17
13	17	-1.46	-1.04	1.11e-04	-7.65	0.0	-58.65	2.39	0.13	0.38	-1.47	-2.73
		-7.60	-1.47	-3.70e-04	0.0	340.0	-58.65	-5.26	0.13	0.38	-1.04	-7.60
13	18	-1.44	0.23	1.79e-04	-7.65	0.0	-50.14	3.88	0.01	-6.41e-03	0.19	-4.78
		-4.78	0.19	2.12e-04	0.0	340.0	-50.14	-3.77	0.01	-6.41e-03	0.23	-4.59
13	19	-1.63	-0.45	1.61e-04	-7.65	0.0	-54.35	3.97	0.04	0.10	-0.59	-5.13
		-5.13	-0.59	1.75e-04	0.0	340.0	-54.35	-3.68	0.04	0.10	-0.45	-4.63
13	20	-1.23	-0.43	1.26e-04	-7.65	0.0	-53.64	2.47	0.04	0.19	-0.58	-2.59
		-7.19	-0.58	-2.61e-04	0.0	340.0	-53.64	-5.18	0.04	0.19	-0.43	-7.19
13	21	-1.64	-0.51	1.59e-04	-7.65	0.0	-54.38	3.89	-1.07e-03	0.09	-0.51	-4.99
		-4.99	-0.52	1.37e-04	0.0	340.0	-54.38	-3.76	-1.07e-03	0.09	-0.52	-4.79
13	22	-1.28	-0.36	1.27e-04	-7.65	0.0	-53.62	2.56	0.09	0.20	-0.65	-2.73
		-7.04	-0.65	-2.23e-04	0.0	340.0	-53.62	-5.09	0.09	0.20	-0.36	-7.04
13	23	-1.64	-0.90	1.08e-04	-7.65	0.0	-57.98	2.93	-0.16	0.26	-0.90	-3.54
		-6.58	-1.46	-1.56e-04	0.0	340.0	-57.98	-4.72	-0.16	0.26	-1.46	-6.58
13	24	-1.44	0.58	1.85e-04	-7.65	0.0	-50.01	3.51	0.25	0.04	-0.26	-4.17
		-5.24	-0.26	6.98e-05	0.0	340.0	-50.01	-4.14	0.25	0.04	0.58	-5.24
13	25	-1.51	-1.03	1.13e-04	-7.65	0.0	-57.45	2.63	0.07	0.29	-1.27	-3.03
		-7.10	-1.27	-2.72e-04	0.0	340.0	-57.45	-5.02	0.07	0.29	-1.03	-7.10
13	26	-1.46	0.16	1.75e-04	-7.65	0.0	-50.54	3.81	0.02	9.69e-03	0.11	-4.69
		-4.73	0.11	1.86e-04	0.0	340.0	-50.54	-3.84	0.02	9.69e-03	0.16	-4.73
14	1	38.24	6.14	-1.09e-03	-64.71	0.0	12.80	72.81	7.09	13.22	-11.66	-63.33
		-63.33	-11.66	-6.63e-05	0.0	251.1	12.80	8.10	7.09	13.22	6.14	38.24
14	2	53.44	9.74	-1.30e-03	-96.72	0.0	34.02	105.11	11.21	21.00	-18.42	-89.03

		-89.03	-18.42	-1.10e-04	0.0	251.1	34.02	8.39	11.21	21.00	9.74	53.44
14	3	20.07	2.51	-7.21e-04	-30.08	0.0	-3.21	36.13	2.92	5.37	-4.81	-32.89
		-32.89	-4.81	-2.44e-05	0.0	251.1	-3.21	6.06	2.92	5.37	2.51	20.07
14	4	35.26	6.11	-9.21e-04	-62.09	0.0	18.01	68.43	7.04	13.16	-11.57	-58.60
		-58.60	-11.57	-6.77e-05	0.0	251.1	18.01	6.34	7.04	13.16	6.11	35.26
14	5	28.17	4.43	-8.23e-04	-47.15	0.0	8.11	53.36	5.12	9.53	-8.42	-46.60
		-46.60	-8.42	-4.75e-05	0.0	251.1	8.11	6.21	5.12	9.53	4.43	28.17
14	6	38.30	6.83	-9.63e-04	-68.49	0.0	22.25	74.89	7.87	14.72	-12.92	-63.74
		-63.74	-12.92	-7.64e-05	0.0	251.1	22.25	6.40	7.87	14.72	6.83	38.30
14	7	28.17	4.43	-8.23e-04	-47.15	0.0	8.11	53.36	5.12	9.53	-8.42	-46.60
		-46.60	-8.42	-4.75e-05	0.0	251.1	8.11	6.21	5.12	9.53	4.43	28.17
14	8	35.26	6.11	-9.21e-04	-62.09	0.0	18.01	68.43	7.04	13.16	-11.57	-58.60
		-58.60	-11.57	-6.77e-05	0.0	251.1	18.01	6.34	7.04	13.16	6.11	35.26
14	9	28.17	4.43	-8.23e-04	-47.15	0.0	8.11	53.36	5.12	9.53	-8.42	-46.60
		-46.60	-8.42	-4.75e-05	0.0	251.1	8.11	6.21	5.12	9.53	4.43	28.17
14	10	34.25	5.87	-9.07e-04	-59.95	0.0	16.59	66.28	6.77	12.64	-11.12	-56.89
		-56.89	-11.12	-6.48e-05	0.0	251.1	16.59	6.32	6.77	12.64	5.87	34.25
14	11	35.60	7.02	-8.94e-04	-59.95	0.0	16.83	67.49	7.83	12.54	-12.63	-58.58
		-58.58	-12.63	4.42e-05	0.0	251.1	16.83	7.54	7.83	12.54	7.02	35.60
14	12	36.61	6.13	-8.82e-04	-59.95	0.0	11.79	68.09	7.67	12.74	-13.14	-59.08
		-59.08	-13.14	-2.59e-04	0.0	251.1	11.79	8.14	7.67	12.74	6.13	36.61
14	13	35.91	7.08	-8.90e-04	-59.95	0.0	16.44	67.72	7.93	12.46	-12.82	-58.85
		-58.85	-12.82	2.00e-05	0.0	251.1	16.44	7.77	7.93	12.46	7.08	35.91
14	14	36.30	6.06	-8.86e-04	-59.95	0.0	12.18	67.86	7.58	12.82	-12.95	-58.80
		-58.80	-12.95	-2.27e-04	0.0	251.1	12.18	7.91	7.58	12.82	6.06	36.30
14	15	44.81	6.55	-8.08e-04	-59.95	0.0	1.88	75.01	4.74	12.54	-5.35	-68.27
		-68.27	-5.35	-2.83e-04	0.0	251.1	1.88	15.06	4.74	12.54	6.55	44.81
14	16	27.40	6.60	-9.76e-04	-59.95	0.0	26.74	60.56	10.76	12.74	-20.42	-49.39
		-49.39	-20.42	6.81e-05	0.0	251.1	26.74	0.61	10.76	12.74	6.60	27.40
14	17	45.79	6.09	-7.91e-04	-59.95	0.0	-0.95	75.96	3.69	12.66	-3.17	-69.66
		-69.66	-3.17	-3.88e-04	0.0	251.1	-0.95	16.01	3.69	12.66	6.09	45.79
14	18	26.42	7.06	-9.97e-04	-59.95	0.0	29.56	59.62	11.81	12.62	-22.60	-47.99
		-47.99	-22.60	1.74e-04	0.0	251.1	29.56	-0.34	11.81	12.62	7.06	26.42
14	19	32.14	5.64	-9.29e-04	-59.95	0.0	20.90	64.65	5.95	12.56	-9.31	-54.92
		-54.92	-9.31	1.09e-04	0.0	251.1	20.90	4.70	5.95	12.56	5.64	32.14
14	20	36.36	6.10	-8.85e-04	-59.95	0.0	12.29	67.90	7.58	12.73	-12.93	-58.85
		-58.85	-12.93	-2.39e-04	0.0	251.1	12.29	7.95	7.58	12.73	6.10	36.36
14	21	32.41	5.69	-9.26e-04	-59.95	0.0	20.55	64.86	6.04	12.48	-9.47	-55.17
		-55.17	-9.47	8.03e-05	0.0	251.1	20.55	4.91	6.04	12.48	5.69	32.41
14	22	36.09	6.04	-8.88e-04	-59.95	0.0	12.64	67.69	7.49	12.80	-12.76	-58.60
		-58.60	-12.76	-2.10e-04	0.0	251.1	12.64	7.74	7.49	12.80	6.04	36.09
14	23	40.39	5.22	-8.47e-04	-59.95	0.0	7.50	71.40	3.18	12.56	-2.78	-63.61
		-63.61	-2.78	-1.84e-04	0.0	251.1	7.50	11.44	3.18	12.56	5.22	40.39
14	24	28.11	6.52	-9.68e-04	-59.95	0.0	25.68	61.16	10.35	12.73	-19.46	-50.17
		-50.17	-19.46	5.67e-05	0.0	251.1	25.68	1.20	10.35	12.73	6.52	28.11
14	25	41.27	4.80	-8.31e-04	-59.95	0.0	4.97	72.25	2.24	12.66	-0.83	-64.86
		-64.86	-0.83	-2.79e-04	0.0	251.1	4.97	12.29	2.24	12.66	4.80	41.27
14	26	27.23	6.94	-9.87e-04	-59.95	0.0	28.22	60.31	11.29	12.62	-21.41	-48.92
		-48.92	-21.41	1.49e-04	0.0	251.1	28.22	0.35	11.29	12.62	6.94	27.23
15	1	37.37	10.87	-1.15e-03	-64.71	0.0	39.98	72.18	-6.81	-15.23	10.87	-62.63
		-62.63	-6.22	-4.87e-05	0.0	251.1	39.98	7.48	-6.81	-15.23	-6.22	37.37
15	2	52.14	17.31	-1.39e-03	-96.72	0.0	75.18	104.07	-10.85	-23.95	17.31	-87.74
		-87.74	-9.92	-7.98e-05	0.0	251.1	75.18	7.35	-10.85	-23.95	-9.92	52.14
15	3	19.66	4.40	-7.45e-04	-30.08	0.0	9.09	35.90	-2.75	-6.34	4.40	-32.72
		-32.72	-2.51	-1.83e-05	0.0	251.1	9.09	5.82	-2.75	-6.34	-2.51	19.66
15	4	34.43	10.84	-9.75e-04	-62.09	0.0	44.29	67.79	-6.79	-15.07	10.84	-57.83
		-57.83	-6.21	-4.94e-05	0.0	251.1	44.29	5.70	-6.79	-15.07	-6.21	34.43
15	5	27.53	7.83	-8.64e-04	-47.15	0.0	27.87	52.91	-4.90	-11.00	7.83	-46.11
		-46.11	-4.48	-3.49e-05	0.0	251.1	27.87	5.76	-4.90	-11.00	-4.48	27.53
15	6	37.38	12.12	-1.02e-03	-68.49	0.0	51.33	74.17	-7.60	-16.81	12.12	-62.85
		-62.85	-6.95	-5.57e-05	0.0	251.1	51.33	5.68	-7.60	-16.81	-6.95	37.38
15	7	27.53	7.83	-8.64e-04	-47.15	0.0	27.87	52.91	-4.90	-11.00	7.83	-46.11
		-46.11	-4.48	-3.49e-05	0.0	251.1	27.87	5.76	-4.90	-11.00	-4.48	27.53
15	8	34.43	10.84	-9.75e-04	-62.09	0.0	44.29	67.79	-6.79	-15.07	10.84	-57.83
		-57.83	-6.21	-4.94e-05	0.0	251.1	44.29	5.70	-6.79	-15.07	-6.21	34.43
15	9	27.53	7.83	-8.64e-04	-47.15	0.0	27.87	52.91	-4.90	-11.00	7.83	-46.11
		-46.11	-4.48	-3.49e-05	0.0	251.1	27.87	5.76	-4.90	-11.00	-4.48	27.53
15	10	33.44	10.41	-9.58e-04	-59.95	0.0	41.95	65.66	-6.52	-14.49	10.41	-56.16
		-56.16	-5.96	-4.74e-05	0.0	251.1	41.95	5.71	-6.52	-14.49	-5.96	33.44
15	11	34.75	14.25	-9.21e-04	-59.95	0.0	42.93	66.77	-9.88	-14.44	14.25	-57.62
		-57.62	-10.56	8.74e-05	0.0	251.1	42.93	6.82	-9.88	-14.44	-10.56	34.75
15	12	34.31	9.73	-9.61e-04	-59.95	0.0	46.02	66.55	-6.32	-14.14	9.73	-57.51
		-57.51	-6.15	-2.35e-04	0.0	251.1	46.02	6.60	-6.32	-14.14	-6.15	34.31
15	13	34.96	14.26	-9.22e-04	-59.95	0.0	43.23	66.97	-9.90	-14.56	14.26	-57.92

		-57.92	-10.61	5.57e-05	0.0	251.1	43.23	7.02	-9.90	-14.56	-10.61	34.96
15	14	34.10	9.72	-9.60e-04	-59.95	0.0	45.73	66.35	-6.30	-14.03	9.72	-57.22
		-57.22	-6.11	-2.03e-04	0.0	251.1	45.73	6.40	-6.30	-14.03	-6.11	34.10
15	15	41.91	-6.03	-8.21e-04	-59.95	0.0	26.00	74.70	6.23	-14.70	-21.68	-70.37
		-70.37	-21.68	-1.85e-04	0.0	251.1	26.00	14.75	6.23	-14.70	-6.03	41.91
15	16	27.15	45.66	-1.06e-03	-59.95	0.0	62.96	58.62	-22.44	-13.88	45.66	-44.76
		-44.76	-10.68	-6.92e-05	0.0	251.1	62.96	-1.33	-22.44	-13.88	-10.68	27.15
15	17	42.46	-7.78	-8.46e-04	-59.95	0.0	36.64	74.72	2.08	-14.58	-13.00	-69.86
		-69.86	-13.00	-2.84e-04	0.0	251.1	36.64	14.76	2.08	-14.58	-7.78	42.46
15	18	26.60	36.98	-1.04e-03	-59.95	0.0	52.31	58.61	-18.29	-14.00	36.98	-45.28
		-45.28	-8.93	1.37e-04	0.0	251.1	52.31	-1.35	-18.29	-14.00	-8.93	26.60
15	19	32.66	11.02	-9.56e-04	-59.95	0.0	38.29	64.87	-6.70	-14.80	11.02	-54.94
		-54.94	-5.80	1.20e-04	0.0	251.1	38.29	4.92	-6.70	-14.80	-5.80	32.66
15	20	34.22	9.80	-9.61e-04	-59.95	0.0	45.60	66.46	-6.34	-14.18	9.80	-57.37
		-57.37	-6.13	-2.15e-04	0.0	251.1	45.60	6.51	-6.34	-14.18	-6.13	34.22
15	21	32.85	11.02	-9.57e-04	-59.95	0.0	38.56	65.05	-6.71	-14.90	11.02	-55.20
		-55.20	-5.83	9.21e-05	0.0	251.1	38.56	5.10	-6.71	-14.90	-5.83	32.85
15	22	34.03	9.79	-9.60e-04	-59.95	0.0	45.33	66.28	-6.33	-14.07	9.79	-57.11
		-57.11	-6.09	-1.87e-04	0.0	251.1	45.33	6.33	-6.33	-14.07	-6.09	34.03
15	23	39.08	-1.73	-8.66e-04	-59.95	0.0	23.12	71.98	7.75	-15.03	-21.19	-66.37
		-66.37	-21.19	-1.23e-04	0.0	251.1	23.12	12.03	7.75	-15.03	-1.73	39.08
15	24	27.80	42.00	-1.05e-03	-59.95	0.0	60.78	59.35	-20.79	-13.94	42.00	-45.94
		-45.94	-10.19	-6.52e-05	0.0	251.1	60.78	-0.60	-20.79	-13.94	-10.19	27.80
15	25	39.57	-3.30	-8.89e-04	-59.95	0.0	32.66	71.99	4.03	-14.92	-13.41	-65.91
		-65.91	-13.41	-2.12e-04	0.0	251.1	32.66	12.04	4.03	-14.92	-3.30	39.57
15	26	27.31	34.22	-1.03e-03	-59.95	0.0	51.24	59.34	-17.07	-14.05	34.22	-46.40
		-46.40	-8.62	1.17e-04	0.0	251.1	51.24	-0.62	-17.07	-14.05	-8.62	27.31
16	1	33.02	11.13	1.17e-03	-65.68	0.0	31.78	-3.51	6.55	14.50	-5.56	33.02
		-59.63	-5.56	-4.24e-05	0.0	254.8	31.78	-69.20	6.55	14.50	11.13	-59.63
16	2	46.69	17.78	1.70e-03	-98.18	0.0	67.88	-2.18	10.43	22.85	-8.80	46.69
		-83.97	-8.80	-7.37e-05	0.0	254.8	67.88	-100.36	10.43	22.85	17.78	-83.97
16	3	16.99	4.47	5.68e-04	-30.53	0.0	2.23	-3.52	2.65	6.01	-2.28	16.99
		-30.88	-2.28	-1.35e-05	0.0	254.8	2.23	-34.05	2.65	6.01	4.47	-30.88
16	4	30.66	11.12	1.10e-03	-63.02	0.0	38.33	-2.19	6.53	14.37	-5.52	30.66
		-55.23	-5.52	-4.46e-05	0.0	254.8	38.33	-65.21	6.53	14.37	11.12	-55.23
16	5	24.28	8.02	8.54e-04	-47.86	0.0	21.48	-2.81	4.72	10.47	-4.01	24.28
		-43.87	-4.01	-3.01e-05	0.0	254.8	21.48	-50.67	4.72	10.47	8.02	-43.87
16	6	33.39	12.45	1.21e-03	-69.52	0.0	45.55	-1.92	7.31	16.04	-6.17	33.39
		-60.10	-6.17	-5.09e-05	0.0	254.8	45.55	-71.45	7.31	16.04	12.45	-60.10
16	7	24.28	8.02	8.54e-04	-47.86	0.0	21.48	-2.81	4.72	10.47	-4.01	24.28
		-43.87	-4.01	-3.01e-05	0.0	254.8	21.48	-50.67	4.72	10.47	8.02	-43.87
16	8	30.66	11.12	1.10e-03	-63.02	0.0	38.33	-2.19	6.53	14.37	-5.52	30.66
		-55.23	-5.52	-4.46e-05	0.0	254.8	38.33	-65.21	6.53	14.37	11.12	-55.23
16	9	24.28	8.02	8.54e-04	-47.86	0.0	21.48	-2.81	4.72	10.47	-4.01	24.28
		-43.87	-4.01	-3.01e-05	0.0	254.8	21.48	-50.67	4.72	10.47	8.02	-43.87
16	10	29.74	10.67	1.07e-03	-60.86	0.0	35.92	-2.28	6.27	13.81	-5.31	29.74
		-53.61	-5.31	-4.26e-05	0.0	254.8	35.92	-63.14	6.27	13.81	10.67	-53.61
16	11	27.39	11.53	1.05e-03	-60.86	0.0	52.08	-0.08	7.23	14.85	-6.89	27.39
		-50.36	-6.89	8.22e-05	0.0	254.8	52.08	-60.94	7.23	14.85	11.53	-50.36
16	12	29.51	10.20	1.09e-03	-60.86	0.0	40.84	-1.96	5.91	12.74	-4.88	29.51
		-53.04	-4.88	-2.25e-04	0.0	254.8	40.84	-62.82	5.91	12.74	10.20	-53.04
16	13	27.43	11.58	1.05e-03	-60.86	0.0	52.04	-0.05	7.15	14.94	-6.64	27.43
		-50.25	-6.64	4.95e-05	0.0	254.8	52.04	-60.91	7.15	14.94	11.58	-50.25
16	14	29.48	10.14	1.09e-03	-60.86	0.0	40.88	-1.99	5.99	12.66	-5.13	29.48
		-53.15	-5.13	-1.92e-04	0.0	254.8	40.88	-62.85	5.99	12.66	10.14	-53.15
16	15	22.57	46.55	1.17e-03	-60.86	0.0	112.29	6.76	21.66	12.98	-8.64	21.62
		-38.71	-8.64	-2.45e-04	0.0	254.8	112.29	-54.10	21.66	12.98	46.55	-38.71
16	16	35.28	-3.13	9.71e-04	-60.86	0.0	-19.37	-8.80	-8.51	14.61	-3.13	35.28
		-64.69	-24.83	1.11e-04	0.0	254.8	-19.37	-69.66	-8.51	14.61	-24.83	-64.69
16	17	22.35	38.63	1.15e-03	-60.86	0.0	110.74	6.48	18.44	13.09	-8.37	21.49
		-39.54	-8.37	-3.21e-04	0.0	254.8	110.74	-54.38	18.44	13.09	38.63	-39.54
16	18	35.41	-3.40	9.87e-04	-60.86	0.0	-17.83	-8.52	-5.30	14.51	-3.40	35.41
		-63.86	-16.90	1.76e-04	0.0	254.8	-17.83	-69.38	-5.30	14.51	-16.90	-63.86
16	19	29.95	11.10	1.05e-03	-60.86	0.0	31.52	-2.56	6.59	14.76	-5.69	29.95
		-54.12	-5.69	1.31e-04	0.0	254.8	31.52	-63.42	6.59	14.76	11.10	-54.12
16	20	29.54	10.25	1.09e-03	-60.86	0.0	40.33	-2.00	5.95	12.85	-4.92	29.54
		-53.10	-4.92	-2.05e-04	0.0	254.8	40.33	-62.85	5.95	12.85	10.25	-53.10
16	21	29.98	11.15	1.05e-03	-60.86	0.0	31.48	-2.53	6.52	14.84	-5.46	29.98
		-54.02	-5.46	1.01e-04	0.0	254.8	31.48	-63.39	6.52	14.84	11.15	-54.02
16	22	29.51	10.20	1.09e-03	-60.86	0.0	40.36	-2.02	6.02	12.78	-5.15	29.51
		-53.20	-5.15	-1.76e-04	0.0	254.8	40.36	-62.88	6.02	12.78	10.20	-53.20
16	23	25.05	42.50	1.16e-03	-60.86	0.0	85.49	3.57	19.52	13.09	-7.25	24.78
		-43.67	-7.25	-1.78e-04	0.0	254.8	85.49	-57.29	19.52	13.09	42.50	-43.67
16	24	34.71	-3.36	9.79e-04	-60.86	0.0	-13.64	-8.12	-6.98	14.53	-3.36	34.71

		-63.54	-21.15	9.56e-05	0.0	254.8	-13.64	-68.98	-6.98	14.53	-21.15	-63.54
16	25	24.89	35.39	1.14e-03	-60.86	0.0	84.10	3.32	16.64	13.18	-7.02	24.66
		-44.42	-7.02	-2.38e-04	0.0	254.8	84.10	-57.54	16.64	13.18	35.39	-44.42
16	26	34.82	-3.59	9.93e-04	-60.86	0.0	-12.26	-7.88	-4.10	14.43	-3.59	34.82
		-62.79	-14.05	1.54e-04	0.0	254.8	-12.26	-68.73	-4.10	14.43	-14.05	-62.79
18	1	1.59	0.17	-2.81e-05	-15.86	0.0	0.28	5.09	0.57	0.13	0.17	-0.81
		-0.82	-0.05	4.13e-05	0.0	121.2	0.28	-10.77	0.57	0.13	-0.05	-0.82
18	2	2.05	0.22	-1.80e-05	-23.74	0.0	1.42	8.69	1.14	0.26	0.22	-1.55
		-1.55	0.02	5.37e-05	0.0	121.2	1.42	-15.04	1.14	0.26	0.02	-1.55
18	3	0.94	0.10	-3.31e-05	-7.35	0.0	-0.48	1.70	0.09	0.02	0.10	-0.17
		-0.18	-0.08	2.42e-05	0.0	121.2	-0.48	-5.65	0.09	0.02	-0.08	-0.18
18	4	1.40	0.15	-1.73e-05	-15.23	0.0	0.65	5.30	0.66	0.15	0.15	-0.91
		-0.91	-0.01	3.66e-05	0.0	121.2	0.65	-9.93	0.66	0.15	-0.01	-0.91
18	5	1.18	0.13	-2.28e-05	-11.55	0.0	0.12	3.62	0.39	0.09	0.13	-0.56
		-0.57	-0.04	3.08e-05	0.0	121.2	0.12	-7.93	0.39	0.09	-0.04	-0.57
18	6	1.49	0.16	-1.54e-05	-16.81	0.0	0.88	6.02	0.77	0.18	0.16	-1.06
		-1.06	3.10e-03	3.91e-05	0.0	121.2	0.88	-10.78	0.77	0.18	3.10e-03	-1.06
18	7	1.18	0.13	-2.28e-05	-11.55	0.0	0.12	3.62	0.39	0.09	0.13	-0.56
		-0.57	-0.04	3.08e-05	0.0	121.2	0.12	-7.93	0.39	0.09	-0.04	-0.57
18	8	1.40	0.15	-1.73e-05	-15.23	0.0	0.65	5.30	0.66	0.15	0.15	-0.91
		-0.91	-0.01	3.66e-05	0.0	121.2	0.65	-9.93	0.66	0.15	-0.01	-0.91
18	9	1.18	0.13	-2.28e-05	-11.55	0.0	0.12	3.62	0.39	0.09	0.13	-0.56
		-0.57	-0.04	3.08e-05	0.0	121.2	0.12	-7.93	0.39	0.09	-0.04	-0.57
18	10	1.37	0.15	-1.80e-05	-14.70	0.0	0.58	5.06	0.62	0.14	0.15	-0.86
		-0.87	-0.02	3.57e-05	0.0	121.2	0.58	-9.64	0.62	0.14	-0.02	-0.87
18	11	1.13	-2.71	1.62e-05	-14.70	0.0	16.66	5.15	2.23	0.30	-3.03	-0.98
		-1.21	-3.03	-3.62e-05	0.0	121.2	16.66	-9.55	2.23	0.30	-2.71	-1.21
18	12	1.64	-0.06	-1.76e-05	-14.70	0.0	-11.53	4.53	-0.21	-0.13	-0.06	-0.61
		-0.61	-0.83	-1.78e-05	0.0	121.2	-11.53	-10.18	-0.21	-0.13	-0.83	-0.56
18	13	1.15	-2.60	2.31e-05	-14.70	0.0	16.52	5.08	2.06	0.26	-2.85	-0.96
		-1.19	-2.85	-4.37e-05	0.0	121.2	16.52	-9.63	2.06	0.26	-2.60	-1.19
18	14	1.62	-0.24	-2.16e-05	-14.70	0.0	-11.39	4.60	-0.04	-0.10	-0.24	-0.64
		-0.64	-0.94	-1.04e-05	0.0	121.2	-11.39	-10.10	-0.04	-0.10	-0.94	-0.58
18	15	1.50	-3.74	8.69e-05	-14.70	0.0	11.80	3.87	2.44	0.13	-3.74	-0.53
		-0.91	-4.24	-1.15e-04	0.0	121.2	11.80	-10.83	2.44	0.13	-4.24	-0.91
18	16	1.27	0.70	-7.97e-05	-14.70	0.0	-6.67	5.81	-0.41	0.03	0.65	-1.06
		-1.06	0.65	6.10e-05	0.0	121.2	-6.67	-8.89	-0.41	0.03	0.70	-0.85
18	17	1.58	-4.25	1.06e-04	-14.70	0.0	11.89	3.58	2.42	0.03	-4.25	-0.44
		-0.86	-4.96	-1.76e-04	0.0	121.2	11.89	-11.12	2.42	0.03	-4.96	-0.86
18	18	1.20	1.42	-9.93e-05	-14.70	0.0	-6.76	6.10	-0.40	0.14	1.16	-1.15
		-1.15	1.16	1.22e-04	0.0	121.2	-6.76	-8.60	-0.40	0.14	1.42	-0.91
18	19	1.12	0.71	-1.87e-05	-14.70	0.0	11.43	5.54	1.36	0.39	0.33	-1.08
		-1.14	0.33	8.38e-05	0.0	121.2	11.43	-9.17	1.36	0.39	0.71	-1.14
18	20	1.61	-0.04	-1.76e-05	-14.70	0.0	-10.28	4.58	-0.12	-0.11	-0.04	-0.64
		-0.64	-0.74	-1.23e-05	0.0	121.2	-10.28	-10.12	-0.12	-0.11	-0.74	-0.59
18	21	1.14	0.81	-1.47e-05	-14.70	0.0	11.30	5.47	1.21	0.35	0.49	-1.06
		-1.13	0.49	7.71e-05	0.0	121.2	11.30	-9.23	1.21	0.35	0.81	-1.13
18	22	1.60	-0.20	-2.12e-05	-14.70	0.0	-10.15	4.65	0.03	-0.07	-0.20	-0.66
		-0.66	-0.84	-5.58e-06	0.0	121.2	-10.15	-10.05	0.03	-0.07	-0.84	-0.61
18	23	1.45	-0.31	4.61e-05	-14.70	0.0	7.07	4.39	1.54	0.24	-0.31	-0.68
		-0.88	-0.66	1.34e-05	0.0	121.2	7.07	-10.32	1.54	0.24	-0.66	-0.88
18	24	1.28	0.63	-7.29e-05	-14.70	0.0	-5.92	5.73	-0.31	0.04	0.60	-1.04
		-1.04	0.60	5.84e-05	0.0	121.2	-5.92	-8.97	-0.31	0.04	0.63	-0.85
18	25	1.52	-0.76	6.36e-05	-14.70	0.0	7.16	4.13	1.53	0.14	-0.76	-0.60
		-0.83	-1.30	-4.17e-05	0.0	121.2	7.16	-10.57	1.53	0.14	-1.30	-0.83
18	26	1.22	1.27	-9.04e-05	-14.70	0.0	-6.00	5.99	-0.29	0.14	1.05	-1.12
		-1.12	1.05	1.13e-04	0.0	121.2	-6.00	-8.71	-0.29	0.14	1.27	-0.90
19	1	57.17	-0.10	-6.17e-04	-173.33	0.0	66.54	83.60	-0.03	1.50	-0.10	-29.80
		-43.05	-0.22	-7.39e-06	0.0	432.0	66.54	-89.73	-0.03	1.50	-0.22	-43.05
19	2	87.24	0.01	-9.96e-04	-264.03	0.0	104.12	128.20	0.14	1.88	-0.59	-47.09
		-63.59	-0.59	-1.39e-04	0.0	432.0	104.12	-135.84	0.14	1.88	0.01	-63.59
19	3	25.48	0.22	-2.44e-04	-77.51	0.0	28.06	36.86	-0.12	0.93	0.22	-12.29
		-20.47	-0.31	7.55e-05	0.0	432.0	28.06	-40.65	-0.12	0.93	-0.31	-20.47
19	4	55.54	-0.08	-6.20e-04	-168.22	0.0	65.64	81.46	0.04	1.30	-0.27	-29.57
		-41.02	-0.27	-5.64e-05	0.0	432.0	65.64	-86.76	0.04	1.30	-0.08	-41.02
19	5	41.51	-0.04	-4.44e-04	-125.89	0.0	48.10	60.65	-0.03	1.13	-0.04	-21.51
		-31.43	-0.19	8.10e-06	0.0	432.0	48.10	-65.24	-0.03	1.13	-0.19	-31.43
19	6	61.55	-0.03	-6.96e-04	-186.36	0.0	73.15	90.38	0.08	1.38	-0.36	-33.03
		-45.13	-0.36	-8.28e-05	0.0	432.0	73.15	-95.98	0.08	1.38	-0.03	-45.13
19	7	41.51	-0.04	-4.44e-04	-125.89	0.0	48.10	60.65	-0.03	1.13	-0.04	-21.51
		-31.43	-0.19	8.10e-06	0.0	432.0	48.10	-65.24	-0.03	1.13	-0.19	-31.43
19	8	55.54	-0.08	-6.20e-04	-168.22	0.0	65.64	81.46	0.04	1.30	-0.27	-29.57
		-41.02	-0.27	-5.64e-05	0.0	432.0	65.64	-86.76	0.04	1.30	-0.08	-41.02
19	9	41.51	-0.04	-4.44e-04	-125.89	0.0	48.10	60.65	-0.03	1.13	-0.04	-21.51

19	10	-31.43	-0.19	8.10e-06	0.0	432.0	48.10	-65.24	-0.03	1.13	-0.19	-31.43
		53.54	-0.09	-5.94e-04	-162.17	0.0	63.13	78.49	0.03	1.28	-0.23	-28.42
		-39.65	-0.23	-4.76e-05	0.0	432.0	63.13	-83.68	0.03	1.28	-0.09	-39.65
19	11	53.67	1.88	-5.91e-04	-162.17	0.0	50.42	81.52	-0.65	1.14	1.88	-34.86
		-34.86	-0.93	1.56e-04	0.0	432.0	50.42	-80.64	-0.65	1.14	-0.93	-32.95
19	12	54.06	2.89	-5.54e-04	-162.17	0.0	74.65	74.14	1.65	2.62	-4.23	-19.02
		-49.02	-4.23	-9.87e-04	0.0	432.0	74.65	-88.03	1.65	2.62	2.89	-49.02
19	13	52.39	1.14	-5.68e-04	-162.17	0.0	58.09	81.45	-0.37	1.41	1.14	-35.96
		-35.96	-0.46	-1.77e-05	0.0	432.0	58.09	-80.72	-0.37	1.41	-0.46	-34.39
19	14	55.31	2.41	-5.77e-04	-162.17	0.0	66.99	74.22	1.37	2.35	-3.50	-17.91
		-47.58	-3.50	-8.29e-04	0.0	432.0	66.99	-87.95	1.37	2.35	2.41	-47.58
19	15	54.64	11.08	-4.44e-04	-162.17	0.0	59.13	73.95	-3.24	20.31	11.08	-18.07
		-48.91	-2.93	2.43e-03	0.0	432.0	59.13	-88.22	-3.24	20.31	-2.93	-48.91
19	16	53.14	4.88	-7.24e-04	-162.17	0.0	65.94	81.72	4.24	-16.55	-13.44	-35.81
		-35.81	-13.44	-3.26e-03	0.0	432.0	65.94	-80.45	4.24	-16.55	4.88	-33.07
19	17	56.62	19.60	-4.18e-04	-162.17	0.0	54.54	71.53	-6.30	29.08	19.60	-11.52
		-52.80	-7.62	4.16e-03	0.0	432.0	54.54	-90.64	-6.30	29.08	-7.62	-52.80
19	18	51.81	9.57	-7.67e-04	-162.17	0.0	70.53	84.14	7.30	-25.31	-21.96	-42.36
		-42.36	-21.96	-5.00e-03	0.0	432.0	70.53	-78.03	7.30	-25.31	9.57	-29.18
19	19	53.52	3.35	-6.35e-04	-162.17	0.0	52.81	82.38	-1.42	0.07	3.35	-36.85
		-36.85	-2.77	7.95e-04	0.0	432.0	52.81	-79.79	-1.42	0.07	-2.77	-31.25
19	20	53.94	2.58	-5.59e-04	-162.17	0.0	73.46	74.59	1.48	2.48	-3.82	-19.99
		-48.05	-3.82	-8.90e-04	0.0	432.0	73.46	-87.58	1.48	2.48	2.58	-48.05
19	21	52.38	2.69	-6.14e-04	-162.17	0.0	59.68	82.31	-1.17	0.31	2.69	-37.84
		-37.84	-2.34	6.52e-04	0.0	432.0	59.68	-79.86	-1.17	0.31	-2.34	-32.54
19	22	55.06	2.15	-5.79e-04	-162.17	0.0	66.59	74.66	1.23	2.24	-3.16	-19.00
		-46.76	-3.16	-7.48e-04	0.0	432.0	66.59	-87.51	1.23	2.24	2.15	-46.76
19	23	54.01	11.60	-4.93e-04	-162.17	0.0	60.61	75.59	-3.74	17.25	11.60	-21.80
		-45.54	-4.55	2.83e-03	0.0	432.0	60.61	-86.58	-3.74	17.25	-4.55	-45.54
19	24	53.18	4.37	-7.09e-04	-162.17	0.0	65.65	81.38	3.80	-14.70	-12.07	-35.04
		-35.04	-12.07	-2.92e-03	0.0	432.0	65.65	-80.79	3.80	-14.70	4.37	-33.75
19	25	55.79	19.24	-4.69e-04	-162.17	0.0	56.50	73.42	-6.48	25.11	19.24	-15.93
		-49.03	-8.76	4.39e-03	0.0	432.0	56.50	-88.75	-6.48	25.11	-8.76	-49.03
19	26	51.98	8.57	-7.48e-04	-162.17	0.0	69.77	83.55	6.54	-22.56	-19.71	-40.91
		-40.91	-19.71	-4.48e-03	0.0	432.0	69.77	-78.62	6.54	-22.56	8.57	-30.26
20	1	-13.32	0.10	-2.90e-04	-133.26	0.0	65.67	48.93	0.10	0.75	-0.22	-43.14
		-101.91	-0.22	-5.57e-05	0.0	332.1	65.67	-84.32	0.10	0.75	0.10	-101.91
20	2	-19.14	0.39	-4.66e-04	-202.99	0.0	102.57	74.17	0.15	0.81	-0.09	-64.11
		-154.88	-0.09	-1.45e-04	0.0	332.1	102.57	-128.82	0.15	0.81	0.39	-154.88
20	3	-6.66	-0.10	-1.15e-04	-59.59	0.0	27.81	22.11	0.05	0.54	-0.25	-20.28
		-45.80	-0.25	1.24e-05	0.0	332.1	27.81	-37.48	0.05	0.54	-0.10	-45.80
20	4	-12.48	0.19	-2.91e-04	-129.33	0.0	64.71	47.35	0.09	0.60	-0.12	-41.25
		-98.76	-0.12	-7.73e-05	0.0	332.1	64.71	-81.98	0.09	0.60	0.19	-98.76
20	5	-9.76	0.06	-2.09e-04	-96.78	0.0	47.49	35.57	0.07	0.57	-0.18	-31.46
		-74.05	-0.18	-3.55e-05	0.0	332.1	47.49	-61.21	0.07	0.57	0.06	-74.05
20	6	-13.65	0.25	-3.26e-04	-143.27	0.0	72.09	52.39	0.10	0.61	-0.09	-45.44
		-109.36	-0.09	-9.52e-05	0.0	332.1	72.09	-90.88	0.10	0.61	0.25	-109.36
20	7	-9.76	0.06	-2.09e-04	-96.78	0.0	47.49	35.57	0.07	0.57	-0.18	-31.46
		-74.05	-0.18	-3.55e-05	0.0	332.1	47.49	-61.21	0.07	0.57	0.06	-74.05
20	8	-12.48	0.19	-2.91e-04	-129.33	0.0	64.71	47.35	0.09	0.60	-0.12	-41.25
		-98.76	-0.12	-7.73e-05	0.0	332.1	64.71	-81.98	0.09	0.60	0.19	-98.76
20	9	-9.76	0.06	-2.09e-04	-96.78	0.0	47.49	35.57	0.07	0.57	-0.18	-31.46
		-74.05	-0.18	-3.55e-05	0.0	332.1	47.49	-61.21	0.07	0.57	0.06	-74.05
20	10	-12.09	0.17	-2.79e-04	-124.68	0.0	62.25	45.66	0.09	0.60	-0.13	-39.85
		-95.23	-0.13	-7.13e-05	0.0	332.1	62.25	-79.01	0.09	0.60	0.17	-95.23
20	11	-13.81	8.74e-03	-2.59e-04	-124.68	0.0	56.04	50.02	0.16	1.35	-0.52	-46.99
		-87.91	-0.52	8.73e-05	0.0	332.1	56.04	-74.66	0.16	1.35	8.74e-03	-87.91
20	12	-11.01	2.03	-2.81e-04	-124.68	0.0	68.47	41.28	-0.04	-0.15	2.03	-33.64
		-103.58	1.89	-5.34e-04	0.0	332.1	68.47	-83.40	-0.04	-0.15	1.89	-103.58
20	13	-13.52	0.33	-2.62e-04	-124.68	0.0	59.51	49.08	0.15	1.26	-0.17	-45.53
		-89.57	-0.17	3.44e-06	0.0	332.1	59.51	-75.60	0.15	1.26	0.33	-89.57
20	14	-11.50	1.67	-2.78e-04	-124.68	0.0	65.00	42.22	-0.03	-0.06	1.67	-35.09
		-101.92	1.58	-4.50e-04	0.0	332.1	65.00	-82.46	-0.03	-0.06	1.58	-101.92
20	15	-15.65	-0.28	-2.12e-04	-124.68	0.0	62.06	45.78	-2.16	10.24	-0.28	-43.56
		-98.54	-7.45	1.63e-03	0.0	332.1	62.06	-78.89	-2.16	10.24	-7.45	-98.54
20	16	-9.50	9.35	-3.28e-04	-124.68	0.0	62.46	45.51	2.28	-9.04	1.79	-37.06
		-92.95	1.79	-2.08e-03	0.0	332.1	62.46	-79.17	2.28	-9.04	9.35	-92.95
20	17	-16.68	-3.50	-1.93e-04	-124.68	0.0	59.80	45.36	-2.92	13.85	-3.50	-44.05
		-100.45	-13.21	2.41e-03	0.0	332.1	59.80	-79.32	-2.92	13.85	-13.21	-100.45
20	18	-8.47	15.12	-3.47e-04	-124.68	0.0	64.71	45.94	3.04	-12.65	5.01	-36.57
		-91.04	5.01	-2.85e-03	0.0	332.1	64.71	-78.74	3.04	-12.65	15.12	-91.04
20	19	-12.77	-1.37	-2.77e-04	-124.68	0.0	56.67	49.59	0.21	1.27	-2.06	-45.42
		-87.75	-2.06	3.43e-04	0.0	332.1	56.67	-75.08	0.21	1.27	-1.37	-87.75
20	20	-11.19	1.80	-2.81e-04	-124.68	0.0	67.83	41.73	-0.03	-0.08	1.80	-34.28

		-102.72	1.72	-4.86e-04	0.0	332.1	67.83	-82.94	-0.03	-0.08	1.72	-102.72
20	21	-12.51	-1.09	-2.80e-04	-124.68	0.0	59.78	48.75	0.20	1.18	-1.74	-44.12
		-89.24	-1.74	2.68e-04	0.0	332.1	59.78	-75.93	0.20	1.18	-1.09	-89.24
20	22	-11.62	1.49	-2.78e-04	-124.68	0.0	64.72	42.57	-0.02	8.05e-03	1.49	-35.59
		-101.23	1.43	-4.11e-04	0.0	332.1	64.72	-82.10	-0.02	8.05e-03	1.43	-101.23
20	23	-14.42	-1.84	-2.35e-04	-124.68	0.0	62.06	45.80	-1.87	9.24	-1.84	-42.35
		-97.28	-8.06	1.73e-03	0.0	332.1	62.06	-78.88	-1.87	9.24	-8.06	-97.28
20	24	-9.77	8.40	-3.23e-04	-124.68	0.0	62.43	45.53	2.05	-8.05	1.59	-37.35
		-93.19	1.59	-1.87e-03	0.0	332.1	62.43	-79.15	2.05	-8.05	8.40	-93.19
20	25	-15.34	-4.73	-2.18e-04	-124.68	0.0	60.04	45.42	-2.56	12.47	-4.73	-42.79
		-98.99	-13.22	2.42e-03	0.0	332.1	60.04	-79.26	-2.56	12.47	-13.22	-98.99
20	26	-8.85	13.57	-3.40e-04	-124.68	0.0	64.46	45.91	2.74	-11.28	4.48	-36.91
		-91.48	4.48	-2.56e-03	0.0	332.1	64.46	-78.77	2.74	-11.28	13.57	-91.48
22	1	-8.63	0.42	-8.38e-04	-224.08	0.0	0.32	82.07	-0.49	4.87	0.42	-61.35
		-157.83	-1.26	1.26e-04	0.0	339.8	0.32	-142.01	-0.49	4.87	-1.26	-157.83
22	2	-8.32	0.33	-1.43e-03	-351.58	0.0	6.50	128.80	-0.69	8.74	0.33	-91.21
		-242.07	-2.02	1.50e-04	0.0	339.8	6.50	-222.78	-0.69	8.74	-2.02	-242.07
22	3	-6.83	0.38	-2.80e-04	-93.91	0.0	-3.55	34.37	-0.26	1.37	0.38	-28.82
		-69.57	-0.50	8.13e-05	0.0	339.8	-3.55	-59.54	-0.26	1.37	-0.50	-69.57
22	4	-6.52	0.29	-8.73e-04	-221.41	0.0	2.62	81.10	-0.46	5.23	0.29	-58.68
		-153.80	-1.26	1.06e-04	0.0	339.8	2.62	-140.31	-0.46	5.23	-1.26	-153.80
22	5	-6.66	0.33	-5.96e-04	-161.91	0.0	-0.26	59.29	-0.36	3.43	0.33	-44.75
		-114.49	-0.90	9.45e-05	0.0	339.8	-0.26	-102.62	-0.36	3.43	-0.90	-114.49
22	6	-6.45	0.27	-9.91e-04	-246.91	0.0	3.86	90.45	-0.50	6.01	0.27	-64.65
		-170.65	-1.41	1.11e-04	0.0	339.8	3.86	-156.46	-0.50	6.01	-1.41	-170.65
22	7	-6.66	0.33	-5.96e-04	-161.91	0.0	-0.26	59.29	-0.36	3.43	0.33	-44.75
		-114.49	-0.90	9.45e-05	0.0	339.8	-0.26	-102.62	-0.36	3.43	-0.90	-114.49
22	8	-6.52	0.29	-8.73e-04	-221.41	0.0	2.62	81.10	-0.46	5.23	0.29	-58.68
		-153.80	-1.26	1.06e-04	0.0	339.8	2.62	-140.31	-0.46	5.23	-1.26	-153.80
22	9	-6.66	0.33	-5.96e-04	-161.91	0.0	-0.26	59.29	-0.36	3.43	0.33	-44.75
		-114.49	-0.90	9.45e-05	0.0	339.8	-0.26	-102.62	-0.36	3.43	-0.90	-114.49
22	10	-6.54	0.30	-8.33e-04	-212.91	0.0	2.21	77.99	-0.44	4.98	0.30	-56.69
		-148.19	-1.21	1.04e-04	0.0	339.8	2.21	-134.92	-0.44	4.98	-1.21	-148.19
22	11	-12.34	-1.06	-7.41e-04	-212.91	0.0	-22.33	81.79	-0.04	5.46	-1.06	-67.34
		-145.93	-1.20	1.32e-04	0.0	339.8	-22.33	-131.12	-0.04	5.46	-1.20	-145.93
22	12	-3.62	2.89	-9.49e-04	-212.91	0.0	14.95	72.62	-1.09	4.22	2.89	-46.93
		-156.67	-0.82	4.73e-05	0.0	339.8	14.95	-140.29	-1.09	4.22	-0.82	-156.67
22	13	-12.89	-0.54	-7.47e-04	-212.91	0.0	-25.16	81.59	-0.17	5.40	-0.54	-67.63
		-146.89	-1.10	1.26e-04	0.0	339.8	-25.16	-131.32	-0.17	5.40	-1.10	-146.89
22	14	-3.08	2.37	-9.44e-04	-212.91	0.0	17.78	72.82	-0.96	4.28	2.37	-46.64
		-155.71	-0.91	5.35e-05	0.0	339.8	17.78	-140.09	-0.96	4.28	-0.91	-155.71
22	15	-15.37	-1.14	-9.29e-04	-212.91	0.0	-35.64	73.68	1.89	2.38	-7.57	-60.03
		-166.17	-7.57	-4.35e-04	0.0	339.8	-35.64	-139.23	1.89	2.38	-1.14	-166.17
22	16	-0.60	9.40	-7.62e-04	-212.91	0.0	28.26	80.73	-3.02	7.30	9.40	-54.24
		-136.43	-0.87	6.15e-04	0.0	339.8	28.26	-132.18	-3.02	7.30	-0.87	-136.43
22	17	-16.48	-2.15	-9.60e-04	-212.91	0.0	-35.95	72.26	3.93	0.37	-15.49	-59.33
		-170.29	-15.49	-9.63e-04	0.0	339.8	-35.95	-140.65	3.93	0.37	-2.15	-170.29
22	18	0.51	17.32	-7.31e-04	-212.91	0.0	28.58	82.15	-5.06	9.31	17.32	-54.94
		-132.31	0.13	1.14e-03	0.0	339.8	28.58	-130.76	-5.06	9.31	0.13	-132.31
22	19	-9.15	-1.56	-7.29e-04	-212.91	0.0	-9.21	82.80	0.14	5.65	-2.03	-65.43
		-140.58	-2.03	1.57e-04	0.0	339.8	-9.21	-130.11	0.14	5.65	-1.56	-140.58
22	20	-3.93	2.62	-9.37e-04	-212.91	0.0	13.63	73.18	-1.03	4.30	2.62	-47.95
		-155.79	-0.86	5.32e-05	0.0	339.8	13.63	-139.73	-1.03	4.30	-0.86	-155.79
22	21	-9.64	-1.47	-7.34e-04	-212.91	0.0	-11.74	82.62	0.03	5.60	-1.56	-65.69
		-141.44	-1.56	1.50e-04	0.0	339.8	-11.74	-130.29	0.03	5.60	-1.47	-141.44
22	22	-3.44	2.15	-9.32e-04	-212.91	0.0	16.17	73.35	-0.91	4.36	2.15	-47.68
		-154.93	-0.94	5.88e-05	0.0	339.8	16.17	-139.56	-0.91	4.36	-0.94	-154.93
22	23	-11.86	-1.51	-8.97e-04	-212.91	0.0	-21.14	75.53	1.87	2.89	-7.87	-58.88
		-158.73	-7.87	-3.53e-04	0.0	339.8	-21.14	-137.38	1.87	2.89	-1.51	-158.73
22	24	-1.21	8.46	-7.69e-04	-212.91	0.0	25.56	80.45	-2.76	7.06	8.46	-54.50
		-137.65	-0.91	5.62e-04	0.0	339.8	25.56	-132.46	-2.76	7.06	-0.91	-137.65
22	25	-12.85	-2.41	-9.24e-04	-212.91	0.0	-21.42	74.26	3.69	1.09	-14.96	-58.26
		-162.42	-14.96	-8.26e-04	0.0	339.8	-21.42	-138.65	3.69	1.09	-2.41	-162.42
22	26	-0.22	15.55	-7.42e-04	-212.91	0.0	25.84	81.72	-4.58	8.86	15.55	-55.12
		-133.96	-6.74e-03	1.04e-03	0.0	339.8	25.84	-131.19	-4.58	8.86	-6.74e-03	-133.96
23	1	0.37	2.88	-1.05e-04	-46.39	0.0	-11.30	0.10	2.69	3.34	-1.97	0.37
		-41.21	-1.97	-3.32e-05	0.0	180.0	-11.30	-46.30	2.69	3.34	2.88	-41.21
23	2	-1.60	4.41	-1.80e-04	-69.34	0.0	-18.62	2.10	4.38	4.95	-3.47	-1.60
		-60.23	-3.47	-5.57e-05	0.0	180.0	-18.62	-67.24	4.38	4.95	4.41	-60.23
23	3	1.50	1.27	-3.48e-05	-21.56	0.0	-4.19	-1.16	1.03	1.57	-0.59	1.50
		-20.00	-0.59	-1.16e-05	0.0	180.0	-4.19	-22.72	1.03	1.57	1.27	-20.00
23	4	-0.47	2.81	-1.09e-04	-44.51	0.0	-11.51	0.85	2.72	3.19	-2.09	-0.47
		-39.01	-2.09	-3.42e-05	0.0	180.0	-11.51	-43.67	2.72	3.19	2.81	-39.01
23	5	0.45	2.09	-7.46e-05	-33.80	0.0	-8.09	-0.09	1.93	2.43	-1.39	0.45

23	6	-30.14	-1.39	-2.37e-05	0.0	180.0	-8.09	-33.89	1.93	2.43	2.09	-30.14
		-0.87	3.11	-1.24e-04	-49.10	0.0	-12.97	1.25	3.06	3.51	-2.39	-0.87
		-42.82	-2.39	-3.87e-05	0.0	180.0	-12.97	-47.86	3.06	3.51	3.11	-42.82
23	7	0.45	2.09	-7.46e-05	-33.80	0.0	-8.09	-0.09	1.93	2.43	-1.39	0.45
		-30.14	-1.39	-2.37e-05	0.0	180.0	-8.09	-33.89	1.93	2.43	2.09	-30.14
23	8	-0.47	2.81	-1.09e-04	-44.51	0.0	-11.51	0.85	2.72	3.19	-2.09	-0.47
		-39.01	-2.09	-3.42e-05	0.0	180.0	-11.51	-43.67	2.72	3.19	2.81	-39.01
23	9	0.45	2.09	-7.46e-05	-33.80	0.0	-8.09	-0.09	1.93	2.43	-1.39	0.45
		-30.14	-1.39	-2.37e-05	0.0	180.0	-8.09	-33.89	1.93	2.43	2.09	-30.14
23	10	-0.34	2.70	-1.04e-04	-42.98	0.0	-11.02	0.71	2.61	3.08	-1.99	-0.34
		-37.75	-1.99	-3.27e-05	0.0	180.0	-11.02	-42.27	2.61	3.08	2.70	-37.75
23	11	-2.26	3.28	-7.70e-05	-42.98	0.0	-15.86	2.44	3.41	-0.78	-2.86	-2.26
		-36.68	-2.86	3.70e-05	0.0	180.0	-15.86	-40.55	3.41	-0.78	3.28	-36.68
23	12	-3.55	1.81	7.06e-05	-42.98	0.0	-18.73	4.02	2.79	7.32	-3.22	-3.55
		-35.35	-3.22	-1.30e-04	0.0	180.0	-18.73	-38.97	2.79	7.32	1.81	-35.35
23	13	-2.71	2.56	-7.02e-05	-42.98	0.0	-17.33	2.90	2.95	-0.14	-2.74	-2.71
		-36.36	-2.74	2.25e-05	0.0	180.0	-17.33	-40.09	2.95	-0.14	2.56	-36.36
23	14	-3.12	2.53	-7.08e-05	-42.98	0.0	-17.25	3.56	3.26	6.69	-3.34	-3.12
		-35.66	-3.34	-1.16e-04	0.0	180.0	-17.25	-39.43	3.26	6.69	2.53	-35.66
23	15	-14.69	10.69	2.32e-04	-42.98	0.0	-64.94	17.14	0.38	4.12	10.00	-20.82
		-28.65	10.00	-2.12e-04	0.0	180.0	-64.94	-25.84	0.38	4.12	10.69	-28.65
23	16	14.55	-5.60	-2.83e-04	-42.98	0.0	30.35	-10.69	5.82	2.43	-16.08	14.55
		-43.38	-16.08	1.19e-04	0.0	180.0	30.35	-53.68	5.82	2.43	-5.60	-43.38
23	17	-16.14	12.73	2.63e-04	-42.98	0.0	-71.94	19.53	0.45	4.99	11.91	-24.11
		-27.65	11.91	-2.95e-04	0.0	180.0	-71.94	-23.46	0.45	4.99	12.73	-27.65
23	18	17.84	-7.64	-3.19e-04	-42.98	0.0	37.35	-13.08	5.75	1.56	-17.99	17.84
		-44.38	-17.99	2.02e-04	0.0	180.0	37.35	-56.06	5.75	1.56	-7.64	-44.38
23	19	2.84	3.50	-1.41e-04	-42.98	0.0	-4.12	-2.25	2.44	-0.72	-0.90	2.84
		-39.90	-0.90	5.46e-05	0.0	180.0	-4.12	-45.23	2.44	-0.72	3.50	-39.90
23	20	-3.24	1.90	-6.81e-05	-42.98	0.0	-17.93	3.67	2.78	6.88	-3.09	-3.24
		-35.59	-3.09	-1.20e-04	0.0	180.0	-17.93	-39.31	2.78	6.88	1.90	-35.59
23	21	2.38	2.86	-1.35e-04	-42.98	0.0	-5.44	-1.84	2.03	-0.15	-0.79	2.38
		-39.61	-0.79	4.16e-05	0.0	180.0	-5.44	-44.82	2.03	-0.15	2.86	-39.61
23	22	-2.84	2.55	-7.43e-05	-42.98	0.0	-16.61	3.26	3.19	6.31	-3.20	-2.84
		-35.88	-3.20	-1.07e-04	0.0	180.0	-16.61	-39.72	3.19	6.31	2.55	-35.88
23	23	-11.19	10.63	1.69e-04	-42.98	0.0	-48.11	10.93	-0.27	3.67	10.63	-13.69
		-32.69	10.14	-1.68e-04	0.0	180.0	-48.11	-32.05	-0.27	3.67	10.14	-32.69
23	24	13.01	-4.74	-2.65e-04	-42.98	0.0	26.07	-9.51	5.49	2.49	-14.62	13.01
		-42.80	-14.62	1.03e-04	0.0	180.0	26.07	-52.49	5.49	2.49	-4.74	-42.80
23	25	-13.07	12.35	1.97e-04	-42.98	0.0	-54.38	13.07	-0.21	4.44	12.35	-16.64
		-31.80	11.97	-2.43e-04	0.0	180.0	-54.38	-29.91	-0.21	4.44	11.97	-31.80
23	26	15.96	-6.57	-2.97e-04	-42.98	0.0	32.34	-11.65	5.43	1.72	-16.34	15.96
		-43.69	-16.34	1.78e-04	0.0	180.0	32.34	-54.63	5.43	1.72	-6.57	-43.69
24	1	0.86	2.29	-1.17e-04	-46.39	0.0	-11.91	-0.49	-2.46	-2.50	2.29	0.86
		-41.77	-2.14	-5.87e-06	0.0	180.0	-11.91	-46.88	-2.46	-2.50	-2.14	-41.77
24	2	-0.94	3.90	-1.97e-04	-69.34	0.0	-18.40	1.32	-4.06	-3.76	3.90	-0.94
		-60.97	-3.40	-1.42e-05	0.0	180.0	-18.40	-68.02	-4.06	-3.76	-3.40	-60.97
24	3	1.78	0.77	-4.03e-05	-21.56	0.0	-5.17	-1.49	-0.91	-1.15	0.77	1.78
		-20.31	-0.87	0.0	0.0	180.0	-5.17	-23.05	-0.91	-1.15	-0.87	-20.31
24	4	-0.03	2.38	-1.21e-04	-44.51	0.0	-11.66	0.32	-2.51	-2.41	2.38	-0.03
		-39.52	-2.13	-7.73e-06	0.0	180.0	-11.66	-44.19	-2.51	-2.41	-2.13	-39.52
24	5	0.81	1.63	-8.32e-05	-33.80	0.0	-8.63	-0.52	-1.76	-1.82	1.63	0.81
		-30.55	-1.54	-3.83e-06	0.0	180.0	-8.63	-34.33	-1.76	-1.82	-1.54	-30.55
24	6	-0.39	2.70	-1.37e-04	-49.10	0.0	-12.96	0.68	-2.83	-2.66	2.70	-0.39
		-43.36	-2.39	-9.40e-06	0.0	180.0	-12.96	-48.42	-2.83	-2.66	-2.39	-43.36
24	7	0.81	1.63	-8.32e-05	-33.80	0.0	-8.63	-0.52	-1.76	-1.82	1.63	0.81
		-30.55	-1.54	-3.83e-06	0.0	180.0	-8.63	-34.33	-1.76	-1.82	-1.54	-30.55
24	8	-0.03	2.38	-1.21e-04	-44.51	0.0	-11.66	0.32	-2.51	-2.41	2.38	-0.03
		-39.52	-2.13	-7.73e-06	0.0	180.0	-11.66	-44.19	-2.51	-2.41	-2.13	-39.52
24	9	0.81	1.63	-8.32e-05	-33.80	0.0	-8.63	-0.52	-1.76	-1.82	1.63	0.81
		-30.55	-1.54	-3.83e-06	0.0	180.0	-8.63	-34.33	-1.76	-1.82	-1.54	-30.55
24	10	0.09	2.27	-1.15e-04	-42.98	0.0	-11.22	0.20	-2.40	-2.32	2.27	0.09
		-38.24	-2.05	-7.17e-06	0.0	180.0	-11.22	-42.78	-2.40	-2.32	-2.05	-38.24
24	11	-3.52	3.38	7.03e-05	-42.98	0.0	-18.78	3.58	-2.36	-6.12	3.38	-3.79
		-36.02	-0.87	5.47e-05	0.0	180.0	-18.78	-39.40	-2.36	-6.12	-0.87	-36.02
24	12	-1.13	2.71	-9.47e-05	-42.98	0.0	-16.25	1.25	-2.73	1.95	2.71	-1.13
		-37.57	-2.21	-1.12e-04	0.0	180.0	-16.25	-41.74	-2.73	1.95	-2.21	-37.57
24	13	-3.76	3.76	7.25e-05	-42.98	0.0	-18.97	3.83	-2.91	-5.46	3.76	-4.07
		-35.85	-1.47	3.92e-05	0.0	180.0	-18.97	-39.15	-2.91	-5.46	-1.47	-35.85
24	14	-0.85	2.32	-9.78e-05	-42.98	0.0	-16.07	1.00	-2.18	1.29	2.32	-0.85
		-37.74	-1.61	-9.69e-05	0.0	180.0	-16.07	-41.98	-2.18	1.29	-1.61	-37.74
24	15	-15.89	-10.11	2.35e-04	-42.98	0.0	-62.27	15.78	1.92	-0.18	-13.57	-21.10
		-31.38	-13.57	2.95e-05	0.0	180.0	-62.27	-27.20	1.92	-0.18	-10.11	-31.38
24	16	16.18	19.65	-2.88e-04	-42.98	0.0	27.24	-10.95	-7.01	-4.00	19.65	16.18

		-42.21	7.03	-6.79e-05	0.0	180.0	27.24	-53.93	-7.01	-4.00	7.03	-42.21
24	17	-15.06	-7.63	2.29e-04	-42.98	0.0	-63.12	15.75	1.99	0.70	-11.20	-20.25
		-30.59	-11.20	-8.46e-05	0.0	180.0	-63.12	-27.24	1.99	0.70	-7.63	-30.59
24	18	15.33	17.29	-2.90e-04	-42.98	0.0	28.08	-10.91	-7.08	-4.88	17.29	15.33
		-43.00	4.55	2.69e-05	0.0	180.0	28.08	-53.90	-7.08	-4.88	4.55	-43.00
24	19	1.19	1.89	-1.34e-04	-42.98	0.0	-6.72	-0.74	-2.11	-6.15	1.89	1.19
		-38.83	-1.91	8.72e-05	0.0	180.0	-6.72	-43.72	-2.11	-6.15	-1.91	-38.83
24	20	-1.00	2.66	-9.69e-05	-42.98	0.0	-15.73	1.14	-2.70	1.50	2.66	-1.00
		-37.64	-2.19	-1.02e-04	0.0	180.0	-15.73	-41.85	-2.70	1.50	-2.19	-37.64
24	21	0.94	2.23	-1.31e-04	-42.98	0.0	-6.89	-0.52	-2.60	-5.56	2.23	0.94
		-38.68	-2.44	7.33e-05	0.0	180.0	-6.89	-43.50	-2.60	-5.56	-2.44	-38.68
24	22	-0.75	2.32	-9.96e-05	-42.98	0.0	-15.56	0.92	-2.21	0.91	2.32	-0.75
		-37.79	-1.65	-8.76e-05	0.0	180.0	-15.56	-42.07	-2.21	0.91	-1.65	-37.79
24	23	-12.16	-10.19	1.71e-04	-42.98	0.0	-45.70	10.19	1.73	-0.83	-13.30	-14.33
		-34.67	-13.30	5.18e-05	0.0	180.0	-45.70	-32.79	1.73	-0.83	-10.19	-34.67
24	24	14.51	17.85	-2.70e-04	-42.98	0.0	23.25	-9.79	-6.53	-3.82	17.85	14.51
		-41.80	6.09	-6.13e-05	0.0	180.0	23.25	-52.78	-6.53	-3.82	6.09	-41.80
24	25	-11.42	-7.97	1.66e-04	-42.98	0.0	-46.46	10.16	1.79	-0.03	-11.18	-13.57
		-33.97	-11.18	-3.77e-05	0.0	180.0	-46.46	-32.82	1.79	-0.03	-7.97	-33.97
24	26	13.75	15.73	-2.72e-04	-42.98	0.0	24.01	-9.76	-6.59	-4.62	15.73	13.75
		-42.50	3.87	2.34e-05	0.0	180.0	24.01	-52.75	-6.59	-4.62	3.87	-42.50
25	1	1.70	-0.82	4.46e-05	-9.25	0.0	-22.99	-1.09	-1.44	-0.33	-0.82	0.84
		0.11	-0.82	6.01e-06	0.0	104.1	-22.99	-10.34	-1.44	-0.33	-0.82	0.11
25	2	2.34	-0.89	7.96e-05	-13.22	0.0	-32.85	-1.71	-3.29	-0.73	-0.89	1.21
		-0.08	-1.16	5.67e-06	0.0	104.1	-32.85	-14.93	-3.29	-0.73	-1.16	-0.08
25	3	0.92	-0.42	1.27e-05	-4.67	0.0	-11.61	-0.45	0.03	-0.01	-0.59	0.42
		0.20	-0.59	4.98e-06	0.0	104.1	-11.61	-5.13	0.03	-0.01	-0.42	0.20
25	4	1.55	-0.66	4.77e-05	-8.64	0.0	-21.48	-1.08	-1.82	-0.41	-0.66	0.79
		0.01	-0.76	4.48e-06	0.0	104.1	-21.48	-9.72	-1.82	-0.41	-0.76	0.01
25	5	1.26	-0.60	3.14e-05	-6.79	0.0	-16.87	-0.79	-0.96	-0.22	-0.63	0.62
		0.10	-0.63	4.67e-06	0.0	104.1	-16.87	-7.57	-0.96	-0.22	-0.60	0.10
25	6	1.68	-0.67	5.47e-05	-9.43	0.0	-23.45	-1.20	-2.19	-0.48	-0.67	0.86
		-0.03	-0.83	4.42e-06	0.0	104.1	-23.45	-10.64	-2.19	-0.48	-0.83	-0.03
25	7	1.26	-0.60	3.14e-05	-6.79	0.0	-16.87	-0.79	-0.96	-0.22	-0.63	0.62
		0.10	-0.63	4.67e-06	0.0	104.1	-16.87	-7.57	-0.96	-0.22	-0.60	0.10
25	8	1.55	-0.66	4.77e-05	-8.64	0.0	-21.48	-1.08	-1.82	-0.41	-0.66	0.79
		0.01	-0.76	4.48e-06	0.0	104.1	-21.48	-9.72	-1.82	-0.41	-0.76	0.01
25	9	1.26	-0.60	3.14e-05	-6.79	0.0	-16.87	-0.79	-0.96	-0.22	-0.63	0.62
		0.10	-0.63	4.67e-06	0.0	104.1	-16.87	-7.57	-0.96	-0.22	-0.60	0.10
25	10	1.51	-0.65	4.54e-05	-8.38	0.0	-20.82	-1.04	-1.70	-0.38	-0.65	0.77
		0.02	-0.74	4.50e-06	0.0	104.1	-20.82	-9.41	-1.70	-0.38	-0.74	0.02
25	11	0.99	3.90	5.33e-05	-8.38	0.0	-4.27	-0.10	-4.12	0.19	3.90	0.23
		-0.47	0.29	3.21e-04	0.0	104.1	-4.27	-8.47	-4.12	0.19	0.29	-0.47
25	12	1.64	-0.93	8.64e-05	-8.38	0.0	-28.11	-0.80	-0.10	-0.10	-1.20	0.84
		0.21	-1.20	-8.15e-05	0.0	104.1	-28.11	-9.18	-0.10	-0.10	-0.93	0.21
25	13	0.96	3.64	5.89e-05	-8.38	0.0	-4.12	0.04	-4.10	0.13	3.64	0.19
		-0.49	0.17	2.99e-04	0.0	104.1	-4.12	-8.34	-4.10	0.13	0.17	-0.49
25	14	1.66	-0.81	8.09e-05	-8.38	0.0	-28.26	-0.94	-0.13	-0.05	-0.94	0.88
		0.23	-0.94	-5.90e-05	0.0	104.1	-28.26	-9.31	-0.13	-0.05	-0.81	0.23
25	15	0.41	3.30	1.91e-04	-8.38	0.0	7.30	2.22	-1.76	0.81	3.30	-0.46
		-0.92	-0.43	3.03e-04	0.0	104.1	7.30	-6.16	-1.76	0.81	-0.43	-0.92
25	16	2.22	-0.21	-5.17e-05	-8.38	0.0	-39.68	-3.11	-2.46	-0.73	-0.21	1.53
		0.66	-0.61	-6.34e-05	0.0	104.1	-39.68	-11.49	-2.46	-0.73	-0.61	0.66
25	17	0.29	3.08	2.12e-04	-8.38	0.0	10.11	2.66	-1.37	0.90	3.08	-0.59
		-1.01	-0.67	2.92e-04	0.0	104.1	10.11	-5.71	-1.37	0.90	-0.67	-1.01
25	18	2.34	0.03	-7.19e-05	-8.38	0.0	-42.49	-3.56	-2.85	-0.82	-0.38	1.67
		0.75	-0.38	-5.25e-05	0.0	104.1	-42.49	-11.94	-2.85	-0.82	0.03	0.75
25	19	1.40	-0.17	8.63e-06	-8.38	0.0	-14.28	-1.25	-3.13	-0.63	-0.17	0.70
		-0.15	-0.57	7.39e-05	0.0	104.1	-14.28	-9.62	-3.13	-0.63	-0.57	-0.15
25	20	1.62	-0.91	8.22e-05	-8.38	0.0	-27.36	-0.83	-0.26	-0.13	-1.14	0.83
		0.19	-1.14	-7.30e-05	0.0	104.1	-27.36	-9.20	-0.26	-0.13	-0.91	0.19
25	21	1.37	-0.40	1.36e-05	-8.38	0.0	-14.15	-1.12	-3.10	-0.68	-0.40	0.67
		-0.16	-0.67	5.37e-05	0.0	104.1	-14.15	-9.50	-3.10	-0.68	-0.67	-0.16
25	22	1.65	-0.80	7.72e-05	-8.38	0.0	-27.49	-0.95	-0.29	-0.08	-0.91	0.87
		0.21	-0.91	-5.29e-05	0.0	104.1	-27.49	-9.32	-0.29	-0.08	-0.80	0.21
25	23	0.88	-0.70	1.32e-04	-8.38	0.0	-3.91	0.83	-1.01	-0.07	-0.70	0.08
		-0.55	-1.21	5.77e-05	0.0	104.1	-3.91	-7.55	-1.01	-0.07	-1.21	-0.55
25	24	2.14	-0.26	-4.17e-05	-8.38	0.0	-37.73	-2.90	-2.38	-0.69	-0.61	1.45
		0.60	-0.61	-5.68e-05	0.0	104.1	-37.73	-11.28	-2.38	-0.69	-0.26	0.60
25	25	0.77	-0.90	1.51e-04	-8.38	0.0	-1.39	1.23	-0.66	0.01	-0.90	-0.04
		-0.63	-1.42	4.79e-05	0.0	104.1	-1.39	-7.15	-0.66	0.01	-1.42	-0.63
25	26	2.25	-0.05	-5.98e-05	-8.38	0.0	-40.25	-3.30	-2.73	-0.77	-0.41	1.57
		0.68	-0.41	-4.70e-05	0.0	104.1	-40.25	-11.68	-2.73	-0.77	-0.05	0.68
26	1	0.92	-0.12	3.71e-05	-13.38	0.0	-6.29	5.24	-0.42	-0.18	-0.12	-0.88

		-0.88	-0.12	-5.13e-05	0.0	104.1	-6.29	-8.14	-0.42	-0.18	-0.12	-0.76
26	2	1.18	-0.20	6.41e-05	-19.99	0.0	-10.93	8.41	-0.96	-0.35	-0.20	-1.47
		-1.47	-0.26	-8.20e-05	0.0	104.1	-10.93	-11.58	-0.96	-0.35	-0.26	-1.38
26	3	0.55	-0.01	1.19e-05	-6.22	0.0	-1.99	2.07	7.81e-03	-0.03	-0.04	-0.31
		-0.31	-0.04	-2.06e-05	0.0	104.1	-1.99	-4.15	7.81e-03	-0.03	-0.01	-0.20
26	4	0.81	-0.12	3.89e-05	-12.83	0.0	-6.62	5.25	-0.53	-0.20	-0.12	-0.90
		-0.90	-0.15	-5.13e-05	0.0	104.1	-6.62	-7.58	-0.53	-0.20	-0.15	-0.82
26	5	0.69	-0.08	2.63e-05	-9.75	0.0	-4.46	3.77	-0.28	-0.12	-0.08	-0.63
		-0.63	-0.08	-3.70e-05	0.0	104.1	-4.46	-5.98	-0.28	-0.12	-0.08	-0.53
26	6	0.86	-0.14	4.43e-05	-14.16	0.0	-7.55	5.88	-0.64	-0.23	-0.14	-1.02
		-1.02	-0.17	-5.74e-05	0.0	104.1	-7.55	-8.27	-0.64	-0.23	-0.17	-0.95
26	7	0.69	-0.08	2.63e-05	-9.75	0.0	-4.46	3.77	-0.28	-0.12	-0.08	-0.63
		-0.63	-0.08	-3.70e-05	0.0	104.1	-4.46	-5.98	-0.28	-0.12	-0.08	-0.53
26	8	0.81	-0.12	3.89e-05	-12.83	0.0	-6.62	5.25	-0.53	-0.20	-0.12	-0.90
		-0.90	-0.15	-5.13e-05	0.0	104.1	-6.62	-7.58	-0.53	-0.20	-0.15	-0.82
26	9	0.69	-0.08	2.63e-05	-9.75	0.0	-4.46	3.77	-0.28	-0.12	-0.08	-0.63
		-0.63	-0.08	-3.70e-05	0.0	104.1	-4.46	-5.98	-0.28	-0.12	-0.08	-0.53
26	10	0.79	-0.12	3.71e-05	-12.39	0.0	-6.31	5.04	-0.49	-0.19	-0.12	-0.86
		-0.86	-0.14	-4.92e-05	0.0	104.1	-6.31	-7.35	-0.49	-0.19	-0.14	-0.78
26	11	0.85	-3.10	4.08e-05	-12.39	0.0	-9.16	4.23	0.08	-0.20	-3.23	-0.65
		-0.89	-3.23	-8.96e-05	0.0	104.1	-9.16	-8.16	0.08	-0.20	-3.10	-0.89
26	12	0.83	-0.16	8.45e-05	-12.39	0.0	-6.78	5.22	-1.10	-0.42	-0.16	-0.88
		-0.88	-0.41	-1.24e-04	0.0	104.1	-6.78	-7.18	-1.10	-0.42	-0.41	-0.67
26	13	0.85	-2.95	4.67e-05	-12.39	0.0	-9.11	4.24	-0.14	-0.25	-3.06	-0.65
		-0.88	-3.06	-9.95e-05	0.0	104.1	-9.11	-8.16	-0.14	-0.25	-2.95	-0.88
26	14	0.83	-0.33	7.86e-05	-12.39	0.0	-6.83	5.21	-0.89	-0.37	-0.33	-0.88
		-0.88	-0.55	-1.14e-04	0.0	104.1	-6.83	-7.18	-0.89	-0.37	-0.55	-0.68
26	15	0.97	-4.32	1.87e-04	-12.39	0.0	-14.41	3.54	-1.11	-0.73	-4.32	-0.43
		-0.84	-4.57	-2.41e-04	0.0	104.1	-14.41	-8.85	-1.11	-0.73	-4.57	-0.84
26	16	0.71	1.07	-6.19e-05	-12.39	0.0	-1.53	5.91	0.08	0.12	0.93	-1.10
		-1.10	0.93	2.83e-05	0.0	104.1	-1.53	-6.49	0.08	0.12	1.07	-0.72
26	17	0.99	-4.57	2.08e-04	-12.39	0.0	-14.42	3.44	-1.56	-0.90	-4.57	-0.41
		-0.84	-4.90	-2.96e-04	0.0	104.1	-14.42	-8.95	-1.56	-0.90	-4.90	-0.84
26	18	0.70	1.39	-8.29e-05	-12.39	0.0	-1.52	6.01	0.53	0.29	1.18	-1.12
		-1.12	1.18	8.26e-05	0.0	104.1	-1.52	-6.39	0.53	0.29	1.39	-0.72
26	19	0.75	0.10	-7.49e-06	-12.39	0.0	-5.90	4.88	0.05	0.02	-0.08	-0.84
		-0.88	-0.08	1.73e-05	0.0	104.1	-5.90	-7.51	0.05	0.02	0.10	-0.88
26	20	0.83	-0.16	7.96e-05	-12.39	0.0	-6.73	5.20	-1.04	-0.40	-0.16	-0.88
		-0.88	-0.38	-1.16e-04	0.0	104.1	-6.73	-7.20	-1.04	-0.40	-0.38	-0.68
26	21	0.76	0.23	-4.56e-06	-12.39	0.0	-5.85	4.88	-0.14	-0.03	0.07	-0.85
		-0.87	0.07	8.53e-06	0.0	104.1	-5.85	-7.51	-0.14	-0.03	0.23	-0.87
26	22	0.83	-0.31	7.43e-05	-12.39	0.0	-6.78	5.19	-0.85	-0.35	-0.31	-0.88
		-0.88	-0.51	-1.07e-04	0.0	104.1	-6.78	-7.20	-0.85	-0.35	-0.51	-0.69
26	23	0.87	-1.06	1.26e-04	-12.39	0.0	-10.61	4.26	-1.01	-0.47	-1.06	-0.65
		-0.84	-1.22	-1.19e-04	0.0	104.1	-10.61	-8.13	-1.01	-0.47	-1.22	-0.84
26	24	0.71	0.94	-5.16e-05	-12.39	0.0	-2.02	5.82	0.02	0.09	0.82	-1.07
		-1.07	0.82	2.02e-05	0.0	104.1	-2.02	-6.58	0.02	0.09	0.94	-0.72
26	25	0.88	-1.28	1.45e-04	-12.39	0.0	-10.61	4.17	-1.42	-0.62	-1.28	-0.63
		-0.84	-1.51	-1.67e-04	0.0	104.1	-10.61	-8.22	-1.42	-0.62	-1.51	-0.84
26	26	0.70	1.23	-7.05e-05	-12.39	0.0	-2.01	5.90	0.43	0.24	1.04	-1.10
		-1.10	1.04	6.89e-05	0.0	104.1	-2.01	-6.49	0.43	0.24	1.23	-0.72
27	1	101.32	0.34	-1.13e-03	-266.60	0.0	65.23	128.76	0.04	0.29	0.04	-105.03
		-135.19	0.04	-7.30e-05	0.0	664.5	65.23	-137.84	0.04	0.29	0.34	-135.19
27	2	154.69	0.76	-1.72e-03	-406.11	0.0	101.75	196.19	0.08	0.32	0.26	-159.82
		-205.40	0.26	-1.04e-04	0.0	664.5	101.75	-209.91	0.08	0.32	0.76	-205.40
27	3	45.09	-1.25e-03	-4.98e-04	-119.22	0.0	27.71	57.55	0.02	0.20	-0.11	-47.07
		-60.79	-0.11	-4.95e-05	0.0	664.5	27.71	-61.67	0.02	0.20	-1.25e-03	-60.79
27	4	98.46	0.42	-1.10e-03	-258.73	0.0	64.22	124.98	0.05	0.23	0.12	-101.86
		-130.99	0.12	-6.71e-05	0.0	664.5	64.22	-133.75	0.05	0.23	0.42	-130.99
27	5	73.56	0.23	-8.17e-04	-193.63	0.0	47.18	93.51	0.03	0.22	0.01	-76.29
		-98.23	0.01	-5.46e-05	0.0	664.5	47.18	-100.11	0.03	0.22	0.23	-98.23
27	6	109.14	0.51	-1.21e-03	-286.63	0.0	71.53	138.47	0.05	0.24	0.16	-112.82
		-145.04	0.16	-7.38e-05	0.0	664.5	71.53	-148.16	0.05	0.24	0.51	-145.04
27	7	73.56	0.23	-8.17e-04	-193.63	0.0	47.18	93.51	0.03	0.22	0.01	-76.29
		-98.23	0.01	-5.46e-05	0.0	664.5	47.18	-100.11	0.03	0.22	0.23	-98.23
27	8	98.46	0.42	-1.10e-03	-258.73	0.0	64.22	124.98	0.05	0.23	0.12	-101.86
		-130.99	0.12	-6.71e-05	0.0	664.5	64.22	-133.75	0.05	0.23	0.42	-130.99
27	9	73.56	0.23	-8.17e-04	-193.63	0.0	47.18	93.51	0.03	0.22	0.01	-76.29
		-98.23	0.01	-5.46e-05	0.0	664.5	47.18	-100.11	0.03	0.22	0.23	-98.23
27	10	94.91	0.40	-1.06e-03	-249.43	0.0	61.79	120.49	0.04	0.23	0.10	-98.21
		-126.31	0.10	-6.49e-05	0.0	664.5	61.79	-128.94	0.04	0.23	0.40	-126.31
27	11	94.93	0.83	-1.08e-03	-249.43	0.0	65.89	122.87	0.10	0.87	0.15	-106.13
		-118.35	0.15	2.80e-04	0.0	664.5	65.89	-126.56	0.10	0.87	0.83	-118.35
27	12	94.41	1.52	-1.03e-03	-249.43	0.0	58.76	117.80	-0.09	-0.19	1.52	-89.80

		-135.72	0.92	-1.90e-04	0.0	664.5	58.76	-131.63	-0.09	-0.19	0.92	-135.72
27	13	94.63	0.92	-1.08e-03	-249.43	0.0	63.67	122.26	0.08	0.80	0.42	-104.38
		-120.69	0.42	2.67e-04	0.0	664.5	63.67	-127.17	0.08	0.80	0.92	-120.69
27	14	94.71	1.25	-1.03e-03	-249.43	0.0	60.99	118.42	-0.06	-0.12	1.25	-91.54
		-133.38	0.83	-1.66e-04	0.0	664.5	60.99	-131.01	-0.06	-0.12	0.83	-133.38
27	15	93.17	-6.13	-1.04e-03	-249.43	0.0	64.85	119.55	-0.25	-2.27	-6.13	-96.84
		-131.15	-7.81	-1.05e-03	0.0	664.5	64.85	-129.88	-0.25	-2.27	-7.81	-131.15
27	16	96.17	9.56	-1.07e-03	-249.43	0.0	59.81	121.13	0.27	2.95	7.80	-99.08
		-122.92	7.80	1.21e-03	0.0	664.5	59.81	-128.30	0.27	2.95	9.56	-122.92
27	17	93.06	-9.03	-1.03e-03	-249.43	0.0	64.76	119.15	0.39	-5.10	-11.62	-95.64
		-132.59	-11.62	-2.45e-03	0.0	664.5	64.76	-130.28	0.39	-5.10	-9.03	-132.59
27	18	96.28	13.29	-1.08e-03	-249.43	0.0	59.89	121.53	-0.38	5.78	13.29	-100.29
		-121.48	10.78	2.62e-03	0.0	664.5	59.89	-127.90	-0.38	5.78	10.78	-121.48
27	19	95.35	-0.07	-1.08e-03	-249.43	0.0	64.50	122.89	0.17	0.61	-1.17	-105.75
		-117.89	-1.17	6.39e-05	0.0	664.5	64.50	-126.54	0.17	0.61	-0.07	-117.89
27	20	94.46	1.37	-1.03e-03	-249.43	0.0	59.08	118.08	-0.08	-0.14	1.37	-90.67
		-134.74	0.86	-1.77e-04	0.0	664.5	59.08	-131.35	-0.08	-0.14	0.86	-134.74
27	21	95.08	5.24e-03	-1.08e-03	-249.43	0.0	62.51	122.34	0.14	0.54	-0.93	-104.19
		-119.98	-0.93	4.29e-05	0.0	664.5	62.51	-127.09	0.14	0.54	5.24e-03	-119.98
27	22	94.73	1.13	-1.03e-03	-249.43	0.0	61.07	118.63	-0.05	-0.08	1.13	-92.23
		-132.65	0.79	-1.55e-04	0.0	664.5	61.07	-130.80	-0.05	-0.08	0.79	-132.65
27	23	93.77	-6.80	-1.05e-03	-249.43	0.0	63.57	119.91	-0.15	-2.21	-6.80	-97.43
		-129.36	-7.82	-1.19e-03	0.0	664.5	63.57	-129.52	-0.15	-2.21	-7.82	-129.36
27	24	96.04	8.61	-1.07e-03	-249.43	0.0	60.01	121.06	0.24	2.67	7.00	-98.99
		-123.27	7.00	1.08e-03	0.0	664.5	60.01	-128.37	0.24	2.67	8.61	-123.27
27	25	93.67	-8.91	-1.04e-03	-249.43	0.0	63.49	119.55	0.42	-4.74	-11.72	-96.35
		-130.64	-11.72	-2.46e-03	0.0	664.5	63.49	-129.88	0.42	-4.74	-8.91	-130.64
27	26	96.14	11.92	-1.07e-03	-249.43	0.0	60.09	121.42	-0.33	5.21	11.92	-100.07
		-121.98	9.70	2.34e-03	0.0	664.5	60.09	-128.01	-0.33	5.21	9.70	-121.98
28	1	51.80	0.35	7.75e-04	-216.19	0.0	68.37	120.56	-0.23	0.08	0.35	-129.31
		-129.31	-0.90	2.03e-05	0.0	538.8	68.37	-95.63	-0.23	0.08	-0.90	-62.15
28	2	79.45	0.87	1.22e-03	-329.32	0.0	106.59	183.62	-0.55	-0.16	0.87	-196.36
		-196.36	-2.10	1.11e-04	0.0	538.8	106.59	-145.70	-0.55	-0.16	-2.10	-94.20
28	3	22.84	0.05	3.20e-04	-96.68	0.0	29.08	53.93	0.02	0.21	-0.04	-58.20
		-58.20	-0.04	-5.59e-05	0.0	538.8	29.08	-42.75	0.02	0.21	0.05	-28.09
28	4	50.48	0.47	7.69e-04	-209.81	0.0	67.29	116.99	-0.30	-0.03	0.47	-125.26
		-125.26	-1.15	4.98e-05	0.0	538.8	67.29	-92.82	-0.30	-0.03	-1.15	-60.13
28	5	37.58	0.23	5.60e-04	-157.02	0.0	49.46	87.56	-0.15	0.08	0.23	-93.96
		-93.96	-0.59	8.89e-06	0.0	538.8	49.46	-69.45	-0.15	0.08	-0.59	-45.18
28	6	56.01	0.57	8.59e-04	-232.44	0.0	74.93	129.61	-0.36	-0.08	0.57	-138.67
		-138.67	-1.39	6.82e-05	0.0	538.8	74.93	-102.83	-0.36	-0.08	-1.39	-66.54
28	7	37.58	0.23	5.60e-04	-157.02	0.0	49.46	87.56	-0.15	0.08	0.23	-93.96
		-93.96	-0.59	8.89e-06	0.0	538.8	49.46	-69.45	-0.15	0.08	-0.59	-45.18
28	8	50.48	0.47	7.69e-04	-209.81	0.0	67.29	116.99	-0.30	-0.03	0.47	-125.26
		-125.26	-1.15	4.98e-05	0.0	538.8	67.29	-92.82	-0.30	-0.03	-1.15	-60.13
28	9	37.58	0.23	5.60e-04	-157.02	0.0	49.46	87.56	-0.15	0.08	0.23	-93.96
		-93.96	-0.59	8.89e-06	0.0	538.8	49.46	-69.45	-0.15	0.08	-0.59	-45.18
28	10	48.64	0.43	7.39e-04	-202.27	0.0	64.74	112.79	-0.28	-0.02	0.43	-120.79
		-120.79	-1.07	4.37e-05	0.0	538.8	64.74	-89.48	-0.28	-0.02	-1.07	-58.00
28	11	49.67	1.02	7.19e-04	-202.27	0.0	82.52	115.94	-0.55	0.19	1.02	-129.31
		-129.31	-1.93	4.22e-04	0.0	538.8	82.52	-86.33	-0.55	0.19	-1.93	-49.54
28	12	47.44	1.13	7.04e-04	-202.27	0.0	48.94	109.63	-0.92	-0.89	1.13	-112.42
		-112.42	-3.85	1.78e-04	0.0	538.8	48.94	-92.64	-0.92	-0.89	-3.85	-66.63
28	13	50.77	1.12	7.17e-04	-202.27	0.0	73.25	115.83	-0.65	0.06	1.12	-127.87
		-127.87	-2.37	4.37e-04	0.0	538.8	73.25	-86.45	-0.65	0.06	-2.37	-48.71
28	14	46.35	1.02	7.06e-04	-202.27	0.0	58.21	109.75	-0.82	-0.76	1.02	-113.87
		-113.87	-3.41	1.55e-04	0.0	538.8	58.21	-92.52	-0.82	-0.76	-3.41	-67.46
28	15	48.56	18.74	5.47e-04	-202.27	0.0	70.48	113.10	5.43	-15.83	-10.54	-121.82
		-121.82	-10.54	-3.93e-03	0.0	538.8	70.48	-89.17	5.43	-15.83	18.74	-57.34
28	16	48.55	12.68	8.76e-04	-202.27	0.0	60.98	112.47	-6.91	15.13	12.68	-119.91
		-119.91	-24.52	4.47e-03	0.0	538.8	60.98	-89.80	-6.91	15.13	-24.52	-58.83
28	17	47.29	27.41	5.23e-04	-202.27	0.0	72.48	112.17	7.55	-21.69	-13.26	-120.25
		-120.25	-13.26	-5.77e-03	0.0	538.8	72.48	-90.10	7.55	-21.69	27.41	-60.81
28	18	49.82	15.41	9.00e-04	-202.27	0.0	58.99	113.41	-9.02	20.99	15.41	-121.48
		-121.48	-33.20	6.30e-03	0.0	538.8	58.99	-88.86	-9.02	20.99	-33.20	-55.36
28	19	49.71	1.41	7.71e-04	-202.27	0.0	78.91	115.62	0.30	0.77	-0.19	-128.28
		-128.28	-0.19	-7.72e-05	0.0	538.8	78.91	-86.65	0.30	0.77	1.41	-50.26
28	20	47.57	1.06	7.07e-04	-202.27	0.0	50.58	109.96	-0.86	-0.80	1.06	-113.29
		-113.29	-3.56	1.64e-04	0.0	538.8	50.58	-92.31	-0.86	-0.80	-3.56	-65.73
28	21	50.70	1.02	7.69e-04	-202.27	0.0	70.60	115.51	0.21	0.65	-0.09	-126.99
		-126.99	-0.09	-5.70e-05	0.0	538.8	70.60	-86.76	0.21	0.65	1.02	-49.52
28	22	46.58	0.96	7.09e-04	-202.27	0.0	58.89	110.06	-0.77	-0.68	0.96	-114.58
		-114.58	-3.17	1.44e-04	0.0	538.8	58.89	-92.21	-0.77	-0.68	-3.17	-66.48
28	23	48.72	19.94	6.16e-04	-202.27	0.0	68.12	113.07	5.66	-13.59	-10.55	-121.57

		-121.57	-10.55	-3.95e-03	0.0	538.8	68.12	-89.20	5.66	-13.59	19.94	-57.25
28	24	48.56	11.42	8.62e-04	-202.27	0.0	61.37	112.50	-6.22	13.56	11.42	-120.00
		-120.00	-22.09	4.01e-03	0.0	538.8	61.37	-89.77	-6.22	13.56	-22.09	-58.74
28	25	47.58	27.72	5.95e-04	-202.27	0.0	69.90	112.23	7.55	-18.84	-12.99	-120.17
		-120.17	-12.99	-5.60e-03	0.0	538.8	69.90	-90.04	7.55	-18.84	27.72	-60.36
28	26	49.70	13.86	8.83e-04	-202.27	0.0	59.58	113.34	-8.11	18.81	13.86	-121.41
		-121.41	-29.87	5.65e-03	0.0	538.8	59.58	-88.93	-8.11	18.81	-29.87	-55.64
29	1	-3.98	1.47	1.82e-04	-19.89	0.0	-92.05	8.90	0.16	-0.14	0.94	-10.75
		-14.30	0.94	-4.96e-05	0.0	340.0	-92.05	-10.99	0.16	-0.14	1.47	-14.30
29	2	-7.75	2.13	3.14e-04	-19.89	0.0	-146.65	8.41	0.28	-0.20	1.18	-13.79
		-19.01	1.18	-8.52e-05	0.0	340.0	-146.65	-11.48	0.28	-0.20	2.13	-19.01
29	3	-0.74	0.72	6.01e-05	-15.30	0.0	-37.21	7.15	0.04	-0.07	0.57	-6.39
		-8.10	0.57	-1.67e-05	0.0	340.0	-37.21	-8.15	0.04	-0.07	0.72	-8.10
29	4	-4.51	1.38	1.91e-04	-15.30	0.0	-91.81	6.66	0.17	-0.13	0.81	-9.44
		-12.81	0.81	-5.19e-05	0.0	340.0	-91.81	-8.64	0.17	-0.13	1.38	-12.81
29	5	-2.75	1.08	1.30e-04	-15.30	0.0	-66.33	6.89	0.11	-0.10	0.70	-8.02
		-10.61	0.70	-3.52e-05	0.0	340.0	-66.33	-8.41	0.11	-0.10	1.08	-10.61
29	6	-5.27	1.52	2.17e-04	-15.30	0.0	-102.73	6.56	0.19	-0.14	0.86	-10.05
		-13.75	0.86	-5.90e-05	0.0	340.0	-102.73	-8.74	0.19	-0.14	1.52	-13.75
29	7	-2.75	1.08	1.30e-04	-15.30	0.0	-66.33	6.89	0.11	-0.10	0.70	-8.02
		-10.61	0.70	-3.52e-05	0.0	340.0	-66.33	-8.41	0.11	-0.10	1.08	-10.61
29	8	-4.51	1.38	1.91e-04	-15.30	0.0	-91.81	6.66	0.17	-0.13	0.81	-9.44
		-12.81	0.81	-5.19e-05	0.0	340.0	-91.81	-8.64	0.17	-0.13	1.38	-12.81
29	9	-2.75	1.08	1.30e-04	-15.30	0.0	-66.33	6.89	0.11	-0.10	0.70	-8.02
		-10.61	0.70	-3.52e-05	0.0	340.0	-66.33	-8.41	0.11	-0.10	1.08	-10.61
29	10	-4.26	1.34	1.82e-04	-15.30	0.0	-88.17	6.69	0.16	-0.13	0.80	-9.24
		-12.50	0.80	-4.95e-05	0.0	340.0	-88.17	-8.61	0.16	-0.13	1.34	-12.50
29	11	-4.42	1.04	1.85e-04	-15.30	0.0	-77.71	7.44	-0.36	0.28	1.04	-10.56
		-11.28	-0.17	1.23e-04	0.0	340.0	-77.71	-7.86	-0.36	0.28	-0.17	-11.28
29	12	-3.80	2.02	1.82e-04	-15.30	0.0	-86.82	5.39	0.90	-0.58	-1.04	-7.02
		-14.69	-1.04	-2.97e-04	0.0	340.0	-86.82	-9.91	0.90	-0.58	2.02	-14.69
29	13	-4.41	0.46	1.86e-04	-15.30	0.0	-78.39	7.76	-0.06	0.22	0.46	-11.10
		-11.10	0.24	8.13e-05	0.0	340.0	-78.39	-7.54	-0.06	0.22	0.46	-11.10
29	14	-3.63	1.61	1.81e-04	-15.30	0.0	-86.15	5.07	0.60	-0.52	-0.45	-6.48
		-15.25	-0.45	-2.55e-04	0.0	340.0	-86.15	-10.23	0.60	-0.52	1.61	-15.25
29	15	-3.82	16.96	1.79e-04	-15.30	0.0	-49.35	5.25	2.65	0.16	7.97	-6.86
		-15.03	7.97	-2.72e-04	0.0	340.0	-49.35	-10.05	2.65	0.16	16.96	-15.03
29	16	-4.33	-7.96	1.87e-04	-15.30	0.0	-115.18	7.58	-2.10	-0.47	-7.96	-10.72
		-10.94	-15.11	1.41e-04	0.0	340.0	-115.18	-7.72	-2.10	-0.47	-15.11	-10.94
29	17	-3.22	14.51	1.86e-04	-15.30	0.0	-48.80	4.33	-1.36	-0.91	14.51	-5.28
		-16.56	9.88	-3.86e-04	0.0	340.0	-48.80	-10.97	-1.36	-0.91	9.88	-16.56
29	18	-4.27	-8.03	1.83e-04	-15.30	0.0	-115.74	8.50	1.90	0.60	-14.50	-12.29
		-12.29	-14.50	2.27e-04	0.0	340.0	-115.74	-6.80	1.90	0.60	-8.03	-9.41
29	19	-4.37	2.44	1.85e-04	-15.30	0.0	-89.37	7.85	-0.50	0.28	2.44	-11.22
		-11.22	0.73	1.72e-04	0.0	340.0	-89.37	-7.45	-0.50	0.28	0.73	-10.53
29	20	-3.86	1.95	1.82e-04	-15.30	0.0	-86.96	5.53	0.82	-0.54	-0.85	-7.25
		-14.46	-0.85	-2.71e-04	0.0	340.0	-86.96	-9.77	0.82	-0.54	1.95	-14.46
29	21	-4.36	1.92	1.86e-04	-15.30	0.0	-89.98	8.14	-0.24	0.23	1.92	-11.70
		-11.70	1.10	1.35e-04	0.0	340.0	-89.98	-7.16	-0.24	0.23	1.10	-10.03
29	22	-3.74	1.58	1.81e-04	-15.30	0.0	-86.36	5.24	0.56	-0.48	-0.32	-6.77
		-14.96	-0.32	-2.34e-04	0.0	340.0	-86.36	-10.06	0.56	-0.48	1.58	-14.96
29	23	-4.05	16.09	1.78e-04	-15.30	0.0	-63.95	5.89	2.19	0.18	8.65	-7.91
		-13.89	8.65	-2.04e-04	0.0	340.0	-63.95	-9.41	2.19	0.18	16.09	-13.89
29	24	-4.33	-7.05	1.87e-04	-15.30	0.0	-112.38	7.49	-1.87	-0.43	-7.05	-10.56
		-11.10	-13.41	1.22e-04	0.0	340.0	-112.38	-7.81	-1.87	-0.43	-13.41	-11.10
29	25	-3.65	14.51	1.84e-04	-15.30	0.0	-63.45	5.07	-1.40	-0.78	14.51	-6.49
		-15.26	9.74	-2.91e-04	0.0	340.0	-63.45	-10.23	-1.40	-0.78	9.74	-15.26
29	26	-4.31	-7.06	1.83e-04	-15.30	0.0	-112.88	8.31	1.72	0.52	-12.92	-11.98
		-11.98	-12.92	1.99e-04	0.0	340.0	-112.88	-6.99	1.72	0.52	-7.06	-9.73
30	1	57.07	0.31	-7.99e-04	-216.64	0.0	46.13	94.10	0.21	-0.40	-0.83	-53.57
		-130.59	-0.83	-1.43e-04	0.0	541.5	46.13	-122.54	0.21	-0.40	0.31	-130.59
30	2	87.10	0.82	-1.25e-03	-329.93	0.0	74.21	143.43	0.48	-0.38	-1.80	-81.70
		-198.33	-1.80	-3.02e-04	0.0	541.5	74.21	-186.50	0.48	-0.38	0.82	-198.33
30	3	25.42	-0.04	-3.38e-04	-96.92	0.0	18.21	42.02	-4.13e-03	-0.33	-0.04	-23.90
		-58.77	-0.07	-1.25e-05	0.0	541.5	18.21	-54.90	-4.13e-03	-0.33	-0.07	-58.77
30	4	55.45	0.43	-7.87e-04	-210.22	0.0	46.29	91.35	0.27	-0.30	-1.01	-52.03
		-126.51	-1.01	-1.71e-04	0.0	541.5	46.29	-118.86	0.27	-0.30	0.43	-126.51
30	5	41.44	0.20	-5.78e-04	-157.35	0.0	33.18	68.33	0.14	-0.31	-0.56	-38.90
		-94.90	-0.56	-9.72e-05	0.0	541.5	33.18	-89.01	0.14	-0.31	0.20	-94.90
30	6	61.45	0.53	-8.77e-04	-232.88	0.0	51.90	101.22	0.32	-0.30	-1.20	-57.65
		-140.06	-1.20	-2.03e-04	0.0	541.5	51.90	-131.66	0.32	-0.30	0.53	-140.06
30	7	41.44	0.20	-5.78e-04	-157.35	0.0	33.18	68.33	0.14	-0.31	-0.56	-38.90
		-94.90	-0.56	-9.72e-05	0.0	541.5	33.18	-89.01	0.14	-0.31	0.20	-94.90
30	8	55.45	0.43	-7.87e-04	-210.22	0.0	46.29	91.35	0.27	-0.30	-1.01	-52.03

		-126.51	-1.01	-1.71e-04	0.0	541.5	46.29	-118.86	0.27	-0.30	0.43	-126.51
30	9	41.44	0.20	-5.78e-04	-157.35	0.0	33.18	68.33	0.14	-0.31	-0.56	-38.90
		-94.90	-0.56	-9.72e-05	0.0	541.5	33.18	-89.01	0.14	-0.31	0.20	-94.90
30	10	53.45	0.40	-7.57e-04	-202.67	0.0	44.41	88.07	0.25	-0.30	-0.95	-50.15
		-121.99	-0.95	-1.61e-04	0.0	541.5	44.41	-114.60	0.25	-0.30	0.40	-121.99
30	11	53.88	1.36	-7.48e-04	-202.67	0.0	25.52	90.33	0.87	0.80	-3.32	-55.09
		-114.66	-3.32	-2.61e-04	0.0	541.5	25.52	-112.33	0.87	0.80	1.36	-114.66
30	12	55.14	0.79	-7.51e-04	-202.67	0.0	56.80	84.40	0.33	-0.84	-1.01	-39.77
		-131.47	-1.01	-5.46e-04	0.0	541.5	56.80	-118.27	0.33	-0.84	0.79	-131.47
30	13	52.80	1.43	-7.33e-04	-202.67	0.0	33.96	90.16	0.88	0.72	-3.33	-55.76
		-116.27	-3.33	-3.19e-04	0.0	541.5	33.96	-112.51	0.88	0.72	1.43	-116.27
30	14	56.21	0.72	-7.66e-04	-202.67	0.0	48.36	84.57	0.32	-0.76	-1.00	-39.11
		-129.86	-1.00	-4.89e-04	0.0	541.5	48.36	-118.09	0.32	-0.76	0.72	-129.86
30	15	59.90	30.94	-6.99e-04	-202.67	0.0	30.19	83.65	-8.23	19.73	30.94	-33.23
		-129.00	-13.63	5.43e-03	0.0	541.5	30.19	-119.02	-8.23	19.73	-13.63	-129.00
30	16	49.11	15.79	-8.77e-04	-202.67	0.0	52.12	91.08	9.43	-19.77	-35.27	-61.64
		-117.13	-35.27	-6.24e-03	0.0	541.5	52.12	-111.58	9.43	-19.77	15.79	-117.13
30	17	61.31	21.25	-7.10e-04	-202.67	0.0	27.13	82.48	-5.83	14.33	21.25	-29.06
		-131.13	-10.34	3.43e-03	0.0	541.5	27.13	-120.18	-5.83	14.33	-10.34	-131.13
30	18	47.70	12.50	-8.75e-04	-202.67	0.0	55.18	92.25	7.03	-14.37	-25.59	-65.81
		-115.00	-25.59	-4.24e-03	0.0	541.5	55.18	-110.42	7.03	-14.37	12.50	-115.00
30	19	51.93	0.05	-7.64e-04	-202.67	0.0	33.31	91.35	0.17	0.17	-0.89	-59.46
		-113.50	-0.89	1.85e-04	0.0	541.5	33.31	-111.31	0.17	0.17	0.05	-113.50
30	20	54.96	0.75	-7.51e-04	-202.67	0.0	55.51	84.78	0.32	-0.78	-1.01	-40.85
		-130.49	-1.01	-5.06e-04	0.0	541.5	55.51	-117.89	0.32	-0.78	0.75	-130.49
30	21	50.97	0.11	-7.51e-04	-202.67	0.0	40.88	91.20	0.19	0.10	-0.90	-60.05
		-114.94	-0.90	1.33e-04	0.0	541.5	40.88	-111.47	0.19	0.10	0.11	-114.94
30	22	55.93	0.69	-7.65e-04	-202.67	0.0	47.95	84.93	0.31	-0.71	-1.00	-40.26
		-129.05	-1.00	-4.55e-04	0.0	541.5	47.95	-117.73	0.31	-0.71	0.69	-129.05
30	23	57.33	29.82	-7.16e-04	-202.67	0.0	37.50	85.36	-7.98	17.14	29.82	-39.86
		-126.35	-13.39	5.29e-03	0.0	541.5	37.50	-117.31	-7.98	17.14	-13.39	-126.35
30	24	49.56	14.19	-8.63e-04	-202.67	0.0	51.32	90.77	8.48	-17.75	-31.71	-60.45
		-117.64	-31.71	-5.61e-03	0.0	541.5	51.32	-111.89	8.48	-17.75	14.19	-117.64
30	25	58.60	21.14	-7.25e-04	-202.67	0.0	34.76	84.32	-5.83	12.31	21.14	-36.12
		-128.26	-10.44	3.49e-03	0.0	541.5	34.76	-118.35	-5.83	12.31	-10.44	-128.26
30	26	48.30	11.24	-8.62e-04	-202.67	0.0	54.07	91.81	6.33	-12.91	-23.03	-64.19
		-115.72	-23.03	-3.81e-03	0.0	541.5	54.07	-110.85	6.33	-12.91	11.24	-115.72
31	1	98.89	0.21	-1.08e-03	-264.75	0.0	45.24	136.30	-2.72e-03	-0.41	0.21	-133.10
		-133.10	0.20	-1.12e-04	0.0	661.7	45.24	-128.45	-2.72e-03	-0.41	0.20	-107.11
31	2	151.52	0.59	-1.66e-03	-403.21	0.0	72.67	207.77	-0.04	-0.60	0.59	-202.41
		-202.41	0.35	-1.84e-04	0.0	661.7	72.67	-195.43	-0.04	-0.60	0.35	-161.58
31	3	43.68	0.06	-4.78e-04	-118.45	0.0	17.92	60.87	0.02	-0.20	-0.07	-59.73
		-59.73	-0.07	-4.19e-05	0.0	661.7	17.92	-57.58	0.02	-0.20	0.06	-48.87
31	4	96.31	0.31	-1.06e-03	-256.91	0.0	45.35	132.34	-0.02	-0.39	0.31	-129.04
		-129.04	0.21	-1.14e-04	0.0	661.7	45.35	-124.57	-0.02	-0.39	0.21	-103.34
31	5	71.75	0.14	-7.87e-04	-192.29	0.0	32.55	98.98	6.94e-04	-0.30	0.13	-96.69
		-96.69	0.13	-8.02e-05	0.0	661.7	32.55	-93.31	6.94e-04	-0.30	0.14	-77.92
31	6	106.84	0.39	-1.17e-03	-284.60	0.0	50.84	146.63	-0.02	-0.43	0.39	-142.90
		-142.90	0.24	-1.28e-04	0.0	661.7	50.84	-137.97	-0.02	-0.43	0.24	-114.23
31	7	71.75	0.14	-7.87e-04	-192.29	0.0	32.55	98.98	6.94e-04	-0.30	0.13	-96.69
		-96.69	0.13	-8.02e-05	0.0	661.7	32.55	-93.31	6.94e-04	-0.30	0.14	-77.92
31	8	96.31	0.31	-1.06e-03	-256.91	0.0	45.35	132.34	-0.02	-0.39	0.31	-129.04
		-129.04	0.21	-1.14e-04	0.0	661.7	45.35	-124.57	-0.02	-0.39	0.21	-103.34
31	9	71.75	0.14	-7.87e-04	-192.29	0.0	32.55	98.98	6.94e-04	-0.30	0.13	-96.69
		-96.69	0.13	-8.02e-05	0.0	661.7	32.55	-93.31	6.94e-04	-0.30	0.14	-77.92
31	10	92.80	0.28	-1.02e-03	-247.68	0.0	43.52	127.57	-0.01	-0.38	0.28	-124.42
		-124.42	0.20	-1.09e-04	0.0	661.7	43.52	-120.10	-0.01	-0.38	0.20	-99.71
31	11	90.80	1.22	-1.01e-03	-247.68	0.0	38.57	129.57	2.15e-03	0.15	1.21	-133.04
		-133.04	1.21	9.36e-05	0.0	661.7	38.57	-118.10	2.15e-03	0.15	1.22	-95.09
31	12	93.78	0.46	-9.97e-04	-247.68	0.0	43.21	125.35	-0.07	-1.12	0.46	-116.11
		-116.11	0.01	-4.84e-04	0.0	661.7	43.21	-122.32	-0.07	-1.12	0.01	-106.07
31	13	91.17	1.24	-1.01e-03	-247.68	0.0	39.99	129.03	-0.01	0.02	1.24	-130.87
		-130.87	1.15	-1.07e-04	0.0	661.7	39.99	-118.65	-0.01	0.02	1.15	-96.52
31	14	93.41	0.43	-9.91e-04	-247.68	0.0	41.79	125.90	-0.05	-1.00	0.43	-118.27
		-118.27	0.09	-4.25e-04	0.0	661.7	41.79	-121.78	-0.05	-1.00	0.09	-104.64
31	15	89.45	-9.53	-9.18e-04	-247.68	0.0	33.16	126.95	-0.65	3.67	-9.53	-125.72
		-125.72	-13.84	2.37e-03	0.0	661.7	33.16	-120.72	-0.65	3.67	-13.84	-105.11
31	16	95.13	15.08	-1.09e-03	-247.68	0.0	48.62	127.97	0.59	-4.65	15.08	-123.42
		-123.42	11.20	-2.76e-03	0.0	661.7	48.62	-119.70	0.59	-4.65	11.20	-96.06
31	17	89.75	-7.85	-9.10e-04	-247.68	0.0	32.20	126.77	-8.23e-03	0.94	-7.85	-124.81
		-124.81	-7.90	1.08e-03	0.0	661.7	32.20	-120.91	-8.23e-03	0.94	-7.90	-105.42
31	18	94.83	9.52	-1.10e-03	-247.68	0.0	49.58	128.16	-0.06	-1.92	9.52	-124.33
		-124.33	9.14	-1.45e-03	0.0	661.7	49.58	-119.52	-0.06	-1.92	9.14	-95.74
31	19	91.93	0.37	-1.04e-03	-247.68	0.0	43.80	129.56	0.04	0.29	0.12	-131.87

		-131.87	0.12	2.27e-04	0.0	661.7	43.80	-118.12	0.04	0.29	0.37	-94.01
31	20	93.68	0.45	-9.99e-04	-247.68	0.0	43.24	125.58	-0.06	-1.04	0.45	-116.97
		-116.97	0.03	-4.45e-04	0.0	661.7	43.24	-122.09	-0.06	-1.04	0.03	-105.41
31	21	92.26	0.30	-1.04e-03	-247.68	0.0	45.07	129.07	0.02	0.18	0.15	-129.93
		-129.93	0.15	1.74e-04	0.0	661.7	45.07	-118.60	0.02	0.18	0.30	-95.29
31	22	93.35	0.42	-9.94e-04	-247.68	0.0	41.97	126.07	-0.05	-0.94	0.42	-118.91
		-118.91	0.10	-3.92e-04	0.0	661.7	41.97	-121.60	-0.05	-0.94	0.10	-104.13
31	23	90.72	-9.50	-9.56e-04	-247.68	0.0	38.95	127.21	-0.55	3.45	-9.50	-125.32
		-125.32	-13.14	2.30e-03	0.0	661.7	38.95	-120.46	-0.55	3.45	-13.14	-102.98
31	24	94.89	13.53	-1.08e-03	-247.68	0.0	48.09	127.93	0.52	-4.21	10.07	-123.52
		-123.52	10.07	-2.49e-03	0.0	661.7	48.09	-119.74	0.52	-4.21	13.53	-96.43
31	25	90.99	-7.81	-9.48e-04	-247.68	0.0	38.09	127.05	0.03	1.00	-8.00	-124.50
		-124.50	-8.00	1.13e-03	0.0	661.7	38.09	-120.63	0.03	1.00	-7.81	-103.26
31	26	94.62	8.57	-1.09e-03	-247.68	0.0	48.95	128.10	-0.05	-1.76	8.57	-124.34
		-124.34	8.21	-1.31e-03	0.0	661.7	48.95	-119.58	-0.05	-1.76	8.21	-96.15
32	1	-14.71	0.13	2.45e-04	-132.91	0.0	47.66	83.22	-0.06	-0.39	0.13	-101.26
		-101.26	-0.07	-7.36e-06	0.0	332.2	47.66	-49.69	-0.06	-0.39	-0.07	-45.57
32	2	-18.04	0.28	4.55e-04	-202.42	0.0	76.58	127.94	-0.13	-0.53	0.28	-152.35
		-152.35	-0.15	1.27e-05	0.0	332.2	76.58	-74.48	-0.13	-0.53	-0.15	-63.54
32	3	-9.26	8.05e-03	7.67e-05	-59.47	0.0	18.86	36.49	-4.81e-03	-0.22	8.05e-03	-46.45
		-46.45	-7.92e-03	-1.80e-05	0.0	332.2	18.86	-22.97	-4.81e-03	-0.22	-7.92e-03	-23.99
32	4	-12.60	0.16	2.68e-04	-128.97	0.0	47.79	81.22	-0.07	-0.36	0.16	-97.54
		-97.54	-0.09	2.05e-06	0.0	332.2	47.79	-47.76	-0.07	-0.36	-0.09	-41.97
32	5	-11.04	0.09	1.72e-04	-96.54	0.0	34.29	60.34	-0.04	-0.29	0.09	-73.70
		-73.70	-0.05	-7.30e-06	0.0	332.2	34.29	-36.19	-0.04	-0.29	-0.05	-33.58
32	6	-13.26	0.19	3.11e-04	-142.88	0.0	53.57	90.16	-0.09	-0.38	0.19	-107.76
		-107.76	-0.10	6.06e-06	0.0	332.2	53.57	-52.72	-0.09	-0.38	-0.10	-45.56
32	7	-11.04	0.09	1.72e-04	-96.54	0.0	34.29	60.34	-0.04	-0.29	0.09	-73.70
		-73.70	-0.05	-7.30e-06	0.0	332.2	34.29	-36.19	-0.04	-0.29	-0.05	-33.58
32	8	-12.60	0.16	2.68e-04	-128.97	0.0	47.79	81.22	-0.07	-0.36	0.16	-97.54
		-97.54	-0.09	2.05e-06	0.0	332.2	47.79	-47.76	-0.07	-0.36	-0.09	-41.97
32	9	-11.04	0.09	1.72e-04	-96.54	0.0	34.29	60.34	-0.04	-0.29	0.09	-73.70
		-73.70	-0.05	-7.30e-06	0.0	332.2	34.29	-36.19	-0.04	-0.29	-0.05	-33.58
32	10	-12.37	0.15	2.54e-04	-124.34	0.0	45.86	78.23	-0.07	-0.35	0.15	-94.13
		-94.13	-0.08	0.0	0.0	332.2	45.86	-46.11	-0.07	-0.35	-0.08	-40.77
32	11	-17.10	1.33	1.59e-04	-124.34	0.0	50.84	81.25	-0.38	-0.02	1.33	-105.13
		-105.13	0.05	3.91e-04	0.0	332.2	50.84	-43.09	-0.38	-0.02	0.05	-41.74
32	12	-10.30	-0.18	3.44e-04	-124.34	0.0	36.56	74.12	-0.04	-1.05	-0.18	-83.52
		-83.52	-0.32	-2.32e-04	0.0	332.2	36.56	-50.22	-0.04	-1.05	-0.32	-43.81
32	13	-16.85	1.23	1.64e-04	-124.34	0.0	46.63	80.42	-0.38	-0.12	1.23	-103.14
		-103.14	-0.02	3.44e-04	0.0	332.2	46.63	-43.92	-0.38	-0.12	-0.02	-42.52
32	14	-10.56	-0.08	3.33e-04	-124.34	0.0	40.78	74.96	-0.05	-0.96	-0.08	-85.52
		-85.52	-0.25	-1.85e-04	0.0	332.2	40.78	-49.38	-0.05	-0.96	-0.25	-43.03
32	15	-21.39	-6.62	1.51e-04	-124.34	0.0	38.35	74.53	2.89	-14.81	-16.21	-95.46
		-95.46	-16.21	-3.32e-03	0.0	332.2	38.35	-49.81	2.89	-14.81	-6.62	-54.39
32	16	-6.02	17.36	3.73e-04	-124.34	0.0	49.05	80.84	-3.31	13.73	17.36	-93.19
		-93.19	6.35	3.48e-03	0.0	332.2	49.05	-43.50	-3.31	13.73	6.35	-31.16
32	17	-19.10	-3.25	1.78e-04	-124.34	0.0	39.65	74.22	2.00	-11.27	-9.88	-92.53
		-92.53	-9.88	-2.42e-03	0.0	332.2	39.65	-50.12	2.00	-11.27	-3.25	-52.50
32	18	-8.30	11.03	3.13e-04	-124.34	0.0	47.76	81.15	-2.42	10.20	11.03	-96.12
		-96.12	2.98	2.57e-03	0.0	332.2	47.76	-43.19	-2.42	10.20	2.98	-33.05
32	19	-14.17	0.45	1.88e-04	-124.34	0.0	54.19	81.92	-0.10	0.29	0.45	-103.65
		-103.65	0.13	2.09e-04	0.0	332.2	54.19	-42.42	-0.10	0.29	0.13	-38.04
32	20	-10.51	-0.15	3.35e-04	-124.34	0.0	37.52	74.55	-0.04	-0.98	-0.15	-84.62
		-84.62	-0.29	-2.08e-04	0.0	332.2	37.52	-49.79	-0.04	-0.98	-0.29	-43.50
32	21	-14.00	0.36	1.95e-04	-124.34	0.0	50.41	81.17	-0.09	0.20	0.36	-101.86
		-101.86	0.07	1.67e-04	0.0	332.2	50.41	-43.17	-0.09	0.20	0.07	-38.74
32	22	-10.74	-0.06	3.25e-04	-124.34	0.0	41.30	75.30	-0.05	-0.89	-0.06	-86.41
		-86.41	-0.23	-1.66e-04	0.0	332.2	41.30	-49.04	-0.05	-0.89	-0.23	-42.80
32	23	-18.07	-5.84	1.80e-04	-124.34	0.0	42.99	75.89	2.84	-12.96	-15.28	-94.98
		-94.98	-15.28	-3.11e-03	0.0	332.2	42.99	-48.45	2.84	-12.96	-5.84	-49.38
32	24	-6.67	15.57	3.60e-04	-124.34	0.0	48.72	80.57	-2.98	12.27	15.57	-93.29
		-93.29	5.68	3.12e-03	0.0	332.2	48.72	-43.77	-2.98	12.27	5.68	-32.15
32	25	-16.03	-2.82	2.13e-04	-124.34	0.0	44.16	75.62	2.04	-9.80	-9.60	-92.35
		-92.35	-9.60	-2.31e-03	0.0	332.2	44.16	-48.72	2.04	-9.80	-2.82	-47.68
32	26	-8.72	9.90	3.07e-04	-124.34	0.0	47.56	80.85	-2.18	9.10	9.90	-95.92
		-95.92	2.66	2.31e-03	0.0	332.2	47.56	-43.49	-2.18	9.10	2.66	-33.85
33	1	39.70	-0.20	-1.69e-04	-145.30	0.0	49.57	79.96	-0.08	-0.34	-0.20	-43.75
		-43.75	-0.53	-6.25e-05	0.0	428.5	49.57	-65.34	-0.08	-0.34	-0.53	-28.56
33	2	59.06	-0.30	4.18e-04	-218.23	0.0	80.30	117.59	-0.23	-0.52	-0.30	-59.52
		-59.52	-1.28	-9.32e-05	0.0	428.5	80.30	-100.64	-0.23	-0.52	-1.28	-49.67
33	3	18.84	0.05	-1.72e-04	-66.89	0.0	19.22	38.35	0.03	-0.15	-0.05	-23.95
		-23.95	-0.09	-2.92e-05	0.0	428.5	19.22	-28.54	0.03	-0.15	0.05	-8.99
33	4	37.98	-0.19	1.99e-04	-139.82	0.0	49.95	75.98	-0.12	-0.33	-0.19	-39.72

		-39.72	-0.70	-5.99e-05	0.0	428.5	49.95	-63.84	-0.12	-0.33	-0.70	-30.09
33	5	28.95	-0.14	-1.34e-04	-105.79	0.0	35.61	58.42	-0.05	-0.24	-0.14	-32.36
		-32.36	-0.35	-4.56e-05	0.0	428.5	35.61	-47.37	-0.05	-0.24	-0.35	-20.24
33	6	41.86	-0.21	2.63e-04	-154.41	0.0	56.10	83.51	-0.15	-0.37	-0.21	-42.88
		-42.88	-0.85	-6.60e-05	0.0	428.5	56.10	-70.90	-0.15	-0.37	-0.85	-34.31
33	7	28.95	-0.14	-1.34e-04	-105.79	0.0	35.61	58.42	-0.05	-0.24	-0.14	-32.36
		-32.36	-0.35	-4.56e-05	0.0	428.5	35.61	-47.37	-0.05	-0.24	-0.35	-20.24
33	8	37.98	-0.19	1.99e-04	-139.82	0.0	49.95	75.98	-0.12	-0.33	-0.19	-39.72
		-39.72	-0.70	-5.99e-05	0.0	428.5	49.95	-63.84	-0.12	-0.33	-0.70	-30.09
33	9	28.95	-0.14	-1.34e-04	-105.79	0.0	35.61	58.42	-0.05	-0.24	-0.14	-32.36
		-32.36	-0.35	-4.56e-05	0.0	428.5	35.61	-47.37	-0.05	-0.24	-0.35	-20.24
33	10	36.69	-0.19	1.78e-04	-134.96	0.0	47.90	73.47	-0.11	-0.32	-0.19	-38.67
		-38.67	-0.65	-5.78e-05	0.0	428.5	47.90	-61.49	-0.11	-0.32	-0.65	-28.68
33	11	42.34	-0.01	-3.42e-04	-134.96	0.0	57.23	83.00	-0.84	-0.36	-0.01	-55.07
		-55.07	-3.60	3.53e-04	0.0	428.5	57.23	-51.96	-0.84	-0.36	-3.60	-4.27
33	12	32.62	-0.54	3.62e-04	-134.96	0.0	34.79	64.92	-0.14	-1.20	-0.54	-25.54
		-52.21	-1.16	-4.68e-04	0.0	428.5	34.79	-70.04	-0.14	-1.20	-1.16	-52.21
33	13	42.78	-0.10	-3.15e-04	-134.96	0.0	49.26	82.29	-0.80	-0.44	-0.10	-52.93
		-52.93	-3.54	2.83e-04	0.0	428.5	49.26	-52.67	-0.80	-0.44	-3.54	-5.15
33	14	31.79	-0.46	3.13e-04	-134.96	0.0	42.77	65.62	-0.18	-1.13	-0.46	-27.68
		-51.34	-1.22	-3.92e-04	0.0	428.5	42.77	-69.34	-0.18	-1.13	-1.22	-51.34
33	15	34.15	26.64	-4.49e-04	-134.96	0.0	41.87	77.61	9.11	-23.98	-12.40	-50.28
		-50.28	-12.40	-5.72e-03	0.0	428.5	41.87	-57.35	9.11	-23.98	26.64	-22.54
33	16	38.36	11.84	5.93e-04	-134.96	0.0	50.16	70.30	-10.09	22.41	11.84	-30.33
		-33.94	-31.39	5.61e-03	0.0	428.5	50.16	-64.66	-10.09	22.41	-31.39	-33.94
33	17	30.89	14.96	-3.33e-04	-134.96	0.0	45.80	73.51	5.19	-16.92	-7.30	-44.55
		-44.55	-7.30	-3.97e-03	0.0	428.5	45.80	-61.45	5.19	-16.92	14.96	-34.41
33	18	41.30	6.74	4.66e-04	-134.96	0.0	46.23	74.41	-6.17	15.35	6.74	-36.06
		-36.06	-19.72	3.85e-03	0.0	428.5	46.23	-60.55	-6.17	15.35	-19.72	-22.07
33	19	42.50	0.13	-2.27e-04	-134.96	0.0	59.65	81.14	-0.08	0.48	0.13	-50.44
		-50.44	-0.19	3.10e-04	0.0	428.5	59.65	-53.82	-0.08	0.48	-0.19	-7.59
33	20	32.92	-0.51	3.43e-04	-134.96	0.0	36.15	65.80	-0.14	-1.11	-0.51	-26.90
		-49.77	-1.11	-4.26e-04	0.0	428.5	36.15	-69.16	-0.14	-1.11	-1.11	-49.77
33	21	42.90	0.06	-2.09e-04	-134.96	0.0	52.51	80.51	-0.05	0.40	0.06	-48.51
		-48.51	-0.14	2.42e-04	0.0	428.5	52.51	-54.45	-0.05	0.40	-0.14	-8.37
33	22	32.18	-0.43	2.99e-04	-134.96	0.0	43.30	66.43	-0.17	-1.04	-0.43	-28.82
		-48.99	-1.16	-3.57e-04	0.0	428.5	43.30	-68.52	-0.17	-1.04	-1.16	-48.99
33	23	35.31	26.91	-3.01e-04	-134.96	0.0	45.88	76.32	8.84	-20.69	-10.97	-46.14
		-46.14	-10.97	-5.13e-03	0.0	428.5	45.88	-58.64	8.84	-20.69	26.91	-23.97
33	24	38.17	10.60	5.50e-04	-134.96	0.0	49.92	70.63	-9.06	20.05	10.60	-31.19
		-33.40	-28.20	5.02e-03	0.0	428.5	49.92	-64.33	-9.06	20.05	-28.20	-33.40
33	25	32.56	16.44	-2.14e-04	-134.96	0.0	49.40	72.63	5.33	-14.36	-6.40	-41.01
		-41.01	-6.40	-3.56e-03	0.0	428.5	49.40	-62.32	5.33	-14.36	16.44	-34.61
33	26	40.83	6.02	4.36e-04	-134.96	0.0	46.40	74.31	-5.55	13.73	6.02	-36.33
		-36.33	-17.74	3.45e-03	0.0	428.5	46.40	-60.65	-5.55	13.73	-17.74	-22.76
34	1	0.21	0.87	-9.05e-05	-3.73	0.0	6.61	0.37	6.95	1.53	-1.61	-0.24
		-0.56	-1.61	-2.80e-05	0.0	127.6	6.61	-3.37	6.95	1.53	0.87	-0.56
34	2	-0.03	0.68	-9.60e-05	-3.73	0.0	10.18	0.30	16.13	3.25	-3.86	-0.37
		-0.96	-3.86	-5.22e-05	0.0	127.6	10.18	-3.43	16.13	3.25	0.68	-0.96
34	3	0.31	0.78	-6.62e-05	-2.87	0.0	2.89	0.32	-0.30	0.11	0.15	-0.10
		-0.19	0.15	-8.63e-06	0.0	127.6	2.89	-2.55	-0.30	0.11	0.78	-0.19
34	4	0.07	0.60	-7.17e-05	-2.87	0.0	6.46	0.26	8.88	1.84	-2.10	-0.23
		-0.58	-2.10	-3.09e-05	0.0	127.6	6.46	-2.61	8.88	1.84	0.60	-0.58
34	5	0.18	0.68	-6.91e-05	-2.87	0.0	4.79	0.29	4.59	1.03	-1.05	-0.17
		-0.40	-1.05	-1.96e-05	0.0	127.6	4.79	-2.58	4.59	1.03	0.68	-0.40
34	6	0.02	0.56	-7.28e-05	-2.87	0.0	7.17	0.24	10.72	2.18	-2.55	-0.26
		-0.66	-2.55	-3.57e-05	0.0	127.6	7.17	-2.63	10.72	2.18	0.56	-0.66
34	7	0.18	0.68	-6.91e-05	-2.87	0.0	4.79	0.29	4.59	1.03	-1.05	-0.17
		-0.40	-1.05	-1.96e-05	0.0	127.6	4.79	-2.58	4.59	1.03	0.68	-0.40
34	8	0.07	0.60	-7.17e-05	-2.87	0.0	6.46	0.26	8.88	1.84	-2.10	-0.23
		-0.58	-2.10	-3.09e-05	0.0	127.6	6.46	-2.61	8.88	1.84	0.60	-0.58
34	9	0.18	0.68	-6.91e-05	-2.87	0.0	4.79	0.29	4.59	1.03	-1.05	-0.17
		-0.40	-1.05	-1.96e-05	0.0	127.6	4.79	-2.58	4.59	1.03	0.68	-0.40
34	10	0.08	0.61	-7.13e-05	-2.87	0.0	6.22	0.26	8.27	1.72	-1.95	-0.22
		-0.56	-1.95	-2.93e-05	0.0	127.6	6.22	-2.61	8.27	1.72	0.61	-0.56
34	11	-1.25	4.22	1.98e-04	-2.87	0.0	16.36	4.32	-23.10	-4.56	3.67	-1.85
		-1.85	3.67	-1.06e-04	0.0	127.6	16.36	1.45	-23.10	-4.56	4.22	-1.85
34	12	0.77	-2.41	-3.05e-04	-2.87	0.0	-2.42	-1.57	40.18	7.49	-9.20	0.52
		0.04	-9.20	-1.09e-04	0.0	127.6	-2.42	-4.44	40.18	7.49	-2.41	0.04
34	13	-1.13	3.85	1.69e-04	-2.87	0.0	15.10	3.98	-18.88	-3.76	2.78	-1.71
		-1.71	2.78	-1.15e-04	0.0	127.6	15.10	1.11	-18.88	-3.76	3.85	-1.71
34	14	0.64	-2.05	-2.76e-04	-2.87	0.0	-1.16	-1.23	35.96	6.70	-8.31	0.38
		-0.07	-8.31	-9.68e-05	0.0	127.6	-1.16	-4.10	35.96	6.70	-2.05	-0.07
34	15	-3.11	12.30	8.51e-05	-2.87	0.0	-9.04	22.86	-11.74	-1.30	12.30	-9.31

		-9.31	5.37	-5.15e-04	0.0	127.6	-9.04	19.99	-11.74	-1.30	5.37	-3.11
34	16	7.98	-3.56	-1.66e-04	-2.87	0.0	22.98	-20.11	28.81	4.23	-17.83	7.98
		1.57	-17.83	3.04e-04	0.0	127.6	22.98	-22.98	28.81	4.23	-3.56	1.57
34	17	-2.35	4.07	-3.87e-05	-2.87	0.0	-5.69	16.23	5.63	1.32	4.07	-6.64
		-6.64	2.85	-4.68e-04	0.0	127.6	-5.69	13.36	5.63	1.32	2.85	-2.35
34	18	5.32	-1.04	-7.26e-05	-2.87	0.0	19.63	-13.49	11.44	1.62	-9.60	5.32
		0.81	-9.60	2.57e-04	0.0	127.6	19.63	-16.36	11.44	1.62	-1.04	0.81
34	19	-0.53	4.55	1.38e-04	-2.87	0.0	13.96	1.91	-20.34	-3.45	4.55	-0.89
		-1.09	3.32	4.21e-05	0.0	127.6	13.96	-0.97	-20.34	-3.45	3.32	-1.09
34	20	0.70	-2.10	-2.81e-04	-2.87	0.0	-1.52	-1.38	36.87	6.90	-8.45	0.44
		-0.02	-8.45	-1.01e-04	0.0	127.6	-1.52	-4.25	36.87	6.90	-2.10	-0.02
34	21	-0.42	3.75	1.12e-04	-2.87	0.0	12.84	1.60	-16.56	-2.74	3.75	-0.76
		-1.00	2.99	3.13e-05	0.0	127.6	12.84	-1.27	-16.56	-2.74	2.99	-1.00
34	22	0.58	-1.77	-2.54e-04	-2.87	0.0	-0.39	-1.08	33.09	6.18	-7.65	0.32
		-0.12	-7.65	-8.98e-05	0.0	127.6	-0.39	-3.95	33.09	6.18	-1.77	-0.12
34	23	-2.47	12.28	4.94e-05	-2.87	0.0	-8.80	18.52	-10.15	-0.52	12.28	-7.57
		-7.57	4.35	-3.28e-04	0.0	127.6	-8.80	15.65	-10.15	-0.52	4.35	-2.47
34	24	7.13	-3.13	-1.56e-04	-2.87	0.0	21.24	-18.00	26.68	3.97	-16.18	7.13
		1.35	-16.18	2.70e-04	0.0	127.6	21.24	-20.87	26.68	3.97	-3.13	1.35
34	25	-1.79	4.90	-7.42e-05	-2.87	0.0	-5.80	12.58	5.42	1.82	4.90	-1.79
		-5.19	2.09	-2.86e-04	0.0	127.6	-5.80	9.71	5.42	1.82	2.09	-1.79
34	26	4.74	-0.87	-7.08e-05	-2.87	0.0	18.24	-12.06	11.11	1.63	-8.81	4.74
		0.67	-8.81	2.27e-04	0.0	127.6	18.24	-14.93	11.11	1.63	-0.87	0.67
35	1	3.54	8.49e-03	-3.63e-05	-43.15	0.0	-4.76	17.37	-0.48	-0.37	-0.53	-2.78
		-2.78	-0.53	-2.17e-05	0.0	111.2	-4.76	-25.79	-0.48	-0.37	8.49e-03	-2.78
35	2	5.51	0.10	-4.13e-05	-68.69	0.0	-9.17	28.15	0.02	-0.51	-1.13	-4.47
		-4.47	-1.13	-3.87e-05	0.0	111.2	-9.17	-40.54	0.02	-0.51	0.10	-3.60
35	3	1.50	-0.04	-2.70e-05	-17.48	0.0	-0.95	6.72	-0.67	-0.20	-0.04	-1.10
		-1.10	-0.05	-6.15e-06	0.0	111.2	-0.95	-10.76	-0.67	-0.20	-0.05	-0.75
35	4	3.48	0.04	-2.98e-05	-43.02	0.0	-5.36	17.51	-0.18	-0.34	-0.64	-2.79
		-2.79	-0.64	-2.32e-05	0.0	111.2	-5.36	-25.51	-0.18	-0.34	0.04	-2.21
35	5	2.56	-7.72e-04	-2.76e-05	-31.10	0.0	-3.30	12.47	-0.41	-0.28	-0.36	-2.00
		-2.00	-0.36	-1.53e-05	0.0	111.2	-3.30	-18.63	-0.41	-0.28	-7.72e-04	-1.53
35	6	3.88	0.06	-3.08e-05	-48.12	0.0	-6.24	19.66	-0.08	-0.37	-0.76	-3.13
		-3.13	-0.76	-2.66e-05	0.0	111.2	-6.24	-28.46	-0.08	-0.37	0.06	-2.50
35	7	2.56	-7.72e-04	-2.76e-05	-31.10	0.0	-3.30	12.47	-0.41	-0.28	-0.36	-2.00
		-2.00	-0.36	-1.53e-05	0.0	111.2	-3.30	-18.63	-0.41	-0.28	-7.72e-04	-1.53
35	8	3.48	0.04	-2.98e-05	-43.02	0.0	-5.36	17.51	-0.18	-0.34	-0.64	-2.79
		-2.79	-0.64	-2.32e-05	0.0	111.2	-5.36	-25.51	-0.18	-0.34	0.04	-2.21
35	9	2.56	-7.72e-04	-2.76e-05	-31.10	0.0	-3.30	12.47	-0.41	-0.28	-0.36	-2.00
		-2.00	-0.36	-1.53e-05	0.0	111.2	-3.30	-18.63	-0.41	-0.28	-7.72e-04	-1.53
35	10	3.35	0.03	-2.94e-05	-41.31	0.0	-5.06	16.79	-0.21	-0.33	-0.60	-2.68
		-2.68	-0.60	-2.21e-05	0.0	111.2	-5.06	-24.53	-0.21	-0.33	0.03	-2.11
35	11	4.02	0.09	2.27e-04	-41.31	0.0	-9.32	14.74	0.01	-0.29	-0.47	-1.86
		-1.86	-0.47	1.70e-05	0.0	111.2	-9.32	-26.57	0.01	-0.29	0.09	-1.59
35	12	2.88	0.08	-2.65e-04	-41.31	0.0	-4.99	18.36	-0.24	-0.30	-0.68	-3.24
		-3.24	-0.68	-9.72e-05	0.0	111.2	-4.99	-22.96	-0.24	-0.30	0.08	-2.49
35	13	3.95	0.08	2.02e-04	-41.31	0.0	-8.95	14.92	-0.05	-0.30	-0.49	-1.94
		-1.94	-0.49	4.25e-06	0.0	111.2	-8.95	-26.39	-0.05	-0.30	0.08	-1.64
35	14	2.94	0.10	-2.40e-04	-41.31	0.0	-5.36	18.18	-0.18	-0.29	-0.66	-3.16
		-3.16	-0.66	-8.45e-05	0.0	111.2	-5.36	-23.14	-0.18	-0.29	0.10	-2.44
35	15	3.92	-1.25	-3.41e-05	-41.31	0.0	-14.45	15.01	3.82	9.73e-04	-4.51	-1.88
		-1.88	-4.51	-8.36e-05	0.0	111.2	-14.45	-26.30	3.82	9.73e-04	-1.25	-1.77
35	16	2.98	3.36	-3.26e-05	-41.31	0.0	0.13	18.09	-4.04	-0.59	3.36	-3.22
		-3.22	1.42	-1.53e-05	0.0	111.2	0.13	-23.23	-4.04	-0.59	1.42	-2.31
35	17	3.75	-0.71	-9.83e-05	-41.31	0.0	-13.93	15.59	2.44	-0.17	-3.32	-2.09
		-2.09	-3.32	-1.36e-04	0.0	111.2	-13.93	-25.72	2.44	-0.17	-0.71	-1.90
35	18	3.14	2.18	6.03e-05	-41.31	0.0	-0.39	17.50	-2.67	-0.43	2.18	-3.01
		-3.01	0.88	5.54e-05	0.0	111.2	-0.39	-23.81	-2.67	-0.43	0.88	-2.19
35	19	3.77	-7.92e-03	2.12e-04	-41.31	0.0	-5.13	15.38	-0.18	-0.35	-0.52	-2.18
		-2.18	-0.52	4.53e-05	0.0	111.2	-5.13	-25.93	-0.18	-0.35	-7.92e-03	-1.77
35	20	2.93	0.08	-2.39e-04	-41.31	0.0	-5.00	18.19	-0.23	-0.31	-0.67	-3.18
		-3.18	-0.67	-8.94e-05	0.0	111.2	-5.00	-23.12	-0.23	-0.31	0.08	-2.45
35	21	3.72	-0.02	1.90e-04	-41.31	0.0	-4.80	15.54	-0.24	-0.37	-0.54	-2.24
		-2.24	-0.54	3.38e-05	0.0	111.2	-4.80	-25.77	-0.24	-0.37	-0.02	-1.81
35	22	2.98	0.09	-2.16e-04	-41.31	0.0	-5.33	18.03	-0.18	-0.29	-0.66	-3.11
		-3.11	-0.66	-7.80e-05	0.0	111.2	-5.33	-23.28	-0.18	-0.29	0.09	-2.41
35	23	3.68	-1.20	-2.70e-05	-41.31	0.0	-9.72	15.62	3.22	-0.09	-4.15	-2.19
		-2.19	-4.15	-4.49e-05	0.0	111.2	-9.72	-25.69	3.22	-0.09	-1.20	-1.93
35	24	3.02	2.95	-3.22e-05	-41.31	0.0	-0.41	17.95	-3.64	-0.57	2.95	-3.16
		-3.16	1.27	-1.45e-05	0.0	111.2	-0.41	-23.36	-3.64	-0.57	1.27	-2.29
35	25	3.53	-0.72	-7.96e-05	-41.31	0.0	-9.26	16.15	1.99	-0.24	-3.08	-2.38
		-2.38	-3.08	-9.15e-05	0.0	111.2	-9.26	-25.17	1.99	-0.24	-0.72	-2.04
35	26	3.16	1.89	5.27e-05	-41.31	0.0	-0.87	17.43	-2.41	-0.42	1.89	-2.98

		-2.98	0.79	4.74e-05	0.0	111.2	-0.87	-23.88	-2.41	-0.42	0.79	-2.18
36	1	0.77	7.84	1.12e-05	-38.38	0.0	-18.84	27.19	-28.53	-4.92	7.84	-7.33
		-7.33	2.33	-6.10e-05	0.0	120.5	-18.84	-11.19	-28.53	-4.92	2.33	-3.02
36	2	0.26	14.95	1.14e-05	-60.68	0.0	-36.97	47.85	-53.68	-9.14	14.95	-13.38
		-13.38	4.65	-1.14e-04	0.0	120.5	-36.97	-12.84	-53.68	-9.14	4.65	-5.19
36	3	0.94	1.66	1.26e-05	-15.80	0.0	-3.33	8.20	-6.47	-1.18	1.66	-1.91
		-1.91	0.37	-1.43e-05	0.0	120.5	-3.33	-7.60	-6.47	-1.18	0.37	-0.99
36	4	0.39	8.76	6.12e-06	-38.10	0.0	-21.46	28.86	-31.62	-5.41	8.76	-7.97
		-7.97	2.69	-6.73e-05	0.0	120.5	-21.46	-9.24	-31.62	-5.41	2.69	-3.16
36	5	0.64	5.45	9.15e-06	-27.69	0.0	-13.00	19.22	-19.88	-3.43	5.45	-5.14
		-5.14	1.60	-4.25e-05	0.0	120.5	-13.00	-8.47	-19.88	-3.43	1.60	-2.14
36	6	0.29	10.19	7.50e-06	-42.56	0.0	-25.09	32.99	-36.65	-6.25	10.19	-9.18
		-9.18	3.15	-7.80e-05	0.0	120.5	-25.09	-9.57	-36.65	-6.25	3.15	-3.59
36	7	0.64	5.45	9.15e-06	-27.69	0.0	-13.00	19.22	-19.88	-3.43	5.45	-5.14
		-5.14	1.60	-4.25e-05	0.0	120.5	-13.00	-8.47	-19.88	-3.43	1.60	-2.14
36	8	0.39	8.76	6.12e-06	-38.10	0.0	-21.46	28.86	-31.62	-5.41	8.76	-7.97
		-7.97	2.69	-6.73e-05	0.0	120.5	-21.46	-9.24	-31.62	-5.41	2.69	-3.16
36	9	0.64	5.45	9.15e-06	-27.69	0.0	-13.00	19.22	-19.88	-3.43	5.45	-5.14
		-5.14	1.60	-4.25e-05	0.0	120.5	-13.00	-8.47	-19.88	-3.43	1.60	-2.14
36	10	0.42	8.29	6.54e-06	-36.61	0.0	-20.25	27.48	-29.94	-5.12	8.29	-7.56
		-7.56	2.53	-6.38e-05	0.0	120.5	-20.25	-9.13	-29.94	-5.12	2.53	-3.01
36	11	2.60	6.38	-4.29e-05	-36.61	0.0	-13.02	17.75	-17.08	-2.42	6.38	-3.81
		-3.81	1.45	2.91e-05	0.0	120.5	-13.02	-18.86	-17.08	-2.42	1.45	-2.05
36	12	-1.43	12.02	3.10e-05	-36.61	0.0	-29.65	37.12	-45.63	-8.05	12.02	-11.20
		-11.20	3.67	-1.41e-04	0.0	120.5	-29.65	0.51	-45.63	-8.05	3.67	-3.83
36	13	2.48	6.80	-3.97e-05	-36.61	0.0	-12.82	18.22	-18.12	-2.57	6.80	-4.00
		-4.00	1.59	-2.96e-05	0.0	120.5	-12.82	-18.39	-18.12	-2.57	1.59	-2.11
36	14	-1.33	11.60	2.81e-05	-36.61	0.0	-29.86	36.65	-44.59	-7.89	11.60	-11.01
		-11.01	3.53	-1.27e-04	0.0	120.5	-29.86	0.03	-44.59	-7.89	3.53	-3.77
36	15	3.84	36.32	-9.07e-05	-36.61	0.0	-7.28	12.84	-68.26	-9.02	36.32	-1.76
		-1.76	8.79	-3.47e-04	0.0	120.5	-7.28	-23.78	-68.26	-9.02	8.79	-1.59
36	16	-2.39	-3.67	7.68e-05	-36.61	0.0	-35.39	42.03	5.54	-1.44	-17.92	-13.25
		-13.25	-17.92	2.01e-04	0.0	120.5	-35.39	5.42	5.54	-1.44	-3.67	-4.29
36	17	2.55	29.24	-7.80e-05	-36.61	0.0	-12.93	18.46	-61.56	-8.68	29.24	-3.91
		-3.91	7.16	-3.14e-04	0.0	120.5	-12.93	-18.15	-61.56	-8.68	7.16	-2.05
36	18	-1.40	-2.03	6.28e-05	-36.61	0.0	-29.74	36.41	-1.15	-1.79	-10.84	-11.09
		-11.09	-10.84	1.83e-04	0.0	120.5	-29.74	-0.21	-1.15	-1.79	-2.03	-3.83
36	19	2.25	4.94	-2.10e-05	-36.61	0.0	-11.83	18.84	-15.88	-2.50	4.94	-4.30
		-4.30	1.51	4.57e-05	0.0	120.5	-11.83	-17.77	-15.88	-2.50	1.51	-2.28
36	20	-1.26	11.64	2.81e-05	-36.61	0.0	-28.68	36.12	-44.01	-7.74	11.64	-10.82
		-10.82	3.55	-1.33e-04	0.0	120.5	-28.68	-0.49	-44.01	-7.74	3.55	-3.75
36	21	2.15	5.33	-1.83e-05	-36.61	0.0	-11.65	19.27	-16.81	-2.65	5.33	-4.47
		-4.47	1.63	3.07e-05	0.0	120.5	-11.65	-17.35	-16.81	-2.65	1.63	-2.33
36	22	-1.16	11.25	2.56e-05	-36.61	0.0	-28.86	35.70	-43.07	-7.60	11.25	-10.65
		-10.65	3.43	-1.21e-04	0.0	120.5	-28.86	-0.92	-43.07	-7.60	3.43	-3.69
36	23	3.35	31.79	-5.92e-05	-36.61	0.0	-6.68	14.44	-61.75	-8.42	31.79	-2.46
		-2.46	8.09	-2.96e-04	0.0	120.5	-6.68	-22.18	-61.75	-8.42	8.09	-1.86
36	24	-2.12	-3.02	6.95e-05	-36.61	0.0	-33.82	40.53	1.86	-1.82	-15.20	-12.66
		-12.66	-15.20	1.74e-04	0.0	120.5	-33.82	3.91	1.86	-1.82	-3.02	-4.16
36	25	2.21	25.44	-4.43e-05	-36.61	0.0	-11.75	19.48	-55.75	-8.11	25.44	-4.40
		-4.40	6.62	-2.67e-04	0.0	120.5	-11.75	-17.13	-55.75	-8.11	6.62	-2.28
36	26	-1.22	-1.56	5.70e-05	-36.61	0.0	-28.76	35.48	-4.14	-2.13	-8.85	-10.73
		-10.73	-8.85	1.61e-04	0.0	120.5	-28.76	-1.13	-4.14	-2.13	-1.56	-3.75
37	1	2.31	-0.02	-3.45e-05	-20.98	0.0	-2.41	9.04	0.01	-0.02	-0.02	-2.21
		-2.21	-0.17	7.69e-06	0.0	162.1	-2.41	-11.94	0.01	-0.02	-0.17	-1.68
37	2	3.12	0.32	-5.98e-05	-31.38	0.0	-2.34	14.23	-0.55	-0.10	0.32	-3.56
		-3.56	-0.15	1.91e-05	0.0	162.1	-2.34	-17.15	-0.55	-0.10	-0.15	-2.91
37	3	1.27	-0.14	-1.19e-05	-9.74	0.0	-1.89	3.76	0.36	0.04	-0.23	-0.87
		-0.87	-0.23	2.24e-06	0.0	162.1	-1.89	-5.98	0.36	0.04	-0.14	-0.53
37	4	2.09	0.11	-3.61e-05	-20.14	0.0	-1.83	8.95	-0.21	-0.05	0.11	-2.22
		-2.22	-0.12	1.03e-05	0.0	162.1	-1.83	-11.19	-0.21	-0.05	-0.12	-1.76
37	5	1.71	-0.05	-2.45e-05	-15.29	0.0	-1.86	6.53	0.06	-8.63e-03	-0.05	-1.59
		-1.59	-0.13	5.02e-06	0.0	162.1	-1.86	-8.76	0.06	-8.63e-03	-0.13	-1.19
37	6	2.25	0.18	-4.12e-05	-22.22	0.0	-1.81	9.99	-0.32	-0.06	0.18	-2.49
		-2.49	-0.12	1.26e-05	0.0	162.1	-1.81	-12.23	-0.32	-0.06	-0.12	-2.01
37	7	1.71	-0.05	-2.45e-05	-15.29	0.0	-1.86	6.53	0.06	-8.63e-03	-0.05	-1.59
		-1.59	-0.13	5.02e-06	0.0	162.1	-1.86	-8.76	0.06	-8.63e-03	-0.13	-1.19
37	8	2.09	0.11	-3.61e-05	-20.14	0.0	-1.83	8.95	-0.21	-0.05	0.11	-2.22
		-2.22	-0.12	1.03e-05	0.0	162.1	-1.83	-11.19	-0.21	-0.05	-0.12	-1.76
37	9	1.71	-0.05	-2.45e-05	-15.29	0.0	-1.86	6.53	0.06	-8.63e-03	-0.05	-1.59
		-1.59	-0.13	5.02e-06	0.0	162.1	-1.86	-8.76	0.06	-8.63e-03	-0.13	-1.19
37	10	2.03	0.09	-3.45e-05	-19.44	0.0	-1.83	8.60	-0.17	-0.04	0.09	-2.13
		-2.13	-0.12	9.53e-06	0.0	162.1	-1.83	-10.84	-0.17	-0.04	-0.12	-1.68
37	11	2.94	8.51	-9.38e-05	-19.44	0.0	-6.59	6.04	-4.68	0.18	8.51	-0.95

		-1.04	2.31	1.23e-04	0.0	162.1	-6.59	-13.41	-4.68	0.18	2.31	-1.04
37	12	2.21	-0.37	-1.98e-05	-19.44	0.0	-0.05	8.02	-1.04	-0.46	-0.37	-1.81
		-1.81	-0.59	-1.39e-04	0.0	162.1	-0.05	-11.42	-1.04	-0.46	-0.59	-1.66
37	13	2.90	8.59	-8.90e-05	-19.44	0.0	-5.74	6.13	-4.56	0.24	8.59	-1.01
		-1.08	2.16	1.25e-04	0.0	162.1	-5.74	-13.32	-4.56	0.24	2.16	-1.08
37	14	2.25	-0.44	-2.30e-05	-19.44	0.0	-0.90	7.93	-1.15	-0.52	-0.45	-1.75
		-1.75	-0.45	-1.40e-04	0.0	162.1	-0.90	-11.51	-1.15	-0.52	-0.44	-1.62
37	15	4.96	12.72	-1.57e-04	-19.44	0.0	-17.20	0.81	-8.86	-0.33	12.72	1.74
		0.18	3.27	-1.04e-04	0.0	162.1	-17.20	-18.63	-8.86	-0.33	3.27	0.18
37	16	0.27	-1.55	7.13e-05	-19.44	0.0	10.56	13.24	3.14	0.05	-4.58	-4.51
		-4.51	-4.58	-5.23e-05	0.0	162.1	10.56	-6.20	3.14	0.05	-1.55	-2.88
37	17	4.79	11.58	-1.42e-04	-19.44	0.0	-15.39	1.17	-8.71	-0.49	11.58	1.56
		0.05	2.74	-1.41e-04	0.0	162.1	-15.39	-18.27	-8.71	-0.49	2.74	0.05
37	18	0.42	-1.03	5.33e-05	-19.44	0.0	8.75	12.88	3.00	0.20	-3.44	-4.33
		-4.33	-3.44	6.26e-05	0.0	162.1	8.75	-6.56	3.00	0.20	-1.03	-2.75
37	19	1.88	0.50	-5.21e-05	-19.44	0.0	-3.42	9.13	0.61	0.33	0.50	-2.42
		-2.42	0.30	1.43e-04	0.0	162.1	-3.42	-10.32	0.61	0.33	0.30	-1.70
37	20	2.19	-0.32	-2.11e-05	-19.44	0.0	-0.24	8.08	-0.95	-0.42	-0.32	-1.84
		-1.84	-0.55	-1.23e-04	0.0	162.1	-0.24	-11.36	-0.95	-0.42	-0.55	-1.66
37	21	1.84	0.57	-4.79e-05	-19.44	0.0	-2.66	9.21	0.71	0.39	0.57	-2.47
		-2.47	0.16	1.44e-04	0.0	162.1	-2.66	-10.24	0.71	0.39	0.16	-1.73
37	22	2.23	-0.39	-2.41e-05	-19.44	0.0	-1.00	8.00	-1.05	-0.47	-0.39	-1.79
		-1.79	-0.41	-1.25e-04	0.0	162.1	-1.00	-11.44	-1.05	-0.47	-0.41	-1.63
37	23	3.64	4.28	-1.09e-04	-19.44	0.0	-12.94	4.45	-3.14	-0.12	4.28	-1.28e-03
		-0.61	1.16	6.50e-05	0.0	162.1	-12.94	-15.00	-3.14	-0.12	1.16	-0.61
37	24	0.44	-1.40	6.19e-05	-19.44	0.0	9.27	12.76	2.80	0.04	-4.09	-4.26
		-4.26	-4.09	-4.59e-05	0.0	162.1	9.27	-6.68	2.80	0.04	-1.40	-2.76
37	25	3.49	3.25	-9.56e-05	-19.44	0.0	-11.31	4.77	-3.01	-0.26	3.25	-0.17
		-0.73	0.69	-4.43e-05	0.0	162.1	-11.31	-14.68	-3.01	-0.26	0.69	-0.73
37	26	0.58	-0.93	4.58e-05	-19.44	0.0	7.65	12.44	2.67	0.18	-3.07	-4.10
		-4.10	-3.07	5.68e-05	0.0	162.1	7.65	-7.00	2.67	0.18	-0.93	-2.64
38	1	4.14	0.17	-6.65e-05	-33.51	0.0	0.95	11.75	-0.28	-0.09	0.17	-2.50
		-2.57	-0.16	-5.08e-06	0.0	159.4	0.95	-21.77	-0.28	-0.09	-0.16	-2.57
38	2	6.01	0.27	-9.40e-05	-51.97	0.0	-0.06	19.32	-0.62	-0.18	0.27	-4.29
		-4.40	-0.25	-1.86e-05	0.0	159.4	-0.06	-32.65	-0.62	-0.18	-0.25	-4.40
38	3	2.03	0.07	-3.42e-05	-14.42	0.0	1.34	4.37	-8.61e-03	-0.02	0.07	-0.82
		-0.86	-0.07	4.44e-06	0.0	159.4	1.34	-10.04	-8.61e-03	-0.02	-0.07	-0.86
38	4	3.90	0.17	-6.17e-05	-32.88	0.0	0.34	11.95	-0.35	-0.11	0.17	-2.61
		-2.68	-0.16	-9.12e-06	0.0	159.4	0.34	-20.93	-0.35	-0.11	-0.16	-2.68
38	5	3.03	0.12	-4.89e-05	-24.26	0.0	0.81	8.41	-0.19	-0.07	0.12	-1.77
		-1.83	-0.12	-2.79e-06	0.0	159.4	0.81	-15.85	-0.19	-0.07	-0.12	-1.83
38	6	4.28	0.19	-6.72e-05	-36.57	0.0	0.14	13.46	-0.42	-0.12	0.19	-2.97
		-3.05	-0.18	-1.18e-05	0.0	159.4	0.14	-23.11	-0.42	-0.12	-0.18	-3.05
38	7	3.03	0.12	-4.89e-05	-24.26	0.0	0.81	8.41	-0.19	-0.07	0.12	-1.77
		-1.83	-0.12	-2.79e-06	0.0	159.4	0.81	-15.85	-0.19	-0.07	-0.12	-1.83
38	8	3.90	0.17	-6.17e-05	-32.88	0.0	0.34	11.95	-0.35	-0.11	0.17	-2.61
		-2.68	-0.16	-9.12e-06	0.0	159.4	0.34	-20.93	-0.35	-0.11	-0.16	-2.68
38	9	3.03	0.12	-4.89e-05	-24.26	0.0	0.81	8.41	-0.19	-0.07	0.12	-1.77
		-1.83	-0.12	-2.79e-06	0.0	159.4	0.81	-15.85	-0.19	-0.07	-0.12	-1.83
38	10	3.78	0.16	-5.99e-05	-31.65	0.0	0.41	11.44	-0.33	-0.10	0.16	-2.49
		-2.56	-0.15	-8.22e-06	0.0	159.4	0.41	-20.20	-0.33	-0.10	-0.15	-2.56
38	11	4.08	-4.14	-4.59e-05	-31.65	0.0	-8.88	10.60	1.58	0.07	-4.14	-2.11
		-2.34	-5.06	7.90e-05	0.0	159.4	-8.88	-21.05	1.58	0.07	-5.06	-2.34
38	12	3.68	0.21	-8.02e-05	-31.65	0.0	2.99	12.02	-0.80	-0.23	0.21	-2.71
		-2.71	-0.25	-1.32e-04	0.0	159.4	2.99	-19.63	-0.80	-0.23	-0.25	-2.55
38	13	4.07	-4.12	-4.81e-05	-31.65	0.0	-8.57	10.67	1.44	0.04	-4.12	-2.16
		-2.32	-5.09	6.73e-05	0.0	159.4	-8.57	-20.97	1.44	0.04	-5.09	-2.32
38	14	3.69	0.19	-7.73e-05	-31.65	0.0	2.68	11.94	-0.66	-0.19	0.19	-2.67
		-2.67	-0.23	-1.10e-04	0.0	159.4	2.68	-19.70	-0.66	-0.19	-0.23	-2.56
38	15	4.36	-5.99	-6.43e-05	-31.65	0.0	-18.91	10.67	1.67	-0.20	-5.99	-2.04
		-2.04	-8.14	-1.83e-04	0.0	159.4	-18.91	-20.98	1.67	-0.20	-8.14	-1.85
38	16	3.40	2.82	-5.90e-05	-31.65	0.0	13.02	11.95	-0.89	0.05	2.82	-2.79
		-3.03	2.06	7.51e-05	0.0	159.4	13.02	-19.70	-0.89	0.05	2.06	-3.03
38	17	4.31	-5.43	-7.38e-05	-31.65	0.0	-17.32	10.81	0.83	-0.37	-5.43	-2.10
		-2.10	-7.68	-2.43e-04	0.0	159.4	-17.32	-20.83	0.83	-0.37	-7.68	-1.89
38	18	3.44	2.37	-4.95e-05	-31.65	0.0	11.43	11.80	-0.06	0.21	1.50	-2.72
		-3.00	1.50	1.35e-04	0.0	159.4	11.43	-19.84	-0.06	0.21	2.37	-3.00
38	19	3.87	0.12	-4.43e-05	-31.65	0.0	-1.90	10.93	0.10	0.01	0.12	-2.29
		-2.57	-0.06	1.03e-04	0.0	159.4	-1.90	-20.72	0.10	0.01	-0.06	-2.57
38	20	3.69	0.21	-7.80e-05	-31.65	0.0	2.72	11.96	-0.75	-0.21	0.21	-2.69
		-2.69	-0.24	-1.19e-04	0.0	159.4	2.72	-19.69	-0.75	-0.21	-0.24	-2.55
38	21	3.86	0.14	-4.62e-05	-31.65	0.0	-1.62	10.99	-0.03	-0.02	0.14	-2.33
		-2.56	-0.08	8.28e-05	0.0	159.4	-1.62	-20.65	-0.03	-0.02	-0.08	-2.56
38	22	3.70	0.19	-7.54e-05	-31.65	0.0	2.44	11.89	-0.62	-0.18	0.19	-2.65

		-2.65	-0.22	-9.92e-05	0.0	159.4	2.44	-19.76	-0.62	-0.18	-0.22	-2.56
38	23	4.12	-1.54	-6.07e-05	-31.65	0.0	-10.89	10.99	0.18	-0.24	-1.54	-2.23
		-2.23	-2.82	-8.29e-05	0.0	159.4	-10.89	-20.65	0.18	-0.24	-2.82	-2.14
38	24	3.44	2.52	-5.91e-05	-31.65	0.0	11.71	11.89	-0.83	0.03	1.86	-2.75
		-2.98	1.86	6.65e-05	0.0	159.4	11.71	-19.75	-0.83	0.03	2.52	-2.98
38	25	4.08	-1.04	-6.92e-05	-31.65	0.0	-9.47	11.12	-0.57	-0.38	-1.04	-2.28
		-2.28	-2.41	-1.37e-04	0.0	159.4	-9.47	-20.53	-0.57	-0.38	-2.41	-2.17
38	26	3.48	2.11	-5.06e-05	-31.65	0.0	10.29	11.77	-0.08	0.18	1.36	-2.70
		-2.95	1.36	1.21e-04	0.0	159.4	10.29	-19.88	-0.08	0.18	2.11	-2.95
39	1	4.16	1.21	-4.73e-05	-28.46	0.0	15.33	4.91	-10.49	-2.86	1.21	0.24
		-1.65	-1.23	-8.79e-05	0.0	135.4	15.33	-23.56	-10.49	-2.86	-1.23	-1.65
39	2	6.42	3.76	-7.29e-05	-44.15	0.0	19.53	7.68	-21.44	-5.13	3.76	0.40
		-2.64	-1.03	-1.30e-04	0.0	135.4	19.53	-36.47	-21.44	-5.13	-1.03	-2.64
39	3	1.80	-0.65	-2.06e-05	-12.25	0.0	9.20	2.07	-1.33	-0.81	-0.65	0.09
		-0.66	-1.07	-4.18e-05	0.0	135.4	9.20	-10.18	-1.33	-0.81	-1.07	-0.66
39	4	4.07	1.91	-4.63e-05	-27.93	0.0	13.40	4.84	-12.28	-3.08	1.91	0.25
		-1.65	-0.87	-8.37e-05	0.0	135.4	13.40	-23.09	-12.28	-3.08	-0.87	-1.65
39	5	3.01	0.72	-3.43e-05	-20.61	0.0	11.44	3.55	-7.17	-2.02	0.72	0.17
		-1.19	-0.96	-6.42e-05	0.0	135.4	11.44	-17.06	-7.17	-2.02	-0.96	-1.19
39	6	4.52	2.42	-5.14e-05	-31.06	0.0	14.24	5.39	-14.47	-3.53	2.42	0.28
		-1.85	-0.83	-9.21e-05	0.0	135.4	14.24	-25.67	-14.47	-3.53	-0.83	-1.85
39	7	3.01	0.72	-3.43e-05	-20.61	0.0	11.44	3.55	-7.17	-2.02	0.72	0.17
		-1.19	-0.96	-6.42e-05	0.0	135.4	11.44	-17.06	-7.17	-2.02	-0.96	-1.19
39	8	4.07	1.91	-4.63e-05	-27.93	0.0	13.40	4.84	-12.28	-3.08	1.91	0.25
		-1.65	-0.87	-8.37e-05	0.0	135.4	13.40	-23.09	-12.28	-3.08	-0.87	-1.65
39	9	3.01	0.72	-3.43e-05	-20.61	0.0	11.44	3.55	-7.17	-2.02	0.72	0.17
		-1.19	-0.96	-6.42e-05	0.0	135.4	11.44	-17.06	-7.17	-2.02	-0.96	-1.19
39	10	3.92	1.74	-4.45e-05	-26.88	0.0	13.12	4.66	-11.55	-2.92	1.74	0.24
		-1.58	-0.88	-8.09e-05	0.0	135.4	13.12	-22.23	-11.55	-2.92	-0.88	-1.58
39	11	2.89	10.15	-2.36e-05	-26.88	0.0	19.70	7.77	-9.18	-0.96	10.15	-1.23
		-2.08	2.29	3.97e-04	0.0	135.4	19.70	-19.12	-9.18	-0.96	2.29	-2.08
39	12	5.00	1.29	-7.42e-05	-26.88	0.0	-1.92	1.64	-9.96	-2.73	1.29	1.70
		-1.00	-1.29	-1.75e-04	0.0	135.4	-1.92	-25.24	-9.96	-2.73	-1.29	-1.00
39	13	3.02	10.02	-2.72e-05	-26.88	0.0	17.59	7.40	-8.83	-0.91	10.02	-1.06
		-2.00	2.20	3.80e-04	0.0	135.4	17.59	-19.49	-8.83	-0.91	2.20	-2.00
39	14	4.86	1.43	-7.03e-05	-26.88	0.0	0.19	2.01	-10.32	-2.78	1.43	1.53
		-1.09	-1.20	-1.58e-04	0.0	135.4	0.19	-24.87	-10.32	-2.78	-1.20	-1.09
39	15	3.95	8.03	-6.43e-05	-26.88	0.0	-11.25	5.19	8.84	2.52	8.03	0.11
		-1.36	1.08	4.05e-04	0.0	135.4	-11.25	-21.70	8.84	2.52	1.08	-1.36
39	16	3.93	3.41	-3.45e-05	-26.88	0.0	29.04	4.22	-27.99	-6.21	3.41	0.36
		-1.73	-0.08	-1.83e-04	0.0	135.4	29.04	-22.66	-27.99	-6.21	-0.08	-1.73
39	17	4.19	6.90	-7.59e-05	-26.88	0.0	-12.43	4.45	10.04	2.55	6.90	0.45
		-1.24	0.48	3.15e-04	0.0	135.4	-12.43	-22.43	10.04	2.55	0.48	-1.24
39	18	3.68	4.55	-2.56e-05	-26.88	0.0	30.21	4.95	-29.19	-6.24	4.55	0.03
		-1.85	0.53	-9.26e-05	0.0	135.4	30.21	-21.93	-29.19	-6.24	0.53	-1.85
39	19	2.96	2.14	-2.02e-05	-26.88	0.0	26.61	7.36	-12.98	-3.10	2.14	-1.08
		-2.10	-0.51	-7.76e-06	0.0	135.4	26.61	-19.52	-12.98	-3.10	-0.51	-2.10
39	20	4.88	1.34	-7.10e-05	-26.88	0.0	-0.36	1.95	-10.13	-2.75	1.34	1.55
		-1.06	-1.25	-1.65e-04	0.0	135.4	-0.36	-24.93	-10.13	-2.75	-1.25	-1.06
39	21	3.07	2.02	-2.31e-05	-26.88	0.0	24.72	7.03	-12.66	-3.06	2.02	-0.92
		-2.03	-0.59	-1.34e-05	0.0	135.4	24.72	-19.86	-12.66	-3.06	-0.59	-2.03
39	22	4.77	1.46	-6.76e-05	-26.88	0.0	1.53	2.29	-10.45	-2.79	1.46	1.40
		-1.14	-1.17	-1.50e-04	0.0	135.4	1.53	-24.60	-10.45	-2.79	-1.17	-1.14
39	23	3.91	0.24	-5.46e-05	-26.88	0.0	-1.14	5.04	3.18	0.02	0.24	0.12
		-1.45	-1.60	1.45e-05	0.0	135.4	-1.14	-21.84	3.18	0.02	-1.60	-1.45
39	24	3.92	3.24	-3.55e-05	-26.88	0.0	27.39	4.27	-26.29	-5.87	3.24	0.35
		-1.71	-0.16	-1.73e-04	0.0	135.4	27.39	-22.62	-26.29	-5.87	-0.16	-1.71
39	25	4.13	-0.78	-6.46e-05	-26.88	0.0	-2.19	4.39	4.26	0.05	-0.78	0.42
		-1.34	-2.14	-7.05e-05	0.0	135.4	-2.19	-22.49	4.26	0.05	-2.14	-1.34
39	26	3.71	4.26	-2.74e-05	-26.88	0.0	28.44	4.92	-27.36	-5.90	4.26	0.05
		-1.82	0.38	-9.14e-05	0.0	135.4	28.44	-21.96	-27.36	-5.90	0.38	-1.82
40	1	0.98	0.26	2.85e-06	-2.49	0.0	11.15	-2.65	-6.82	-2.06	-0.07	0.98
		-0.42	-0.07	-4.79e-05	0.0	85.0	11.15	-5.14	-6.82	-2.06	0.26	-0.42
40	2	1.35	1.34	-2.66e-06	-2.49	0.0	12.17	-4.08	-17.01	-4.19	1.34	1.35
		-0.59	0.56	-7.23e-05	0.0	85.0	12.17	-6.56	-17.01	-4.19	0.56	-0.59
40	3	0.53	0.02	3.66e-06	-1.91	0.0	7.95	-1.17	1.03	-0.28	-0.92	0.52
		-0.22	-0.92	-2.18e-05	0.0	85.0	7.95	-3.08	1.03	-0.28	0.02	-0.22
40	4	0.89	0.49	-1.52e-06	-1.91	0.0	8.97	-2.59	-9.16	-2.40	0.49	0.89
		-0.39	0.32	-4.62e-05	0.0	85.0	8.97	-4.50	-9.16	-2.40	0.32	-0.39
40	5	0.72	0.18	2.39e-06	-1.91	0.0	8.49	-1.93	-4.41	-1.41	-0.17	0.72
		-0.31	-0.17	-3.48e-05	0.0	85.0	8.49	-3.84	-4.41	-1.41	0.18	-0.31
40	6	0.97	0.77	-1.79e-06	-1.91	0.0	9.17	-2.87	-11.20	-2.83	0.77	0.97
		-0.42	0.38	-5.11e-05	0.0	85.0	9.17	-4.79	-11.20	-2.83	0.38	-0.42
40	7	0.72	0.18	2.39e-06	-1.91	0.0	8.49	-1.93	-4.41	-1.41	-0.17	0.72

40	8	-0.31	-0.17	-3.48e-05	0.0	85.0	8.49	-3.84	-4.41	-1.41	0.18	-0.31
		0.89	0.49	-1.52e-06	-1.91	0.0	8.97	-2.59	-9.16	-2.40	0.49	0.89
		-0.39	0.32	-4.62e-05	0.0	85.0	8.97	-4.50	-9.16	-2.40	0.32	-0.39
40	9	0.72	0.18	2.39e-06	-1.91	0.0	8.49	-1.93	-4.41	-1.41	-0.17	0.72
		-0.31	-0.17	-3.48e-05	0.0	85.0	8.49	-3.84	-4.41	-1.41	0.18	-0.31
40	10	0.87	0.39	-1.44e-06	-1.91	0.0	8.90	-2.49	-8.48	-2.26	0.39	0.87
		-0.38	0.30	-4.46e-05	0.0	85.0	8.90	-4.41	-8.48	-2.26	0.30	-0.38
40	11	0.46	-0.38	1.10e-05	-1.91	0.0	6.74	-1.58	-2.46	-0.98	-0.89	0.46
		-0.55	-0.89	4.86e-06	0.0	85.0	6.74	-3.49	-2.46	-0.98	-0.38	-0.55
40	12	1.23	0.19	-2.12e-05	-1.91	0.0	6.69	-3.37	-3.00	-1.43	-0.72	1.23
		-0.12	-0.72	-1.09e-04	0.0	85.0	6.69	-5.28	-3.00	-1.43	0.19	-0.12
40	13	0.49	-0.40	7.95e-06	-1.91	0.0	6.15	-1.67	-1.59	-0.84	-1.05	0.49
		-0.52	-1.05	-6.76e-06	0.0	85.0	6.15	-3.58	-1.59	-0.84	-0.40	-0.52
40	14	1.19	0.20	-1.81e-05	-1.91	0.0	7.29	-3.28	-3.87	-1.57	-0.56	1.19
		-0.15	-0.56	-9.78e-05	0.0	85.0	7.29	-5.19	-3.87	-1.57	0.20	-0.15
40	15	1.10	-1.11	-3.53e-05	-1.91	0.0	-10.39	-3.30	22.84	3.27	-6.08	1.10
		-0.09	-6.08	-9.81e-05	0.0	85.0	-10.39	-5.22	22.84	3.27	-1.11	-0.09
40	16	0.59	4.47	2.51e-05	-1.91	0.0	23.83	-1.64	-28.30	-5.67	4.47	0.59
		-0.58	0.91	-1.43e-05	0.0	85.0	23.83	-3.55	-28.30	-5.67	0.91	-0.58
40	17	1.09	-1.19	-4.47e-05	-1.91	0.0	-8.56	-3.26	25.60	3.72	-6.58	1.09
		-0.06	-6.58	-1.31e-04	0.0	85.0	-8.56	-5.17	25.60	3.72	-1.19	-0.06
40	18	0.60	4.97	3.45e-05	-1.91	0.0	22.00	-1.69	-31.06	-6.12	4.97	0.60
		-0.61	0.99	2.61e-05	0.0	85.0	22.00	-3.60	-31.06	-6.12	0.99	-0.61
40	19	0.55	1.39	2.17e-05	-1.91	0.0	10.88	-1.71	-13.40	-3.01	1.39	0.55
		-0.60	0.39	1.27e-05	0.0	85.0	10.88	-3.62	-13.40	-3.01	0.39	-0.60
40	20	1.19	0.20	-1.89e-05	-1.91	0.0	6.92	-3.28	-3.57	-1.51	-0.61	1.19
		-0.15	-0.61	-1.02e-04	0.0	85.0	6.92	-5.19	-3.57	-1.51	0.20	-0.15
40	21	0.58	1.25	1.90e-05	-1.91	0.0	10.35	-1.79	-12.62	-2.88	1.25	0.58
		-0.58	0.38	3.11e-06	0.0	85.0	10.35	-3.70	-12.62	-2.88	0.38	-0.58
40	22	1.16	0.21	-1.61e-05	-1.91	0.0	7.45	-3.20	-4.35	-1.64	-0.46	1.16
		-0.17	-0.46	-9.23e-05	0.0	85.0	7.45	-5.11	-4.35	-1.64	0.21	-0.17
40	23	1.12	-0.25	-1.97e-05	-1.91	0.0	-4.48	-3.26	9.28	0.79	-3.26	1.12
		-0.19	-3.26	-7.88e-05	0.0	85.0	-4.48	-5.17	9.28	0.79	-0.25	-0.19
40	24	0.62	4.05	2.26e-05	-1.91	0.0	22.28	-1.73	-26.25	-5.32	4.05	0.62
		-0.56	0.85	-1.55e-05	0.0	85.0	22.28	-3.64	-26.25	-5.32	0.85	-0.56
40	25	1.11	-0.32	-2.82e-05	-1.91	0.0	-2.84	-3.22	11.75	1.20	-3.71	1.11
		-0.16	-3.71	-1.08e-04	0.0	85.0	-2.84	-5.13	11.75	1.20	-0.32	-0.16
40	26	0.63	4.50	3.11e-05	-1.91	0.0	20.64	-1.77	-28.72	-5.72	4.50	0.63
		-0.59	0.92	1.88e-05	0.0	85.0	20.64	-3.68	-28.72	-5.72	0.92	-0.59
82	1	141.78	1.38	8.07e-04	-385.55	0.0	277.42	127.08	-0.48	-7.46	1.38	36.33
		-242.41	-0.86	-1.64e-04	0.0	468.5	277.42	-258.47	-0.48	-7.46	-0.86	-242.41
82	2	221.54	2.83	1.16e-03	-610.35	0.0	445.30	203.41	-0.96	-13.00	2.83	50.16
		-379.00	-1.65	-2.54e-04	0.0	468.5	445.30	-406.94	-0.96	-13.00	-1.65	-379.00
82	3	60.12	0.16	4.02e-04	-158.24	0.0	110.09	50.78	-0.07	-2.34	0.16	19.44
		-102.41	-0.17	-7.04e-05	0.0	468.5	110.09	-107.45	-0.07	-2.34	-0.17	-102.41
82	4	139.74	1.62	7.58e-04	-383.04	0.0	277.97	127.11	-0.55	-7.87	1.62	33.27
		-239.00	-0.97	-1.61e-04	0.0	468.5	277.97	-255.93	-0.55	-7.87	-0.97	-239.00
82	5	102.52	0.94	5.91e-04	-278.13	0.0	199.62	91.49	-0.33	-5.29	0.94	26.81
		-175.26	-0.60	-1.18e-04	0.0	468.5	199.62	-186.64	-0.33	-5.29	-0.60	-175.26
82	6	155.69	1.91	8.29e-04	-428.00	0.0	311.54	142.38	-0.65	-8.98	1.91	36.03
		-266.32	-1.13	-1.79e-04	0.0	468.5	311.54	-285.62	-0.65	-8.98	-1.13	-266.32
82	7	102.52	0.94	5.91e-04	-278.13	0.0	199.62	91.49	-0.33	-5.29	0.94	26.81
		-175.26	-0.60	-1.18e-04	0.0	468.5	199.62	-186.64	-0.33	-5.29	-0.60	-175.26
82	8	139.74	1.62	7.58e-04	-383.04	0.0	277.97	127.11	-0.55	-7.87	1.62	33.27
		-239.00	-0.97	-1.61e-04	0.0	468.5	277.97	-255.93	-0.55	-7.87	-0.97	-239.00
82	9	102.52	0.94	5.91e-04	-278.13	0.0	199.62	91.49	-0.33	-5.29	0.94	26.81
		-175.26	-0.60	-1.18e-04	0.0	468.5	199.62	-186.64	-0.33	-5.29	-0.60	-175.26
82	10	134.42	1.52	7.34e-04	-368.05	0.0	266.78	122.02	-0.52	-7.50	1.52	32.34
		-229.90	-0.91	-1.55e-04	0.0	468.5	266.78	-246.03	-0.52	-7.50	-0.91	-229.90
82	11	136.02	2.17	6.98e-04	-368.05	0.0	245.12	124.26	-0.49	-7.04	2.17	30.01
		-221.74	-0.13	-8.01e-05	0.0	468.5	245.12	-243.79	-0.49	-7.04	-0.13	-221.74
82	12	138.07	0.88	8.76e-04	-368.05	0.0	278.16	116.33	0.42	-6.96	-1.09	45.41
		-243.53	-1.09	-5.99e-04	0.0	468.5	278.16	-251.73	0.42	-6.96	0.88	-243.53
82	13	137.09	1.71	7.21e-04	-368.05	0.0	243.61	123.80	-0.33	-6.98	1.71	31.89
		-222.03	0.14	-1.22e-04	0.0	468.5	243.61	-244.25	-0.33	-6.98	0.14	-222.03
82	14	136.87	0.60	8.53e-04	-368.05	0.0	279.67	116.79	0.26	-7.02	-0.63	43.53
		-243.24	-0.63	-5.33e-04	0.0	468.5	279.67	-251.26	0.26	-7.02	0.60	-243.24
82	15	150.00	24.35	1.07e-03	-368.05	0.0	244.64	111.99	-10.30	3.22	24.35	63.68
		-245.56	-23.92	1.74e-03	0.0	468.5	244.64	-256.06	-10.30	3.22	-23.92	-245.56
82	16	125.37	24.66	-5.25e-04	-368.05	0.0	278.65	128.60	10.23	-17.22	-23.27	11.74
		-219.70	-23.27	-2.39e-03	0.0	468.5	278.65	-239.46	10.23	-17.22	24.66	-219.70
82	17	154.17	32.86	1.15e-03	-368.05	0.0	241.13	109.55	-13.46	5.13	32.86	71.43
		-249.26	-30.21	2.06e-03	0.0	468.5	241.13	-258.50	-13.46	5.13	-30.21	-249.26
82	18	121.91	30.95	-5.34e-04	-368.05	0.0	282.16	131.04	13.39	-19.13	-31.78	3.99

		-216.00	-31.78	-2.72e-03	0.0	468.5	282.16	-237.01	13.39	-19.13	30.95	-216.00
82	19	131.69	3.86	6.06e-04	-368.05	0.0	256.57	127.13	-1.36	-7.99	3.86	20.63
		-217.68	-2.52	2.43e-04	0.0	468.5	256.57	-240.92	-1.36	-7.99	-2.52	-217.68
82	20	137.59	0.69	8.61e-04	-368.05	0.0	276.98	116.92	0.32	-7.02	-0.82	44.05
		-242.11	-0.82	-5.53e-04	0.0	468.5	276.98	-251.14	0.32	-7.02	0.69	-242.11
82	21	132.64	3.45	6.27e-04	-368.05	0.0	255.22	126.72	-1.22	-7.93	3.45	22.32
		-217.94	-2.27	1.84e-04	0.0	468.5	255.22	-241.34	-1.22	-7.93	-2.27	-217.94
82	22	136.51	0.45	8.40e-04	-368.05	0.0	278.33	117.33	0.18	-7.07	-0.41	42.37
		-241.85	-0.41	-4.94e-04	0.0	468.5	278.33	-250.72	0.18	-7.07	0.45	-241.85
82	23	143.19	23.75	9.40e-04	-368.05	0.0	256.14	116.13	-10.16	1.21	23.75	50.81
		-239.04	-23.84	1.85e-03	0.0	468.5	256.14	-251.92	-10.16	1.21	-23.84	-239.04
82	24	126.31	22.01	5.27e-04	-368.05	0.0	277.42	127.92	9.12	-16.21	-20.70	13.88
		-220.76	-20.70	-2.16e-03	0.0	468.5	277.42	-240.14	9.12	-16.21	22.01	-220.76
82	25	146.93	31.37	1.01e-03	-368.05	0.0	252.99	113.94	-12.99	2.92	31.37	57.76
		-242.35	-29.48	2.14e-03	0.0	468.5	252.99	-254.11	-12.99	2.92	-29.48	-242.35
82	26	123.21	27.65	-5.30e-04	-368.05	0.0	280.56	130.11	11.95	-17.92	-28.33	6.93
		-217.44	-28.33	-2.45e-03	0.0	468.5	280.56	-237.95	11.95	-17.92	27.65	-217.44
83	1	40.10	1.54	2.91e-03	-26.56	0.0	-139.72	-35.89	1.00	-3.49	-0.51	40.10
		-63.41	-0.51	-9.68e-05	0.0	204.8	-139.72	-62.46	1.00	-3.49	1.54	-63.41
83	2	70.60	2.04	5.13e-03	-39.73	0.0	-244.28	-65.68	1.20	-5.40	-0.42	70.60
		-109.20	-0.42	-1.53e-04	0.0	204.8	-244.28	-105.42	1.20	-5.40	2.04	-109.20
83	3	12.08	0.88	8.74e-04	-12.33	0.0	-43.13	-9.28	0.65	-1.50	-0.45	12.08
		-20.60	-0.45	-3.96e-05	0.0	204.8	-43.13	-21.61	0.65	-1.50	0.88	-20.60
83	4	42.57	1.38	3.09e-03	-25.50	0.0	-147.69	-39.07	0.85	-3.42	-0.36	42.57
		-66.39	-0.36	-9.62e-05	0.0	204.8	-147.69	-64.57	0.85	-3.42	1.38	-66.39
83	5	28.34	1.15	2.06e-03	-19.35	0.0	-98.90	-25.16	0.75	-2.53	-0.40	28.34
		-45.02	-0.40	-6.98e-05	0.0	204.8	-98.90	-44.52	0.75	-2.53	1.15	-45.02
83	6	48.67	1.48	3.54e-03	-28.13	0.0	-168.60	-45.03	0.89	-3.80	-0.34	48.67
		-75.55	-0.34	-1.08e-04	0.0	204.8	-168.60	-73.16	0.89	-3.80	1.48	-75.55
83	7	28.34	1.15	2.06e-03	-19.35	0.0	-98.90	-25.16	0.75	-2.53	-0.40	28.34
		-45.02	-0.40	-6.98e-05	0.0	204.8	-98.90	-44.52	0.75	-2.53	1.15	-45.02
83	8	42.57	1.38	3.09e-03	-25.50	0.0	-147.69	-39.07	0.85	-3.42	-0.36	42.57
		-66.39	-0.36	-9.62e-05	0.0	204.8	-147.69	-64.57	0.85	-3.42	1.38	-66.39
83	9	28.34	1.15	2.06e-03	-19.35	0.0	-98.90	-25.16	0.75	-2.53	-0.40	28.34
		-45.02	-0.40	-6.98e-05	0.0	204.8	-98.90	-44.52	0.75	-2.53	1.15	-45.02
83	10	40.54	1.35	2.95e-03	-24.62	0.0	-140.72	-37.08	0.83	-3.29	-0.36	40.54
		-63.34	-0.36	-9.24e-05	0.0	204.8	-140.72	-61.70	0.83	-3.29	1.35	-63.34
83	11	41.27	7.36	2.92e-03	-24.62	0.0	-151.47	-38.34	4.21	-3.67	-1.26	41.27
		-65.19	-1.26	-7.41e-05	0.0	204.8	-151.47	-62.96	4.21	-3.67	7.36	-65.19
83	12	29.62	2.42	2.95e-03	-24.62	0.0	-104.10	-24.49	2.19	-2.72	-2.06	29.62
		-48.48	-2.06	-2.53e-04	0.0	204.8	-104.10	-49.11	2.19	-2.72	2.42	-48.48
83	13	39.68	7.37	2.93e-03	-24.62	0.0	-146.15	-36.52	4.34	-3.61	-1.52	39.68
		-63.05	-1.52	-8.71e-05	0.0	204.8	-146.15	-61.14	4.34	-3.61	7.37	-63.05
83	14	31.21	2.42	2.94e-03	-24.62	0.0	-109.42	-26.32	2.06	-2.79	-1.80	31.21
		-50.62	-1.80	-2.28e-04	0.0	204.8	-109.42	-50.94	2.06	-2.79	2.42	-50.62
83	15	8.89	15.33	2.86e-03	-24.62	0.0	-51.76	-1.67	12.34	-2.57	-9.94	8.89
		-22.46	-9.94	-2.83e-04	0.0	204.8	-51.76	-26.29	12.34	-2.57	15.33	-22.46
83	16	62.00	6.63	3.01e-03	-24.62	0.0	-203.81	-61.17	-5.94	-3.83	6.63	62.00
		-91.21	-5.54	-2.71e-05	0.0	204.8	-203.81	-85.79	-5.94	-3.83	-5.54	-91.21
83	17	3.52	15.78	2.88e-03	-24.62	0.0	-36.35	5.20	11.80	-2.36	-8.39	2.66
		-14.63	-8.39	-3.68e-04	0.0	204.8	-36.35	-19.42	11.80	-2.36	15.78	-14.63
83	18	68.23	5.07	3.00e-03	-24.62	0.0	-219.22	-68.04	-5.40	-4.04	5.07	68.23
		-99.05	-5.99	9.85e-05	0.0	204.8	-219.22	-92.66	-5.40	-4.04	-5.99	-99.05
83	19	50.33	1.15	2.94e-03	-24.62	0.0	-173.54	-48.37	-0.38	-3.80	1.15	50.33
		-76.65	0.38	5.17e-05	0.0	204.8	-173.54	-72.99	-0.38	-3.80	0.38	-76.65
83	20	30.75	2.31	2.95e-03	-24.62	0.0	-107.90	-25.80	2.05	-2.78	-1.88	30.75
		-50.02	-1.88	-2.37e-04	0.0	204.8	-107.90	-50.42	2.05	-2.78	2.31	-50.02
83	21	48.90	0.92	2.95e-03	-24.62	0.0	-168.78	-46.73	-0.26	-3.74	0.92	48.90
		-74.73	0.39	2.94e-05	0.0	204.8	-168.78	-71.35	-0.26	-3.74	0.39	-74.73
83	22	32.18	2.31	2.94e-03	-24.62	0.0	-112.66	-27.43	1.93	-2.84	-1.65	32.18
		-51.94	-1.65	-2.14e-04	0.0	204.8	-112.66	-52.05	1.93	-2.84	2.31	-51.94
83	23	21.31	7.51	2.89e-03	-24.62	0.0	-84.17	-15.49	6.91	-2.81	-6.63	21.31
		-38.35	-6.63	-1.81e-04	0.0	204.8	-84.17	-40.11	6.91	-2.81	7.51	-38.35
83	24	59.77	5.90	3.00e-03	-24.62	0.0	-197.28	-58.67	-5.24	-3.77	5.90	59.77
		-88.33	-4.82	-2.73e-05	0.0	204.8	-197.28	-83.30	-5.24	-3.77	-4.82	-88.33
83	25	15.72	7.92	2.90e-03	-24.62	0.0	-70.35	-9.33	6.42	-2.62	-5.24	15.72
		-31.33	-5.24	-2.59e-04	0.0	204.8	-70.35	-33.95	6.42	-2.62	7.92	-31.33
83	26	65.36	4.51	2.99e-03	-24.62	0.0	-211.09	-64.83	-4.76	-3.96	4.51	65.36
		-95.35	-5.23	7.92e-05	0.0	204.8	-211.09	-89.45	-4.76	-3.96	-5.23	-95.35
106	1	62.21	0.66	-1.07e-03	-253.29	0.0	4.58	131.67	-0.09	2.79	0.66	-88.26
		-88.26	0.27	5.70e-05	0.0	424.4	4.58	-121.62	-0.09	2.79	0.27	-56.46
106	2	95.29	0.88	-1.95e-03	-395.52	0.0	14.42	209.94	-0.17	5.35	0.88	-150.48
		-150.48	0.14	1.01e-04	0.0	424.4	14.42	-185.58	-0.17	5.35	0.14	-81.66
106	3	28.16	0.37	-3.17e-04	-107.31	0.0	-2.54	53.13	-0.02	0.57	0.37	-29.60

		-29.60	0.29	1.70e-05	0.0	424.4	-2.54	-54.19	-0.02	0.57	0.29	-27.93
106	4	60.58	0.59	-1.16e-03	-249.54	0.0	7.31	131.39	-0.10	3.13	0.59	-91.82
		-91.82	0.16	6.06e-05	0.0	424.4	7.31	-118.15	-0.10	3.13	0.16	-53.12
106	5	45.14	0.49	-7.53e-04	-183.17	0.0	2.71	94.87	-0.06	1.93	0.49	-62.78
		-62.78	0.22	4.03e-05	0.0	424.4	2.71	-88.30	-0.06	1.93	0.22	-41.37
106	6	67.19	0.64	-1.34e-03	-277.99	0.0	9.27	147.04	-0.12	3.64	0.64	-104.27
		-104.27	0.13	6.94e-05	0.0	424.4	9.27	-130.95	-0.12	3.64	0.13	-58.16
106	7	45.14	0.49	-7.53e-04	-183.17	0.0	2.71	94.87	-0.06	1.93	0.49	-62.78
		-62.78	0.22	4.03e-05	0.0	424.4	2.71	-88.30	-0.06	1.93	0.22	-41.37
106	8	60.58	0.59	-1.16e-03	-249.54	0.0	7.31	131.39	-0.10	3.13	0.59	-91.82
		-91.82	0.16	6.06e-05	0.0	424.4	7.31	-118.15	-0.10	3.13	0.16	-53.12
106	9	45.14	0.49	-7.53e-04	-183.17	0.0	2.71	94.87	-0.06	1.93	0.49	-62.78
		-62.78	0.22	4.03e-05	0.0	424.4	2.71	-88.30	-0.06	1.93	0.22	-41.37
106	10	58.37	0.58	-1.10e-03	-240.06	0.0	6.65	126.17	-0.10	2.96	0.58	-87.67
		-87.67	0.17	5.77e-05	0.0	424.4	6.65	-113.89	-0.10	2.96	0.17	-51.44
106	11	57.00	-1.59	-8.10e-04	-240.06	0.0	-31.15	125.91	0.64	3.87	-4.33	-88.42
		-88.42	-4.33	7.01e-04	0.0	424.4	-31.15	-114.15	0.64	3.87	-1.59	-53.30
106	12	59.80	3.08	-1.36e-03	-240.06	0.0	31.49	125.01	0.97	4.68	-1.03	-83.49
		-83.49	-1.03	-4.48e-04	0.0	424.4	31.49	-115.05	0.97	4.68	3.08	-52.17
106	13	57.51	-1.04	-8.16e-04	-240.06	0.0	-35.98	125.50	0.78	4.17	-4.36	-86.93
		-86.93	-4.36	5.88e-04	0.0	424.4	-35.98	-114.56	0.78	4.17	-1.04	-53.55
106	14	59.28	2.52	-1.36e-03	-240.06	0.0	36.33	125.43	0.83	4.39	-0.99	-84.98
		-84.98	-0.99	-3.36e-04	0.0	424.4	36.33	-114.64	0.83	4.39	2.52	-51.92
106	15	59.08	5.30	-9.97e-04	-240.06	0.0	-34.21	121.89	-3.20	13.15	5.30	-77.28
		-77.28	-8.29	1.10e-03	0.0	424.4	-34.21	-118.18	-3.20	13.15	-8.29	-59.25
106	16	58.27	9.78	-1.17e-03	-240.06	0.0	34.56	129.04	4.81	-4.60	-10.65	-94.62
		-94.62	-10.65	-8.47e-04	0.0	424.4	34.56	-111.02	4.81	-4.60	9.78	-46.23
106	17	59.82	13.63	-1.02e-03	-240.06	0.0	-35.70	121.06	-7.08	17.48	13.63	-74.78
		-74.78	-16.43	1.81e-03	0.0	424.4	-35.70	-119.01	-7.08	17.48	-16.43	-60.27
106	18	57.74	17.92	-1.14e-03	-240.06	0.0	36.05	129.87	8.69	-8.93	-18.98	-97.13
		-97.13	-18.98	-1.56e-03	0.0	424.4	36.05	-110.19	8.69	-8.93	17.92	-45.21
106	19	57.10	2.02	-8.73e-04	-240.06	0.0	-15.62	127.21	-1.05	1.41	2.02	-91.43
		-91.43	-2.44	5.11e-04	0.0	424.4	-15.62	-112.85	-1.05	1.41	-2.44	-50.79
106	20	59.65	2.78	-1.33e-03	-240.06	0.0	28.92	125.13	0.86	4.51	-0.86	-83.92
		-83.92	-0.86	-3.96e-04	0.0	424.4	28.92	-114.93	0.86	4.51	2.78	-52.10
106	21	57.56	1.99	-8.77e-04	-240.06	0.0	-19.96	126.84	-0.93	1.68	1.99	-90.09
		-90.09	-1.94	4.11e-04	0.0	424.4	-19.96	-113.22	-0.93	1.68	-1.94	-51.01
106	22	59.19	2.28	-1.33e-03	-240.06	0.0	33.26	125.50	0.73	4.24	-0.83	-85.26
		-85.26	-0.83	-2.95e-04	0.0	424.4	33.26	-114.56	0.73	4.24	2.28	-51.87
106	23	58.56	10.65	-1.05e-03	-240.06	0.0	-18.37	123.60	-4.50	9.73	10.65	-81.44
		-81.44	-8.45	8.69e-04	0.0	424.4	-18.37	-116.46	-4.50	9.73	-8.45	-56.12
106	24	58.28	8.78	-1.16e-03	-240.06	0.0	31.67	128.74	4.31	-3.82	-9.49	-93.90
		-93.90	-9.49	-7.53e-04	0.0	424.4	31.67	-111.32	4.31	-3.82	8.78	-46.77
106	25	59.23	18.11	-1.07e-03	-240.06	0.0	-19.70	122.86	-7.98	13.61	18.11	-79.20
		-79.20	-15.74	1.51e-03	0.0	424.4	-19.70	-117.20	-7.98	13.61	-15.74	-57.03
106	26	57.81	16.08	-1.14e-03	-240.06	0.0	33.00	129.49	7.78	-7.69	-16.95	-96.15
		-96.15	-16.95	-1.39e-03	0.0	424.4	33.00	-110.57	7.78	-7.69	16.08	-45.86
107	1	32.85	-1.95	-1.77e-04	-10.22	0.0	104.56	-84.07	6.53	0.55	-1.95	32.85
		4.71	-2.75	-2.98e-05	0.0	121.2	104.56	-94.29	6.53	0.55	-2.75	4.71
107	2	56.38	-2.67	-2.89e-04	-14.48	0.0	171.80	-144.23	9.04	0.81	-2.67	56.38
		8.47	-3.64	-4.05e-05	0.0	121.2	171.80	-158.71	9.04	0.81	-3.64	8.47
107	3	10.78	-1.05	-6.85e-05	-5.23	0.0	39.05	-27.65	3.48	0.26	-1.05	10.78
		1.31	-1.57	-1.64e-05	0.0	121.2	39.05	-32.88	3.48	0.26	-1.57	1.31
107	4	34.32	-1.78	-1.79e-04	-9.50	0.0	106.29	-87.81	5.99	0.52	-1.78	34.32
		5.07	-2.46	-2.71e-05	0.0	121.2	106.29	-97.31	5.99	0.52	-2.46	5.07
107	5	23.33	-1.44	-1.27e-04	-7.51	0.0	74.91	-59.73	4.82	0.40	-1.44	23.33
		3.31	-2.04	-2.21e-05	0.0	121.2	74.91	-67.24	4.82	0.40	-2.04	3.31
107	6	39.02	-1.92	-2.02e-04	-10.35	0.0	119.74	-99.84	6.49	0.57	-1.92	39.02
		5.82	-2.64	-2.92e-05	0.0	121.2	119.74	-110.19	6.49	0.57	-2.64	5.82
107	7	23.33	-1.44	-1.27e-04	-7.51	0.0	74.91	-59.73	4.82	0.40	-1.44	23.33
		3.31	-2.04	-2.21e-05	0.0	121.2	74.91	-67.24	4.82	0.40	-2.04	3.31
107	8	34.32	-1.78	-1.79e-04	-9.50	0.0	106.29	-87.81	5.99	0.52	-1.78	34.32
		5.07	-2.46	-2.71e-05	0.0	121.2	106.29	-97.31	5.99	0.52	-2.46	5.07
107	9	23.33	-1.44	-1.27e-04	-7.51	0.0	74.91	-59.73	4.82	0.40	-1.44	23.33
		3.31	-2.04	-2.21e-05	0.0	121.2	74.91	-67.24	4.82	0.40	-2.04	3.31
107	10	32.75	-1.73	-1.72e-04	-9.22	0.0	101.81	-83.80	5.82	0.50	-1.73	32.75
		4.82	-2.40	-2.64e-05	0.0	121.2	101.81	-93.01	5.82	0.50	-2.40	4.82
107	11	33.14	6.70	-1.46e-04	-9.22	0.0	138.01	-85.28	-10.50	-1.14	6.70	33.14
		4.20	-0.63	4.44e-04	0.0	121.2	138.01	-94.50	-10.50	-1.14	-0.63	4.20
107	12	33.33	-4.73	-1.82e-04	-9.22	0.0	89.23	-84.98	41.11	6.86	-9.46	33.33
		5.14	-9.46	-1.22e-04	0.0	121.2	89.23	-94.19	41.11	6.86	-4.73	5.14
107	13	33.69	5.20	-1.46e-04	-9.22	0.0	141.31	-86.69	-4.78	-0.17	5.20	33.69
		4.25	-1.10	4.04e-04	0.0	121.2	141.31	-95.91	-4.78	-0.17	-1.10	4.25
107	14	32.78	-4.27	-1.82e-04	-9.22	0.0	85.93	-83.57	35.40	5.90	-7.96	32.78

		5.09	-7.96	-8.17e-05	0.0	121.2	85.93	-92.78	35.40	5.90	-4.27	5.09
107	15	35.64	-6.04	-1.32e-04	-9.22	0.0	168.41	-91.75	66.26	12.67	-11.20	35.64
		4.11	-11.20	3.75e-04	0.0	121.2	168.41	-100.97	66.26	12.67	-6.04	4.11
107	16	30.83	8.43	-2.04e-04	-9.22	0.0	58.83	-78.50	-35.64	-6.95	8.43	30.83
		5.23	0.67	-6.60e-05	0.0	121.2	58.83	-87.72	-35.64	-6.95	0.67	5.23
107	17	36.02	-7.63	1.39e-04	-9.22	0.0	177.04	-92.74	85.27	16.10	-16.14	36.02
		4.02	-16.14	4.14e-04	0.0	121.2	177.04	-101.96	85.27	16.10	-7.63	4.02
107	18	30.45	13.37	-2.13e-04	-9.22	0.0	50.20	-77.52	-54.65	-10.38	13.37	30.45
		5.33	2.26	-1.15e-04	0.0	121.2	50.20	-86.73	-54.65	-10.38	2.26	5.33
107	19	32.22	5.20	-1.63e-04	-9.22	0.0	113.09	-82.74	-25.81	-5.19	5.20	32.22
		4.52	-0.30	5.90e-05	0.0	121.2	113.09	-91.96	-25.81	-5.19	-0.30	4.52
107	20	33.27	-4.49	-1.81e-04	-9.22	0.0	90.53	-84.85	37.45	6.20	-8.66	33.27
		5.11	-8.66	-1.12e-04	0.0	121.2	90.53	-94.07	37.45	6.20	-4.49	5.11
107	21	32.72	3.86	-1.63e-04	-9.22	0.0	116.04	-84.00	-20.69	-4.33	3.86	32.72
		4.57	-0.72	2.32e-05	0.0	121.2	116.04	-93.22	-20.69	-4.33	-0.72	4.57
107	22	32.77	-4.08	-1.81e-04	-9.22	0.0	87.58	-83.59	32.33	5.34	-7.31	32.77
		5.07	-7.31	-7.60e-05	0.0	121.2	87.58	-92.81	32.33	5.34	-4.08	5.07
107	23	34.47	-5.15	-1.47e-04	-9.22	0.0	140.33	-88.54	42.98	7.18	-10.84	34.47
		4.44	-10.84	6.55e-05	0.0	121.2	140.33	-97.76	42.98	7.18	-5.15	4.44
107	24	31.03	7.38	-2.00e-04	-9.22	0.0	63.28	-79.05	-31.34	-6.17	7.38	31.03
		5.19	0.35	-5.92e-05	0.0	121.2	63.28	-88.27	-31.34	-6.17	0.35	5.19
107	25	34.80	-6.57	-1.41e-04	-9.22	0.0	148.07	-89.43	60.03	10.26	-15.27	34.80
		4.35	-15.27	1.08e-04	0.0	121.2	148.07	-98.64	60.03	10.26	-6.57	4.35
107	26	30.69	11.81	-2.08e-04	-9.22	0.0	55.55	-78.17	-48.38	-9.25	11.81	30.69
		5.28	1.78	-1.03e-04	0.0	121.2	55.55	-87.38	-48.38	-9.25	1.78	5.28
108	1	1.91	0.32	-2.81e-05	-18.51	0.0	-1.85	6.08	1.20	0.30	0.04	-0.90
		-0.90	0.04	6.07e-05	0.0	121.2	-1.85	-12.43	1.20	0.30	0.32	-0.90
108	2	2.64	0.44	-2.12e-05	-28.09	0.0	-1.84	9.97	2.07	0.50	0.04	-1.62
		-1.62	0.04	8.82e-05	0.0	121.2	-1.84	-18.12	2.07	0.50	0.44	-1.62
108	3	1.01	0.18	-3.09e-05	-8.35	0.0	-1.44	2.29	0.38	0.10	0.03	-0.26
		-0.26	0.03	2.98e-05	0.0	121.2	-1.44	-6.06	0.38	0.10	0.18	-0.26
108	4	1.75	0.29	-1.86e-05	-17.93	0.0	-1.42	6.18	1.26	0.31	0.03	-0.97
		-0.97	0.03	5.73e-05	0.0	121.2	-1.42	-11.75	1.26	0.31	0.29	-0.97
108	5	1.41	0.24	-2.25e-05	-13.46	0.0	-1.43	4.36	0.85	0.21	0.03	-0.64
		-0.64	0.03	4.44e-05	0.0	121.2	-1.43	-9.09	0.85	0.21	0.24	-0.64
108	6	1.89	0.32	-1.73e-05	-19.84	0.0	-1.42	6.95	1.43	0.35	0.03	-1.11
		-1.11	0.03	6.28e-05	0.0	121.2	-1.42	-12.89	1.43	0.35	0.32	-1.11
108	7	1.41	0.24	-2.25e-05	-13.46	0.0	-1.43	4.36	0.85	0.21	0.03	-0.64
		-0.64	0.03	4.44e-05	0.0	121.2	-1.43	-9.09	0.85	0.21	0.24	-0.64
108	8	1.75	0.29	-1.86e-05	-17.93	0.0	-1.42	6.18	1.26	0.31	0.03	-0.97
		-0.97	0.03	5.73e-05	0.0	121.2	-1.42	-11.75	1.26	0.31	0.29	-0.97
108	9	1.41	0.24	-2.25e-05	-13.46	0.0	-1.43	4.36	0.85	0.21	0.03	-0.64
		-0.64	0.03	4.44e-05	0.0	121.2	-1.43	-9.09	0.85	0.21	0.24	-0.64
108	10	1.70	0.28	-1.90e-05	-17.29	0.0	-1.42	5.92	1.20	0.29	0.03	-0.92
		-0.92	0.03	5.55e-05	0.0	121.2	-1.42	-11.37	1.20	0.29	0.28	-0.92
108	11	1.49	1.13	-1.11e-05	-17.29	0.0	5.95	5.76	-0.45	-0.61	-0.35	-0.96
		-1.30	-0.35	-2.20e-04	0.0	121.2	5.95	-11.53	-0.45	-0.61	1.13	-1.30
108	12	1.98	-0.14	-1.54e-05	-17.29	0.0	-9.23	5.53	-0.36	-0.13	-0.15	-0.73
		-0.73	-0.15	-4.99e-05	0.0	121.2	-9.23	-11.76	-0.36	-0.13	-0.14	-0.73
108	13	1.53	1.13	1.83e-05	-17.29	0.0	5.59	5.66	-0.48	-0.60	-0.27	-0.93
		-1.25	-0.27	-2.14e-04	0.0	121.2	5.59	-11.63	-0.48	-0.60	1.13	-1.25
108	14	1.94	-0.14	-1.89e-05	-17.29	0.0	-8.86	5.63	-0.33	-0.15	-0.23	-0.76
		-0.76	-0.23	-5.61e-05	0.0	121.2	-8.86	-11.65	-0.33	-0.15	-0.14	-0.76
108	15	2.04	1.08	8.85e-05	-17.29	0.0	-1.64	4.24	-1.99	-1.20	-0.42	-0.41
		-0.74	-0.42	-3.59e-04	0.0	121.2	-1.64	-13.05	-1.99	-1.20	1.08	-0.74
108	16	1.43	-0.08	-7.75e-05	-17.29	0.0	-1.64	7.05	1.19	0.45	-0.08	-1.27
		-1.27	-0.09	8.94e-05	0.0	121.2	-1.64	-10.24	1.19	0.45	-0.09	-1.27
108	17	2.15	1.05	1.09e-04	-17.29	0.0	-2.60	3.89	-2.86	-1.51	-0.43	-0.30
		-0.64	-0.43	-4.52e-04	0.0	121.2	-2.60	-13.40	-2.86	-1.51	1.05	-0.64
108	18	1.32	-0.06	-9.80e-05	-17.29	0.0	-0.68	7.40	2.05	0.77	-0.07	-1.39
		-1.39	-0.07	1.83e-04	0.0	121.2	-0.68	-9.88	2.05	0.77	-0.06	-1.39
108	19	1.45	0.66	-2.33e-05	-17.29	0.0	5.57	6.26	2.60	0.68	0.19	-1.10
		-1.25	0.19	1.50e-04	0.0	121.2	5.57	-11.03	2.60	0.68	0.66	-1.25
108	20	1.95	-0.09	-1.58e-05	-17.29	0.0	-8.42	5.57	-0.20	-0.09	-0.13	-0.75
		-0.75	-0.13	-3.90e-05	0.0	121.2	-8.42	-11.72	-0.20	-0.09	-0.09	-0.75
108	21	1.48	0.67	-1.93e-05	-17.29	0.0	5.25	6.17	2.58	0.69	0.26	-1.07
		-1.21	0.26	1.55e-04	0.0	121.2	5.25	-11.12	2.58	0.69	0.67	-1.21
108	22	1.92	-0.10	-1.89e-05	-17.29	0.0	-8.09	5.66	-0.17	-0.10	-0.20	-0.78
		-0.78	-0.20	-4.45e-05	0.0	121.2	-8.09	-11.62	-0.17	-0.10	-0.10	-0.78
108	23	1.94	0.62	4.83e-05	-17.29	0.0	-1.23	4.90	1.21	0.15	0.12	-0.61
		-0.75	0.12	2.50e-05	0.0	121.2	-1.23	-12.39	1.21	0.15	0.62	-0.75
108	24	1.46	-0.06	-7.06e-05	-17.29	0.0	-1.62	6.93	1.19	0.43	-0.07	-1.24
		-1.24	-0.07	8.59e-05	0.0	121.2	-1.62	-10.35	1.19	0.43	-0.06	-1.24
108	25	2.04	0.59	6.67e-05	-17.29	0.0	-2.09	4.58	0.44	-0.13	0.12	-0.51

108	26	-0.66	0.12	-5.87e-05	0.0	121.2	-2.09	-12.70	0.44	-0.13	0.59	-0.66
		1.36	-0.02	-8.90e-05	-17.29	0.0	-0.76	7.25	1.96	0.72	-0.06	-1.34
		-1.34	-0.06	1.70e-04	0.0	121.2	-0.76	-10.04	1.96	0.72	-0.02	-1.18
111	1	1.46	0.51	-2.74e-05	-13.04	0.0	6.87	3.12	-0.34	-0.17	0.51	-0.42
		-0.61	-0.73	9.95e-06	0.0	121.2	6.87	-9.92	-0.34	-0.17	-0.73	-0.61
111	2	1.86	0.63	-1.59e-05	-19.11	0.0	9.34	5.53	-0.17	-0.16	0.63	-0.89
		-1.19	-0.95	1.05e-05	0.0	121.2	9.34	-13.59	-0.17	-0.16	-0.95	-1.19
111	3	0.88	0.32	-3.40e-05	-6.29	0.0	3.76	0.92	-0.37	-0.14	0.32	-0.03
		-0.11	-0.43	7.37e-06	0.0	121.2	3.76	-5.37	-0.37	-0.14	-0.43	-0.11
111	4	1.28	0.44	-1.61e-05	-12.37	0.0	6.23	3.32	-0.20	-0.13	0.44	-0.51
		-0.69	-0.65	7.86e-06	0.0	121.2	6.23	-9.04	-0.20	-0.13	-0.65	-0.69
111	5	1.09	0.39	-2.24e-05	-9.53	0.0	5.08	2.20	-0.28	-0.13	0.39	-0.28
		-0.42	-0.55	7.62e-06	0.0	121.2	5.08	-7.33	-0.28	-0.13	-0.55	-0.42
111	6	1.35	0.46	-1.40e-05	-13.58	0.0	6.73	3.81	-0.16	-0.13	0.46	-0.60
		-0.81	-0.69	7.99e-06	0.0	121.2	6.73	-9.77	-0.16	-0.13	-0.69	-0.81
111	7	1.09	0.39	-2.24e-05	-9.53	0.0	5.08	2.20	-0.28	-0.13	0.39	-0.28
		-0.42	-0.55	7.62e-06	0.0	121.2	5.08	-7.33	-0.28	-0.13	-0.55	-0.42
111	8	1.28	0.44	-1.61e-05	-12.37	0.0	6.23	3.32	-0.20	-0.13	0.44	-0.51
		-0.69	-0.65	7.86e-06	0.0	121.2	6.23	-9.04	-0.20	-0.13	-0.65	-0.69
111	9	1.09	0.39	-2.24e-05	-9.53	0.0	5.08	2.20	-0.28	-0.13	0.39	-0.28
		-0.42	-0.55	7.62e-06	0.0	121.2	5.08	-7.33	-0.28	-0.13	-0.55	-0.42
111	10	1.25	0.43	-1.69e-05	-11.96	0.0	6.07	3.16	-0.21	-0.13	0.43	-0.47
		-0.65	-0.64	7.82e-06	0.0	121.2	6.07	-8.80	-0.21	-0.13	-0.64	-0.65
111	11	0.98	-2.68	2.78e-05	-11.96	0.0	29.84	3.32	3.88	0.97	-2.68	-0.66
		-1.02	-3.12	3.25e-04	0.0	121.2	29.84	-8.64	3.88	0.97	-3.12	-1.02
111	12	1.53	0.16	-2.14e-05	-11.96	0.0	-7.29	2.46	1.68	0.09	0.16	-0.19
		-0.39	-1.29	-4.52e-05	0.0	121.2	-7.29	-9.50	1.68	0.09	-1.29	-0.39
111	13	0.99	-2.56	3.46e-05	-11.96	0.0	30.33	3.22	3.94	0.94	-2.56	-0.63
		-1.01	-3.09	2.95e-04	0.0	121.2	30.33	-8.74	3.94	0.94	-3.09	-1.01
111	14	1.51	0.05	-2.59e-05	-11.96	0.0	-7.78	2.56	1.63	0.11	0.05	-0.21
		-0.39	-1.32	-1.61e-05	0.0	121.2	-7.78	-9.40	1.63	0.11	-1.32	-0.39
111	15	1.32	-3.94	9.42e-05	-11.96	0.0	34.85	1.51	10.09	1.94	-3.94	-0.14
		-0.87	-4.79	2.72e-04	0.0	121.2	34.85	-10.45	10.09	1.94	-4.79	-0.87
111	16	1.19	1.43	-8.31e-05	-11.96	0.0	-12.30	4.27	-4.53	-0.88	1.43	-0.70
		-0.70	0.38	7.01e-06	0.0	121.2	-12.30	-7.69	-4.53	-0.88	0.38	-0.54
111	17	1.39	-4.74	1.14e-04	-11.96	0.0	37.61	1.10	12.02	2.24	-4.74	-0.04
		-0.85	-5.62	2.61e-04	0.0	121.2	37.61	-10.86	12.02	2.24	-5.62	-0.85
111	18	1.13	2.23	-1.03e-04	-11.96	0.0	-15.06	4.68	-6.46	-1.18	2.23	-0.80
		-0.80	1.21	1.83e-05	0.0	121.2	-15.06	-7.28	-6.46	-1.18	1.21	-0.56
111	19	1.00	0.67	-1.28e-05	-11.96	0.0	18.04	3.79	-1.90	-0.33	0.67	-0.73
		-0.89	-0.04	5.53e-05	0.0	121.2	18.04	-8.17	-1.90	-0.33	-0.04	-0.89
111	20	1.50	0.19	-2.10e-05	-11.96	0.0	-5.90	2.54	1.49	0.07	0.19	-0.22
		-0.41	-1.23	-3.97e-05	0.0	121.2	-5.90	-9.42	1.49	0.07	-1.23	-0.41
111	21	1.02	0.77	-9.33e-06	-11.96	0.0	18.48	3.70	-1.85	-0.35	0.77	-0.71
		-0.89	-0.02	2.92e-05	0.0	121.2	18.48	-8.26	-1.85	-0.35	-0.02	-0.89
111	22	1.48	0.09	-2.50e-05	-11.96	0.0	-6.34	2.63	1.44	0.09	0.09	-0.24
		-0.42	-1.25	-1.36e-05	0.0	121.2	-6.34	-9.33	1.44	0.09	-1.25	-0.42
111	23	1.30	-0.46	5.02e-05	-11.96	0.0	22.53	2.17	3.66	0.55	-0.46	-0.27
		-0.76	-1.55	1.36e-05	0.0	121.2	22.53	-9.79	3.66	0.55	-1.55	-0.76
111	24	1.20	1.33	-7.58e-05	-11.96	0.0	-10.39	4.15	-4.08	-0.80	1.33	-0.68
		-0.68	0.28	7.09e-06	0.0	121.2	-10.39	-7.81	-4.08	-0.80	0.28	-0.55
111	25	1.36	-1.18	6.75e-05	-11.96	0.0	25.01	1.80	5.39	0.82	-1.18	-0.18
		-0.74	-2.29	1.37e-05	0.0	121.2	25.01	-10.16	5.39	0.82	-2.29	-0.74
111	26	1.15	2.04	-9.32e-05	-11.96	0.0	-12.87	4.52	-5.81	-1.07	2.04	-0.77
		-0.77	1.02	1.72e-05	0.0	121.2	-12.87	-7.44	-5.81	-1.07	1.02	-0.57
112	1	1.72	0.12	-2.79e-05	-17.20	0.0	-0.69	5.54	0.84	0.21	0.08	-0.83
		-0.94	0.08	5.09e-05	0.0	121.2	-0.69	-11.66	0.84	0.21	0.12	-0.94
112	2	2.31	0.24	-1.94e-05	-25.94	0.0	0.11	9.26	1.57	0.39	0.10	-1.54
		-1.70	0.10	7.06e-05	0.0	121.2	0.11	-16.69	1.57	0.39	0.24	-1.70
112	3	0.96	0.05	-3.19e-05	-7.86	0.0	-1.02	1.98	0.20	0.06	0.05	-0.20
		-0.25	0.02	2.70e-05	0.0	121.2	-1.02	-5.88	0.20	0.06	0.02	-0.25
112	4	1.55	0.14	-1.77e-05	-16.60	0.0	-0.22	5.69	0.93	0.23	0.07	-0.91
		-1.01	0.07	4.67e-05	0.0	121.2	-0.22	-10.90	0.93	0.23	0.14	-1.01
112	5	1.28	0.08	-2.24e-05	-12.52	0.0	-0.59	3.96	0.59	0.15	0.06	-0.58
		-0.66	0.06	3.75e-05	0.0	121.2	-0.59	-8.56	0.59	0.15	0.08	-0.66
112	6	1.67	0.16	-1.62e-05	-18.34	0.0	-0.06	6.43	1.07	0.27	0.07	-1.05
		-1.17	0.07	5.06e-05	0.0	121.2	-0.06	-11.91	1.07	0.27	0.16	-1.17
112	7	1.28	0.08	-2.24e-05	-12.52	0.0	-0.59	3.96	0.59	0.15	0.06	-0.58
		-0.66	0.06	3.75e-05	0.0	121.2	-0.59	-8.56	0.59	0.15	0.08	-0.66
112	8	1.55	0.14	-1.77e-05	-16.60	0.0	-0.22	5.69	0.93	0.23	0.07	-0.91
		-1.01	0.07	4.67e-05	0.0	121.2	-0.22	-10.90	0.93	0.23	0.14	-1.01
112	9	1.28	0.08	-2.24e-05	-12.52	0.0	-0.59	3.96	0.59	0.15	0.06	-0.58
		-0.66	0.06	3.75e-05	0.0	121.2	-0.59	-8.56	0.59	0.15	0.08	-0.66
112	10	1.51	0.13	-1.83e-05	-16.01	0.0	-0.27	5.44	0.88	0.22	0.07	-0.86

112	11	-0.96	0.07	4.54e-05	0.0	121.2	-0.27	-10.57	0.88	0.22	0.13	-0.96
		1.32	-1.45	1.33e-05	-16.01	0.0	11.66	5.32	0.70	-0.19	-2.14	-0.91
		-1.30	-2.14	-1.75e-04	0.0	121.2	11.66	-10.70	0.70	-0.19	-1.45	-1.30
112	12	1.79	-0.18	-1.60e-05	-16.01	0.0	-10.69	5.04	-0.41	-0.14	-0.18	-0.66
		-0.66	-0.65	-3.23e-05	0.0	121.2	-10.69	-10.97	-0.41	-0.14	-0.65	-0.62
112	13	1.35	-1.36	2.03e-05	-16.01	0.0	11.35	5.22	0.59	-0.21	-1.99	-0.88
		-1.27	-1.99	-1.74e-04	0.0	121.2	11.35	-10.79	0.59	-0.21	-1.36	-1.27
112	14	1.76	-0.33	-1.97e-05	-16.01	0.0	-10.38	5.13	-0.30	-0.13	-0.33	-0.69
		-0.69	-0.74	-3.34e-05	0.0	121.2	-10.38	-10.88	-0.30	-0.13	-0.74	-0.65
112	15	1.80	-2.64	8.73e-05	-16.01	0.0	4.57	3.92	-0.18	-0.59	-2.70	-0.41
		-0.85	-2.70	-2.91e-04	0.0	121.2	4.57	-12.09	-0.18	-0.59	-2.64	-0.85
112	16	1.31	0.54	-7.84e-05	-16.01	0.0	-3.59	6.43	0.47	0.25	0.38	-1.16
		-1.16	0.38	8.38e-05	0.0	121.2	-3.59	-9.58	0.47	0.25	0.54	-1.07
112	17	1.90	-3.00	1.07e-04	-16.01	0.0	3.95	3.59	-0.70	-0.81	-3.00	-0.30
		-0.76	-3.15	-3.75e-04	0.0	121.2	3.95	-12.43	-0.70	-0.81	-3.15	-0.76
112	18	1.21	1.05	-9.84e-05	-16.01	0.0	-2.98	6.77	1.00	0.48	0.69	-1.27
		-1.27	0.69	1.68e-04	0.0	121.2	-2.98	-9.24	1.00	0.48	1.05	-1.16
112	19	1.27	0.83	-2.10e-05	-16.01	0.0	9.06	5.81	2.03	0.54	0.29	-1.04
		-1.27	0.29	1.15e-04	0.0	121.2	9.06	-10.21	2.03	0.54	0.83	-1.27
112	20	1.76	-0.16	-1.63e-05	-16.01	0.0	-9.61	5.08	-0.27	-0.10	-0.16	-0.68
		-0.68	-0.57	-2.42e-05	0.0	121.2	-9.61	-10.93	-0.27	-0.10	-0.57	-0.65
112	21	1.30	0.91	-1.71e-05	-16.01	0.0	8.78	5.72	1.94	0.53	0.42	-1.02
		-1.24	0.42	1.16e-04	0.0	121.2	8.78	-10.29	1.94	0.53	0.91	-1.24
112	22	1.73	-0.29	-1.96e-05	-16.01	0.0	-9.33	5.17	-0.18	-0.09	-0.29	-0.71
		-0.71	-0.65	-2.53e-05	0.0	121.2	-9.33	-10.85	-0.18	-0.09	-0.65	-0.68
112	23	1.69	-0.22	4.70e-05	-16.01	0.0	2.70	4.56	1.25	0.19	-0.22	-0.60
		-0.87	-0.24	1.10e-05	0.0	121.2	2.70	-11.45	1.25	0.19	-0.24	-0.87
112	24	1.33	0.50	-7.16e-05	-16.01	0.0	-3.25	6.33	0.51	0.25	0.35	-1.13
		-1.13	0.35	7.98e-05	0.0	121.2	-3.25	-9.68	0.51	0.25	0.50	-1.06
112	25	1.78	-0.49	6.49e-05	-16.01	0.0	2.15	4.25	0.78	-0.01	-0.49	-0.50
		-0.79	-0.70	-6.41e-05	0.0	121.2	2.15	-11.76	0.78	-0.01	-0.70	-0.79
112	26	1.25	0.96	-8.95e-05	-16.01	0.0	-2.70	6.63	0.98	0.45	0.62	-1.23
		-1.23	0.62	1.55e-04	0.0	121.2	-2.70	-9.38	0.98	0.45	0.96	-1.14
115	1	1.93	0.38	-2.64e-05	-11.63	0.0	14.17	-0.46	0.17	-0.23	0.38	0.66
		-0.39	-1.41	-1.31e-05	0.0	121.2	14.17	-12.08	0.17	-0.23	-1.41	-0.39
115	2	2.99	0.45	-2.07e-05	-16.80	0.0	19.77	-1.75	0.48	-0.24	0.45	1.31
		-0.55	-1.86	-1.93e-05	0.0	121.2	19.77	-18.55	0.48	-0.24	-1.86	-0.55
115	3	0.83	0.25	-3.18e-05	-5.76	0.0	7.45	0.45	-0.06	-0.17	0.25	0.10
		-0.20	-0.80	-6.27e-06	0.0	121.2	7.45	-5.31	-0.06	-0.17	-0.80	-0.20
115	4	1.89	0.32	-1.76e-05	-10.93	0.0	13.05	-0.85	0.25	-0.18	0.32	0.76
		-0.36	-1.26	-1.25e-05	0.0	121.2	13.05	-11.78	0.25	-0.18	-1.26	-0.36
115	5	1.40	0.29	-2.11e-05	-8.52	0.0	10.44	-0.24	0.11	-0.17	0.29	0.45
		-0.29	-1.05	-9.57e-06	0.0	121.2	10.44	-8.76	0.11	-0.17	-1.05	-0.29
115	6	2.11	0.33	-1.66e-05	-11.97	0.0	14.17	-1.11	0.31	-0.18	0.33	0.89
		-0.40	-1.35	-1.37e-05	0.0	121.2	14.17	-13.08	0.31	-0.18	-1.35	-0.40
115	7	1.40	0.29	-2.11e-05	-8.52	0.0	10.44	-0.24	0.11	-0.17	0.29	0.45
		-0.29	-1.05	-9.57e-06	0.0	121.2	10.44	-8.76	0.11	-0.17	-1.05	-0.29
115	8	1.89	0.32	-1.76e-05	-10.93	0.0	13.05	-0.85	0.25	-0.18	0.32	0.76
		-0.36	-1.26	-1.25e-05	0.0	121.2	13.05	-11.78	0.25	-0.18	-1.26	-0.36
115	9	1.40	0.29	-2.11e-05	-8.52	0.0	10.44	-0.24	0.11	-0.17	0.29	0.45
		-0.29	-1.05	-9.57e-06	0.0	121.2	10.44	-8.76	0.11	-0.17	-1.05	-0.29
115	10	1.82	0.31	-1.79e-05	-10.59	0.0	12.68	-0.76	0.23	-0.18	0.31	0.71
		-0.35	-1.23	-1.20e-05	0.0	121.2	12.68	-11.35	0.23	-0.18	-1.23	-0.35
115	11	1.41	-0.38	3.99e-05	-10.59	0.0	40.34	-0.08	1.72	0.76	-0.38	0.36
		-0.84	-2.28	4.52e-04	0.0	121.2	40.34	-10.67	1.72	0.76	-2.28	-0.84
115	12	2.17	-1.61	-2.52e-05	-10.59	0.0	-0.49	-1.79	9.60	1.39	-1.61	1.08
		-0.04	-2.16	-8.39e-05	0.0	121.2	-0.49	-12.38	9.60	1.39	-2.16	-0.04
115	13	1.44	-0.63	4.68e-05	-10.59	0.0	41.34	-0.23	2.95	0.93	-0.63	0.40
		-0.83	-2.39	4.15e-04	0.0	121.2	41.34	-10.82	2.95	0.93	-2.39	-0.83
115	14	2.14	-1.37	-2.92e-05	-10.59	0.0	-1.49	-1.64	8.38	1.22	-1.37	1.04
		-0.04	-2.04	-4.60e-05	0.0	121.2	-1.49	-12.23	8.38	1.22	-2.04	-0.04
115	15	1.73	-4.64	1.07e-04	-10.59	0.0	53.08	-2.00	23.44	4.53	-5.22	0.82
		-0.75	-5.22	3.89e-04	0.0	121.2	53.08	-12.58	23.44	4.53	-4.64	-0.75
115	16	1.87	3.22	-8.19e-05	-10.59	0.0	-13.23	0.13	-12.12	-2.38	3.22	0.62
		-0.13	0.21	-2.51e-05	0.0	121.2	-13.23	-10.46	-12.12	-2.38	0.21	-0.13
115	17	1.77	-5.61	1.26e-04	-10.59	0.0	57.79	-2.35	29.24	5.55	-6.90	0.89
		-0.76	-6.90	4.01e-04	0.0	121.2	57.79	-12.94	29.24	5.55	-5.61	-0.76
115	18	1.83	4.90	-1.02e-04	-10.59	0.0	-17.94	0.49	-17.91	-3.40	4.90	0.55
		-0.12	1.18	-4.28e-05	0.0	121.2	-17.94	-10.10	-17.91	-3.40	1.18	-0.12
115	19	1.51	2.04	-1.18e-05	-10.59	0.0	24.48	0.16	-8.17	-1.59	2.04	0.39
		-0.64	-0.39	5.24e-05	0.0	121.2	24.48	-10.43	-8.17	-1.59	-0.39	-0.64
115	20	2.13	-1.41	-2.44e-05	-10.59	0.0	0.88	-1.68	8.63	1.23	-1.41	1.04
		-0.07	-2.06	-7.64e-05	0.0	121.2	0.88	-12.27	8.63	1.23	-2.06	-0.07
115	21	1.54	1.83	-9.17e-06	-10.59	0.0	25.38	0.02	-7.07	-1.43	1.83	0.42

		-0.63	-0.49	1.84e-05	0.0	121.2	25.38	-10.57	-7.07	-1.43	-0.49	-0.63
115	22	2.11	-1.20	-2.80e-05	-10.59	0.0	-0.02	-1.55	7.54	1.07	-1.20	1.01
		-0.07	-1.96	-4.25e-05	0.0	121.2	-0.02	-12.14	7.54	1.07	-1.96	-0.07
115	23	1.79	-2.29	5.94e-05	-10.59	0.0	35.90	-1.56	11.30	1.79	-2.29	0.80
		-0.56	-2.51	1.77e-05	0.0	121.2	35.90	-12.15	11.30	1.79	-2.51	-0.56
115	24	1.86	2.92	-7.42e-05	-10.59	0.0	-10.55	0.03	-10.84	-2.15	2.92	0.63
		-0.15	0.06	-2.28e-05	0.0	121.2	-10.55	-10.55	-10.84	-2.15	0.06	-0.15
115	25	1.82	-3.38	7.72e-05	-10.59	0.0	40.12	-1.88	16.50	2.71	-3.80	0.86
		-0.56	-3.80	3.30e-05	0.0	121.2	40.12	-12.47	16.50	2.71	-3.38	-0.56
115	26	1.83	4.43	-9.20e-05	-10.59	0.0	-14.76	0.36	-16.03	-3.07	4.43	0.57
		-0.14	0.93	-3.87e-05	0.0	121.2	-14.76	-10.23	-16.03	-3.07	0.93	-0.14
116	1	2.16	0.54	-2.72e-05	-19.83	0.0	-1.95	6.49	1.61	0.37	0.10	-0.86
		-0.86	0.10	7.83e-05	0.0	121.2	-1.95	-13.34	1.61	0.37	0.54	-0.83
116	2	3.06	0.51	-2.12e-05	-30.24	0.0	-2.40	10.67	2.56	0.60	0.05	-1.55
		-1.55	0.05	1.12e-04	0.0	121.2	-2.40	-19.58	2.56	0.60	0.51	-1.49
116	3	1.11	0.44	-2.89e-05	-8.84	0.0	-1.23	2.42	0.66	0.15	0.10	-0.24
		-0.24	0.10	3.92e-05	0.0	121.2	-1.23	-6.42	0.66	0.15	0.44	-0.22
116	4	2.01	0.41	-1.82e-05	-19.26	0.0	-1.68	6.60	1.60	0.38	0.05	-0.93
		-0.93	0.05	7.34e-05	0.0	121.2	-1.68	-12.66	1.60	0.38	0.41	-0.89
116	5	1.59	0.42	-2.16e-05	-14.40	0.0	-1.47	4.65	1.16	0.27	0.08	-0.61
		-0.61	0.08	5.74e-05	0.0	121.2	-1.47	-9.75	1.16	0.27	0.42	-0.58
116	6	2.19	0.40	-1.72e-05	-21.34	0.0	-1.77	7.43	1.79	0.42	0.04	-1.07
		-1.07	0.04	8.02e-05	0.0	121.2	-1.77	-13.91	1.79	0.42	0.40	-1.03
116	7	1.59	0.42	-2.16e-05	-14.40	0.0	-1.47	4.65	1.16	0.27	0.08	-0.61
		-0.61	0.08	5.74e-05	0.0	121.2	-1.47	-9.75	1.16	0.27	0.42	-0.58
116	8	2.01	0.41	-1.82e-05	-19.26	0.0	-1.68	6.60	1.60	0.38	0.05	-0.93
		-0.93	0.05	7.34e-05	0.0	121.2	-1.68	-12.66	1.60	0.38	0.41	-0.89
116	9	1.59	0.42	-2.16e-05	-14.40	0.0	-1.47	4.65	1.16	0.27	0.08	-0.61
		-0.61	0.08	5.74e-05	0.0	121.2	-1.47	-9.75	1.16	0.27	0.42	-0.58
116	10	1.95	0.41	-1.87e-05	-18.56	0.0	-1.65	6.32	1.54	0.36	0.06	-0.88
		-0.88	0.06	7.11e-05	0.0	121.2	-1.65	-12.24	1.54	0.36	0.41	-0.85
116	11	1.83	6.13	1.27e-05	-18.56	0.0	-0.06	6.07	-0.20	-0.80	2.51	-0.89
		-1.08	2.51	-9.45e-05	0.0	121.2	-0.06	-12.49	-0.20	-0.80	6.13	-1.08
116	12	2.19	1.25	-1.40e-05	-18.56	0.0	-5.67	6.11	0.15	-0.08	0.26	-0.75
		-0.75	0.26	-4.20e-05	0.0	121.2	-5.67	-12.45	0.15	-0.08	1.25	-0.49
116	13	1.87	5.94	2.01e-05	-18.56	0.0	-0.35	5.97	-0.19	-0.76	2.46	-0.86
		-1.02	2.46	-9.03e-05	0.0	121.2	-0.35	-12.59	-0.19	-0.76	5.94	-1.02
116	14	2.15	1.44	-1.73e-05	-18.56	0.0	-5.38	6.21	0.14	-0.11	0.31	-0.78
		-0.78	0.31	-4.63e-05	0.0	121.2	-5.38	-12.35	0.14	-0.11	1.44	-0.55
116	15	2.57	9.57	9.30e-05	-18.56	0.0	-6.48	4.59	-1.30	-1.42	3.68	-0.35
		-0.35	3.68	-1.83e-04	0.0	121.2	-6.48	-13.98	-1.30	-1.42	9.57	-0.14
116	16	1.45	-0.91	-7.42e-05	-18.56	0.0	0.75	7.60	1.25	0.55	-0.91	-1.29
		-1.43	-2.19	4.96e-05	0.0	121.2	0.75	-10.97	1.25	0.55	-2.19	-1.43
116	17	2.64	10.70	1.14e-04	-18.56	0.0	-7.39	4.32	-2.15	-1.77	4.22	-0.27
		-0.27	4.22	-2.52e-04	0.0	121.2	-7.39	-14.24	-2.15	-1.77	10.70	-0.09
116	18	1.38	-1.45	-9.51e-05	-18.56	0.0	1.66	7.86	2.10	0.90	-1.45	-1.38
		-1.48	-3.32	1.22e-04	0.0	121.2	1.66	-10.70	2.10	0.90	-3.32	-1.48
116	19	1.73	-0.12	-2.39e-05	-18.56	0.0	1.96	6.50	2.78	0.75	-0.12	-1.00
		-1.17	-0.35	1.72e-04	0.0	121.2	1.96	-12.06	2.78	0.75	-0.35	-1.17
116	20	2.17	1.16	-1.45e-05	-18.56	0.0	-5.25	6.13	0.30	-0.03	0.24	-0.76
		-0.76	0.24	-3.03e-05	0.0	121.2	-5.25	-12.43	0.30	-0.03	1.16	-0.53
116	21	1.77	-0.16	-2.01e-05	-18.56	0.0	1.70	6.42	2.80	0.79	-0.16	-0.97
		-1.12	-0.51	1.76e-04	0.0	121.2	1.70	-12.15	2.80	0.79	-0.51	-1.12
116	22	2.13	1.33	-1.75e-05	-18.56	0.0	-5.00	6.22	0.28	-0.07	0.28	-0.79
		-0.79	0.28	-3.42e-05	0.0	121.2	-5.00	-12.34	0.28	-0.07	1.33	-0.58
116	23	2.39	2.74	5.32e-05	-18.56	0.0	-3.79	5.17	1.80	0.20	0.93	-0.51
		-0.51	0.93	9.07e-05	0.0	121.2	-3.79	-13.39	1.80	0.20	2.74	-0.32
116	24	1.50	-0.81	-6.72e-05	-18.56	0.0	0.50	7.46	1.28	0.53	-0.81	-1.25
		-1.37	-1.92	5.15e-05	0.0	121.2	0.50	-11.10	1.28	0.53	-1.92	-1.37
116	25	2.45	3.75	7.19e-05	-18.56	0.0	-4.61	4.94	1.04	-0.12	1.41	-0.44
		-0.44	1.41	2.57e-05	0.0	121.2	-4.61	-13.63	1.04	-0.12	3.75	-0.28
116	26	1.44	-1.29	-8.60e-05	-18.56	0.0	1.32	7.70	2.04	0.84	-1.29	-1.33
		-1.41	-2.94	1.17e-04	0.0	121.2	1.32	-10.86	2.04	0.84	-2.94	-1.41
119	1	1.62	0.35	-2.83e-05	-14.45	0.0	2.75	3.90	0.03	-0.03	0.35	-0.49
		-0.65	-0.26	2.76e-05	0.0	121.2	2.75	-10.55	0.03	-0.03	-0.26	-0.65
119	2	2.03	0.42	-1.74e-05	-21.43	0.0	4.30	7.04	0.38	0.05	0.42	-1.11
		-1.32	-0.31	3.37e-05	0.0	121.2	4.30	-14.39	0.38	0.05	-0.31	-1.32
119	3	1.00	0.23	-3.36e-05	-6.82	0.0	1.17	1.07	-0.19	-0.06	0.23	7.67e-03
		-0.08	-0.17	1.76e-05	0.0	121.2	1.17	-5.75	-0.19	-0.06	-0.17	-0.08
119	4	1.41	0.30	-1.71e-05	-13.80	0.0	2.71	4.21	0.16	7.58e-03	0.30	-0.61
		-0.76	-0.22	2.36e-05	0.0	121.2	2.71	-9.59	0.16	7.58e-03	-0.22	-0.76
119	5	1.21	0.26	-2.29e-05	-10.54	0.0	1.99	2.75	-5.98e-03	-0.03	0.26	-0.32
		-0.44	-0.20	2.08e-05	0.0	121.2	1.99	-7.80	-5.98e-03	-0.03	-0.20	-0.44
119	6	1.49	0.31	-1.51e-05	-15.19	0.0	3.02	4.84	0.22	0.02	0.31	-0.74

119	7	-0.89	-0.23	2.48e-05	0.0	121.2	3.02	-10.36	0.22	0.02	-0.23	-0.89
		1.21	0.26	-2.29e-05	-10.54	0.0	1.99	2.75	-5.98e-03	-0.03	0.26	-0.32
		-0.44	-0.20	2.08e-05	0.0	121.2	1.99	-7.80	-5.98e-03	-0.03	-0.20	-0.44
119	8	1.41	0.30	-1.71e-05	-13.80	0.0	2.71	4.21	0.16	7.58e-03	0.30	-0.61
		-0.76	-0.22	2.36e-05	0.0	121.2	2.71	-9.59	0.16	7.58e-03	-0.22	-0.76
119	9	1.21	0.26	-2.29e-05	-10.54	0.0	1.99	2.75	-5.98e-03	-0.03	0.26	-0.32
		-0.44	-0.20	2.08e-05	0.0	121.2	1.99	-7.80	-5.98e-03	-0.03	-0.20	-0.44
119	10	1.38	0.29	-1.78e-05	-13.33	0.0	2.61	4.00	0.13	2.84e-03	0.29	-0.57
		-0.71	-0.22	2.32e-05	0.0	121.2	2.61	-9.33	0.13	2.84e-03	-0.22	-0.71
119	11	1.12	-3.21	2.21e-05	-13.33	0.0	22.64	4.06	3.41	0.68	-3.36	-0.70
		-1.12	-3.36	1.43e-04	0.0	121.2	22.64	-9.28	3.41	0.68	-3.21	-1.12
119	12	1.65	0.30	-1.99e-05	-13.33	0.0	-10.47	3.46	-0.04	-0.15	0.30	-0.34
		-0.41	-0.82	-2.15e-05	0.0	121.2	-10.47	-9.87	-0.04	-0.15	-0.82	-0.41
119	13	1.13	-3.10	2.89e-05	-13.33	0.0	22.76	3.97	3.23	0.63	-3.16	-0.67
		-1.10	-3.16	1.25e-04	0.0	121.2	22.76	-9.36	3.23	0.63	-3.10	-1.10
119	14	1.63	0.10	-2.41e-05	-13.33	0.0	-10.58	3.55	0.14	-0.09	0.10	-0.36
		-0.43	-0.93	-3.32e-06	0.0	121.2	-10.58	-9.79	0.14	-0.09	-0.93	-0.43
119	15	1.44	-3.93	9.01e-05	-13.33	0.0	21.87	2.61	5.21	0.85	-3.93	-0.24
		-0.94	-4.63	9.41e-05	0.0	121.2	21.87	-10.73	5.21	0.85	-4.63	-0.94
119	16	1.33	0.87	-8.09e-05	-13.33	0.0	-9.70	4.91	-1.84	-0.31	0.87	-0.80
		-0.80	0.60	3.29e-05	0.0	121.2	-9.70	-8.42	-1.84	-0.31	0.60	-0.59
119	17	1.50	-4.49	1.09e-04	-13.33	0.0	23.10	2.27	5.83	0.89	-4.49	-0.14
		-0.92	-5.37	7.23e-05	0.0	121.2	23.10	-11.07	5.83	0.89	-5.37	-0.92
119	18	1.27	1.43	-1.00e-04	-13.33	0.0	-10.93	5.25	-2.46	-0.35	1.43	-0.89
		-0.89	1.34	6.83e-05	0.0	121.2	-10.93	-8.08	-2.46	-0.35	1.34	-0.61
119	19	1.14	0.32	-1.60e-05	-13.33	0.0	14.33	4.48	0.29	0.14	0.28	-0.78
		-0.98	0.28	6.32e-05	0.0	121.2	14.33	-8.85	0.29	0.14	0.32	-0.98
119	20	1.62	0.30	-1.97e-05	-13.33	0.0	-9.12	3.52	-0.02	-0.13	0.30	-0.36
		-0.44	-0.76	-1.68e-05	0.0	121.2	-9.12	-9.82	-0.02	-0.13	-0.76	-0.44
119	21	1.15	0.46	-1.24e-05	-13.33	0.0	14.44	4.41	0.12	0.09	0.46	-0.76
		-0.97	0.42	4.69e-05	0.0	121.2	14.44	-8.93	0.12	0.09	0.42	-0.97
119	22	1.60	0.12	-2.34e-05	-13.33	0.0	-9.22	3.59	0.14	-0.08	0.12	-0.38
		-0.45	-0.86	2.87e-06	0.0	121.2	-9.22	-9.74	0.14	-0.08	-0.86	-0.45
119	23	1.42	-0.23	4.80e-05	-13.33	0.0	13.64	3.18	1.90	0.28	-0.23	-0.37
		-0.82	-0.95	1.51e-05	0.0	121.2	13.64	-10.15	1.90	0.28	-0.95	-0.82
119	24	1.33	0.81	-7.38e-05	-13.33	0.0	-8.42	4.82	-1.63	-0.28	0.81	-0.77
		-0.77	0.51	3.19e-05	0.0	121.2	-8.42	-8.52	-1.63	-0.28	0.51	-0.60
119	25	1.48	-0.73	6.53e-05	-13.33	0.0	14.74	2.88	2.46	0.32	-0.73	-0.29
		-0.80	-1.62	-1.73e-05	0.0	121.2	14.74	-10.46	2.46	0.32	-1.62	-0.80
119	26	1.28	1.31	-9.12e-05	-13.33	0.0	-9.53	5.12	-2.19	-0.31	1.31	-0.86
		-0.86	1.18	6.36e-05	0.0	121.2	-9.53	-8.21	-2.19	-0.31	1.18	-0.62
120	1	-0.47	-0.64	-1.61e-04	-7.84	0.0	-0.26	4.09	0.22	0.58	-0.64	-1.14
		-1.21	-1.87	4.32e-05	0.0	72.0	-0.26	-3.75	0.22	0.58	-1.87	-1.21
120	2	-0.91	-0.93	-3.01e-04	-11.51	0.0	-1.73	6.40	0.21	0.69	-0.93	-1.88
		-2.02	-2.35	5.58e-05	0.0	72.0	-1.73	-5.10	0.21	0.69	-2.35	-2.02
120	3	-0.09	-0.32	-3.69e-05	-3.77	0.0	0.70	1.72	0.17	0.38	-0.32	-0.42
		-0.44	-1.14	2.55e-05	0.0	72.0	0.70	-2.05	0.17	0.38	-1.14	-0.44
120	4	-0.53	-0.61	-1.78e-04	-7.44	0.0	-0.77	4.04	0.17	0.49	-0.61	-1.16
		-1.24	-1.62	3.81e-05	0.0	72.0	-0.77	-3.40	0.17	0.49	-1.62	-1.24
120	5	-0.32	-0.47	-1.12e-04	-5.73	0.0	-0.08	2.96	0.17	0.44	-0.47	-0.81
		-0.87	-1.40	3.22e-05	0.0	72.0	-0.08	-2.77	0.17	0.44	-1.40	-0.87
120	6	-0.62	-0.66	-2.06e-04	-8.17	0.0	-1.06	4.50	0.17	0.51	-0.66	-1.31
		-1.40	-1.72	4.06e-05	0.0	72.0	-1.06	-3.67	0.17	0.51	-1.72	-1.40
120	7	-0.32	-0.47	-1.12e-04	-5.73	0.0	-0.08	2.96	0.17	0.44	-0.47	-0.81
		-0.87	-1.40	3.22e-05	0.0	72.0	-0.08	-2.77	0.17	0.44	-1.40	-0.87
120	8	-0.53	-0.61	-1.78e-04	-7.44	0.0	-0.77	4.04	0.17	0.49	-0.61	-1.16
		-1.24	-1.62	3.81e-05	0.0	72.0	-0.77	-3.40	0.17	0.49	-1.62	-1.24
120	9	-0.32	-0.47	-1.12e-04	-5.73	0.0	-0.08	2.96	0.17	0.44	-0.47	-0.81
		-0.87	-1.40	3.22e-05	0.0	72.0	-0.08	-2.77	0.17	0.44	-1.40	-0.87
120	10	-0.50	-0.59	-1.68e-04	-7.19	0.0	-0.67	3.88	0.17	0.48	-0.59	-1.11
		-1.19	-1.59	3.73e-05	0.0	72.0	-0.67	-3.31	0.17	0.48	-1.59	-1.19
120	11	-4.80e-03	2.52	-1.22e-04	-7.19	0.0	-14.01	1.47	-2.00	0.33	2.52	-0.61
		-0.69	0.10	1.76e-04	0.0	72.0	-14.01	-5.73	-2.00	0.33	0.10	-0.69
120	12	-0.60	-0.51	-3.93e-04	-7.19	0.0	2.80	4.89	-0.16	0.78	-0.51	-1.20
		-1.30	-2.59	-7.00e-06	0.0	72.0	2.80	-2.31	-0.16	0.78	-2.59	-1.30
120	13	0.02	2.26	-1.57e-04	-7.19	0.0	-13.37	1.48	-2.04	0.31	2.26	-0.59
		-0.66	-0.17	1.67e-04	0.0	72.0	-13.37	-5.72	-2.04	0.31	-0.17	-0.66
120	14	-0.63	-0.25	-3.58e-04	-7.19	0.0	2.15	4.87	-0.13	0.80	-0.25	-1.22
		-1.32	-2.32	5.05e-06	0.0	72.0	2.15	-2.32	-0.13	0.80	-2.32	-1.32
120	15	0.37	2.32	-7.28e-04	-7.19	0.0	-12.32	2.03	-4.09	1.08	2.32	-0.30
		-0.30	-4.31	2.04e-04	0.0	72.0	-12.32	-5.17	-4.09	1.08	-4.31	-0.25
120	16	-0.98	1.82	2.14e-04	-7.19	0.0	1.10	4.33	1.93	0.03	-0.31	-1.52
		-1.73	-0.31	-3.57e-05	0.0	72.0	1.10	-2.87	1.93	0.03	1.82	-1.73
120	17	0.48	2.66	-8.48e-04	-7.19	0.0	-13.16	1.83	-4.78	1.12	2.66	-0.18

120	18	-0.18	-4.67	2.01e-04	0.0	72.0	-13.16	-5.37	-4.78	1.12	-4.67	-0.15
		-1.09	2.19	3.34e-04	-7.19	0.0	1.95	4.53	2.62	-0.01	-0.65	-1.64
		-1.84	-0.65	-3.26e-05	0.0	72.0	1.95	-2.67	2.62	-0.01	-2.19	-1.84
120	19	-0.41	-0.66	3.30e-05	-7.19	0.0	-3.78	2.98	0.46	0.21	-0.66	-1.03
		-1.09	-0.69	7.69e-05	0.0	72.0	-3.78	-4.22	0.46	0.21	-0.69	-1.09
120	20	-0.59	-0.51	-3.70e-04	-7.19	0.0	2.44	4.78	-0.13	0.75	-0.51	-1.19
		-1.28	-2.49	3.21e-06	0.0	72.0	2.44	-2.41	-0.13	0.75	-2.49	-1.28
120	21	-0.39	-0.89	1.78e-06	-7.19	0.0	-3.20	2.99	0.43	0.19	-0.89	-1.01
		-1.06	-0.94	6.88e-05	0.0	72.0	-3.20	-4.20	0.43	0.19	-0.94	-1.06
120	22	-0.61	-0.28	-3.38e-04	-7.19	0.0	1.86	4.77	-0.10	0.76	-0.28	-1.21
		-1.31	-2.24	7.43e-06	0.0	72.0	1.86	-2.42	-0.10	0.76	-2.24	-1.31
120	23	-0.07	-0.84	-5.11e-04	-7.19	0.0	-2.26	3.48	-1.41	0.88	-0.84	-0.74
		-0.74	-4.65	1.03e-04	0.0	72.0	-2.26	-3.71	-1.41	0.88	-4.65	-0.70
120	24	-0.93	1.47	1.74e-04	-7.19	0.0	0.92	4.28	1.74	0.08	-0.34	-1.48
		-1.68	-0.34	-2.81e-05	0.0	72.0	0.92	-2.92	1.74	0.08	1.47	-1.68
120	25	0.03	-0.53	-6.18e-04	-7.19	0.0	-3.02	3.30	-2.03	0.92	-0.53	-0.64
		-0.64	-4.98	9.98e-05	0.0	72.0	-3.02	-3.89	-2.03	0.92	-4.98	-0.60
120	26	-1.03	1.79	2.82e-04	-7.19	0.0	1.68	4.46	2.37	0.04	-0.64	-1.58
		-1.77	-0.64	-2.53e-05	0.0	72.0	1.68	-2.74	2.37	0.04	1.79	-1.77
122	1	0.67	-0.20	3.80e-05	-11.31	0.0	-10.98	5.44	-0.11	-0.14	-0.33	-0.92
		-0.92	-0.33	-4.56e-05	0.0	104.1	-10.98	-5.87	-0.11	-0.14	-0.20	-0.67
122	2	0.76	-0.37	6.61e-05	-16.60	0.0	-15.88	8.71	-0.68	-0.32	-0.44	-1.57
		-1.57	-0.44	-6.86e-05	0.0	104.1	-15.88	-7.89	-0.68	-0.32	-0.37	-1.24
122	3	0.47	-0.05	1.20e-05	-5.45	0.0	-5.44	2.17	0.26	6.64e-03	-0.19	-0.31
		-0.31	-0.19	-2.09e-05	0.0	104.1	-5.44	-3.28	0.26	6.64e-03	-0.05	-0.17
122	4	0.55	-0.22	4.00e-05	-10.74	0.0	-10.33	5.44	-0.30	-0.18	-0.30	-0.96
		-0.96	-0.30	-4.39e-05	0.0	104.1	-10.33	-5.29	-0.30	-0.18	-0.22	-0.73
122	5	0.51	-0.14	2.70e-05	-8.27	0.0	-8.05	3.92	-0.04	-0.09	-0.25	-0.66
		-0.66	-0.25	-3.32e-05	0.0	104.1	-8.05	-4.35	-0.04	-0.09	-0.14	-0.47
122	6	0.57	-0.25	4.57e-05	-11.80	0.0	-11.31	6.10	-0.42	-0.21	-0.32	-1.09
		-1.09	-0.32	-4.86e-05	0.0	104.1	-11.31	-5.70	-0.42	-0.21	-0.25	-0.85
122	7	0.51	-0.14	2.70e-05	-8.27	0.0	-8.05	3.92	-0.04	-0.09	-0.25	-0.66
		-0.66	-0.25	-3.32e-05	0.0	104.1	-8.05	-4.35	-0.04	-0.09	-0.14	-0.47
122	8	0.55	-0.22	4.00e-05	-10.74	0.0	-10.33	5.44	-0.30	-0.18	-0.30	-0.96
		-0.96	-0.30	-4.39e-05	0.0	104.1	-10.33	-5.29	-0.30	-0.18	-0.22	-0.73
122	9	0.51	-0.14	2.70e-05	-8.27	0.0	-8.05	3.92	-0.04	-0.09	-0.25	-0.66
		-0.66	-0.25	-3.32e-05	0.0	104.1	-8.05	-4.35	-0.04	-0.09	-0.14	-0.47
122	10	0.55	-0.21	3.82e-05	-10.38	0.0	-10.00	5.22	-0.27	-0.16	-0.29	-0.92
		-0.92	-0.29	-4.24e-05	0.0	104.1	-10.00	-5.16	-0.27	-0.16	-0.21	-0.70
122	11	0.58	-2.67	4.18e-05	-10.38	0.0	-4.53	4.40	1.98	0.55	-2.67	-0.73
		-0.82	-2.85	2.05e-04	0.0	104.1	-4.53	-5.99	1.98	0.55	-2.85	-0.82
122	12	0.54	-0.25	8.41e-05	-10.38	0.0	-13.76	5.59	0.19	-0.15	-0.37	-0.98
		-0.98	-0.37	-1.24e-04	0.0	104.1	-13.76	-4.79	0.19	-0.15	-0.25	-0.65
122	13	0.57	-2.57	4.77e-05	-10.38	0.0	-4.49	4.40	1.70	0.47	-2.57	-0.74
		-0.81	-2.75	1.82e-04	0.0	104.1	-4.49	-5.98	1.70	0.47	-2.75	-0.81
122	14	0.54	-0.35	7.83e-05	-10.38	0.0	-13.80	5.58	0.47	-0.07	-0.47	-0.98
		-0.98	-0.47	-1.01e-04	0.0	104.1	-13.80	-4.80	0.47	-0.07	-0.35	-0.65
122	15	0.57	-3.81	1.85e-04	-10.38	0.0	-3.15	4.01	3.45	0.69	-3.81	-0.64
		-0.92	-3.85	1.28e-04	0.0	104.1	-3.15	-6.37	3.45	0.69	-3.85	-0.92
122	16	0.55	0.77	-5.87e-05	-10.38	0.0	-15.14	5.98	-1.28	-0.29	0.77	-1.08
		-1.08	0.75	-4.69e-05	0.0	104.1	-15.14	-4.41	-1.28	-0.29	0.75	-0.55
122	17	0.57	-4.11	2.06e-04	-10.38	0.0	-2.16	3.94	3.51	0.65	-4.11	-0.62
		-0.94	-4.16	9.49e-05	0.0	104.1	-2.16	-6.44	3.51	0.65	-4.16	-0.94
122	18	0.56	1.07	-7.96e-05	-10.38	0.0	-16.13	6.04	-1.34	-0.25	1.07	-1.09
		-1.09	1.05	-1.54e-05	0.0	104.1	-16.13	-4.34	-1.34	-0.25	1.05	-0.53
122	19	0.55	-0.17	-4.95e-06	-10.38	0.0	-6.63	4.90	-0.67	-0.17	-0.21	-0.86
		-0.86	-0.21	3.09e-05	0.0	104.1	-6.63	-5.49	-0.67	-0.17	-0.17	-0.74
122	20	0.54	-0.25	7.94e-05	-10.38	0.0	-13.37	5.55	0.14	-0.15	-0.36	-0.97
		-0.97	-0.36	-1.16e-04	0.0	104.1	-13.37	-4.83	0.14	-0.15	-0.25	-0.66
122	21	0.55	-0.08	-2.24e-06	-10.38	0.0	-6.60	4.90	-0.92	-0.25	-0.12	-0.86
		-0.86	-0.12	1.02e-05	0.0	104.1	-6.60	-5.48	-0.92	-0.25	-0.08	-0.73
122	22	0.54	-0.34	7.41e-05	-10.38	0.0	-13.41	5.55	0.39	-0.08	-0.45	-0.97
		-0.97	-0.45	-9.50e-05	0.0	104.1	-13.41	-4.84	0.39	-0.08	-0.34	-0.66
122	23	0.55	-1.06	1.25e-04	-10.38	0.0	-5.40	4.55	0.65	-0.05	-1.23	-0.77
		-0.83	-1.23	-3.84e-05	0.0	104.1	-5.40	-5.83	0.65	-0.05	-1.06	-0.83
122	24	0.55	0.66	-4.87e-05	-10.38	0.0	-14.61	5.90	-1.18	-0.28	0.66	-1.06
		-1.06	0.65	-4.64e-05	0.0	104.1	-14.61	-4.49	-1.18	-0.28	0.65	-0.56
122	25	0.55	-1.34	1.44e-04	-10.38	0.0	-4.51	4.49	0.70	-0.08	-1.51	-0.76
		-0.84	-1.51	-6.79e-05	0.0	104.1	-4.51	-5.89	0.70	-0.08	-1.34	-0.84
122	26	0.55	0.93	-6.74e-05	-10.38	0.0	-15.50	5.96	-1.23	-0.24	0.93	-1.07
		-1.07	0.92	-1.73e-05	0.0	104.1	-15.50	-4.43	-1.23	-0.24	0.92	-0.55
123	1	1.21	-0.20	3.78e-05	-15.44	0.0	-8.70	5.51	-3.20e-03	-0.10	-0.28	-0.85
		-0.85	-0.28	-5.68e-05	0.0	104.1	-8.70	-9.93	-3.20e-03	-0.10	-0.20	-0.74
123	2	1.69	-0.20	6.53e-05	-23.37	0.0	-17.13	8.70	-0.35	-0.22	-0.33	-1.38

123	3	-1.38	-0.33	-9.34e-05	0.0	104.1	-17.13	-14.68	-0.35	-0.22	-0.20	-1.33
		0.64	-0.15	1.22e-05	-7.00	0.0	-1.51	2.28	0.21	-2.33e-04	-0.18	-0.33
		-0.33	-0.18	-2.12e-05	0.0	104.1	-1.51	-4.72	0.21	-2.33e-04	-0.15	-0.21
123	4	1.11	-0.15	3.97e-05	-14.93	0.0	-9.93	5.47	-0.14	-0.12	-0.23	-0.86
		-0.86	-0.23	-5.78e-05	0.0	104.1	-9.93	-9.46	-0.14	-0.12	-0.15	-0.80
123	5	0.89	-0.15	2.69e-05	-11.23	0.0	-6.00	3.98	0.03	-0.07	-0.21	-0.61
		-0.61	-0.21	-4.07e-05	0.0	104.1	-6.00	-7.25	0.03	-0.07	-0.15	-0.52
123	6	1.21	-0.15	4.52e-05	-16.52	0.0	-11.62	6.10	-0.21	-0.15	-0.24	-0.97
		-0.97	-0.24	-6.51e-05	0.0	104.1	-11.62	-10.41	-0.21	-0.15	-0.15	-0.91
123	7	0.89	-0.15	2.69e-05	-11.23	0.0	-6.00	3.98	0.03	-0.07	-0.21	-0.61
		-0.61	-0.21	-4.07e-05	0.0	104.1	-6.00	-7.25	0.03	-0.07	-0.15	-0.52
123	8	1.11	-0.15	3.97e-05	-14.93	0.0	-9.93	5.47	-0.14	-0.12	-0.23	-0.86
		-0.86	-0.23	-5.78e-05	0.0	104.1	-9.93	-9.46	-0.14	-0.12	-0.15	-0.80
123	9	0.89	-0.15	2.69e-05	-11.23	0.0	-6.00	3.98	0.03	-0.07	-0.21	-0.61
		-0.61	-0.21	-4.07e-05	0.0	104.1	-6.00	-7.25	0.03	-0.07	-0.15	-0.52
123	10	1.08	-0.15	3.78e-05	-14.40	0.0	-9.37	5.25	-0.11	-0.12	-0.23	-0.82
		-0.82	-0.23	-5.54e-05	0.0	104.1	-9.37	-9.15	-0.11	-0.12	-0.15	-0.76
123	11	1.16	0.15	4.28e-05	-14.40	0.0	-20.61	4.46	-2.03	-1.02	-1.15	-0.62
		-0.80	-1.15	-2.97e-04	0.0	104.1	-20.61	-9.94	-2.03	-1.02	0.15	-0.80
123	12	1.14	-0.24	8.63e-05	-14.40	0.0	-5.71	5.38	-1.60	-0.54	-0.24	-0.83
		-0.83	-0.55	-1.37e-04	0.0	104.1	-5.71	-9.02	-1.60	-0.54	-0.55	-0.64
123	13	1.18	0.17	4.89e-05	-14.40	0.0	-20.41	4.45	-2.07	-1.00	-1.08	-0.62
		-0.78	-1.08	-2.96e-04	0.0	104.1	-20.41	-9.95	-2.07	-1.00	0.17	-0.78
123	14	1.13	-0.32	8.02e-05	-14.40	0.0	-5.91	5.40	-1.56	-0.56	-0.32	-0.83
		-0.83	-0.57	-1.38e-04	0.0	104.1	-5.91	-9.00	-1.56	-0.56	-0.57	-0.66
123	15	1.45	-0.48	1.95e-04	-14.40	0.0	-31.74	3.42	-5.39	-2.12	-1.54	-0.30
		-0.56	-1.54	-5.26e-04	0.0	104.1	-31.74	-10.98	-5.39	-2.12	-0.48	-0.56
123	16	0.86	0.15	-6.62e-05	-14.40	0.0	5.42	6.42	1.76	0.56	0.15	-1.15
		-1.15	0.08	9.11e-05	0.0	104.1	5.42	-7.98	1.76	0.56	0.08	-0.88
123	17	1.48	-0.57	2.17e-04	-14.40	0.0	-32.70	3.26	-6.28	-2.39	-1.55	-0.26
		-0.53	-1.55	-5.94e-04	0.0	104.1	-32.70	-11.14	-6.28	-2.39	-0.57	-0.53
123	18	0.82	0.18	-8.78e-05	-14.40	0.0	6.38	6.58	2.65	0.83	0.15	-1.19
		-1.19	0.15	1.59e-04	0.0	104.1	6.38	-7.82	2.65	0.83	0.18	-0.91
123	19	1.03	0.20	-9.21e-06	-14.40	0.0	-12.65	5.14	1.22	0.27	-0.22	-0.82
		-0.86	-0.22	1.82e-05	0.0	104.1	-12.65	-9.26	1.22	0.27	0.20	-0.86
123	20	1.13	-0.24	8.12e-05	-14.40	0.0	-6.09	5.37	-1.44	-0.50	-0.24	-0.83
		-0.83	-0.51	-1.29e-04	0.0	104.1	-6.09	-9.03	-1.44	-0.50	-0.51	-0.65
123	21	1.04	0.22	-6.33e-06	-14.40	0.0	-12.48	5.12	1.18	0.28	-0.15	-0.82
		-0.84	-0.15	1.91e-05	0.0	104.1	-12.48	-9.28	1.18	0.28	0.22	-0.84
123	22	1.12	-0.31	7.58e-05	-14.40	0.0	-6.27	5.38	-1.41	-0.51	-0.31	-0.83
		-0.83	-0.53	-1.30e-04	0.0	104.1	-6.27	-9.02	-1.41	-0.51	-0.53	-0.67
123	23	1.29	-0.36	1.31e-04	-14.40	0.0	-22.63	4.20	-1.79	-0.72	-0.57	-0.53
		-0.64	-0.57	-1.87e-04	0.0	104.1	-22.63	-10.20	-1.79	-0.72	-0.36	-0.64
123	24	0.88	0.11	-5.55e-05	-14.40	0.0	3.89	6.30	1.56	0.49	0.11	-1.12
		-1.12	0.06	7.59e-05	0.0	104.1	3.89	-8.10	1.56	0.49	0.06	-0.87
123	25	1.32	-0.45	1.50e-04	-14.40	0.0	-23.49	4.06	-2.59	-0.97	-0.57	-0.49
		-0.62	-0.57	-2.48e-04	0.0	104.1	-23.49	-10.34	-2.59	-0.97	-0.45	-0.62
123	26	0.85	0.14	-7.47e-05	-14.40	0.0	4.75	6.45	2.36	0.74	0.11	-1.15
		-1.15	0.11	1.37e-04	0.0	104.1	4.75	-7.95	2.36	0.74	0.14	-0.89
126	1	0.58	-0.41	3.90e-05	-10.28	0.0	-15.78	5.10	0.18	-0.09	-0.70	-0.85
		-0.85	-0.70	-3.13e-05	0.0	104.1	-15.78	-5.18	0.18	-0.09	-0.41	-0.66
126	2	0.54	-0.64	6.82e-05	-14.91	0.0	-22.51	8.46	-0.43	-0.28	-0.90	-1.54
		-1.54	-0.90	-4.73e-05	0.0	104.1	-22.51	-6.45	-0.43	-0.28	-0.64	-1.25
126	3	0.47	-0.18	1.20e-05	-5.06	0.0	-8.00	1.85	0.51	0.05	-0.42	-0.23
		-0.23	-0.42	-1.43e-05	0.0	104.1	-8.00	-3.20	0.51	0.05	-0.18	-0.15
126	4	0.43	-0.41	4.12e-05	-9.69	0.0	-14.73	5.22	-0.09	-0.14	-0.62	-0.92
		-0.92	-0.62	-3.02e-05	0.0	104.1	-14.73	-4.47	-0.09	-0.14	-0.41	-0.74
126	5	0.45	-0.30	2.76e-05	-7.53	0.0	-11.59	3.65	0.19	-0.05	-0.52	-0.60
		-0.60	-0.52	-2.28e-05	0.0	104.1	-11.59	-3.88	0.19	-0.05	-0.30	-0.46
126	6	0.43	-0.45	4.71e-05	-10.62	0.0	-16.07	5.89	-0.22	-0.18	-0.66	-1.06
		-1.06	-0.66	-3.34e-05	0.0	104.1	-16.07	-4.73	-0.22	-0.18	-0.45	-0.86
126	7	0.45	-0.30	2.76e-05	-7.53	0.0	-11.59	3.65	0.19	-0.05	-0.52	-0.60
		-0.60	-0.52	-2.28e-05	0.0	104.1	-11.59	-3.88	0.19	-0.05	-0.30	-0.46
126	8	0.43	-0.41	4.12e-05	-9.69	0.0	-14.73	5.22	-0.09	-0.14	-0.62	-0.92
		-0.92	-0.62	-3.02e-05	0.0	104.1	-14.73	-4.47	-0.09	-0.14	-0.41	-0.74
126	9	0.45	-0.30	2.76e-05	-7.53	0.0	-11.59	3.65	0.19	-0.05	-0.52	-0.60
		-0.60	-0.52	-2.28e-05	0.0	104.1	-11.59	-3.88	0.19	-0.05	-0.30	-0.46
126	10	0.44	-0.39	3.93e-05	-9.38	0.0	-14.28	4.99	-0.05	-0.13	-0.60	-0.87
		-0.87	-0.60	-2.92e-05	0.0	104.1	-14.28	-4.39	-0.05	-0.13	-0.39	-0.70
126	11	0.31	-0.98	4.32e-05	-9.38	0.0	-3.64	4.83	1.73	0.76	-0.98	-0.92
		-0.92	-1.71	3.09e-04	0.0	104.1	-3.64	-4.55	1.73	0.76	-1.71	-0.90
126	12	0.53	-0.46	8.45e-05	-9.38	0.0	-19.67	4.84	1.03	0.02	-0.89	-0.79
		-0.79	-0.89	-1.14e-04	0.0	104.1	-19.67	-4.54	1.03	0.02	-0.46	-0.60
126	13	0.31	-1.00	4.90e-05	-9.38	0.0	-3.58	4.85	1.52	0.68	-1.00	-0.93

126	14	-0.93	-1.69	2.83e-04	0.0	104.1	-3.58	-4.53	1.52	0.68	-1.69	-0.90
		0.53	-0.47	7.87e-05	-9.38	0.0	-19.74	4.83	1.24	0.10	-0.87	-0.78
		-0.78	-0.87	-8.87e-05	0.0	104.1	-19.74	-4.55	1.24	0.10	-0.47	-0.60
126	15	0.28	-2.27	1.85e-04	-9.38	0.0	2.37	4.35	4.51	1.25	-2.27	-0.85
		-1.03	-2.53	2.64e-04	0.0	104.1	2.37	-5.03	4.51	1.25	-2.53	-1.03
126	16	0.56	0.39	-5.73e-05	-9.38	0.0	-25.68	5.33	-1.76	-0.46	0.39	-0.85
		-0.85	0.36	-6.88e-05	0.0	104.1	-25.68	-4.05	-1.76	-0.46	0.36	-0.47
126	17	0.27	-2.61	2.06e-04	-9.38	0.0	4.11	4.29	4.85	1.28	-2.61	-0.85
		-1.05	-2.81	2.42e-04	0.0	104.1	4.11	-5.09	4.85	1.28	-2.81	-1.05
126	18	0.58	0.73	-7.81e-05	-9.38	0.0	-27.43	5.38	-2.09	-0.50	0.73	-0.86
		-0.86	0.64	-4.74e-05	0.0	104.1	-27.43	-4.00	-2.09	-0.50	0.64	-0.45
126	19	0.35	-0.34	-2.72e-06	-9.38	0.0	-9.45	5.13	-1.03	-0.26	-0.35	-0.95
		-0.95	-0.35	4.72e-05	0.0	104.1	-9.45	-4.25	-1.03	-0.26	-0.34	-0.79
126	20	0.52	-0.45	7.98e-05	-9.38	0.0	-19.11	4.86	0.92	7.32e-03	-0.86	-0.79
		-0.79	-0.86	-1.06e-04	0.0	104.1	-19.11	-4.52	0.92	7.32e-03	-0.45	-0.61
126	21	0.35	-0.32	4.00e-06	-9.38	0.0	-9.39	5.14	-1.21	-0.33	-0.37	-0.96
		-0.96	-0.37	2.42e-05	0.0	104.1	-9.39	-4.24	-1.21	-0.33	-0.32	-0.79
126	22	0.52	-0.46	7.46e-05	-9.38	0.0	-19.17	4.85	1.11	0.08	-0.84	-0.79
		-0.79	-0.84	-8.25e-05	0.0	104.1	-19.17	-4.53	1.11	0.08	-0.46	-0.61
126	23	0.33	-1.07	1.26e-04	-9.38	0.0	-4.06	4.69	1.47	0.17	-1.50	-0.89
		-0.90	-1.50	1.13e-05	0.0	104.1	-4.06	-4.69	1.47	0.17	-1.07	-0.90
126	24	0.55	0.29	-4.73e-05	-9.38	0.0	-24.50	5.29	-1.58	-0.43	0.29	-0.86
		-0.86	0.28	-6.47e-05	0.0	104.1	-24.50	-4.09	-1.58	-0.43	0.28	-0.50
126	25	0.32	-1.32	1.44e-04	-9.38	0.0	-2.50	4.64	1.77	0.20	-1.80	-0.89
		-0.92	-1.80	-1.28e-05	0.0	104.1	-2.50	-4.74	1.77	0.20	-1.32	-0.92
126	26	0.56	0.59	-6.59e-05	-9.38	0.0	-26.07	5.34	-1.88	-0.46	0.59	-0.86
		-0.86	0.54	-4.55e-05	0.0	104.1	-26.07	-4.04	-1.88	-0.46	0.54	-0.47
127	1	0.99	-0.15	3.71e-05	-14.41	0.0	-6.00	5.36	-0.30	-0.15	-0.15	-0.85
		-0.92	-0.15	-5.34e-05	0.0	104.1	-6.00	-9.05	-0.30	-0.15	-0.15	-0.92
127	2	1.31	-0.21	6.42e-05	-21.68	0.0	-11.79	8.58	-0.78	-0.31	-0.21	-1.42
		-1.61	-0.24	-8.78e-05	0.0	104.1	-11.79	-13.11	-0.78	-0.31	-0.24	-1.61
127	3	0.56	-0.06	1.19e-05	-6.61	0.0	-1.05	2.14	0.07	-0.02	-0.08	-0.31
		-0.31	-0.08	-1.99e-05	0.0	104.1	-1.05	-4.46	0.07	-0.02	-0.06	-0.29
127	4	0.88	-0.14	3.90e-05	-13.88	0.0	-6.85	5.36	-0.42	-0.18	-0.14	-0.87
		-0.97	-0.15	-5.43e-05	0.0	104.1	-6.85	-8.52	-0.42	-0.18	-0.15	-0.97
127	5	0.73	-0.11	2.64e-05	-10.49	0.0	-4.14	3.86	-0.19	-0.10	-0.11	-0.61
		-0.65	-0.11	-3.83e-05	0.0	104.1	-4.14	-6.63	-0.19	-0.10	-0.11	-0.65
127	6	0.95	-0.15	4.44e-05	-15.34	0.0	-8.00	6.00	-0.51	-0.21	-0.15	-0.99
		-1.11	-0.17	-6.12e-05	0.0	104.1	-8.00	-9.33	-0.51	-0.21	-0.17	-1.11
127	7	0.73	-0.11	2.64e-05	-10.49	0.0	-4.14	3.86	-0.19	-0.10	-0.11	-0.61
		-0.65	-0.11	-3.83e-05	0.0	104.1	-4.14	-6.63	-0.19	-0.10	-0.11	-0.65
127	8	0.88	-0.14	3.90e-05	-13.88	0.0	-6.85	5.36	-0.42	-0.18	-0.14	-0.87
		-0.97	-0.15	-5.43e-05	0.0	104.1	-6.85	-8.52	-0.42	-0.18	-0.15	-0.97
127	9	0.73	-0.11	2.64e-05	-10.49	0.0	-4.14	3.86	-0.19	-0.10	-0.11	-0.61
		-0.65	-0.11	-3.83e-05	0.0	104.1	-4.14	-6.63	-0.19	-0.10	-0.11	-0.65
127	10	0.86	-0.13	3.72e-05	-13.40	0.0	-6.46	5.15	-0.38	-0.17	-0.13	-0.84
		-0.93	-0.15	-5.20e-05	0.0	104.1	-6.46	-8.25	-0.38	-0.17	-0.15	-0.93
127	11	0.89	-2.11	4.14e-05	-13.40	0.0	-13.53	4.52	-1.19	-0.65	-2.58	-0.67
		-1.03	-2.58	-2.22e-04	0.0	104.1	-13.53	-8.88	-1.19	-0.65	-2.11	-1.03
127	12	0.93	-0.15	8.51e-05	-13.40	0.0	-5.06	5.22	-1.47	-0.50	-0.15	-0.83
		-0.83	-0.51	-1.29e-04	0.0	104.1	-5.06	-8.17	-1.47	-0.50	-0.51	-0.79
127	13	0.90	-1.99	4.73e-05	-13.40	0.0	-13.42	4.50	-1.32	-0.67	-2.43	-0.67
		-1.01	-2.43	-2.25e-04	0.0	104.1	-13.42	-8.90	-1.32	-0.67	-1.99	-1.01
127	14	0.92	-0.30	7.92e-05	-13.40	0.0	-5.18	5.24	-1.34	-0.48	-0.30	-0.83
		-0.83	-0.63	-1.26e-04	0.0	104.1	-5.18	-8.16	-1.34	-0.48	-0.63	-0.81
127	15	1.08	-3.41	1.90e-04	-13.40	0.0	-21.74	3.67	-3.64	-1.49	-3.41	-0.41
		-0.91	-3.45	-4.18e-04	0.0	104.1	-21.74	-9.72	-3.64	-1.49	-3.45	-0.91
127	16	0.74	0.83	-6.39e-05	-13.40	0.0	3.15	6.07	0.98	0.34	0.67	-1.09
		-1.09	0.67	6.71e-05	0.0	104.1	3.15	-7.33	0.98	0.34	0.83	-0.91
127	17	1.11	-3.54	2.12e-04	-13.40	0.0	-22.22	3.55	-4.35	-1.72	-3.54	-0.38
		-0.90	-3.70	-4.82e-04	0.0	104.1	-22.22	-9.85	-4.35	-1.72	-3.70	-0.90
127	18	0.72	1.08	-8.51e-05	-13.40	0.0	3.62	6.20	1.69	0.57	0.81	-1.13
		-1.13	0.81	1.31e-04	0.0	104.1	3.62	-7.20	1.69	0.57	1.08	-0.92
127	19	0.80	0.18	-7.95e-06	-13.40	0.0	-7.71	5.08	0.59	0.13	-0.12	-0.84
		-1.05	-0.12	1.68e-05	0.0	104.1	-7.71	-8.32	0.59	0.13	0.18	-1.05
127	20	0.93	-0.15	8.02e-05	-13.40	0.0	-5.21	5.21	-1.36	-0.46	-0.15	-0.83
		-0.83	-0.47	-1.21e-04	0.0	104.1	-5.21	-8.18	-1.36	-0.46	-0.47	-0.80
127	21	0.80	0.28	-5.05e-06	-13.40	0.0	-7.61	5.06	0.47	0.11	0.01	-0.84
		-1.04	0.01	1.39e-05	0.0	104.1	-7.61	-8.34	0.47	0.11	0.28	-1.04
127	22	0.92	-0.28	7.48e-05	-13.40	0.0	-5.31	5.23	-1.24	-0.44	-0.28	-0.83
		-0.83	-0.58	-1.18e-04	0.0	104.1	-5.31	-8.17	-1.24	-0.44	-0.58	-0.82
127	23	0.97	-0.86	1.28e-04	-13.40	0.0	-15.07	4.32	-1.61	-0.62	-0.86	-0.61
		-0.95	-1.02	-1.59e-04	0.0	104.1	-15.07	-9.08	-1.61	-0.62	-1.02	-0.95
127	24	0.76	0.73	-5.34e-05	-13.40	0.0	2.15	5.97	0.84	0.29	0.59	-1.06

127	25	-1.06	0.59	5.48e-05	0.0	104.1	2.15	-7.42	0.84	0.29	0.73	-0.91
		0.99	-0.98	1.47e-04	-13.40	0.0	-15.50	4.20	-2.25	-0.83	-0.98	-0.58
		-0.94	-1.25	-2.16e-04	0.0	104.1	-15.50	-9.19	-2.25	-0.83	-1.25	-0.94
127	26	0.74	0.96	-7.24e-05	-13.40	0.0	2.58	6.09	1.48	0.50	0.71	-1.10
		-1.10	0.71	1.12e-04	0.0	104.1	2.58	-7.31	1.48	0.50	0.96	-0.92
130	1	0.92	-0.09	3.80e-05	-12.34	0.0	-7.83	4.98	-0.38	-0.18	-0.12	-0.77
		-0.77	-0.12	-4.99e-05	0.0	104.1	-7.83	-7.37	-0.38	-0.18	-0.09	-0.61
130	2	1.14	-0.16	6.57e-05	-18.30	0.0	-12.08	8.03	-0.97	-0.36	-0.16	-1.32
		-1.32	-0.20	-7.70e-05	0.0	104.1	-12.08	-10.27	-0.97	-0.36	-0.20	-1.16
130	3	0.57	1.58e-03	1.23e-05	-5.83	0.0	-3.40	1.95	0.07	-0.03	-0.06	-0.25
		-0.25	-0.06	-2.17e-05	0.0	104.1	-3.40	-3.88	0.07	-0.03	1.58e-03	-0.13
130	4	0.79	-0.11	3.99e-05	-11.79	0.0	-7.66	5.00	-0.52	-0.21	-0.11	-0.80
		-0.80	-0.11	-4.88e-05	0.0	104.1	-7.66	-6.78	-0.52	-0.21	-0.11	-0.68
130	5	0.69	-0.06	2.70e-05	-9.01	0.0	-5.67	3.58	-0.25	-0.12	-0.09	-0.54
		-0.54	-0.09	-3.62e-05	0.0	104.1	-5.67	-5.43	-0.25	-0.12	-0.06	-0.42
130	6	0.84	-0.12	4.54e-05	-12.98	0.0	-8.51	5.61	-0.64	-0.25	-0.12	-0.92
		-0.92	-0.13	-5.42e-05	0.0	104.1	-8.51	-7.36	-0.64	-0.25	-0.13	-0.79
130	7	0.69	-0.06	2.70e-05	-9.01	0.0	-5.67	3.58	-0.25	-0.12	-0.09	-0.54
		-0.54	-0.09	-3.62e-05	0.0	104.1	-5.67	-5.43	-0.25	-0.12	-0.06	-0.42
130	8	0.79	-0.11	3.99e-05	-11.79	0.0	-7.66	5.00	-0.52	-0.21	-0.11	-0.80
		-0.80	-0.11	-4.88e-05	0.0	104.1	-7.66	-6.78	-0.52	-0.21	-0.11	-0.68
130	9	0.69	-0.06	2.70e-05	-9.01	0.0	-5.67	3.58	-0.25	-0.12	-0.09	-0.54
		-0.54	-0.09	-3.62e-05	0.0	104.1	-5.67	-5.43	-0.25	-0.12	-0.06	-0.42
130	10	0.78	-0.10	3.80e-05	-11.39	0.0	-7.37	4.80	-0.48	-0.20	-0.10	-0.77
		-0.77	-0.10	-4.70e-05	0.0	104.1	-7.37	-6.59	-0.48	-0.20	-0.10	-0.64
130	11	0.79	-3.24	4.14e-05	-11.39	0.0	-6.49	4.06	1.12	0.17	-3.27	-0.60
		-0.79	-3.27	6.22e-05	0.0	104.1	-6.49	-7.33	1.12	0.17	-3.24	-0.79
130	12	0.79	-0.08	8.48e-05	-11.39	0.0	-9.43	5.11	-0.58	-0.30	-0.08	-0.82
		-0.82	-0.19	-1.23e-04	0.0	104.1	-9.43	-6.27	-0.58	-0.30	-0.19	-0.57
130	13	0.79	-3.08	4.73e-05	-11.39	0.0	-6.47	4.06	0.85	0.10	-3.11	-0.60
		-0.78	-3.11	4.73e-05	0.0	104.1	-6.47	-7.33	0.85	0.10	-3.08	-0.78
130	14	0.78	-0.25	7.89e-05	-11.39	0.0	-9.45	5.12	-0.30	-0.23	-0.25	-0.82
		-0.82	-0.35	-1.06e-04	0.0	104.1	-9.45	-6.27	-0.30	-0.23	-0.35	-0.58
130	15	0.84	-4.26	1.86e-04	-11.39	0.0	-8.79	3.64	1.23	-0.03	-4.26	-0.46
		-0.82	-4.42	-4.94e-05	0.0	104.1	-8.79	-7.75	1.23	-0.03	-4.42	-0.82
130	16	0.74	0.99	-5.95e-05	-11.39	0.0	-7.12	5.54	-0.69	-0.11	0.90	-0.96
		-0.96	0.90	-1.39e-05	0.0	104.1	-7.12	-5.85	-0.69	-0.11	0.99	-0.54
130	17	0.84	-4.50	2.07e-04	-11.39	0.0	-8.37	3.57	1.02	-0.13	-4.50	-0.45
		-0.83	-4.72	-9.30e-05	0.0	104.1	-8.37	-7.81	1.02	-0.13	-4.72	-0.83
130	18	0.74	1.29	-8.04e-05	-11.39	0.0	-7.55	5.60	-0.48	-2.37e-03	1.15	-0.97
		-0.97	1.15	3.09e-05	0.0	104.1	-7.55	-5.79	-0.48	-2.37e-03	1.29	-0.53
130	19	0.77	-0.02	-6.70e-06	-11.39	0.0	-5.53	4.52	-0.40	-0.10	-0.12	-0.72
		-0.72	-0.12	2.13e-05	0.0	104.1	-5.53	-6.87	-0.40	-0.10	-0.02	-0.71
130	20	0.79	-0.09	7.99e-05	-11.39	0.0	-9.21	5.08	-0.57	-0.29	-0.09	-0.82
		-0.82	-0.18	-1.15e-04	0.0	104.1	-9.21	-6.31	-0.57	-0.29	-0.18	-0.57
130	21	0.77	0.12	-3.94e-06	-11.39	0.0	-5.51	4.52	-0.64	-0.17	0.02	-0.72
		-0.72	0.02	5.96e-06	0.0	104.1	-5.51	-6.87	-0.64	-0.17	0.12	-0.70
130	22	0.78	-0.23	7.47e-05	-11.39	0.0	-9.24	5.08	-0.32	-0.23	-0.23	-0.81
		-0.81	-0.32	-1.00e-04	0.0	104.1	-9.24	-6.31	-0.32	-0.23	-0.32	-0.59
130	23	0.82	-1.00	1.26e-04	-11.39	0.0	-7.59	4.14	-0.30	-0.28	-1.00	-0.60
		-0.73	-1.08	-7.78e-05	0.0	104.1	-7.59	-7.25	-0.30	-0.28	-1.08	-0.73
130	24	0.74	0.87	-4.94e-05	-11.39	0.0	-7.15	5.46	-0.67	-0.12	0.80	-0.94
		-0.94	0.80	-1.65e-05	0.0	104.1	-7.15	-5.93	-0.67	-0.12	0.87	-0.55
130	25	0.82	-1.23	1.44e-04	-11.39	0.0	-7.21	4.08	-0.48	-0.37	-1.23	-0.58
		-0.74	-1.34	-1.17e-04	0.0	104.1	-7.21	-7.31	-0.48	-0.37	-1.34	-0.74
130	26	0.74	1.14	-6.82e-05	-11.39	0.0	-7.53	5.52	-0.48	-0.02	1.02	-0.95
		-0.95	1.02	2.28e-05	0.0	104.1	-7.53	-5.87	-0.48	-0.02	1.14	-0.54
131	1	2.65	0.38	4.40e-05	-16.47	0.0	-14.13	4.66	1.10	0.07	-0.57	-0.33
		-0.33	-0.57	-6.11e-05	0.0	104.1	-14.13	-11.81	1.10	0.07	0.38	1.22
131	2	4.17	0.68	7.49e-05	-25.07	0.0	-27.00	7.38	1.13	0.02	-0.63	-0.55
		-0.55	-0.63	-9.72e-05	0.0	104.1	-27.00	-17.68	1.13	0.02	0.68	2.10
131	3	1.12	0.11	1.48e-05	-7.38	0.0	-2.95	1.91	0.83	0.09	-0.41	-0.12
		-0.12	-0.41	-2.47e-05	0.0	104.1	-2.95	-5.48	0.83	0.09	0.11	0.40
131	4	2.62	0.41	4.57e-05	-15.98	0.0	-15.82	4.63	0.86	0.04	-0.46	-0.34
		-0.34	-0.46	-6.09e-05	0.0	104.1	-15.82	-11.35	0.86	0.04	0.41	1.28
131	5	1.92	0.27	3.13e-05	-11.97	0.0	-9.81	3.36	0.85	0.06	-0.44	-0.24
		-0.24	-0.44	-4.40e-05	0.0	104.1	-9.81	-8.61	0.85	0.06	0.27	0.87
131	6	2.93	0.47	5.19e-05	-17.70	0.0	-18.39	5.18	0.86	0.03	-0.47	-0.39
		-0.39	-0.47	-6.81e-05	0.0	104.1	-18.39	-12.52	0.86	0.03	0.47	1.45
131	7	1.92	0.27	3.13e-05	-11.97	0.0	-9.81	3.36	0.85	0.06	-0.44	-0.24
		-0.24	-0.44	-4.40e-05	0.0	104.1	-9.81	-8.61	0.85	0.06	0.27	0.87
131	8	2.62	0.41	4.57e-05	-15.98	0.0	-15.82	4.63	0.86	0.04	-0.46	-0.34
		-0.34	-0.46	-6.09e-05	0.0	104.1	-15.82	-11.35	0.86	0.04	0.41	1.28
131	9	1.92	0.27	3.13e-05	-11.97	0.0	-9.81	3.36	0.85	0.06	-0.44	-0.24

131	10	-0.24	-0.44	-4.40e-05	0.0	104.1	-9.81	-8.61	0.85	0.06	0.27	0.87
		2.52	0.39	4.37e-05	-15.40	0.0	-14.96	4.45	0.86	0.04	-0.46	-0.33
		-0.33	-0.46	-5.85e-05	0.0	104.1	-14.96	-10.95	0.86	0.04	0.39	1.22
131	11	3.46	5.77	5.04e-05	-15.40	0.0	-31.54	3.20	-0.39	-0.99	1.19	0.09
		0.09	1.19	-2.53e-04	0.0	104.1	-31.54	-12.21	-0.39	-0.99	5.77	2.47
131	12	2.10	0.48	9.13e-05	-15.40	0.0	-8.07	4.83	-0.66	-0.44	-0.43	-0.47
		-0.47	-0.43	-1.44e-04	0.0	104.1	-8.07	-10.58	-0.66	-0.44	0.48	0.59
131	13	3.43	5.54	5.65e-05	-15.40	0.0	-31.13	3.21	-0.40	-0.96	1.13	0.08
		0.08	1.13	-2.53e-04	0.0	104.1	-31.13	-12.20	-0.40	-0.96	5.54	2.42
131	14	2.14	0.70	8.51e-05	-15.40	0.0	-8.48	4.82	-0.65	-0.48	-0.37	-0.46
		-0.46	-0.37	-1.43e-04	0.0	104.1	-8.48	-10.59	-0.65	-0.48	0.70	0.64
131	15	3.97	8.03	2.07e-04	-15.40	0.0	-45.67	1.76	-3.10	-2.15	1.67	0.54
		0.54	1.67	-4.71e-04	0.0	104.1	-45.67	-13.65	-3.10	-2.15	8.03	3.02
131	16	1.60	-0.91	-6.56e-05	-15.40	0.0	6.06	6.27	2.05	0.71	-0.91	-0.92
		-0.92	-1.79	7.45e-05	0.0	104.1	6.06	-9.14	2.05	0.71	-1.79	0.04
131	17	4.11	8.43	2.29e-04	-15.40	0.0	-47.26	1.50	-3.91	-2.43	1.85	0.62
		0.62	1.85	-5.35e-04	0.0	104.1	-47.26	-13.90	-3.91	-2.43	8.43	3.18
131	18	1.47	-1.08	-8.75e-05	-15.40	0.0	7.65	6.52	2.86	0.99	-1.08	-0.99
		-0.99	-2.19	1.39e-04	0.0	104.1	7.65	-8.89	2.86	0.99	-2.19	-0.12
131	19	2.92	0.31	-1.65e-05	-15.40	0.0	-21.14	4.11	2.22	0.47	-0.48	-0.20
		-0.20	-0.48	1.80e-05	0.0	104.1	-21.14	-11.29	2.22	0.47	0.31	1.78
131	20	2.15	0.47	8.64e-05	-15.40	0.0	-8.79	4.79	-0.50	-0.39	-0.43	-0.45
		-0.45	-0.43	-1.35e-04	0.0	104.1	-8.79	-10.62	-0.50	-0.39	0.47	0.65
131	21	2.89	0.10	-1.36e-05	-15.40	0.0	-20.77	4.12	2.21	0.50	-0.54	-0.21
		-0.21	-0.54	1.76e-05	0.0	104.1	-20.77	-11.28	2.21	0.50	0.10	1.74
131	22	2.18	0.67	8.08e-05	-15.40	0.0	-9.15	4.78	-0.50	-0.42	-0.38	-0.44
		-0.44	-0.38	-1.35e-04	0.0	104.1	-9.15	-10.63	-0.50	-0.42	0.67	0.70
131	23	3.38	2.34	1.42e-04	-15.40	0.0	-33.80	2.82	-0.21	-0.56	-0.06	0.20
		0.20	-0.06	-1.78e-04	0.0	104.1	-33.80	-12.58	-0.21	-0.56	2.34	2.27
131	24	1.69	-0.86	-5.43e-05	-15.40	0.0	3.88	6.08	1.93	0.64	-0.86	-0.86
		-0.86	-1.56	6.08e-05	0.0	104.1	3.88	-9.33	1.93	0.64	-1.56	0.17
131	25	3.50	2.70	1.61e-04	-15.40	0.0	-35.23	2.60	-0.93	-0.82	0.10	0.27
		0.27	0.10	-2.35e-04	0.0	104.1	-35.23	-12.81	-0.93	-0.82	2.70	2.42
131	26	1.58	-1.02	-7.39e-05	-15.40	0.0	5.31	6.30	2.65	0.90	-1.02	-0.92
		-0.92	-1.92	1.18e-04	0.0	104.1	5.31	-9.10	2.65	0.90	-1.92	0.02
134	1	2.05	2.08	-1.86e-05	-19.82	0.0	19.89	7.53	7.02	1.41	-1.00	-1.26
		-1.26	-1.00	-2.38e-05	0.0	114.8	19.89	-12.29	7.02	1.41	2.08	-0.34
134	2	3.40	4.56	-3.42e-05	-30.36	0.0	27.20	11.18	8.83	1.91	-0.71	-1.82
		-1.82	-0.71	-4.19e-05	0.0	114.8	27.20	-19.17	8.83	1.91	4.56	-0.16
134	3	0.76	0.08	-4.80e-06	-8.76	0.0	10.80	3.54	4.29	0.78	-0.95	-0.63
		-0.63	-0.95	-9.45e-06	0.0	114.8	10.80	-5.22	4.29	0.78	0.08	-0.38
134	4	2.10	2.56	-2.03e-05	-19.30	0.0	18.11	7.20	6.10	1.28	-0.65	-1.19
		-1.19	-0.65	-2.50e-05	0.0	114.8	18.11	-12.10	6.10	1.28	2.56	-0.19
134	5	1.47	1.40	-1.30e-05	-14.38	0.0	14.70	5.49	5.25	1.05	-0.79	-0.93
		-0.93	-0.79	-1.70e-05	0.0	114.8	14.70	-8.89	5.25	1.05	1.40	-0.28
134	6	2.37	3.05	-2.34e-05	-21.41	0.0	19.57	7.93	6.46	1.38	-0.60	-1.30
		-1.30	-0.60	-2.87e-05	0.0	114.8	19.57	-13.48	6.46	1.38	3.05	-0.16
134	7	1.47	1.40	-1.30e-05	-14.38	0.0	14.70	5.49	5.25	1.05	-0.79	-0.93
		-0.93	-0.79	-1.70e-05	0.0	114.8	14.70	-8.89	5.25	1.05	1.40	-0.28
134	8	2.10	2.56	-2.03e-05	-19.30	0.0	18.11	7.20	6.10	1.28	-0.65	-1.19
		-1.19	-0.65	-2.50e-05	0.0	114.8	18.11	-12.10	6.10	1.28	2.56	-0.19
134	9	1.47	1.40	-1.30e-05	-14.38	0.0	14.70	5.49	5.25	1.05	-0.79	-0.93
		-0.93	-0.79	-1.70e-05	0.0	114.8	14.70	-8.89	5.25	1.05	1.40	-0.28
134	10	2.01	2.39	-1.92e-05	-18.60	0.0	17.62	6.95	5.98	1.24	-0.67	-1.15
		-1.15	-0.67	-2.38e-05	0.0	114.8	17.62	-11.64	5.98	1.24	2.39	-0.21
134	11	2.48	0.87	-1.63e-05	-18.60	0.0	13.23	5.60	7.60	1.91	-0.53	-0.81
		-0.81	-0.53	6.41e-05	0.0	114.8	13.23	-13.00	7.60	1.91	0.87	0.36
134	12	1.76	0.75	-3.95e-05	-18.60	0.0	21.49	7.46	5.66	0.99	-1.21	-1.27
		-1.27	-1.21	-1.13e-04	0.0	114.8	21.49	-11.14	5.66	0.99	0.75	-0.55
134	13	2.45	0.70	-1.82e-05	-18.60	0.0	12.88	5.66	7.62	1.86	-0.66	-0.83
		-0.83	-0.66	4.76e-05	0.0	114.8	12.88	-12.93	7.62	1.86	0.70	0.33
134	14	1.79	0.92	-3.59e-05	-18.60	0.0	21.84	7.39	5.65	1.03	-1.09	-1.26
		-1.26	-1.09	-9.65e-05	0.0	114.8	21.84	-11.20	5.65	1.03	0.92	-0.52
134	15	2.37	-2.65	-6.23e-05	-18.60	0.0	9.33	5.23	9.68	1.91	-2.65	-0.62
		-0.62	-5.39	-7.19e-05	0.0	114.8	9.33	-13.36	9.68	1.91	-5.39	0.03
134	16	1.86	7.00	2.51e-05	-18.60	0.0	25.39	7.82	3.58	0.98	0.91	-1.47
		-1.47	0.91	2.31e-05	0.0	114.8	25.39	-10.77	3.58	0.98	7.00	-0.21
134	17	2.40	-2.82	-7.47e-05	-18.60	0.0	11.40	5.10	9.59	1.83	-2.82	-0.58
		-0.58	-6.22	-1.18e-04	0.0	114.8	11.40	-13.50	9.59	1.83	-6.22	0.05
134	18	1.84	7.84	3.76e-05	-18.60	0.0	23.32	7.96	3.67	1.06	1.08	-1.50
		-1.50	1.08	6.95e-05	0.0	114.8	23.32	-10.64	3.67	1.06	7.84	-0.23
134	19	2.23	3.87	1.76e-05	-18.60	0.0	14.15	6.50	6.26	1.47	-0.19	-1.04
		-1.04	-0.19	5.84e-05	0.0	114.8	14.15	-12.10	6.26	1.47	3.87	0.10
134	20	1.79	0.92	-3.68e-05	-18.60	0.0	21.09	7.41	5.69	1.01	-1.16	-1.26

134	21	-1.26	-1.16	-1.04e-04	0.0	114.8	21.09	-11.19	5.69	1.01	0.92	-0.51
		2.20	3.71	1.39e-05	-18.60	0.0	13.84	6.56	6.27	1.43	-0.31	-1.06
		-1.06	-0.31	4.36e-05	0.0	114.8	13.84	-12.04	6.27	1.43	3.71	0.07
134	22	1.81	1.08	-3.38e-05	-18.60	0.0	21.40	7.35	5.68	1.05	-1.04	-1.24
		-1.24	-1.04	-8.88e-05	0.0	114.8	21.40	-11.25	5.68	1.05	1.08	-0.49
134	23	2.13	-1.74	-4.15e-05	-18.60	0.0	10.66	6.17	8.12	1.48	-2.09	-0.87
		-0.87	-2.09	-6.35e-05	0.0	114.8	10.66	-12.42	8.12	1.48	-1.74	-0.20
134	24	1.88	6.53	2.16e-05	-18.60	0.0	24.58	7.73	3.83	1.01	0.75	-1.43
		-1.43	0.75	1.83e-05	0.0	114.8	24.58	-10.86	3.83	1.01	6.53	-0.21
134	25	2.16	-2.25	-5.15e-05	-18.60	0.0	12.51	6.05	8.04	1.41	-2.25	-0.83
		-0.83	-2.49	-1.05e-04	0.0	114.8	12.51	-12.54	8.04	1.41	-2.49	-0.18
134	26	1.85	7.27	3.27e-05	-18.60	0.0	22.73	7.86	3.91	1.08	0.90	-1.47
		-1.47	0.90	5.99e-05	0.0	114.8	22.73	-10.74	3.91	1.08	7.27	-0.23
136	1	-0.51	1.01	-1.01e-05	-2.49	0.0	14.50	2.77	1.37	0.24	0.59	-0.70
		-0.86	0.59	-3.16e-06	0.0	85.0	14.50	0.29	1.37	0.24	1.01	-0.86
136	2	-0.88	1.80	-1.79e-05	-2.49	0.0	15.82	3.93	0.99	0.21	0.98	-1.03
		-1.29	0.98	-8.98e-06	0.0	85.0	15.82	1.44	0.99	0.21	1.80	-1.29
136	3	-0.16	0.29	-2.96e-06	-1.91	0.0	10.34	1.42	1.29	0.20	0.21	-0.34
		-0.39	0.21	3.79e-06	0.0	85.0	10.34	-0.49	1.29	0.20	0.29	-0.39
136	4	-0.53	1.08	-1.08e-05	-1.91	0.0	11.66	2.58	0.91	0.17	0.60	-0.66
		-0.83	0.60	-4.60e-06	0.0	85.0	11.66	0.66	0.91	0.17	1.08	-0.83
136	5	-0.36	0.71	-7.13e-06	-1.91	0.0	11.05	2.04	1.09	0.19	0.42	-0.51
		-0.62	0.42	-1.99e-06	0.0	85.0	11.05	0.12	1.09	0.19	0.71	-0.62
136	6	-0.61	1.24	-1.23e-05	-1.91	0.0	11.93	2.81	0.83	0.17	0.68	-0.73
		-0.91	0.68	-5.80e-06	0.0	85.0	11.93	0.89	0.83	0.17	1.24	-0.91
136	7	-0.36	0.71	-7.13e-06	-1.91	0.0	11.05	2.04	1.09	0.19	0.42	-0.51
		-0.62	0.42	-1.99e-06	0.0	85.0	11.05	0.12	1.09	0.19	0.71	-0.62
136	8	-0.53	1.08	-1.08e-05	-1.91	0.0	11.66	2.58	0.91	0.17	0.60	-0.66
		-0.83	0.60	-4.60e-06	0.0	85.0	11.66	0.66	0.91	0.17	1.08	-0.83
136	9	-0.36	0.71	-7.13e-06	-1.91	0.0	11.05	2.04	1.09	0.19	0.42	-0.51
		-0.62	0.42	-1.99e-06	0.0	85.0	11.05	0.12	1.09	0.19	0.71	-0.62
136	10	-0.51	1.03	-1.03e-05	-1.91	0.0	11.58	2.50	0.93	0.18	0.58	-0.64
		-0.80	0.58	-4.22e-06	0.0	85.0	11.58	0.59	0.93	0.18	1.03	-0.80
136	11	-0.34	1.50	1.80e-06	-1.91	0.0	1.05	1.36	2.20	0.14	0.48	-0.41
		-0.75	0.48	2.52e-05	0.0	85.0	1.05	-0.56	2.20	0.14	1.50	-0.75
136	12	-0.53	0.72	-3.17e-05	-1.91	0.0	16.47	3.15	0.56	-0.01	0.56	-0.73
		-0.74	0.56	-6.24e-05	0.0	85.0	16.47	1.24	0.56	-0.01	0.72	-0.74
136	13	-0.35	1.46	-2.37e-06	-1.91	0.0	1.10	1.41	2.20	0.12	0.47	-0.42
		-0.74	0.47	1.51e-05	0.0	85.0	1.10	-0.50	2.20	0.12	1.46	-0.74
136	14	-0.53	0.76	-2.88e-05	-1.91	0.0	16.42	3.10	0.55	1.39e-03	0.57	-0.72
		-0.75	0.57	-5.24e-05	0.0	85.0	16.42	1.18	0.55	1.39e-03	0.76	-0.75
136	15	-0.15	0.56	-3.86e-05	-1.91	0.0	-10.32	1.31	4.45	0.18	0.14	-0.26
		-0.48	0.14	-6.98e-05	0.0	85.0	-10.32	-0.61	4.45	0.18	0.56	-0.48
136	16	-0.74	1.66	7.94e-06	-1.91	0.0	27.84	3.20	-1.70	-0.05	0.90	-0.88
		-1.01	0.90	3.26e-05	0.0	85.0	27.84	1.29	-1.70	-0.05	1.66	-1.01
136	17	-0.14	0.32	-4.78e-05	-1.91	0.0	-7.80	1.28	4.46	0.14	0.03	-0.24
		-0.46	0.03	-1.03e-04	0.0	85.0	-7.80	-0.64	4.46	0.14	0.32	-0.46
136	18	-0.76	1.91	1.67e-05	-1.91	0.0	25.32	3.23	-1.70	-0.01	1.01	-0.90
		-1.03	1.01	6.62e-05	0.0	85.0	25.32	1.32	-1.70	-0.01	1.91	-1.03
136	19	-0.48	1.30	8.92e-06	-1.91	0.0	7.19	1.92	1.27	0.35	0.59	-0.56
		-0.85	0.59	5.28e-05	0.0	85.0	7.19	4.40e-03	1.27	0.35	1.30	-0.85
136	20	-0.53	0.75	-2.94e-05	-1.91	0.0	15.97	3.08	0.60	6.06e-03	0.56	-0.72
		-0.75	0.56	-5.61e-05	0.0	85.0	15.97	1.17	0.60	6.06e-03	0.75	-0.75
136	21	-0.48	1.27	6.51e-06	-1.91	0.0	7.23	1.96	1.28	0.33	0.59	-0.57
		-0.84	0.59	4.38e-05	0.0	85.0	7.23	0.05	1.28	0.33	1.27	-0.84
136	22	-0.53	0.79	-2.68e-05	-1.91	0.0	15.92	3.04	0.59	0.02	0.57	-0.72
		-0.75	0.57	-4.71e-05	0.0	85.0	15.92	1.12	0.59	0.02	0.79	-0.75
136	23	-0.30	0.46	-2.61e-05	-1.91	0.0	-3.00	1.87	3.29	0.38	0.29	-0.43
		-0.61	0.29	-3.23e-05	0.0	85.0	-3.00	-0.04	3.29	0.38	0.46	-0.61
136	24	-0.72	1.59	6.44e-06	-1.91	0.0	26.15	3.13	-1.42	-0.03	0.86	-0.86
		-0.99	0.86	2.90e-05	0.0	85.0	26.15	1.21	-1.42	-0.03	1.59	-0.99
136	25	-0.29	0.24	-3.44e-05	-1.91	0.0	-0.75	1.84	3.30	0.34	0.19	-0.41
		-0.59	0.19	-6.25e-05	0.0	85.0	-0.75	-0.07	3.30	0.34	0.24	-0.59
136	26	-0.73	1.82	1.39e-05	-1.91	0.0	23.90	3.15	-1.43	7.90e-03	0.96	-0.87
		-1.01	0.96	5.91e-05	0.0	85.0	23.90	1.24	-1.43	7.90e-03	1.82	-1.01
138	1	-0.46	1.13	-4.67e-06	-2.49	0.0	11.72	3.60	-2.97	-0.83	1.13	-0.79
		-0.79	0.73	-2.92e-05	0.0	85.0	11.72	1.12	-2.97	-0.83	0.73	-0.67
138	2	-0.82	1.96	-1.05e-05	-2.49	0.0	12.79	5.04	-6.74	-1.60	1.96	-1.14
		-1.14	1.17	-4.48e-05	0.0	85.0	12.79	2.56	-6.74	-1.60	1.17	-1.03
138	3	-0.14	0.36	0.0	-1.91	0.0	8.35	1.89	0.04	-0.16	0.36	-0.39
		-0.39	0.29	-1.28e-05	0.0	85.0	8.35	-0.02	0.04	-0.16	0.29	-0.30
138	4	-0.49	1.19	-5.83e-06	-1.91	0.0	9.43	3.33	-3.74	-0.93	1.19	-0.74
		-0.74	0.73	-2.85e-05	0.0	85.0	9.43	1.41	-3.74	-0.93	0.73	-0.65
138	5	-0.33	0.80	-3.11e-06	-1.91	0.0	8.93	2.65	-1.97	-0.57	0.80	-0.58

138	6	-0.58	0.53	-2.12e-05	0.0	85.0	8.93	0.74	-1.97	-0.57	0.53	-0.49
		-0.56	1.35	-6.99e-06	-1.91	0.0	9.64	3.61	-4.49	-1.09	1.35	-0.81
		-0.81	0.82	-3.16e-05	0.0	85.0	9.64	1.70	-4.49	-1.09	0.82	-0.73
138	7	-0.33	0.80	-3.11e-06	-1.91	0.0	8.93	2.65	-1.97	-0.57	0.80	-0.58
		-0.58	0.53	-2.12e-05	0.0	85.0	8.93	0.74	-1.97	-0.57	0.53	-0.49
138	8	-0.49	1.19	-5.83e-06	-1.91	0.0	9.43	3.33	-3.74	-0.93	1.19	-0.74
		-0.74	0.73	-2.85e-05	0.0	85.0	9.43	1.41	-3.74	-0.93	0.73	-0.65
138	9	-0.33	0.80	-3.11e-06	-1.91	0.0	8.93	2.65	-1.97	-0.57	0.80	-0.58
		-0.58	0.53	-2.12e-05	0.0	85.0	8.93	0.74	-1.97	-0.57	0.53	-0.49
138	10	-0.47	1.13	-5.44e-06	-1.91	0.0	9.35	3.23	-3.48	-0.88	1.13	-0.72
		-0.72	0.70	-2.74e-05	0.0	85.0	9.35	1.32	-3.48	-0.88	0.70	-0.63
138	11	-0.43	0.40	4.67e-06	-1.91	0.0	3.96	2.38	-0.26	-0.35	0.18	-0.57
		-0.72	0.18	1.72e-06	0.0	85.0	3.96	0.47	-0.26	-0.35	0.40	-0.72
138	12	-0.34	0.97	-2.71e-05	-1.91	0.0	9.81	3.48	-2.52	-0.82	0.97	-0.71
		-0.71	0.56	-9.04e-05	0.0	85.0	9.81	1.56	-2.52	-0.82	0.56	-0.43
138	13	-0.42	0.39	2.50e-06	-1.91	0.0	3.60	2.40	-0.03	-0.32	0.15	-0.56
		-0.70	0.15	-8.78e-06	0.0	85.0	3.60	0.49	-0.03	-0.32	0.39	-0.70
138	14	-0.36	1.00	-2.41e-05	-1.91	0.0	10.18	3.45	-2.74	-0.85	1.00	-0.71
		-0.71	0.57	-7.99e-05	0.0	85.0	10.18	1.54	-2.74	-0.85	0.57	-0.45
138	15	-0.10	-0.01	-3.79e-05	-1.91	0.0	-11.37	1.81	7.96	0.87	-1.17	-0.29
		-0.31	-1.17	-1.06e-04	0.0	85.0	-11.37	-0.10	7.96	0.87	-0.01	-0.31
138	16	-0.71	2.32	1.51e-05	-1.91	0.0	25.15	4.04	-10.74	-2.04	2.32	-0.99
		-0.99	0.98	1.70e-05	0.0	85.0	25.15	2.13	-10.74	-2.04	0.98	-0.84
138	17	-0.06	-0.13	-4.72e-05	-1.91	0.0	-9.28	1.71	8.66	0.96	-1.30	-0.26
		-0.27	-1.30	-1.38e-04	0.0	85.0	-9.28	-0.20	8.66	0.96	-0.13	-0.27
138	18	-0.74	2.45	2.44e-05	-1.91	0.0	23.06	4.14	-11.44	-2.13	2.45	-1.02
		-1.02	1.09	4.96e-05	0.0	85.0	23.06	2.23	-11.44	-2.13	1.09	-0.88
138	19	-0.57	1.28	1.40e-05	-1.91	0.0	8.94	3.01	-4.35	-0.94	1.28	-0.73
		-0.82	0.83	2.90e-05	0.0	85.0	8.94	1.10	-4.35	-0.94	0.83	-0.82
138	20	-0.36	0.98	-2.49e-05	-1.91	0.0	9.77	3.45	-2.62	-0.83	0.98	-0.71
		-0.71	0.58	-8.39e-05	0.0	85.0	9.77	1.54	-2.62	-0.83	0.58	-0.45
138	21	-0.56	1.25	1.13e-05	-1.91	0.0	8.61	3.03	-4.15	-0.91	1.25	-0.73
		-0.79	0.81	1.96e-05	0.0	85.0	8.61	1.12	-4.15	-0.91	0.81	-0.79
138	22	-0.37	1.01	-2.22e-05	-1.91	0.0	10.10	3.43	-2.82	-0.85	1.01	-0.71
		-0.71	0.59	-7.45e-05	0.0	85.0	10.10	1.52	-2.82	-0.85	0.59	-0.47
138	23	-0.26	0.45	-2.39e-05	-1.91	0.0	-4.80	2.50	3.02	0.15	0.07	-0.48
		-0.48	0.07	-6.72e-05	0.0	85.0	-4.80	0.59	3.02	0.15	0.45	-0.44
138	24	-0.68	2.19	1.30e-05	-1.91	0.0	23.51	3.96	-9.99	-1.92	2.19	-0.96
		-0.96	0.95	1.24e-05	0.0	85.0	23.51	2.05	-9.99	-1.92	0.95	-0.82
138	25	-0.23	0.35	-3.22e-05	-1.91	0.0	-2.93	2.42	3.65	0.24	-0.05	-0.45
		-0.45	-0.05	-9.65e-05	0.0	85.0	-2.93	0.50	3.65	0.24	0.35	-0.40
138	26	-0.71	2.31	2.13e-05	-1.91	0.0	21.64	4.04	-10.61	-2.00	2.31	-0.99
		-0.99	1.05	4.16e-05	0.0	85.0	21.64	2.13	-10.61	-2.00	1.05	-0.86
140	1	-0.03	-0.19	-1.92e-05	-2.49	0.0	11.47	1.37	2.94	0.96	-0.19	-0.56
		-0.56	-0.41	9.46e-06	0.0	85.0	11.47	-1.11	2.94	0.96	-0.41	-0.12
140	2	-0.11	0.84	-3.10e-05	-2.49	0.0	10.29	1.44	4.50	1.52	-0.02	-0.74
		-0.74	-0.02	9.12e-06	0.0	85.0	10.29	-1.04	4.50	1.52	0.84	-0.16
140	3	0.03	-0.25	-7.48e-06	-1.91	0.0	9.55	1.02	1.30	0.40	-0.25	-0.32
		-0.32	-1.08	7.96e-06	0.0	85.0	9.55	-0.90	1.30	0.40	-1.08	-0.07
140	4	-0.06	0.17	-1.93e-05	-1.91	0.0	8.37	1.08	2.86	0.95	-0.08	-0.50
		-0.50	-0.08	7.14e-06	0.0	85.0	8.37	-0.83	2.86	0.95	0.17	-0.11
140	5	-0.02	-0.16	-1.38e-05	-1.91	0.0	8.92	1.05	2.13	0.69	-0.16	-0.42
		-0.42	-0.42	7.30e-06	0.0	85.0	8.92	-0.86	2.13	0.69	-0.42	-0.09
140	6	-0.07	0.41	-2.16e-05	-1.91	0.0	8.13	1.10	3.17	1.06	-0.04	-0.54
		-0.54	-0.04	7.08e-06	0.0	85.0	8.13	-0.82	3.17	1.06	0.41	-0.12
140	7	-0.02	-0.16	-1.38e-05	-1.91	0.0	8.92	1.05	2.13	0.69	-0.16	-0.42
		-0.42	-0.42	7.30e-06	0.0	85.0	8.92	-0.86	2.13	0.69	-0.42	-0.09
140	8	-0.06	0.17	-1.93e-05	-1.91	0.0	8.37	1.08	2.86	0.95	-0.08	-0.50
		-0.50	-0.08	7.14e-06	0.0	85.0	8.37	-0.83	2.86	0.95	0.17	-0.11
140	9	-0.02	-0.16	-1.38e-05	-1.91	0.0	8.92	1.05	2.13	0.69	-0.16	-0.42
		-0.42	-0.42	7.30e-06	0.0	85.0	8.92	-0.86	2.13	0.69	-0.42	-0.09
140	10	-0.05	0.08	-1.85e-05	-1.91	0.0	8.45	1.08	2.75	0.92	-0.09	-0.49
		-0.49	-0.09	7.17e-06	0.0	85.0	8.45	-0.83	2.75	0.92	0.08	-0.11
140	11	1.33	1.32	-6.71e-06	-1.91	0.0	-7.50	-0.03	1.18	0.17	1.32	-0.07
		-0.07	1.03	6.68e-05	0.0	85.0	-7.50	-1.94	1.18	0.17	1.03	1.33
140	12	-0.81	-0.22	-4.15e-05	-1.91	0.0	18.55	1.94	1.69	0.57	-0.22	-0.82
		-1.44	-0.74	-5.52e-05	0.0	85.0	18.55	0.03	1.69	0.57	-0.74	-1.44
140	13	1.19	1.30	-8.71e-06	-1.91	0.0	-6.95	0.04	1.03	0.12	1.30	-0.10
		-0.10	0.88	5.64e-05	0.0	85.0	-6.95	-1.87	1.03	0.12	0.88	1.19
140	14	-0.76	-0.20	-3.84e-05	-1.91	0.0	18.00	1.87	1.84	0.62	-0.20	-0.79
		-1.30	-0.59	-4.48e-05	0.0	85.0	18.00	-0.04	1.84	0.62	-0.59	-1.30
140	15	0.29	1.10	-4.26e-05	-1.91	0.0	-13.75	0.36	-1.54	-0.88	1.10	-0.19
		-0.19	-3.04	-1.98e-05	0.0	85.0	-13.75	-1.55	-1.54	-0.88	-3.04	0.24
140	16	-0.28	3.33	-3.88e-06	-1.91	0.0	24.80	1.55	4.41	1.62	-2.20e-03	-0.70

140	17	-0.70	-2.20e-03	3.13e-05	0.0	85.0	24.80	-0.36	4.41	1.62	3.33	-0.35
		0.08	0.89	-5.21e-05	-1.91	0.0	-10.55	0.38	-1.93	-1.00	0.89	-0.22
		-0.22	-3.61	-5.80e-05	0.0	85.0	-10.55	-1.53	-1.93	-1.00	-3.61	-0.04
140	18	-0.06	3.90	5.68e-06	-1.91	0.0	21.60	1.53	4.80	1.75	0.21	-0.66
		-0.66	0.21	6.96e-05	0.0	85.0	21.60	-0.38	4.80	1.75	3.90	-0.07
140	19	1.09	0.82	2.10e-06	-1.91	0.0	-0.60	0.31	3.71	1.22	0.03	-0.20
		-0.20	0.03	6.31e-05	0.0	85.0	-0.60	-1.60	3.71	1.22	0.82	1.09
140	20	-0.76	-0.21	-3.91e-05	-1.91	0.0	17.50	1.85	1.80	0.61	-0.21	-0.78
		-1.30	-0.65	-4.87e-05	0.0	85.0	17.50	-0.06	1.80	0.61	-0.65	-1.30
140	21	0.96	0.68	-2.82e-06	-1.91	0.0	-0.12	0.37	3.57	1.18	7.62e-03	-0.22
		-0.22	7.62e-03	5.38e-05	0.0	85.0	-0.12	-1.54	3.57	1.18	0.68	0.96
140	22	-0.71	-0.19	-3.64e-05	-1.91	0.0	17.01	1.79	1.94	0.65	-0.19	-0.75
		-1.17	-0.52	-3.95e-05	0.0	85.0	17.01	-0.12	1.94	0.65	-0.52	-1.17
140	23	0.16	-0.17	-3.16e-05	-1.91	0.0	-6.21	0.66	1.27	0.28	-0.17	-0.30
		-0.30	-2.83	-1.45e-05	0.0	85.0	-6.21	-1.25	1.27	0.28	-2.83	0.11
140	24	-0.26	3.00	-5.39e-06	-1.91	0.0	23.11	1.50	4.24	1.55	-0.01	-0.68
		-0.68	-0.01	2.88e-05	0.0	85.0	23.11	-0.41	4.24	1.55	3.00	-0.33
140	25	-0.02	-0.36	-4.02e-05	-1.91	0.0	-3.34	0.68	0.92	0.17	-0.36	-0.34
		-0.34	-3.34	-4.88e-05	0.0	85.0	-3.34	-1.24	0.92	0.17	-3.34	-0.14
140	26	-0.06	3.51	3.17e-06	-1.91	0.0	20.23	1.48	4.59	1.66	0.18	-0.64
		-0.64	0.18	6.31e-05	0.0	85.0	20.23	-0.43	4.59	1.66	3.51	-0.07
142	1	4.10	0.03	-6.41e-05	-33.51	0.0	-3.72	11.88	0.17	0.03	-0.01	-2.53
		-2.61	-0.01	7.25e-06	0.0	159.4	-3.72	-21.63	0.17	0.03	0.03	-2.61
142	2	5.97	0.11	-9.01e-05	-51.97	0.0	-5.80	19.53	-0.09	-0.04	0.08	-4.35
		-4.42	0.08	-1.78e-06	0.0	159.4	-5.80	-32.44	-0.09	-0.04	0.11	-4.42
142	3	2.01	-0.02	-3.33e-05	-14.42	0.0	-1.59	4.43	0.29	0.06	-0.07	-0.83
		-0.90	-0.07	1.06e-05	0.0	159.4	-1.59	-9.98	0.29	0.06	-0.02	-0.90
142	4	3.87	0.05	-5.93e-05	-32.88	0.0	-3.66	12.08	0.03	-4.16e-03	0.02	-2.65
		-2.71	0.02	2.46e-06	0.0	159.4	-3.66	-20.80	0.03	-4.16e-03	0.05	-2.71
142	5	3.00	0.02	-4.72e-05	-24.26	0.0	-2.69	8.51	0.15	0.03	-0.02	-1.80
		-1.86	-0.02	6.24e-06	0.0	159.4	-2.69	-15.75	0.15	0.03	0.02	-1.86
142	6	4.25	0.07	-6.45e-05	-36.57	0.0	-4.08	13.61	-0.02	-0.02	0.04	-3.01
		-3.07	0.04	0.0	0.0	159.4	-4.08	-22.96	-0.02	-0.02	0.07	-3.07
142	7	3.00	0.02	-4.72e-05	-24.26	0.0	-2.69	8.51	0.15	0.03	-0.02	-1.80
		-1.86	-0.02	6.24e-06	0.0	159.4	-2.69	-15.75	0.15	0.03	0.02	-1.86
142	8	3.87	0.05	-5.93e-05	-32.88	0.0	-3.66	12.08	0.03	-4.16e-03	0.02	-2.65
		-2.71	0.02	2.46e-06	0.0	159.4	-3.66	-20.80	0.03	-4.16e-03	0.05	-2.71
142	9	3.00	0.02	-4.72e-05	-24.26	0.0	-2.69	8.51	0.15	0.03	-0.02	-1.80
		-1.86	-0.02	6.24e-06	0.0	159.4	-2.69	-15.75	0.15	0.03	0.02	-1.86
142	10	3.75	0.05	-5.76e-05	-31.65	0.0	-3.52	11.57	0.05	2.38e-05	0.02	-2.52
		-2.59	0.02	3.00e-06	0.0	159.4	-3.52	-20.08	0.05	2.38e-05	0.05	-2.59
142	11	4.21	-1.11	-4.04e-05	-31.65	0.0	-16.46	10.70	-5.19	-1.74	-1.11	-2.10
		-2.10	-1.25	-6.33e-04	0.0	159.4	-16.46	-20.95	-5.19	-1.74	-1.25	-2.09
142	12	3.45	0.14	-7.91e-05	-31.65	0.0	7.27	12.42	-0.26	-0.10	0.14	-2.86
		-2.86	-0.22	-1.07e-04	0.0	159.4	7.27	-19.23	-0.26	-0.10	-0.22	-2.85
142	13	4.18	-1.05	-4.23e-05	-31.65	0.0	-14.98	10.81	-5.30	-1.76	-1.05	-2.15
		-2.15	-1.20	-6.52e-04	0.0	159.4	-14.98	-20.84	-5.30	-1.76	-1.20	-2.10
142	14	3.48	0.08	-7.60e-05	-31.65	0.0	5.79	12.31	-0.16	-0.07	0.08	-2.81
		-2.84	-0.27	-8.82e-05	0.0	159.4	5.79	-19.34	-0.16	-0.07	-0.27	-2.84
142	15	4.22	-1.27	-5.09e-05	-31.65	0.0	-9.58	11.42	-9.23	-3.04	-1.27	-2.27
		-2.27	-2.89	-1.09e-03	0.0	159.4	-9.58	-20.23	-9.23	-3.04	-2.89	-1.90
142	16	3.44	1.41	-6.52e-05	-31.65	0.0	0.40	11.69	3.78	1.21	0.30	-2.69
		-3.05	0.30	3.52e-04	0.0	159.4	0.40	-19.95	3.78	1.21	1.41	-3.05
142	17	4.12	-0.99	-5.97e-05	-31.65	0.0	-7.15	11.63	-9.21	-2.96	-0.99	-2.36
		-2.36	-2.73	-1.08e-03	0.0	159.4	-7.15	-20.02	-9.21	-2.96	-2.73	-2.01
142	18	3.54	1.26	-5.51e-05	-31.65	0.0	-2.03	11.49	3.76	1.13	0.01	-2.60
		-2.94	0.01	3.43e-04	0.0	159.4	-2.03	-20.16	3.76	1.13	1.26	-2.94
142	19	4.02	0.29	-4.18e-05	-31.65	0.0	-13.20	10.81	0.32	0.09	-0.09	-2.22
		-2.35	-0.09	1.02e-04	0.0	159.4	-13.20	-20.84	0.32	0.09	0.29	-2.35
142	20	3.48	0.12	-7.66e-05	-31.65	0.0	6.15	12.33	-0.23	-0.09	0.12	-2.83
		-2.83	-0.19	-9.60e-05	0.0	159.4	6.15	-19.32	-0.23	-0.09	-0.19	-2.82
142	21	3.99	0.34	-4.38e-05	-31.65	0.0	-11.88	10.91	0.23	0.06	-0.04	-2.27
		-2.36	-0.04	8.47e-05	0.0	159.4	-11.88	-20.74	0.23	0.06	0.34	-2.36
142	22	3.51	0.07	-7.39e-05	-31.65	0.0	4.83	12.23	-0.14	-0.06	0.07	-2.78
		-2.81	-0.24	-7.87e-05	0.0	159.4	4.83	-19.41	-0.14	-0.06	-0.24	-2.81
142	23	4.03	-0.23	-5.15e-05	-31.65	0.0	-7.04	11.46	-3.30	-1.08	-0.23	-2.37
		-2.37	-1.17	-3.09e-04	0.0	159.4	-7.04	-20.19	-3.30	-1.08	-1.17	-2.17
142	24	3.47	1.27	-6.43e-05	-31.65	0.0	-7.65e-03	11.68	3.39	1.08	0.27	-2.68
		-3.00	0.27	3.15e-04	0.0	159.4	-7.65e-03	-19.97	3.39	1.08	1.27	-3.00
142	25	3.94	0.02	-5.98e-05	-31.65	0.0	-4.86	11.65	-3.28	-1.01	0.02	-2.46
		-2.46	-1.03	-3.01e-04	0.0	159.4	-4.86	-20.00	-3.28	-1.01	-1.03	-2.27
142	26	3.56	1.13	-5.54e-05	-31.65	0.0	-2.19	11.50	3.38	1.01	0.01	-2.59
		-2.90	0.01	3.07e-04	0.0	159.4	-2.19	-20.15	3.38	1.01	1.13	-2.90
143	1	3.00	0.86	-4.09e-05	-28.46	0.0	5.25	9.82	-2.28	-0.56	0.86	-1.74

143	2	-1.89	-0.56	-3.61e-05	0.0	135.4	5.25	-18.64	-2.28	-0.56	-0.56	-1.89
		4.36	1.25	-5.84e-05	-44.15	0.0	4.84	16.22	-3.56	-0.85	1.25	-3.02
		-3.21	-0.68	-5.77e-05	0.0	135.4	4.84	-27.92	-3.56	-0.85	-0.68	-3.21
143	3	1.47	0.43	-2.07e-05	-12.25	0.0	4.28	3.62	-0.97	-0.26	0.43	-0.56
		-0.64	-0.36	-1.45e-05	0.0	135.4	4.28	-8.63	-0.97	-0.26	-0.36	-0.64
143	4	2.83	0.81	-3.82e-05	-27.93	0.0	3.88	10.02	-2.24	-0.54	0.81	-1.83
		-1.96	-0.48	-3.61e-05	0.0	135.4	3.88	-17.91	-2.24	-0.54	-0.48	-1.96
143	5	2.20	0.63	-3.01e-05	-20.61	0.0	4.07	7.03	-1.65	-0.41	0.63	-1.24
		-1.34	-0.42	-2.60e-05	0.0	135.4	4.07	-13.58	-1.65	-0.41	-0.42	-1.34
143	6	3.10	0.89	-4.17e-05	-31.06	0.0	3.80	11.30	-2.50	-0.60	0.89	-2.09
		-2.22	-0.50	-4.04e-05	0.0	135.4	3.80	-19.77	-2.50	-0.60	-0.50	-2.22
143	7	2.20	0.63	-3.01e-05	-20.61	0.0	4.07	7.03	-1.65	-0.41	0.63	-1.24
		-1.34	-0.42	-2.60e-05	0.0	135.4	4.07	-13.58	-1.65	-0.41	-0.42	-1.34
143	8	2.83	0.81	-3.82e-05	-27.93	0.0	3.88	10.02	-2.24	-0.54	0.81	-1.83
		-1.96	-0.48	-3.61e-05	0.0	135.4	3.88	-17.91	-2.24	-0.54	-0.48	-1.96
143	9	2.20	0.63	-3.01e-05	-20.61	0.0	4.07	7.03	-1.65	-0.41	0.63	-1.24
		-1.34	-0.42	-2.60e-05	0.0	135.4	4.07	-13.58	-1.65	-0.41	-0.42	-1.34
143	10	2.74	0.79	-3.70e-05	-26.88	0.0	3.91	9.59	-2.16	-0.52	0.79	-1.75
		-1.87	-0.47	-3.46e-05	0.0	135.4	3.91	-17.29	-2.16	-0.52	-0.47	-1.87
143	11	2.95	-2.20	-2.69e-05	-26.88	0.0	1.56	8.61	4.22	1.05	-2.20	-1.42
		-1.78	-3.03	5.36e-04	0.0	135.4	1.56	-18.27	4.22	1.05	-3.03	-1.78
143	12	2.68	0.85	-5.62e-05	-26.88	0.0	-1.68	10.26	-2.86	-0.70	0.85	-1.93
		-1.93	-0.69	-1.31e-04	0.0	135.4	-1.68	-16.62	-2.86	-0.70	-0.69	-1.80
143	13	2.94	-2.18	-2.88e-05	-26.88	0.0	0.71	8.70	4.08	1.01	-2.18	-1.45
		-1.76	-3.07	5.19e-04	0.0	135.4	0.71	-18.18	4.08	1.01	-3.07	-1.76
143	14	2.69	0.83	-5.34e-05	-26.88	0.0	-0.83	10.18	-2.72	-0.67	0.83	-1.90
		-1.90	-0.65	-1.14e-04	0.0	135.4	-0.83	-16.70	-2.72	-0.67	-0.65	-1.82
143	15	3.20	-3.68	-4.97e-05	-26.88	0.0	-19.39	8.70	7.13	1.53	-3.68	-1.33
		-1.38	-5.03	5.68e-04	0.0	135.4	-19.39	-18.18	7.13	1.53	-5.03	-1.38
143	16	2.43	2.33	-3.04e-05	-26.88	0.0	19.27	10.17	-5.77	-1.19	2.33	-2.03
		-2.21	1.31	-1.63e-04	0.0	135.4	19.27	-16.71	-5.77	-1.19	1.31	-2.21
143	17	3.18	-3.33	-5.90e-05	-26.88	0.0	-19.15	8.81	5.99	1.25	-3.33	-1.36
		-1.37	-4.94	4.68e-04	0.0	135.4	-19.15	-18.07	5.99	1.25	-4.94	-1.37
143	18	2.45	1.98	-2.27e-05	-26.88	0.0	19.03	10.06	-4.63	-0.90	1.98	-1.99
		-2.21	1.21	-6.32e-05	0.0	135.4	19.03	-16.82	-4.63	-0.90	1.21	-2.21
143	19	2.79	0.73	-2.33e-05	-26.88	0.0	8.91	8.99	-1.53	-0.36	0.73	-1.58
		-1.94	-0.28	5.19e-05	0.0	135.4	8.91	-17.90	-1.53	-0.36	-0.28	-1.94
143	20	2.69	0.84	-5.40e-05	-26.88	0.0	-1.10	10.19	-2.79	-0.68	0.84	-1.91
		-1.91	-0.67	-1.21e-04	0.0	135.4	-1.10	-16.69	-2.79	-0.68	-0.67	-1.81
143	21	2.79	0.75	-2.50e-05	-26.88	0.0	8.15	9.06	-1.65	-0.40	0.75	-1.61
		-1.91	-0.31	3.61e-05	0.0	135.4	8.15	-17.82	-1.65	-0.40	-0.31	-1.91
143	22	2.69	0.83	-5.16e-05	-26.88	0.0	-0.34	10.12	-2.67	-0.65	0.83	-1.88
		-1.88	-0.63	-1.05e-04	0.0	135.4	-0.34	-16.76	-2.67	-0.65	-0.63	-1.83
143	23	3.01	-0.60	-4.31e-05	-26.88	0.0	-9.87	9.07	1.08	0.07	-0.60	-1.50
		-1.57	-2.07	8.07e-05	0.0	135.4	-9.87	-17.82	1.08	0.07	-2.07	-1.57
143	24	2.46	2.17	-3.11e-05	-26.88	0.0	17.68	10.11	-5.40	-1.12	2.17	-2.00
		-2.17	1.13	-1.50e-04	0.0	135.4	17.68	-16.77	-5.40	-1.12	1.13	-2.17
143	25	3.00	-0.29	-5.12e-05	-26.88	0.0	-9.65	9.17	0.06	-0.19	-0.29	-1.53
		-1.57	-1.98	-9.07e-06	0.0	135.4	-9.65	-17.72	0.06	-0.19	-1.98	-1.57
143	26	2.48	1.86	-2.41e-05	-26.88	0.0	17.46	10.01	-4.38	-0.86	1.86	-1.97
		-2.18	1.04	-6.02e-05	0.0	135.4	17.46	-16.87	-4.38	-0.86	1.04	-2.18
146	1	4.11	0.06	-6.49e-05	-33.51	0.0	-1.48	11.82	-0.04	-0.02	0.06	-2.49
		-2.64	-0.05	2.68e-06	0.0	159.4	-1.48	-21.70	-0.04	-0.02	-0.05	-2.64
146	2	5.97	0.14	-9.14e-05	-51.97	0.0	-3.17	19.44	-0.33	-0.10	0.14	-4.30
		-4.47	-0.09	-8.21e-06	0.0	159.4	-3.17	-32.53	-0.33	-0.10	-0.09	-4.47
146	3	2.02	-3.95e-03	-3.36e-05	-14.42	0.0	-0.11	4.39	0.15	0.03	-3.95e-03	-0.81
		-0.90	-0.01	8.77e-06	0.0	159.4	-0.11	-10.02	0.15	0.03	-0.01	-0.90
146	4	3.88	0.08	-6.01e-05	-32.88	0.0	-1.79	12.02	-0.14	-0.05	0.08	-2.61
		-2.73	-0.05	-2.12e-06	0.0	159.4	-1.79	-20.86	-0.14	-0.05	-0.05	-2.73
146	5	3.01	0.04	-4.77e-05	-24.26	0.0	-1.00	8.46	-6.29e-03	-0.01	0.04	-1.77
		-1.88	-0.03	2.96e-06	0.0	159.4	-1.00	-15.80	-6.29e-03	-0.01	-0.03	-1.88
146	6	4.25	0.10	-6.54e-05	-36.57	0.0	-2.13	13.55	-0.20	-0.06	0.10	-2.97
		-3.10	-0.06	-4.30e-06	0.0	159.4	-2.13	-23.02	-0.20	-0.06	-0.06	-3.10
146	7	3.01	0.04	-4.77e-05	-24.26	0.0	-1.00	8.46	-6.29e-03	-0.01	0.04	-1.77
		-1.88	-0.03	2.96e-06	0.0	159.4	-1.00	-15.80	-6.29e-03	-0.01	-0.03	-1.88
146	8	3.88	0.08	-6.01e-05	-32.88	0.0	-1.79	12.02	-0.14	-0.05	0.08	-2.61
		-2.73	-0.05	-2.12e-06	0.0	159.4	-1.79	-20.86	-0.14	-0.05	-0.05	-2.73
146	9	3.01	0.04	-4.77e-05	-24.26	0.0	-1.00	8.46	-6.29e-03	-0.01	0.04	-1.77
		-1.88	-0.03	2.96e-06	0.0	159.4	-1.00	-15.80	-6.29e-03	-0.01	-0.03	-1.88
146	10	3.75	0.07	-5.83e-05	-31.65	0.0	-1.68	11.51	-0.12	-0.04	0.07	-2.49
		-2.61	-0.05	-1.40e-06	0.0	159.4	-1.68	-20.13	-0.12	-0.04	-0.05	-2.61
146	11	4.11	-3.37	-4.25e-05	-31.65	0.0	-13.47	10.67	-1.74	-0.83	-3.37	-2.10
		-2.28	-4.52	-3.64e-04	0.0	159.4	-13.47	-20.97	-1.74	-0.83	-4.52	-2.28
146	12	3.59	0.18	-7.93e-05	-31.65	0.0	4.99	12.17	-0.50	-0.15	0.18	-2.75

		-2.75	-0.11	-1.22e-04	0.0	159.4	4.99	-19.48	-0.50	-0.15	-0.11	-2.67
146	13	4.10	-3.33	-4.48e-05	-31.65	0.0	-12.60	10.76	-1.87	-0.86	-3.33	-2.15
		-2.26	-4.51	-3.86e-04	0.0	159.4	-12.60	-20.89	-1.87	-0.86	-4.51	-2.26
146	14	3.61	0.14	-7.63e-05	-31.65	0.0	4.12	12.09	-0.37	-0.12	0.14	-2.71
		-2.71	-0.12	-1.00e-04	0.0	159.4	4.12	-19.56	-0.37	-0.12	-0.12	-2.68
146	15	4.35	-4.70	-5.75e-05	-31.65	0.0	-16.18	10.96	-3.54	-1.58	-4.70	-2.12
		-2.12	-7.45	-7.22e-04	0.0	159.4	-16.18	-20.68	-3.54	-1.58	-7.45	-1.79
146	16	3.36	2.82	-6.13e-05	-31.65	0.0	7.69	11.88	1.30	0.61	1.51	-2.73
		-3.15	1.51	2.36e-04	0.0	159.4	7.69	-19.77	1.30	0.61	2.82	-3.15
146	17	4.28	-4.17	-6.67e-05	-31.65	0.0	-14.06	11.13	-4.01	-1.64	-4.17	-2.20
		-2.20	-6.95	-7.43e-04	0.0	159.4	-14.06	-20.51	-4.01	-1.64	-6.95	-1.86
146	18	3.43	2.32	-5.17e-05	-31.65	0.0	5.57	11.71	1.77	0.66	0.98	-2.66
		-3.09	0.98	2.57e-04	0.0	159.4	5.57	-19.94	1.77	0.66	2.32	-3.09
146	19	3.89	4.66e-03	-4.24e-05	-31.65	0.0	-7.65	10.93	0.21	0.06	-0.02	-2.26
		-2.56	-0.02	1.07e-04	0.0	159.4	-7.65	-20.72	0.21	0.06	4.66e-03	-2.56
146	20	3.61	0.16	-7.70e-05	-31.65	0.0	4.30	12.10	-0.46	-0.14	0.16	-2.73
		-2.73	-0.11	-1.10e-04	0.0	159.4	4.30	-19.55	-0.46	-0.14	-0.11	-2.66
146	21	3.88	0.01	-4.45e-05	-31.65	0.0	-6.87	11.00	0.10	0.03	0.01	-2.30
		-2.55	0.01	8.73e-05	0.0	159.4	-6.87	-20.65	0.10	0.03	0.01	-2.55
146	22	3.63	0.13	-7.43e-05	-31.65	0.0	3.52	12.03	-0.34	-0.11	0.13	-2.68
		-2.68	-0.11	-9.01e-05	0.0	159.4	3.52	-19.62	-0.34	-0.11	-0.11	-2.67
146	23	4.10	-1.21	-5.58e-05	-31.65	0.0	-10.07	11.19	-1.40	-0.62	-1.21	-2.28
		-2.28	-2.62	-2.14e-04	0.0	159.4	-10.07	-20.46	-1.40	-0.62	-2.62	-2.13
146	24	3.40	2.52	-6.10e-05	-31.65	0.0	6.72	11.84	1.15	0.54	1.36	-2.71
		-3.10	1.36	2.12e-04	0.0	159.4	6.72	-19.81	1.15	0.54	2.52	-3.10
146	25	4.04	-0.74	-6.43e-05	-31.65	0.0	-8.17	11.34	-1.82	-0.67	-0.74	-2.34
		-2.34	-2.18	-2.33e-04	0.0	159.4	-8.17	-20.31	-1.82	-0.67	-2.18	-2.19
146	26	3.47	2.07	-5.24e-05	-31.65	0.0	4.82	11.69	1.57	0.59	0.88	-2.64
		-3.04	0.88	2.31e-04	0.0	159.4	4.82	-19.96	1.57	0.59	2.07	-3.04
147	1	2.93	1.90	-3.92e-05	-28.46	0.0	8.47	9.94	-5.88	-1.37	1.90	-1.77
		-2.00	-0.96	-6.57e-05	0.0	135.4	8.47	-18.53	-5.88	-1.37	-0.96	-2.00
147	2	4.33	3.02	-5.72e-05	-44.15	0.0	9.06	16.13	-9.69	-2.15	3.02	-2.97
		-3.32	-1.09	-9.65e-05	0.0	135.4	9.06	-28.01	-9.69	-2.15	-1.09	-3.32
147	3	1.40	0.77	-1.91e-05	-12.25	0.0	6.15	3.83	-2.18	-0.57	0.77	-0.62
		-0.73	-0.65	-3.16e-05	0.0	135.4	6.15	-8.42	-2.18	-0.57	-0.65	-0.73
147	4	2.79	1.89	-3.71e-05	-27.93	0.0	6.74	10.03	-5.99	-1.35	1.89	-1.82
		-2.05	-0.79	-6.24e-05	0.0	135.4	6.74	-17.90	-5.99	-1.35	-0.79	-2.05
147	5	2.14	1.37	-2.87e-05	-20.61	0.0	6.47	7.13	-4.21	-0.99	1.37	-1.26
		-1.43	-0.72	-4.80e-05	0.0	135.4	6.47	-13.47	-4.21	-0.99	-0.72	-1.43
147	6	3.07	2.12	-4.07e-05	-31.06	0.0	6.86	11.27	-6.75	-1.51	2.12	-2.06
		-2.31	-0.81	-6.85e-05	0.0	135.4	6.86	-19.80	-6.75	-1.51	-0.81	-2.31
147	7	2.14	1.37	-2.87e-05	-20.61	0.0	6.47	7.13	-4.21	-0.99	1.37	-1.26
		-1.43	-0.72	-4.80e-05	0.0	135.4	6.47	-13.47	-4.21	-0.99	-0.72	-1.43
147	8	2.79	1.89	-3.71e-05	-27.93	0.0	6.74	10.03	-5.99	-1.35	1.89	-1.82
		-2.05	-0.79	-6.24e-05	0.0	135.4	6.74	-17.90	-5.99	-1.35	-0.79	-2.05
147	9	2.14	1.37	-2.87e-05	-20.61	0.0	6.47	7.13	-4.21	-0.99	1.37	-1.26
		-1.43	-0.72	-4.80e-05	0.0	135.4	6.47	-13.47	-4.21	-0.99	-0.72	-1.43
147	10	2.70	1.82	-3.59e-05	-26.88	0.0	6.70	9.61	-5.74	-1.30	1.82	-1.74
		-1.96	-0.78	-6.03e-05	0.0	135.4	6.70	-17.27	-5.74	-1.30	-0.78	-1.96
147	11	2.81	1.63	-2.57e-05	-26.88	0.0	9.34	8.83	1.41	0.76	1.63	-1.53
		-1.95	-1.03	6.09e-04	0.0	135.4	9.34	-18.05	1.41	0.76	-1.03	-1.95
147	12	2.72	1.88	-5.64e-05	-26.88	0.0	-4.09	10.13	-6.25	-1.45	1.88	-1.82
		-1.83	-1.07	-1.53e-04	0.0	135.4	-4.09	-16.75	-6.25	-1.45	-1.07	-1.83
147	13	2.81	1.63	-2.78e-05	-26.88	0.0	7.80	8.90	1.36	0.73	1.63	-1.55
		-1.92	-1.09	5.91e-04	0.0	135.4	7.80	-17.98	1.36	0.73	-1.09	-1.92
147	14	2.72	1.88	-5.34e-05	-26.88	0.0	-2.55	10.06	-6.20	-1.43	1.88	-1.80
		-1.86	-1.01	-1.35e-04	0.0	135.4	-2.55	-16.82	-6.20	-1.43	-1.01	-1.86
147	15	3.12	0.41	-5.42e-05	-26.88	0.0	-17.14	8.78	7.45	1.91	0.41	-1.34
		-1.51	-2.51	6.80e-04	0.0	135.4	-17.14	-18.10	7.45	1.91	-2.51	-1.51
147	16	2.41	3.10	-2.57e-05	-26.88	0.0	22.39	10.18	-12.29	-2.61	3.10	-2.01
		-2.26	0.41	-2.24e-04	0.0	135.4	22.39	-16.70	-12.29	-2.61	0.41	-2.26
147	17	3.13	0.40	-6.43e-05	-26.88	0.0	-17.78	8.84	6.68	1.65	0.40	-1.34
		-1.49	-2.69	5.72e-04	0.0	135.4	-17.78	-18.04	6.68	1.65	-2.69	-1.49
147	18	2.40	3.11	-1.83e-05	-26.88	0.0	23.03	10.12	-11.52	-2.35	3.11	-2.01
		-2.29	0.59	-1.16e-04	0.0	135.4	23.03	-16.76	-11.52	-2.35	0.59	-2.29
147	19	2.68	1.77	-2.09e-05	-26.88	0.0	16.38	9.15	-5.27	-1.16	1.77	-1.67
		-2.08	-0.52	2.24e-05	0.0	135.4	16.38	-17.73	-5.27	-1.16	-0.52	-2.08
147	20	2.72	1.87	-5.41e-05	-26.88	0.0	-2.97	10.08	-6.20	-1.44	1.87	-1.81
		-1.84	-1.04	-1.43e-04	0.0	135.4	-2.97	-16.80	-6.20	-1.44	-1.04	-1.84
147	21	2.68	1.76	-2.28e-05	-26.88	0.0	15.00	9.21	-5.32	-1.18	1.76	-1.69
		-2.05	-0.57	6.85e-06	0.0	135.4	15.00	-17.67	-5.32	-1.18	-0.57	-2.05
147	22	2.72	1.87	-5.15e-05	-26.88	0.0	-1.60	10.01	-6.15	-1.42	1.87	-1.79
		-1.87	-0.99	-1.27e-04	0.0	135.4	-1.60	-16.87	-6.15	-1.42	-0.99	-1.87
147	23	2.96	0.67	-4.55e-05	-26.88	0.0	-7.36	9.10	0.14	-0.13	0.67	-1.50

147	24	-1.69	-1.84	8.61e-05	0.0	135.4	-7.36	-17.78	0.14	-0.13	-1.84	-1.69
		2.44	2.97	-2.67e-05	-26.88	0.0	20.77	10.12	-11.61	-2.47	2.97	-1.98
		-2.23	0.29	-2.07e-04	0.0	135.4	20.77	-16.76	-11.61	-2.47	0.29	-2.23
147	25	2.96	0.66	-5.39e-05	-26.88	0.0	-7.93	9.15	-0.55	-0.36	0.66	-1.50
		-1.67	-2.01	-1.02e-05	0.0	135.4	-7.93	-17.73	-0.55	-0.36	-2.01	-1.67
147	26	2.43	2.97	-2.00e-05	-26.88	0.0	21.34	10.07	-10.92	-2.24	2.97	-1.98
		-2.25	0.45	-1.10e-04	0.0	135.4	21.34	-16.81	-10.92	-2.24	0.45	-2.25
150	1	4.51	-0.08	-6.68e-05	-33.51	0.0	-7.61	11.49	0.34	0.06	-0.08	-2.30
		-2.30	-0.19	1.13e-05	0.0	159.4	-7.61	-22.02	0.34	0.06	-0.19	-2.03
150	2	6.60	0.07	-9.47e-05	-51.97	0.0	-10.44	18.97	0.17	0.02	0.07	-4.02
		-4.02	-4.57e-03	1.11e-05	0.0	159.4	-10.44	-33.00	0.17	0.02	-4.57e-03	-3.48
150	3	2.18	-0.15	-3.42e-05	-14.42	0.0	-4.11	4.23	0.37	0.08	-0.15	-0.71
		-0.71	-0.26	9.06e-06	0.0	159.4	-4.11	-10.19	0.37	0.08	-0.26	-0.67
150	4	4.27	-4.98e-03	-6.21e-05	-32.88	0.0	-6.94	11.72	0.20	0.03	-4.98e-03	-2.43
		-2.43	-0.08	8.61e-06	0.0	159.4	-6.94	-21.16	0.20	0.03	-0.08	-2.12
150	5	3.30	-0.07	-4.91e-05	-24.26	0.0	-5.62	8.22	0.28	0.05	-0.07	-1.63
		-1.63	-0.16	8.68e-06	0.0	159.4	-5.62	-16.04	0.28	0.05	-0.16	-1.44
150	6	4.69	0.02	-6.77e-05	-36.57	0.0	-7.51	13.21	0.16	0.02	0.02	-2.78
		-2.78	-0.04	8.58e-06	0.0	159.4	-7.51	-23.36	0.16	0.02	-0.04	-2.41
150	7	3.30	-0.07	-4.91e-05	-24.26	0.0	-5.62	8.22	0.28	0.05	-0.07	-1.63
		-1.63	-0.16	8.68e-06	0.0	159.4	-5.62	-16.04	0.28	0.05	-0.16	-1.44
150	8	4.27	-4.98e-03	-6.21e-05	-32.88	0.0	-6.94	11.72	0.20	0.03	-4.98e-03	-2.43
		-2.43	-0.08	8.61e-06	0.0	159.4	-6.94	-21.16	0.20	0.03	-0.08	-2.12
150	9	3.30	-0.07	-4.91e-05	-24.26	0.0	-5.62	8.22	0.28	0.05	-0.07	-1.63
		-1.63	-0.16	8.68e-06	0.0	159.4	-5.62	-16.04	0.28	0.05	-0.16	-1.44
150	10	4.13	-0.01	-6.03e-05	-31.65	0.0	-6.75	11.22	0.21	0.03	-0.01	-2.32
		-2.32	-0.09	8.62e-06	0.0	159.4	-6.75	-20.43	0.21	0.03	-0.09	-2.02
150	11	5.12	7.89	-4.81e-05	-31.65	0.0	-19.49	9.91	-6.20	-2.26	3.06	-1.72
		-1.72	3.06	-5.30e-04	0.0	159.4	-19.49	-21.74	-6.20	-2.26	7.89	-0.66
150	12	2.62	-0.02	-6.96e-05	-31.65	0.0	10.39	13.43	-0.32	-0.10	-0.02	-3.23
		-4.15	-1.21	-1.01e-04	0.0	159.4	10.39	-18.21	-0.32	-0.10	-1.21	-4.15
150	13	4.94	8.03	-4.85e-05	-31.65	0.0	-17.04	10.19	-6.24	-2.28	3.15	-1.85
		-1.85	3.15	-5.41e-04	0.0	159.4	-17.04	-21.46	-6.24	-2.28	8.03	-0.89
150	14	2.79	-0.11	-6.73e-05	-31.65	0.0	7.93	13.16	-0.27	-0.08	-0.11	-3.11
		-3.92	-1.36	-8.97e-05	0.0	159.4	7.93	-18.49	-0.27	-0.08	-1.36	-3.92
150	15	2.70	10.76	-2.66e-05	-31.65	0.0	4.69	13.67	-11.66	-3.99	4.99	-3.14
		-4.06	4.99	-9.30e-04	0.0	159.4	4.69	-17.98	-11.66	-3.99	10.76	-4.06
150	16	5.03	-1.95	-8.58e-05	-31.65	0.0	-13.79	9.68	5.15	1.64	-1.95	-1.81
		-1.81	-4.09	2.99e-04	0.0	159.4	-13.79	-21.97	5.15	1.64	-4.09	-0.74
150	17	2.49	9.52	-3.42e-05	-31.65	0.0	7.24	13.97	-11.38	-3.80	4.71	-3.28
		-4.36	4.71	-9.36e-04	0.0	159.4	7.24	-17.67	-11.38	-3.80	9.52	-4.36
150	18	5.25	-1.67	-7.68e-05	-31.65	0.0	-16.35	9.37	4.87	1.45	-1.67	-1.67
		-1.67	-2.85	3.05e-04	0.0	159.4	-16.35	-22.28	4.87	1.45	-2.85	-0.44
150	19	5.49	0.92	-5.72e-05	-31.65	0.0	-22.11	9.23	0.68	0.15	-8.08e-03	-1.50
		-1.50	-8.08e-03	1.07e-04	0.0	159.4	-22.11	-22.42	0.68	0.15	0.92	-0.12
150	20	2.70	-0.02	-6.80e-05	-31.65	0.0	8.61	13.20	-0.26	-0.09	-0.02	-3.14
		-3.93	-1.09	-8.94e-05	0.0	159.4	8.61	-18.44	-0.26	-0.09	-1.09	-3.93
150	21	5.33	1.05	-5.79e-05	-31.65	0.0	-19.92	9.48	0.64	0.14	0.07	-1.61
		-1.61	0.07	9.68e-05	0.0	159.4	-19.92	-22.17	0.64	0.14	1.05	-0.33
150	22	2.93	-0.10	-6.60e-05	-31.65	0.0	6.41	12.95	-0.22	-0.07	-0.10	-3.02
		-3.72	-1.23	-7.95e-05	0.0	159.4	6.41	-18.69	-0.22	-0.07	-1.23	-3.72
150	23	3.33	3.50	-3.84e-05	-31.65	0.0	-0.44	12.60	-4.22	-1.40	1.72	-2.78
		-3.17	1.72	-2.52e-04	0.0	159.4	-0.44	-19.05	-4.22	-1.40	3.50	-3.17
150	24	4.94	-1.75	-8.31e-05	-31.65	0.0	-13.06	9.84	4.63	1.47	-1.75	-1.86
		-1.86	-3.67	2.69e-04	0.0	159.4	-13.06	-21.81	4.63	1.47	-3.67	-0.87
150	25	3.14	2.39	-4.54e-05	-31.65	0.0	1.85	12.87	-3.97	-1.23	1.47	-2.90
		-3.44	1.47	-2.57e-04	0.0	159.4	1.85	-18.78	-3.97	-1.23	2.39	-3.44
150	26	5.13	-1.50	-7.51e-05	-31.65	0.0	-15.35	9.56	4.39	1.30	-1.50	-1.74
		-1.74	-2.56	2.74e-04	0.0	159.4	-15.35	-22.09	4.39	1.30	-2.56	-0.61
151	1	2.97	0.43	-4.05e-05	-28.46	0.0	2.69	9.79	-0.95	-0.25	0.43	-1.70
		-2.00	-0.23	-1.72e-05	0.0	135.4	2.69	-18.68	-0.95	-0.25	-0.23	-2.00
151	2	4.23	0.60	-5.64e-05	-44.15	0.0	1.95	16.31	-1.51	-0.39	0.60	-3.01
		-3.47	-0.29	-3.29e-05	0.0	135.4	1.95	-27.83	-1.51	-0.39	-0.29	-3.47
151	3	1.51	0.22	-2.13e-05	-12.25	0.0	2.53	3.51	-0.38	-0.11	0.22	-0.50
		-0.63	-0.14	-3.56e-06	0.0	135.4	2.53	-8.73	-0.38	-0.11	-0.14	-0.63
151	4	2.77	0.40	-3.73e-05	-27.93	0.0	1.78	10.04	-0.95	-0.25	0.40	-1.81
		-2.10	-0.20	-1.92e-05	0.0	135.4	1.78	-17.89	-0.95	-0.25	-0.20	-2.10
151	5	2.18	0.31	-2.98e-05	-20.61	0.0	2.13	6.99	-0.68	-0.18	0.31	-1.20
		-1.41	-0.17	-1.19e-05	0.0	135.4	2.13	-13.62	-0.68	-0.18	-0.17	-1.41
151	6	3.02	0.43	-4.05e-05	-31.06	0.0	1.64	11.34	-1.06	-0.28	0.43	-2.07
		-2.40	-0.21	-2.24e-05	0.0	135.4	1.64	-19.72	-1.06	-0.28	-0.21	-2.40
151	7	2.18	0.31	-2.98e-05	-20.61	0.0	2.13	6.99	-0.68	-0.18	0.31	-1.20
		-1.41	-0.17	-1.19e-05	0.0	135.4	2.13	-13.62	-0.68	-0.18	-0.17	-1.41
151	8	2.77	0.40	-3.73e-05	-27.93	0.0	1.78	10.04	-0.95	-0.25	0.40	-1.81

151	9	-2.10	-0.20	-1.92e-05	0.0	135.4	1.78	-17.89	-0.95	-0.25	-0.20	-2.10
		2.18	0.31	-2.98e-05	-20.61	0.0	2.13	6.99	-0.68	-0.18	0.31	-1.20
		-1.41	-0.17	-1.19e-05	0.0	135.4	2.13	-13.62	-0.68	-0.18	-0.17	-1.41
151	10	2.68	0.39	-3.62e-05	-26.88	0.0	1.83	9.60	-0.91	-0.24	0.39	-1.72
		-2.00	-0.20	-1.82e-05	0.0	135.4	1.83	-17.28	-0.91	-0.24	-0.20	-2.00
151	11	2.91	-3.75	-2.50e-05	-26.88	0.0	-4.44	8.71	3.64	0.70	-3.75	-1.40
		-1.87	-4.18	3.20e-04	0.0	135.4	-4.44	-18.17	3.64	0.70	-4.18	-1.87
151	12	2.62	0.43	-5.51e-05	-26.88	0.0	0.56	10.22	-1.52	-0.40	0.43	-1.91
		-1.95	-0.32	-1.20e-04	0.0	135.4	0.56	-16.66	-1.52	-0.40	-0.32	-1.95
151	13	2.91	-3.73	-2.69e-05	-26.88	0.0	-4.73	8.78	3.49	0.66	-3.73	-1.43
		-1.84	-4.21	3.02e-04	0.0	135.4	-4.73	-18.10	3.49	0.66	-4.21	-1.84
151	14	2.62	0.41	-5.22e-05	-26.88	0.0	0.85	10.15	-1.37	-0.36	0.41	-1.88
		-1.99	-0.29	-1.02e-04	0.0	135.4	0.85	-16.74	-1.37	-0.36	-0.29	-1.99
151	15	3.16	-5.48	-4.34e-05	-26.88	0.0	-20.19	8.80	5.17	0.82	-5.48	-1.33
		-1.44	-6.53	2.65e-04	0.0	135.4	-20.19	-18.09	5.17	0.82	-6.53	-1.44
151	16	2.36	2.16	-3.29e-05	-26.88	0.0	16.31	10.13	-3.05	-0.52	2.16	-1.98
		-2.39	2.03	-6.59e-05	0.0	135.4	16.31	-16.75	-3.05	-0.52	2.03	-2.39
151	17	3.14	-4.98	-5.23e-05	-26.88	0.0	-19.22	8.92	4.08	0.58	-4.98	-1.37
		-1.45	-6.20	1.88e-04	0.0	135.4	-19.22	-17.96	4.08	0.58	-6.20	-1.45
151	18	2.39	1.70	-2.50e-05	-26.88	0.0	15.34	10.01	-1.96	-0.27	1.66	-1.94
		-2.38	1.66	1.56e-05	0.0	135.4	15.34	-16.87	-1.96	-0.27	1.70	-2.38
151	19	2.75	0.34	-2.27e-05	-26.88	0.0	2.98	9.05	-0.36	-0.10	0.34	-1.55
		-2.05	-0.09	7.29e-05	0.0	135.4	2.98	-17.83	-0.36	-0.10	-0.09	-2.05
151	20	2.62	0.43	-5.29e-05	-26.88	0.0	0.69	10.15	-1.46	-0.38	0.43	-1.89
		-1.96	-0.31	-1.09e-04	0.0	135.4	0.69	-16.73	-1.46	-0.38	-0.31	-1.96
151	21	2.75	0.36	-2.45e-05	-26.88	0.0	2.72	9.12	-0.50	-0.13	0.36	-1.58
		-2.02	-0.11	5.68e-05	0.0	135.4	2.72	-17.77	-0.50	-0.13	-0.11	-2.02
151	22	2.62	0.41	-5.05e-05	-26.88	0.0	0.95	10.09	-1.32	-0.35	0.41	-1.86
		-1.99	-0.28	-9.32e-05	0.0	135.4	0.95	-16.79	-1.32	-0.35	-0.28	-1.99
151	23	2.97	-1.21	-3.91e-05	-26.88	0.0	-11.14	9.13	1.01	0.01	-1.21	-1.49
		-1.66	-2.20	3.18e-05	0.0	135.4	-11.14	-17.75	1.01	0.01	-2.20	-1.66
151	24	2.40	1.98	-3.33e-05	-26.88	0.0	14.81	10.08	-2.82	-0.49	1.98	-1.96
		-2.35	1.80	-6.08e-05	0.0	135.4	14.81	-16.81	-2.82	-0.49	1.80	-2.35
151	25	2.95	-0.76	-4.69e-05	-26.88	0.0	-10.27	9.24	0.03	-0.21	-0.76	-1.53
		-1.67	-1.90	-4.85e-05	0.0	135.4	-10.27	-17.64	0.03	-0.21	-1.90	-1.67
151	26	2.42	1.53	-2.61e-05	-26.88	0.0	13.94	9.96	-1.85	-0.27	1.53	-1.92
		-2.34	1.50	1.21e-05	0.0	135.4	13.94	-16.92	-1.85	-0.27	1.50	-2.34
154	1	2.10	1.44	-3.44e-05	-11.70	0.0	-5.71	4.08	-2.05	-0.28	0.81	-0.72
		-0.72	0.81	-3.73e-05	0.0	162.1	-5.71	-7.62	-2.05	-0.28	1.44	0.18
154	2	2.84	2.67	-6.13e-05	-16.16	0.0	-9.93	6.45	-4.04	-0.54	1.56	-1.26
		-1.26	1.56	-6.92e-05	0.0	162.1	-9.93	-9.70	-4.04	-0.54	2.67	0.36
154	3	1.17	0.35	-1.15e-05	-6.26	0.0	-1.79	1.68	-0.35	-0.05	0.16	-0.22
		-0.22	0.16	-9.12e-06	0.0	162.1	-1.79	-4.58	-0.35	-0.05	0.35	0.03
154	4	1.90	1.58	-3.66e-05	-10.71	0.0	-6.01	4.05	-2.34	-0.31	0.91	-0.76
		-0.76	0.91	-4.10e-05	0.0	162.1	-6.01	-6.66	-2.34	-0.31	1.58	0.21
154	5	1.56	1.01	-2.43e-05	-8.64	0.0	-4.04	2.95	-1.41	-0.19	0.56	-0.51
		-0.51	0.56	-2.61e-05	0.0	162.1	-4.04	-5.69	-1.41	-0.19	1.01	0.12
154	6	2.05	1.83	-4.21e-05	-11.61	0.0	-6.86	4.53	-2.74	-0.36	1.06	-0.87
		-0.87	1.06	-4.73e-05	0.0	162.1	-6.86	-7.08	-2.74	-0.36	1.83	0.24
154	7	1.56	1.01	-2.43e-05	-8.64	0.0	-4.04	2.95	-1.41	-0.19	0.56	-0.51
		-0.51	0.56	-2.61e-05	0.0	162.1	-4.04	-5.69	-1.41	-0.19	1.01	0.12
154	8	1.90	1.58	-3.66e-05	-10.71	0.0	-6.01	4.05	-2.34	-0.31	0.91	-0.76
		-0.76	0.91	-4.10e-05	0.0	162.1	-6.01	-6.66	-2.34	-0.31	1.58	0.21
154	9	1.56	1.01	-2.43e-05	-8.64	0.0	-4.04	2.95	-1.41	-0.19	0.56	-0.51
		-0.51	0.56	-2.61e-05	0.0	162.1	-4.04	-5.69	-1.41	-0.19	1.01	0.12
154	10	1.85	1.50	-3.48e-05	-10.42	0.0	-5.73	3.89	-2.21	-0.29	0.86	-0.72
		-0.72	0.86	-3.88e-05	0.0	162.1	-5.73	-6.52	-2.21	-0.29	1.50	0.19
154	11	1.83	-1.08	-8.23e-05	-10.42	0.0	-9.96	3.77	0.85	0.15	-2.00	-0.67
		-0.67	-2.00	2.71e-05	0.0	162.1	-9.96	-6.65	0.85	0.15	-1.08	0.10
154	12	1.95	2.52	-2.17e-05	-10.42	0.0	-1.81	4.14	-5.64	-0.93	2.22	-0.82
		-0.82	2.22	-1.35e-04	0.0	162.1	-1.81	-6.28	-5.64	-0.93	2.52	0.44
154	13	1.82	-1.22	-7.76e-05	-10.42	0.0	-9.57	3.77	0.59	0.07	-2.10	-0.68
		-0.68	-2.10	-2.35e-05	0.0	162.1	-9.57	-6.65	0.59	0.07	-1.22	0.10
154	14	1.95	2.66	-2.41e-05	-10.42	0.0	-2.20	4.13	-5.38	-0.85	2.32	-0.81
		-0.81	2.32	-1.07e-04	0.0	162.1	-2.20	-6.28	-5.38	-0.85	2.66	0.44
154	15	1.59	-2.84	-1.42e-04	-10.42	0.0	-4.57	4.85	-0.50	0.07	-2.84	-1.09
		-1.09	-3.09	-1.12e-04	0.0	162.1	-4.57	-5.57	-0.50	0.07	-3.09	0.01
154	16	2.18	4.54	6.68e-05	-10.42	0.0	-7.20	3.06	-4.29	-0.86	3.06	-0.40
		-0.40	3.06	-6.47e-05	0.0	162.1	-7.20	-7.36	-4.29	-0.86	4.54	0.53
154	17	1.70	-1.88	-1.26e-04	-10.42	0.0	-4.29	4.77	-2.06	-0.28	-1.88	-1.06
		-1.06	-2.00	-1.91e-04	0.0	162.1	-4.29	-5.65	-2.06	-0.28	-2.00	0.18
154	18	2.08	3.44	5.06e-05	-10.42	0.0	-7.48	3.14	-2.73	-0.50	2.10	-0.43
		-0.43	2.10	6.37e-05	0.0	162.1	-7.48	-7.28	-2.73	-0.50	3.44	0.36
154	19	1.78	0.59	-4.91e-05	-10.42	0.0	-9.24	3.68	0.87	0.28	-0.35	-0.64

154	20	-0.64	-0.35	5.81e-05	0.0	162.1	-9.24	-6.74	0.87	0.28	0.59	-0.03
		1.94	2.42	-2.29e-05	-10.42	0.0	-2.22	4.11	-5.28	-0.87	2.08	-0.81
		-0.81	2.08	-1.25e-04	0.0	162.1	-2.22	-6.31	-5.28	-0.87	2.42	0.41
154	21	1.77	0.46	-4.61e-05	-10.42	0.0	-8.89	3.68	0.64	0.20	-0.44	-0.65
		-0.65	-0.44	2.95e-05	0.0	162.1	-8.89	-6.74	0.64	0.20	0.46	-0.03
154	22	1.94	2.54	-2.51e-05	-10.42	0.0	-2.57	4.11	-5.05	-0.79	2.17	-0.80
		-0.80	2.17	-1.00e-04	0.0	162.1	-2.57	-6.31	-5.05	-0.79	2.54	0.42
154	23	1.55	-1.11	-9.63e-05	-10.42	0.0	-4.41	4.64	-0.34	0.21	-1.11	-1.02
		-1.02	-1.22	-4.99e-05	0.0	162.1	-4.41	-5.78	-0.34	0.21	-1.22	-0.11
154	24	2.15	4.22	5.79e-05	-10.42	0.0	-7.05	3.15	-4.07	-0.80	2.83	-0.43
		-0.43	2.83	-6.17e-05	0.0	162.1	-7.05	-7.27	-4.07	-0.80	4.22	0.49
154	25	1.65	-0.23	-8.17e-05	-10.42	0.0	-4.16	4.57	-1.74	-0.11	-0.24	-0.99
		-0.99	-0.24	-1.20e-04	0.0	162.1	-4.16	-5.85	-1.74	-0.11	-0.23	0.04
154	26	2.05	3.24	4.33e-05	-10.42	0.0	-7.30	3.22	-2.67	-0.48	1.97	-0.46
		-0.46	1.97	5.37e-05	0.0	162.1	-7.30	-7.20	-2.67	-0.48	3.24	0.34
156	1	1.95	0.32	-2.98e-05	-16.34	0.0	-2.59	6.66	-0.95	-0.14	0.32	-1.46
		-1.46	7.11e-03	-5.00e-06	0.0	162.1	-2.59	-9.68	-0.95	-0.14	7.11e-03	-1.27
156	2	2.42	0.67	-5.16e-05	-23.77	0.0	-3.84	10.75	-1.95	-0.26	0.67	-2.55
		-2.55	0.05	-6.33e-06	0.0	162.1	-3.84	-13.01	-1.95	-0.26	0.05	-2.23
156	3	1.20	0.03	-1.11e-05	-8.00	0.0	-1.22	2.60	-0.12	-0.03	0.03	-0.46
		-0.46	-0.02	-5.18e-06	0.0	162.1	-1.22	-5.40	-0.12	-0.03	-0.02	-0.38
156	4	1.68	0.38	-3.11e-05	-15.43	0.0	-2.47	6.70	-1.12	-0.15	0.38	-1.55
		-1.55	0.02	-4.26e-06	0.0	162.1	-2.47	-8.73	-1.12	-0.15	0.02	-1.35
156	5	1.46	0.22	-2.12e-05	-11.96	0.0	-1.89	4.79	-0.65	-0.10	0.22	-1.04
		-1.04	2.13e-03	-3.84e-06	0.0	162.1	-1.89	-7.18	-0.65	-0.10	2.13e-03	-0.90
156	6	1.78	0.45	-3.56e-05	-16.91	0.0	-2.72	7.52	-1.32	-0.18	0.45	-1.76
		-1.76	0.03	-4.58e-06	0.0	162.1	-2.72	-9.39	-1.32	-0.18	0.03	-1.54
156	7	1.46	0.22	-2.12e-05	-11.96	0.0	-1.89	4.79	-0.65	-0.10	0.22	-1.04
		-1.04	2.13e-03	-3.84e-06	0.0	162.1	-1.89	-7.18	-0.65	-0.10	2.13e-03	-0.90
156	8	1.68	0.38	-3.11e-05	-15.43	0.0	-2.47	6.70	-1.12	-0.15	0.38	-1.55
		-1.55	0.02	-4.26e-06	0.0	162.1	-2.47	-8.73	-1.12	-0.15	0.02	-1.35
156	9	1.46	0.22	-2.12e-05	-11.96	0.0	-1.89	4.79	-0.65	-0.10	0.22	-1.04
		-1.04	2.13e-03	-3.84e-06	0.0	162.1	-1.89	-7.18	-0.65	-0.10	2.13e-03	-0.90
156	10	1.65	0.36	-2.97e-05	-14.93	0.0	-2.39	6.42	-1.05	-0.14	0.36	-1.47
		-1.47	0.02	-4.17e-06	0.0	162.1	-2.39	-8.51	-1.05	-0.14	0.02	-1.28
156	11	2.05	-0.29	-8.53e-05	-14.93	0.0	-8.43	5.50	1.41	0.68	-0.29	-1.10
		-1.10	-1.24	2.22e-04	0.0	162.1	-8.43	-9.44	1.41	0.68	-1.24	-0.86
156	12	1.47	1.39	-1.18e-05	-14.93	0.0	1.02	6.94	-4.04	-0.81	1.39	-1.68
		-1.68	0.13	-1.32e-04	0.0	162.1	1.02	-7.99	-4.04	-0.81	0.13	-1.43
156	13	2.02	-0.49	-8.02e-05	-14.93	0.0	-7.71	5.54	1.47	0.67	-0.49	-1.13
		-1.13	-1.50	2.09e-04	0.0	162.1	-7.71	-9.39	1.47	0.67	-1.50	-0.89
156	14	1.50	1.60	-1.44e-05	-14.93	0.0	0.30	6.90	-4.10	-0.81	1.60	-1.65
		-1.65	0.39	-1.20e-04	0.0	162.1	0.30	-8.04	-4.10	-0.81	0.39	-1.40
156	15	2.18	0.53	-1.43e-04	-14.93	0.0	-11.75	5.78	-0.29	0.52	0.53	-1.13
		-1.13	-1.95	2.27e-04	0.0	162.1	-11.75	-9.16	-0.29	0.52	-1.95	-0.57
156	16	1.34	0.85	6.88e-05	-14.93	0.0	4.35	6.66	-2.33	-0.65	0.85	-1.65
		-1.72	0.58	-1.38e-04	0.0	162.1	4.35	-8.27	-2.33	-0.65	0.58	-1.72
156	17	2.10	0.83	-1.26e-04	-14.93	0.0	-10.40	5.93	-1.56	0.18	0.83	-1.20
		-1.20	-1.75	1.02e-04	0.0	162.1	-10.40	-9.00	-1.56	0.18	-1.75	-0.66
156	18	1.42	0.65	5.19e-05	-14.93	0.0	2.99	6.51	-1.06	-0.31	0.65	-1.58
		-1.63	0.27	-1.47e-05	0.0	162.1	2.99	-8.43	-1.06	-0.31	0.27	-1.63
156	19	1.81	-0.09	-4.89e-05	-14.93	0.0	-5.44	5.96	1.63	0.45	-0.09	-1.29
		-1.29	-0.57	1.14e-04	0.0	162.1	-5.44	-8.97	1.63	0.45	-0.57	-1.15
156	20	1.49	1.29	-1.34e-05	-14.93	0.0	0.67	6.88	-3.73	-0.74	1.29	-1.66
		-1.66	0.12	-1.19e-04	0.0	162.1	0.67	-8.05	-3.73	-0.74	0.12	-1.42
156	21	1.78	-0.32	-4.55e-05	-14.93	0.0	-4.80	6.00	1.68	0.45	-0.32	-1.31
		-1.31	-0.75	1.02e-04	0.0	162.1	-4.80	-8.93	1.68	0.45	-0.75	-1.17
156	22	1.51	1.47	-1.59e-05	-14.93	0.0	0.02	6.85	-3.78	-0.74	1.47	-1.63
		-1.63	0.35	-1.07e-04	0.0	162.1	0.02	-8.08	-3.78	-0.74	0.35	-1.39
156	23	1.92	0.16	-9.64e-05	-14.93	0.0	-8.42	6.22	0.10	0.31	0.16	-1.31
		-1.31	-0.73	1.18e-04	0.0	162.1	-8.42	-8.72	0.10	0.31	-0.73	-0.89
156	24	1.37	0.76	5.97e-05	-14.93	0.0	3.65	6.63	-2.20	-0.60	0.76	-1.63
		-1.67	0.56	-1.24e-04	0.0	162.1	3.65	-8.30	-2.20	-0.60	0.56	-1.67
156	25	1.85	0.43	-8.13e-05	-14.93	0.0	-7.21	6.35	-1.04	9.59e-04	0.43	-1.38
		-1.38	-0.55	6.37e-06	0.0	162.1	-7.21	-8.58	-1.04	9.59e-04	-0.55	-0.97
156	26	1.44	0.58	4.46e-05	-14.93	0.0	2.43	6.50	-1.06	-0.29	0.58	-1.57
		-1.60	0.28	-1.36e-05	0.0	162.1	2.43	-8.43	-1.06	-0.29	0.28	-1.60
158	1	10.66	9.29	-1.37e-04	-7.06	0.0	-22.37	-6.81	-4.53	-0.46	3.03	3.23
		3.23	3.03	-1.20e-04	0.0	162.1	-22.37	-13.87	-4.53	-0.46	9.29	10.66
158	2	19.11	17.89	-2.43e-04	-8.55	0.0	-38.59	-12.57	-8.96	-0.93	5.83	5.73
		5.73	5.83	-2.33e-04	0.0	162.1	-38.59	-21.12	-8.96	-0.93	17.89	19.11
158	3	3.15	1.86	-3.99e-05	-4.52	0.0	-7.23	-1.70	-0.76	-0.06	0.61	0.95
		0.95	0.61	-2.29e-05	0.0	162.1	-7.23	-6.22	-0.76	-0.06	1.86	3.00
158	4	11.45	10.46	-1.46e-04	-6.00	0.0	-23.44	-7.46	-5.19	-0.53	3.41	3.45

		3.45	3.41	-1.36e-04	0.0	162.1	-23.44	-13.46	-5.19	-0.53	10.46	11.45
158	5	7.50	6.44	-9.64e-05	-5.31	0.0	-15.88	-4.77	-3.13	-0.31	2.11	2.28
		2.28	2.11	-8.30e-05	0.0	162.1	-15.88	-10.08	-3.13	-0.31	6.44	7.50
158	6	13.14	12.18	-1.67e-04	-6.30	0.0	-26.69	-8.61	-6.08	-0.63	3.97	3.95
		3.95	3.97	-1.58e-04	0.0	162.1	-26.69	-14.91	-6.08	-0.63	12.18	13.14
158	7	7.50	6.44	-9.64e-05	-5.31	0.0	-15.88	-4.77	-3.13	-0.31	2.11	2.28
		2.28	2.11	-8.30e-05	0.0	162.1	-15.88	-10.08	-3.13	-0.31	6.44	7.50
158	8	11.45	10.46	-1.46e-04	-6.00	0.0	-23.44	-7.46	-5.19	-0.53	3.41	3.45
		3.45	3.41	-1.36e-04	0.0	162.1	-23.44	-13.46	-5.19	-0.53	10.46	11.45
158	9	7.50	6.44	-9.64e-05	-5.31	0.0	-15.88	-4.77	-3.13	-0.31	2.11	2.28
		2.28	2.11	-8.30e-05	0.0	162.1	-15.88	-10.08	-3.13	-0.31	6.44	7.50
158	10	10.88	9.88	-1.39e-04	-5.90	0.0	-22.36	-7.07	-4.90	-0.50	3.22	3.28
		3.28	3.22	-1.28e-04	0.0	162.1	-22.36	-12.98	-4.90	-0.50	9.88	10.88
158	11	6.76	8.80	-1.36e-04	-5.90	0.0	-19.36	-4.02	-3.14	-0.84	1.07	1.98
		1.98	1.07	-1.53e-04	0.0	162.1	-19.36	-9.92	-3.14	-0.84	8.80	6.76
158	12	14.85	14.07	-1.64e-04	-5.90	0.0	-21.52	-9.50	-8.55	-0.98	5.22	4.34
		4.34	5.22	-2.30e-04	0.0	162.1	-21.52	-15.40	-8.55	-0.98	14.07	14.85
158	13	6.98	9.21	-1.35e-04	-5.90	0.0	-19.59	-4.21	-3.66	-0.98	1.23	2.05
		2.05	1.23	-1.84e-04	0.0	162.1	-19.59	-10.11	-3.66	-0.98	9.21	6.98
158	14	14.63	13.67	-1.64e-04	-5.90	0.0	-21.29	-9.31	-8.03	-0.85	5.06	4.27
		4.27	5.06	-2.02e-04	0.0	162.1	-21.29	-15.21	-8.03	-0.85	13.67	14.63
158	15	4.31	-0.32	-1.62e-04	-5.90	0.0	-2.37	-1.00	-9.00	-1.47	-0.32	0.73
		0.73	-1.64	-6.70e-04	0.0	162.1	-2.37	-6.90	-9.00	-1.47	-1.64	4.28
158	16	17.33	24.51	-1.58e-04	-5.90	0.0	-38.50	-12.52	-2.69	-0.35	6.61	5.59
		5.59	6.61	4.07e-04	0.0	162.1	-38.50	-18.42	-2.69	-0.35	24.51	17.33
158	17	6.68	4.11	-1.67e-04	-5.90	0.0	-5.31	-2.71	-9.45	-1.61	1.27	1.47
		1.47	1.27	-6.12e-04	0.0	162.1	-5.31	-8.62	-9.45	-1.61	4.11	6.68
158	18	14.93	18.77	-1.42e-04	-5.90	0.0	-35.57	-10.80	-2.24	-0.22	5.02	4.85
		4.85	5.02	3.48e-04	0.0	162.1	-35.57	-16.70	-2.24	-0.22	18.77	14.93
158	19	7.33	6.13	-1.17e-04	-5.90	0.0	-23.12	-4.90	-1.62	-0.07	1.44	2.33
		2.33	1.44	-4.16e-05	0.0	162.1	-23.12	-10.80	-1.62	-0.07	6.13	7.33
158	20	14.44	13.64	-1.61e-04	-5.90	0.0	-21.61	-9.24	-8.18	-0.93	5.01	4.23
		4.23	5.01	-2.19e-04	0.0	162.1	-21.61	-15.15	-8.18	-0.93	13.64	14.44
158	21	7.53	6.49	-1.17e-04	-5.90	0.0	-23.33	-5.07	-2.09	-0.19	1.58	2.40
		2.40	1.58	-6.28e-05	0.0	162.1	-23.33	-10.97	-2.09	-0.19	6.49	7.53
158	22	14.24	13.27	-1.61e-04	-5.90	0.0	-21.40	-9.08	-7.70	-0.81	4.87	4.16
		4.16	4.87	-1.95e-04	0.0	162.1	-21.40	-14.98	-7.70	-0.81	13.27	14.24
158	23	5.11	0.19	-1.32e-04	-5.90	0.0	-7.89	-2.19	-6.87	-0.64	0.19	1.22
		1.22	-3.23	-4.63e-04	0.0	162.1	-7.89	-8.09	-6.87	-0.64	-3.23	5.11
158	24	16.66	23.00	-1.56e-04	-5.90	0.0	-36.83	-11.95	-2.92	-0.37	6.26	5.35
		5.35	6.26	3.59e-04	0.0	162.1	-36.83	-17.86	-2.92	-0.37	23.00	16.66
158	25	7.26	1.92	-1.41e-04	-5.90	0.0	-10.53	-3.73	-7.27	-0.76	1.61	1.88
		1.88	1.61	-4.11e-04	0.0	162.1	-10.53	-9.63	-7.27	-0.76	1.92	7.26
158	26	14.51	17.85	-1.42e-04	-5.90	0.0	-34.20	-10.41	-2.52	-0.25	4.83	4.69
		4.69	4.83	3.07e-04	0.0	162.1	-34.20	-16.32	-2.52	-0.25	17.85	14.51
160	1	2.52	1.27	-1.58e-05	-33.38	0.0	-3.52	14.40	-5.91	-1.05	1.27	-2.56
		-2.56	-0.06	-1.10e-05	0.0	120.5	-3.52	-18.98	-5.91	-1.05	-0.06	-2.46
160	2	3.42	2.21	-2.72e-05	-52.48	0.0	-6.21	24.38	-10.38	-1.79	2.21	-4.53
		-4.53	-0.07	-1.79e-05	0.0	120.5	-6.21	-28.11	-10.38	-1.79	-0.07	-4.43
160	3	1.38	0.41	1.07e-05	-13.92	0.0	-1.06	4.94	-1.79	-0.35	0.41	-0.76
		-0.76	-0.04	-4.47e-06	0.0	120.5	-1.06	-8.98	-1.79	-0.35	-0.04	-0.67
160	4	2.29	1.34	-1.66e-05	-33.02	0.0	-3.75	14.91	-6.27	-1.09	1.34	-2.73
		-2.73	-0.05	-1.11e-05	0.0	120.5	-3.75	-18.11	-6.27	-1.09	-0.05	-2.65
160	5	1.86	0.90	-1.13e-05	-24.11	0.0	-2.49	10.26	-4.18	-0.75	0.90	-1.81
		-1.81	-0.04	-7.92e-06	0.0	120.5	-2.49	-13.85	-4.18	-0.75	-0.04	-1.73
160	6	2.47	1.52	-1.88e-05	-36.85	0.0	-4.28	16.91	-7.16	-1.24	1.52	-3.12
		-3.12	-0.05	-1.25e-05	0.0	120.5	-4.28	-19.94	-7.16	-1.24	-0.05	-3.05
160	7	1.86	0.90	-1.13e-05	-24.11	0.0	-2.49	10.26	-4.18	-0.75	0.90	-1.81
		-1.81	-0.04	-7.92e-06	0.0	120.5	-2.49	-13.85	-4.18	-0.75	-0.04	-1.73
160	8	2.29	1.34	-1.66e-05	-33.02	0.0	-3.75	14.91	-6.27	-1.09	1.34	-2.73
		-2.73	-0.05	-1.11e-05	0.0	120.5	-3.75	-18.11	-6.27	-1.09	-0.05	-2.65
160	9	1.86	0.90	-1.13e-05	-24.11	0.0	-2.49	10.26	-4.18	-0.75	0.90	-1.81
		-1.81	-0.04	-7.92e-06	0.0	120.5	-2.49	-13.85	-4.18	-0.75	-0.04	-1.73
160	10	2.23	1.28	-1.58e-05	-31.75	0.0	-3.57	14.25	-5.97	-1.04	1.28	-2.59
		-2.59	-0.05	-1.07e-05	0.0	120.5	-3.57	-17.50	-5.97	-1.04	-0.05	-2.52
160	11	2.16	-0.11	-4.28e-05	-31.75	0.0	-1.04	14.10	-2.07	-0.48	-0.11	-2.53
		-2.71	-0.15	3.12e-05	0.0	120.5	-1.04	-17.65	-2.07	-0.48	-0.11	-2.71
160	12	1.85	2.49	1.60e-05	-31.75	0.0	-4.02	15.18	-10.82	-1.86	2.49	-2.92
		-2.95	0.08	-8.90e-05	0.0	120.5	-4.02	-16.57	-10.82	-1.86	0.08	-2.95
160	13	2.15	-0.08	-3.99e-05	-31.75	0.0	-0.82	14.11	-2.32	-0.52	-0.08	-2.54
		-2.73	-0.09	1.81e-05	0.0	120.5	-0.82	-17.64	-2.32	-0.52	-0.09	-2.73
160	14	1.86	2.42	1.27e-05	-31.75	0.0	-4.25	15.17	-10.57	-1.82	2.42	-2.91
		-2.93	0.07	-7.59e-05	0.0	120.5	-4.25	-16.58	-10.57	-1.82	0.07	-2.93
160	15	0.94	4.59	-9.76e-05	-31.75	0.0	8.43	15.67	-9.88	-0.52	4.59	-3.09

160	16	-4.68	-2.70	6.27e-05	0.0	120.5	8.43	-16.08	-9.88	-0.52	-2.70	-4.68
		3.11	2.68	7.08e-05	-31.75	0.0	-13.49	13.61	-3.01	-1.82	-2.25	-2.36
		-2.36	-2.25	-1.20e-04	0.0	120.5	-13.49	-18.14	-3.01	-1.82	2.68	-0.99
160	17	0.95	3.79	-8.54e-05	-31.75	0.0	7.10	16.00	-10.36	-1.02	3.79	-3.19
		-4.53	-1.88	-3.44e-05	0.0	120.5	7.10	-15.75	-10.36	-1.02	-1.88	-4.53
160	18	3.09	1.86	5.86e-05	-31.75	0.0	-12.16	13.29	-2.53	-1.33	-1.45	-2.26
		-2.26	-1.45	-2.34e-05	0.0	120.5	-12.16	-18.46	-2.53	-1.33	1.86	-1.14
160	19	2.57	0.19	-2.57e-05	-31.75	0.0	-3.16	13.41	-1.62	-0.31	0.19	-2.30
		-2.30	-0.17	6.07e-05	0.0	120.5	-3.16	-18.34	-1.62	-0.31	-0.17	-2.13
160	20	1.89	2.36	1.44e-05	-31.75	0.0	-3.97	15.08	-10.31	-1.78	2.36	-2.88
		-2.91	0.07	-8.08e-05	0.0	120.5	-3.97	-16.67	-10.31	-1.78	0.07	-2.91
160	21	2.55	0.25	-2.39e-05	-31.75	0.0	-2.96	13.42	-1.84	-0.34	0.25	-2.31
		-2.31	-0.15	4.89e-05	0.0	120.5	-2.96	-18.33	-1.84	-0.34	-0.15	-2.15
160	22	1.90	2.30	1.15e-05	-31.75	0.0	-4.17	15.08	-10.09	-1.74	2.30	-2.88
		-2.89	0.05	-6.91e-05	0.0	120.5	-4.17	-16.67	-10.09	-1.74	0.05	-2.89
160	23	1.44	4.44	-6.17e-05	-31.75	0.0	5.33	14.82	-8.61	-0.34	4.44	-2.81
		-3.89	-2.49	8.89e-05	0.0	120.5	5.33	-16.93	-8.61	-0.34	-2.49	-3.89
160	24	3.02	2.40	6.36e-05	-31.75	0.0	-12.46	13.68	-3.32	-1.74	-1.88	-2.38
		-2.38	-1.88	-1.09e-04	0.0	120.5	-12.46	-18.08	-3.32	-1.74	2.40	-1.14
160	25	1.46	3.72	-5.07e-05	-31.75	0.0	4.14	15.11	-9.05	-0.79	3.72	-2.90
		-3.76	-1.76	-8.74e-06	0.0	120.5	4.14	-16.64	-9.05	-0.79	-1.76	-3.76
160	26	3.00	1.67	5.26e-05	-31.75	0.0	-11.27	13.39	-2.88	-1.30	-1.16	-2.29
		-2.29	-1.16	-2.20e-05	0.0	120.5	-11.27	-18.36	-2.88	-1.30	1.67	-1.28
162	1	2.83	0.35	-2.63e-05	-43.15	0.0	2.80	17.70	-1.91	-0.52	0.28	-2.73
		-3.60	0.28	-1.84e-05	0.0	111.2	2.80	-25.46	-1.91	-0.52	0.35	-3.60
162	2	4.14	0.55	-2.50e-05	-68.69	0.0	4.62	29.55	-3.13	-0.84	0.55	-4.71
		-6.09	0.53	-3.05e-05	0.0	111.2	4.62	-39.14	-3.13	-0.84	0.53	-6.09
162	3	1.37	0.15	-2.32e-05	-17.48	0.0	1.04	6.32	-0.72	-0.20	0.05	-0.88
		-1.23	0.05	-6.74e-06	0.0	111.2	1.04	-11.16	-0.72	-0.20	0.15	-1.23
162	4	2.68	0.34	-1.96e-05	-43.02	0.0	2.86	18.17	-1.94	-0.52	0.32	-2.86
		-3.73	0.32	-1.88e-05	0.0	111.2	2.86	-24.84	-1.94	-0.52	0.34	-3.73
162	5	2.07	0.25	-2.04e-05	-31.10	0.0	2.01	12.64	-1.37	-0.37	0.19	-1.94
		-2.56	0.19	-1.32e-05	0.0	111.2	2.01	-18.46	-1.37	-0.37	0.25	-2.56
162	6	2.95	0.37	-1.94e-05	-48.12	0.0	3.22	20.54	-2.18	-0.59	0.37	-3.26
		-4.23	0.37	-2.12e-05	0.0	111.2	3.22	-27.58	-2.18	-0.59	0.37	-4.23
162	7	2.07	0.25	-2.04e-05	-31.10	0.0	2.01	12.64	-1.37	-0.37	0.19	-1.94
		-2.56	0.19	-1.32e-05	0.0	111.2	2.01	-18.46	-1.37	-0.37	0.25	-2.56
162	8	2.68	0.34	-1.96e-05	-43.02	0.0	2.86	18.17	-1.94	-0.52	0.32	-2.86
		-3.73	0.32	-1.88e-05	0.0	111.2	2.86	-24.84	-1.94	-0.52	0.34	-3.73
162	9	2.07	0.25	-2.04e-05	-31.10	0.0	2.01	12.64	-1.37	-0.37	0.19	-1.94
		-2.56	0.19	-1.32e-05	0.0	111.2	2.01	-18.46	-1.37	-0.37	0.25	-2.56
162	10	2.60	0.33	-1.97e-05	-41.31	0.0	2.74	17.38	-1.86	-0.50	0.30	-2.73
		-3.56	0.30	-1.80e-05	0.0	111.2	2.74	-23.93	-1.86	-0.50	0.33	-3.56
162	11	2.69	3.16	2.38e-04	-41.31	0.0	2.34	17.53	-1.20	-0.75	0.60	-2.73
		-3.38	0.60	4.28e-05	0.0	111.2	2.34	-23.78	-1.20	-0.75	3.16	-3.38
162	12	2.33	0.18	-2.59e-04	-41.31	0.0	2.16	18.03	-1.73	-0.44	0.18	-2.92
		-3.90	-0.36	-1.00e-04	0.0	111.2	2.16	-23.29	-1.73	-0.44	-0.36	-3.90
162	13	2.67	3.06	2.12e-04	-41.31	0.0	2.40	17.55	-1.32	-0.77	0.59	-2.74
		-3.40	0.59	2.85e-05	0.0	111.2	2.40	-23.77	-1.32	-0.77	3.06	-3.40
162	14	2.35	0.19	-2.34e-04	-41.31	0.0	2.09	18.02	-1.62	-0.42	0.19	-2.91
		-3.87	-0.26	-8.57e-05	0.0	111.2	2.09	-23.30	-1.62	-0.42	-0.26	-3.87
162	15	1.94	4.83	-1.61e-05	-41.31	0.0	0.86	19.68	0.39	-1.04	-0.32	-3.33
		-4.27	-0.32	-1.14e-04	0.0	111.2	0.86	-21.63	0.39	-1.04	4.83	-4.27
162	16	3.08	1.10	-2.78e-05	-41.31	0.0	3.63	15.88	-3.33	-0.14	1.10	-2.32
		-3.01	-2.03	5.71e-05	0.0	111.2	3.63	-25.43	-3.33	-0.14	-2.03	-3.01
162	17	1.90	3.90	-9.12e-05	-41.31	0.0	0.84	19.73	-0.38	-0.97	0.06	-3.36
		-4.32	0.06	-1.47e-04	0.0	111.2	0.84	-21.59	-0.38	-0.97	3.90	-4.32
162	18	3.12	0.72	6.95e-05	-41.31	0.0	3.65	15.84	-2.56	-0.21	0.72	-2.29
		-2.96	-1.10	8.99e-05	0.0	111.2	3.65	-25.48	-2.56	-0.21	-1.10	-2.96
162	19	2.83	0.94	2.22e-04	-41.31	0.0	3.26	16.80	-1.97	-0.56	0.41	-2.56
		-3.26	0.41	5.55e-05	0.0	111.2	3.26	-24.51	-1.97	-0.56	0.94	-3.26
162	20	2.36	0.19	-2.33e-04	-41.31	0.0	2.22	17.96	-1.74	-0.44	0.19	-2.90
		-3.86	-0.29	-9.15e-05	0.0	111.2	2.22	-23.35	-1.74	-0.44	-0.29	-3.86
162	21	2.82	0.85	1.99e-04	-41.31	0.0	3.31	16.82	-2.08	-0.58	0.40	-2.57
		-3.28	0.40	4.27e-05	0.0	111.2	3.31	-24.50	-2.08	-0.58	0.85	-3.28
162	22	2.38	0.20	-2.10e-04	-41.31	0.0	2.16	17.95	-1.64	-0.43	0.20	-2.89
		-3.84	-0.20	-7.87e-05	0.0	111.2	2.16	-23.36	-1.64	-0.43	-0.20	-3.84
162	23	2.16	2.44	-1.27e-05	-41.31	0.0	1.94	18.73	-0.54	-0.82	-0.42	-3.10
		-4.06	-0.42	-8.54e-05	0.0	111.2	1.94	-22.58	-0.54	-0.82	2.44	-4.06
162	24	3.03	1.02	-2.70e-05	-41.31	0.0	3.54	16.04	-3.18	-0.18	1.02	-2.36
		-3.06	-1.78	4.94e-05	0.0	111.2	3.54	-25.28	-3.18	-0.18	-1.78	-3.06
162	25	2.13	1.60	-7.26e-05	-41.31	0.0	1.92	18.77	-1.23	-0.76	-0.07	-3.12
		-4.10	-0.07	-1.15e-04	0.0	111.2	1.92	-22.54	-1.23	-0.76	1.60	-4.10
162	26	3.06	0.67	6.18e-05	-41.31	0.0	3.56	16.00	-2.49	-0.24	0.67	-2.34

164	1	-3.02	-0.95	7.87e-05	0.0	111.2	3.56	-25.32	-2.49	-0.24	-0.95	-3.02
		0.18	0.43	-1.13e-04	-3.73	0.0	1.37	1.22	1.15	0.24	-0.18	-0.31
		-0.52	-0.18	-1.80e-05	0.0	127.6	1.37	-2.52	1.15	0.24	0.43	-0.52
164	2	-0.28	0.48	-1.32e-04	-3.73	0.0	2.60	2.27	1.76	0.34	-0.23	-0.72
		-1.05	-0.23	-2.94e-05	0.0	127.6	2.60	-1.46	1.76	0.34	0.48	-1.05
164	3	0.43	0.30	-7.54e-05	-2.87	0.0	0.30	0.28	0.50	0.12	-0.10	0.01
		-0.07	-0.10	-6.85e-06	0.0	127.6	0.30	-2.59	0.50	0.12	0.30	-0.07
164	4	-0.04	0.35	-9.41e-05	-2.87	0.0	1.53	1.34	1.12	0.22	-0.16	-0.40
		-0.60	-0.16	-1.82e-05	0.0	127.6	1.53	-1.53	1.12	0.22	0.35	-0.60
164	5	0.18	0.33	-8.54e-05	-2.87	0.0	0.96	0.85	0.83	0.17	-0.13	-0.21
		-0.35	-0.13	-1.29e-05	0.0	127.6	0.96	-2.02	0.83	0.17	0.33	-0.35
164	6	-0.13	0.36	-9.78e-05	-2.87	0.0	1.77	1.55	1.24	0.24	-0.17	-0.48
		-0.71	-0.17	-2.05e-05	0.0	127.6	1.77	-1.32	1.24	0.24	0.36	-0.71
164	7	0.18	0.33	-8.54e-05	-2.87	0.0	0.96	0.85	0.83	0.17	-0.13	-0.21
		-0.35	-0.13	-1.29e-05	0.0	127.6	0.96	-2.02	0.83	0.17	0.33	-0.35
164	8	-0.04	0.35	-9.41e-05	-2.87	0.0	1.53	1.34	1.12	0.22	-0.16	-0.40
		-0.60	-0.16	-1.82e-05	0.0	127.6	1.53	-1.53	1.12	0.22	0.35	-0.60
164	9	0.18	0.33	-8.54e-05	-2.87	0.0	0.96	0.85	0.83	0.17	-0.13	-0.21
		-0.35	-0.13	-1.29e-05	0.0	127.6	0.96	-2.02	0.83	0.17	0.33	-0.35
164	10	-5.04e-03	0.35	-9.28e-05	-2.87	0.0	1.44	1.27	1.08	0.21	-0.15	-0.37
		-0.57	-0.15	-1.75e-05	0.0	127.6	1.44	-1.60	1.08	0.21	0.35	-0.57
164	11	0.16	2.64	1.72e-04	-2.87	0.0	-0.33	0.24	0.03	0.37	2.10	-0.09
		-0.56	2.10	1.09e-04	0.0	127.6	-0.33	-2.63	0.03	0.37	2.64	-0.56
164	12	-0.29	-0.68	-3.25e-04	-2.87	0.0	2.92	2.44	1.60	0.15	-0.68	-0.72
		-0.77	-0.85	-1.12e-04	0.0	127.6	2.92	-0.43	1.60	0.15	-0.85	-0.77
164	13	0.15	2.50	1.43e-04	-2.87	0.0	-0.14	0.35	0.22	0.38	1.98	-0.12
		-0.56	1.98	9.10e-05	0.0	127.6	-0.14	-2.52	0.22	0.38	2.50	-0.56
164	14	-0.27	-0.56	-2.96e-04	-2.87	0.0	2.74	2.33	1.40	0.14	-0.56	-0.69
		-0.77	-0.71	-9.43e-05	0.0	127.6	2.74	-0.54	1.40	0.14	-0.71	-0.77
164	15	-0.40	2.55	2.47e-05	-2.87	0.0	-1.40	1.90	-0.30	0.43	2.55	-0.67
		-1.11	1.40	9.23e-05	0.0	127.6	-1.40	-0.97	-0.30	0.43	1.40	-1.11
164	16	0.28	0.38	-1.78e-04	-2.87	0.0	4.00	0.77	1.93	0.09	-1.12	-0.14
		-0.22	-1.12	-9.56e-05	0.0	127.6	4.00	-2.10	1.93	0.09	0.38	-0.22
164	17	-0.43	2.22	-7.04e-05	-2.87	0.0	-0.27	2.14	-0.25	0.28	2.22	-0.72
		-1.11	1.09	-1.68e-05	0.0	127.6	-0.27	-0.73	-0.25	0.28	1.09	-1.11
164	18	0.30	0.70	-8.24e-05	-2.87	0.0	2.87	0.54	1.88	0.24	-0.80	-0.09
		-0.22	-0.80	1.13e-06	0.0	127.6	2.87	-2.33	1.88	0.24	0.70	-0.22
164	19	0.25	1.42	1.15e-04	-2.87	0.0	0.12	0.22	0.61	0.27	0.32	-0.06
		-0.39	0.32	6.74e-05	0.0	127.6	0.12	-2.65	0.61	0.27	1.42	-0.39
164	20	-0.26	-0.62	-3.01e-04	-2.87	0.0	2.77	2.32	1.54	0.16	-0.62	-0.68
		-0.75	-0.73	-1.02e-04	0.0	127.6	2.77	-0.55	1.54	0.16	-0.73	-0.75
164	21	0.24	1.30	8.92e-05	-2.87	0.0	0.28	0.32	0.79	0.28	0.21	-0.08
		-0.39	0.21	5.14e-05	0.0	127.6	0.28	-2.55	0.79	0.28	1.30	-0.39
164	22	-0.24	-0.52	-2.75e-04	-2.87	0.0	2.61	2.22	1.37	0.15	-0.52	-0.66
		-0.75	-0.60	-8.64e-05	0.0	127.6	2.61	-0.65	1.37	0.15	-0.60	-0.75
164	23	-0.26	0.72	-1.69e-05	-2.87	0.0	-0.84	1.72	0.32	0.32	0.72	-0.57
		-0.88	0.32	5.25e-05	0.0	127.6	-0.84	-1.15	0.32	0.32	0.32	-0.88
164	24	0.25	0.38	-1.69e-04	-2.87	0.0	3.73	0.82	1.84	0.10	-1.02	-0.17
		-0.26	-1.02	-8.75e-05	0.0	127.6	3.73	-2.05	1.84	0.10	0.38	-0.26
164	25	-0.28	0.43	-1.02e-04	-2.87	0.0	0.17	1.93	0.36	0.19	0.43	-0.62
		-0.88	0.04	-3.28e-05	0.0	127.6	0.17	-0.94	0.36	0.19	0.04	-0.88
164	26	0.27	0.66	-8.35e-05	-2.87	0.0	2.72	0.61	1.80	0.24	-0.73	-0.12
		-0.26	-0.73	-2.44e-06	0.0	127.6	2.72	-2.26	1.80	0.24	0.66	-0.26
166	1	-0.08	0.69	-1.09e-04	-3.73	0.0	6.39	2.15	2.58	0.56	-0.65	-0.63
		-0.72	-0.65	-2.78e-05	0.0	127.6	6.39	-1.58	2.58	0.56	0.69	-0.72
166	2	-0.66	0.79	-1.25e-04	-3.73	0.0	10.15	3.63	5.10	1.02	-1.23	-1.18
		-1.33	-1.23	-4.83e-05	0.0	127.6	10.15	-0.10	5.10	1.02	0.79	-1.33
166	3	0.30	0.48	-7.43e-05	-2.87	0.0	2.61	0.75	0.44	0.15	-0.14	-0.15
		-0.18	-0.14	-8.75e-06	0.0	127.6	2.61	-2.12	0.44	0.15	0.48	-0.18
166	4	-0.28	0.57	-9.02e-05	-2.87	0.0	6.37	2.22	2.96	0.61	-0.72	-0.70
		-0.79	-0.72	-2.92e-05	0.0	127.6	6.37	-0.65	2.96	0.61	0.57	-0.79
166	5	-0.01	0.53	-8.28e-05	-2.87	0.0	4.61	1.54	1.78	0.39	-0.45	-0.44
		-0.50	-0.45	-1.97e-05	0.0	127.6	4.61	-1.34	1.78	0.39	0.53	-0.50
166	6	-0.40	0.59	-9.34e-05	-2.87	0.0	7.12	2.52	3.46	0.70	-0.84	-0.80
		-0.91	-0.84	-3.33e-05	0.0	127.6	7.12	-0.35	3.46	0.70	0.59	-0.91
166	7	-0.01	0.53	-8.28e-05	-2.87	0.0	4.61	1.54	1.78	0.39	-0.45	-0.44
		-0.50	-0.45	-1.97e-05	0.0	127.6	4.61	-1.34	1.78	0.39	0.53	-0.50
166	8	-0.28	0.57	-9.02e-05	-2.87	0.0	6.37	2.22	2.96	0.61	-0.72	-0.70
		-0.79	-0.72	-2.92e-05	0.0	127.6	6.37	-0.65	2.96	0.61	0.57	-0.79
166	9	-0.01	0.53	-8.28e-05	-2.87	0.0	4.61	1.54	1.78	0.39	-0.45	-0.44
		-0.50	-0.45	-1.97e-05	0.0	127.6	4.61	-1.34	1.78	0.39	0.53	-0.50
166	10	-0.25	0.56	-8.91e-05	-2.87	0.0	6.11	2.13	2.79	0.58	-0.68	-0.66
		-0.75	-0.68	-2.79e-05	0.0	127.6	6.11	-0.75	2.79	0.58	0.56	-0.75
166	11	-0.50	3.82	1.76e-04	-2.87	0.0	11.39	2.39	-6.96	-1.16	3.10	-0.84

166	12	-1.10	3.10	-5.29e-05	0.0	127.6	11.39	-0.48	-6.96	-1.16	3.82	-1.10
		-0.20	-1.10	-3.21e-04	-2.87	0.0	2.48	2.37	10.70	1.87	-2.80	-0.67
		-0.67	-2.80	-1.03e-04	0.0	127.6	2.48	-0.50	10.70	1.87	-1.10	-0.65
166	13	-0.47	3.60	1.47e-04	-2.87	0.0	10.77	2.36	-5.76	-0.96	2.75	-0.82
		-1.06	2.75	-5.99e-05	0.0	127.6	10.77	-0.51	-5.76	-0.96	3.60	-1.06
166	14	-0.23	-0.88	-2.92e-04	-2.87	0.0	3.10	2.40	9.50	1.66	-2.45	-0.69
		-0.69	-2.45	-8.98e-05	0.0	127.6	3.10	-0.47	9.50	1.66	-0.88	-0.69
166	15	-1.27	5.02	3.20e-05	-2.87	0.0	7.93	5.21	-2.73	-0.15	5.02	-1.75
		-1.75	4.05	-1.24e-04	0.0	127.6	7.93	2.34	-2.73	-0.15	4.05	-1.72
166	16	0.57	-1.33	-1.75e-04	-2.87	0.0	5.94	-0.45	6.47	0.86	-4.72	0.24
		-0.04	-4.72	2.05e-05	0.0	127.6	5.94	-3.32	6.47	0.86	-1.33	-0.04
166	17	-1.06	3.07	-6.49e-05	-2.87	0.0	7.25	4.58	0.55	0.22	3.07	-1.51
		-1.53	2.89	-1.87e-04	0.0	127.6	7.25	1.71	0.55	0.22	2.89	-1.53
166	18	0.35	-0.18	-7.97e-05	-2.87	0.0	6.62	0.18	3.19	0.48	-2.77	3.15e-03
		-0.22	-2.77	4.70e-05	0.0	127.6	6.62	-2.69	3.19	0.48	-0.18	-0.22
166	19	-0.28	2.05	1.19e-04	-2.87	0.0	9.37	1.91	-4.31	-0.58	1.21	-0.65
		-0.84	1.21	3.97e-05	0.0	127.6	9.37	-0.97	-4.31	-0.58	2.05	-0.84
166	20	-0.21	-0.93	-2.97e-04	-2.87	0.0	2.85	2.35	9.88	1.74	-2.58	-0.67
		-0.67	-2.58	-9.55e-05	0.0	127.6	2.85	-0.53	9.88	1.74	-0.93	-0.66
166	21	-0.25	1.86	9.24e-05	-2.87	0.0	8.81	1.88	-3.23	-0.39	0.90	-0.63
		-0.80	0.90	2.76e-05	0.0	127.6	8.81	-0.99	-3.23	-0.39	1.86	-0.80
166	22	-0.23	-0.73	-2.71e-04	-2.87	0.0	3.41	2.37	8.80	1.55	-2.26	-0.69
		-0.70	-2.26	-8.34e-05	0.0	127.6	3.41	-0.50	8.80	1.55	-0.73	-0.70
166	23	-0.97	2.94	-1.24e-05	-2.87	0.0	6.27	4.43	-0.51	0.33	2.94	-1.46
		-1.46	2.26	-4.53e-05	0.0	127.6	6.27	1.56	-0.51	0.33	2.26	-1.38
166	24	0.49	-1.14	-1.66e-04	-2.87	0.0	5.96	-0.18	6.09	0.83	-4.30	0.15
		-0.11	-4.30	-1.95e-05	0.0	127.6	5.96	-3.05	6.09	0.83	-1.14	-0.11
166	25	-0.78	1.23	-9.76e-05	-2.87	0.0	5.66	3.87	2.43	0.66	1.19	-1.25
		-1.25	1.19	-9.50e-05	0.0	127.6	5.66	1.00	2.43	0.66	1.23	-1.22
166	26	0.29	-0.10	-8.07e-05	-2.87	0.0	6.57	0.38	3.15	0.49	-2.55	-0.07
		-0.28	-2.55	3.93e-05	0.0	127.6	6.57	-2.49	3.15	0.49	-0.10	-0.28
168	1	1.47	-0.11	-1.15e-04	-3.73	0.0	-8.12	-0.65	0.62	0.12	-0.11	0.34
		0.34	-0.35	-6.62e-06	0.0	127.6	-8.12	-4.38	0.62	0.12	-0.35	1.23
168	2	2.00	-0.10	-1.37e-04	-3.73	0.0	-12.45	-0.85	0.67	0.11	-0.10	0.35
		0.35	-0.66	-1.10e-05	0.0	127.6	-12.45	-4.58	0.67	0.11	-0.66	1.94
168	3	0.85	-0.08	-7.57e-05	-2.87	0.0	-3.58	-0.38	0.44	0.09	-0.08	0.25
		0.25	-0.08	-2.39e-06	0.0	127.6	-3.58	-3.25	0.44	0.09	-0.08	0.52
168	4	1.32	-0.08	-9.70e-05	-2.87	0.0	-7.91	-0.58	0.50	0.09	-0.08	0.26
		0.26	-0.39	-6.78e-06	0.0	127.6	-7.91	-3.45	0.50	0.09	-0.39	1.22
168	5	1.09	-0.08	-8.70e-05	-2.87	0.0	-5.89	-0.48	0.47	0.09	-0.08	0.26
		0.26	-0.25	-4.73e-06	0.0	127.6	-5.89	-3.35	0.47	0.09	-0.25	0.89
168	6	1.44	-0.08	-1.01e-04	-2.87	0.0	-8.78	-0.62	0.51	0.08	-0.08	0.26
		0.26	-0.45	-7.66e-06	0.0	127.6	-8.78	-3.49	0.51	0.08	-0.45	1.36
168	7	1.09	-0.08	-8.70e-05	-2.87	0.0	-5.89	-0.48	0.47	0.09	-0.08	0.26
		0.26	-0.25	-4.73e-06	0.0	127.6	-5.89	-3.35	0.47	0.09	-0.25	0.89
168	8	1.32	-0.08	-9.70e-05	-2.87	0.0	-7.91	-0.58	0.50	0.09	-0.08	0.26
		0.26	-0.39	-6.78e-06	0.0	127.6	-7.91	-3.45	0.50	0.09	-0.39	1.22
168	9	1.09	-0.08	-8.70e-05	-2.87	0.0	-5.89	-0.48	0.47	0.09	-0.08	0.26
		0.26	-0.25	-4.73e-06	0.0	127.6	-5.89	-3.35	0.47	0.09	-0.25	0.89
168	10	1.29	-0.08	-9.56e-05	-2.87	0.0	-7.62	-0.56	0.49	0.09	-0.08	0.26
		0.26	-0.37	-6.49e-06	0.0	127.6	-7.62	-3.43	0.49	0.09	-0.37	1.17
168	11	2.44	0.14	1.73e-04	-2.87	0.0	-17.55	-2.65	2.53	1.15	0.14	0.98
		0.98	-2.55	1.82e-04	0.0	127.6	-17.55	-5.52	2.53	1.15	-2.55	2.42
168	12	0.45	-0.01	-3.31e-04	-2.87	0.0	-1.24	1.19	-1.04	-0.39	-0.01	-0.35
		-0.35	-0.09	-1.21e-04	0.0	127.6	-1.24	-1.68	-1.04	-0.39	-0.09	0.24
168	13	2.31	0.15	1.44e-04	-2.87	0.0	-16.43	-2.42	2.41	1.10	0.15	0.90
		0.90	-2.50	1.62e-04	0.0	127.6	-16.43	-5.29	2.41	1.10	-2.50	2.29
168	14	0.56	-0.02	-3.02e-04	-2.87	0.0	-2.36	0.97	-0.92	-0.34	-0.02	-0.28
		-0.28	-0.14	-1.01e-04	0.0	127.6	-2.36	-1.90	-0.92	-0.34	-0.14	0.37
168	15	2.43	-0.65	2.38e-05	-2.87	0.0	-20.39	-1.79	0.65	0.86	-0.65	0.66
		0.66	-4.78	1.02e-04	0.0	127.6	-20.39	-4.66	0.65	0.86	-4.78	2.43
168	16	0.56	2.14	-1.82e-04	-2.87	0.0	1.60	0.33	0.84	-0.10	0.78	-0.04
		-0.04	0.78	-4.17e-05	0.0	127.6	1.60	-2.54	0.84	-0.10	2.14	0.22
168	17	2.01	-0.22	-7.28e-05	-2.87	0.0	-16.61	-1.09	-8.47e-04	0.60	-0.22	0.43
		0.43	-3.93	3.20e-05	0.0	127.6	-16.61	-3.96	-8.47e-04	0.60	-3.93	2.00
168	18	0.91	1.29	-8.54e-05	-2.87	0.0	-2.18	-0.37	1.50	0.16	0.35	0.20
		0.20	0.35	4.10e-05	0.0	127.6	-2.18	-3.24	1.50	0.16	1.29	0.66
168	19	2.07	-0.14	1.16e-04	-2.87	0.0	-13.34	-2.14	1.86	0.51	-0.14	0.81
		0.81	-0.62	9.60e-05	0.0	127.6	-13.34	-5.01	1.86	0.51	-0.62	2.01
168	20	0.53	-0.02	-3.07e-04	-2.87	0.0	-1.90	1.01	-0.88	-0.34	-0.02	-0.29
		-0.29	-0.12	-1.09e-04	0.0	127.6	-1.90	-1.86	-0.88	-0.34	-0.12	0.33
168	21	1.96	-0.14	8.93e-05	-2.87	0.0	-12.34	-1.93	1.75	0.47	-0.14	0.74
		0.74	-0.58	7.82e-05	0.0	127.6	-12.34	-4.80	1.75	0.47	-0.58	1.90
168	22	0.63	-0.02	-2.80e-04	-2.87	0.0	-2.90	0.81	-0.77	-0.29	-0.02	-0.22

		-0.22	-0.17	-9.12e-05	0.0	127.6	-2.90	-2.06	-0.77	-0.29	-0.17	0.45
168	23	2.04	-0.85	-2.67e-05	-2.87	0.0	-15.89	-1.36	0.18	0.25	-0.85	0.53
		0.53	-2.62	3.09e-05	0.0	127.6	-15.89	-4.24	0.18	0.25	-2.62	2.03
168	24	0.63	1.88	-1.73e-04	-2.87	0.0	0.65	0.24	0.81	-0.08	0.69	-7.98e-03
		-7.98e-03	0.69	-3.78e-05	0.0	127.6	0.65	-2.63	0.81	-0.08	1.88	0.32
168	25	1.67	-0.47	-1.05e-04	-2.87	0.0	-12.50	-0.74	-0.41	0.02	-0.47	0.32
		0.32	-1.86	-4.91e-05	0.0	127.6	-12.50	-3.61	-0.41	0.02	-1.86	1.64
168	26	0.95	1.12	-8.65e-05	-2.87	0.0	-2.74	-0.39	1.39	0.15	0.31	0.21
		0.21	0.31	3.61e-05	0.0	127.6	-2.74	-3.26	1.39	0.15	1.12	0.71
172	1	38.36	4.13	-1.96e-03	-67.60	0.0	-17.11	68.89	0.52	-1.05	2.77	-53.67
		-53.67	2.77	-1.69e-05	0.0	262.3	-17.11	1.29	0.52	-1.05	4.13	38.36
172	2	58.20	6.60	-2.99e-03	-101.04	0.0	-28.76	103.68	0.90	-2.08	4.23	-81.22
		-81.22	4.23	-3.18e-05	0.0	262.3	-28.76	2.64	0.90	-2.08	6.60	58.20
172	3	17.30	1.66	-8.82e-04	-31.42	0.0	-5.99	31.59	0.16	-0.18	1.23	-24.33
		-24.33	1.23	6.02e-06	0.0	262.3	-5.99	0.17	0.16	-0.18	1.66	17.30
172	4	37.14	4.13	-1.90e-03	-64.86	0.0	-17.64	66.37	0.55	-1.20	2.69	-51.88
		-51.88	2.69	-1.87e-05	0.0	262.3	-17.64	1.51	0.55	-1.20	4.13	37.14
172	5	27.88	2.98	-1.43e-03	-49.25	0.0	-12.20	50.14	0.37	-0.73	2.01	-39.03
		-39.03	2.01	-1.18e-05	0.0	262.3	-12.20	0.88	0.37	-0.73	2.98	27.88
172	6	41.11	4.62	-2.11e-03	-71.55	0.0	-19.97	73.33	0.62	-1.41	2.98	-57.39
		-57.39	2.98	-2.17e-05	0.0	262.3	-19.97	1.78	0.62	-1.41	4.62	41.11
172	7	27.88	2.98	-1.43e-03	-49.25	0.0	-12.20	50.14	0.37	-0.73	2.01	-39.03
		-39.03	2.01	-1.18e-05	0.0	262.3	-12.20	0.88	0.37	-0.73	2.98	27.88
172	8	37.14	4.13	-1.90e-03	-64.86	0.0	-17.64	66.37	0.55	-1.20	2.69	-51.88
		-51.88	2.69	-1.87e-05	0.0	262.3	-17.64	1.51	0.55	-1.20	4.13	37.14
172	9	27.88	2.98	-1.43e-03	-49.25	0.0	-12.20	50.14	0.37	-0.73	2.01	-39.03
		-39.03	2.01	-1.18e-05	0.0	262.3	-12.20	0.88	0.37	-0.73	2.98	27.88
172	10	35.82	3.96	-1.84e-03	-62.63	0.0	-16.87	64.05	0.52	-1.14	2.59	-50.04
		-50.04	2.59	-1.76e-05	0.0	262.3	-16.87	1.42	0.52	-1.14	3.96	35.82
172	11	37.08	3.77	-1.85e-03	-62.63	0.0	-23.44	65.22	0.13	1.00	3.43	-51.85
		-51.85	3.43	1.58e-04	0.0	262.3	-23.44	2.59	0.13	1.00	3.77	37.08
172	12	36.48	5.05	-1.83e-03	-62.63	0.0	-27.24	65.04	1.39	-3.69	1.39	-51.96
		-51.96	1.39	-2.21e-04	0.0	262.3	-27.24	2.41	1.39	-3.69	5.05	36.48
172	13	37.28	4.21	-1.85e-03	-62.63	0.0	-25.31	65.42	0.58	0.82	2.68	-52.17
		-52.17	2.68	1.16e-04	0.0	262.3	-25.31	2.79	0.58	0.82	4.21	37.28
172	14	36.28	4.60	-1.83e-03	-62.63	0.0	-25.37	64.84	0.94	-3.50	2.14	-51.64
		-51.64	2.14	-1.80e-04	0.0	262.3	-25.37	2.21	0.94	-3.50	4.60	36.28
172	15	42.70	10.41	-1.89e-03	-62.63	0.0	-78.74	70.82	-2.86	-1.87	10.41	-60.92
		-60.92	2.91	-6.50e-05	0.0	262.3	-78.74	8.19	-2.86	-1.87	2.91	42.70
172	16	31.06	5.90	-1.80e-03	-62.63	0.0	28.06	59.43	4.38	-0.82	-5.59	-42.89
		-42.89	-5.59	-9.49e-06	0.0	262.3	28.06	-3.20	4.38	-0.82	5.90	30.86
172	17	43.32	12.34	-1.90e-03	-62.63	0.0	-86.81	71.50	-3.84	-2.61	12.34	-62.08
		-62.08	2.28	-1.42e-04	0.0	262.3	-86.81	8.87	-3.84	-2.61	2.28	43.32
172	18	30.55	6.53	-1.78e-03	-62.63	0.0	36.12	58.76	5.36	-0.08	-7.52	-41.73
		-41.73	-7.52	7.83e-05	0.0	262.3	36.12	-3.87	5.36	-0.08	6.53	30.24
172	19	35.22	3.67	-1.84e-03	-62.63	0.0	-7.57	63.17	-0.26	1.15	3.67	-48.33
		-48.33	2.99	1.92e-04	0.0	262.3	-7.57	0.54	-0.26	1.15	2.99	35.22
172	20	36.41	4.93	-1.83e-03	-62.63	0.0	-26.17	64.94	1.30	-3.42	1.52	-51.76
		-51.76	1.52	-1.99e-04	0.0	262.3	-26.17	2.31	1.30	-3.42	4.93	36.41
172	21	35.40	3.39	-1.84e-03	-62.63	0.0	-9.24	63.35	0.15	0.99	3.00	-48.61
		-48.61	3.00	1.55e-04	0.0	262.3	-9.24	0.72	0.15	0.99	3.39	35.40
172	22	36.23	4.53	-1.83e-03	-62.63	0.0	-24.49	64.76	0.89	-3.26	2.19	-51.48
		-51.48	2.19	-1.61e-04	0.0	262.3	-24.49	2.13	0.89	-3.26	4.53	36.23
172	23	40.27	9.92	-1.87e-03	-62.63	0.0	-57.13	68.19	-2.94	-1.42	9.92	-56.46
		-56.46	2.22	-2.99e-05	0.0	262.3	-57.13	5.56	-2.94	-1.42	2.22	40.27
172	24	31.50	5.70	-1.80e-03	-62.63	0.0	23.40	59.91	3.98	-0.85	-4.74	-43.63
		-43.63	-4.74	-9.82e-06	0.0	262.3	23.40	-2.72	3.98	-0.85	5.70	31.37
172	25	40.82	11.66	-1.88e-03	-62.63	0.0	-64.36	68.80	-3.81	-2.08	11.66	-57.50
		-57.50	1.66	-7.86e-05	0.0	262.3	-64.36	6.17	-3.81	-2.08	1.66	40.82
172	26	31.04	6.27	-1.79e-03	-62.63	0.0	30.63	59.30	4.86	-0.19	-6.47	-42.59
		-42.59	-6.47	6.99e-05	0.0	262.3	30.63	-3.33	4.86	-0.19	6.27	30.81
174	1	40.24	-2.15	-1.96e-03	-67.60	0.0	-17.51	69.71	-1.13	0.78	-2.15	-53.94
		-53.94	-5.11	-5.47e-05	0.0	262.3	-17.51	2.11	-1.13	0.78	-5.11	40.24
174	2	60.86	-3.44	-2.98e-03	-101.04	0.0	-28.24	104.81	-1.76	1.71	-3.44	-81.53
		-81.53	-8.06	-9.11e-05	0.0	262.3	-28.24	3.77	-1.76	1.71	-8.06	60.86
174	3	18.27	-0.86	-8.81e-04	-31.42	0.0	-6.87	32.02	-0.48	0.03	-0.86	-24.51
		-24.51	-2.11	-1.97e-05	0.0	262.3	-6.87	0.60	-0.48	0.03	-2.11	18.27
174	4	38.88	-2.15	-1.90e-03	-64.86	0.0	-17.60	67.12	-1.11	0.96	-2.15	-52.10
		-52.10	-5.07	-5.61e-05	0.0	262.3	-17.60	2.26	-1.11	0.96	-5.07	38.88
174	5	29.26	-1.55	-1.42e-03	-49.25	0.0	-12.59	50.74	-0.81	0.53	-1.55	-39.23
		-39.23	-3.69	-3.91e-05	0.0	262.3	-12.59	1.49	-0.81	0.53	-3.69	29.26
174	6	43.01	-2.41	-2.10e-03	-71.55	0.0	-19.74	74.14	-1.24	1.14	-2.41	-57.62
		-57.62	-5.66	-6.33e-05	0.0	262.3	-19.74	2.59	-1.24	1.14	-5.66	43.01
174	7	29.26	-1.55	-1.42e-03	-49.25	0.0	-12.59	50.74	-0.81	0.53	-1.55	-39.23

174	8	-39.23	-3.69	-3.91e-05	0.0	262.3	-12.59	1.49	-0.81	0.53	-3.69	29.26
		38.88	-2.15	-1.90e-03	-64.86	0.0	-17.60	67.12	-1.11	0.96	-2.15	-52.10
		-52.10	-5.07	-5.61e-05	0.0	262.3	-17.60	2.26	-1.11	0.96	-5.07	38.88
174	9	29.26	-1.55	-1.42e-03	-49.25	0.0	-12.59	50.74	-0.81	0.53	-1.55	-39.23
		-39.23	-3.69	-3.91e-05	0.0	262.3	-12.59	1.49	-0.81	0.53	-3.69	29.26
174	10	37.51	-2.06	-1.83e-03	-62.63	0.0	-16.88	64.78	-1.07	0.90	-2.06	-50.26
		-50.26	-4.87	-5.37e-05	0.0	262.3	-16.88	2.15	-1.07	0.90	-4.87	37.51
174	11	39.11	-0.66	-1.84e-03	-62.63	0.0	-27.28	66.31	-2.23	3.14	-0.66	-52.68
		-52.68	-6.51	1.08e-04	0.0	262.3	-27.28	3.68	-2.23	3.14	-6.51	39.11
174	12	38.93	-2.52	-1.84e-03	-62.63	0.0	-23.29	65.93	-0.73	-1.64	-2.52	-51.87
		-51.87	-4.45	-2.64e-04	0.0	262.3	-23.29	3.30	-0.73	-1.64	-4.45	38.93
174	13	39.22	-1.29	-1.84e-03	-62.63	0.0	-27.70	66.44	-1.87	2.98	-1.29	-52.90
		-52.90	-6.18	6.94e-05	0.0	262.3	-27.70	3.81	-1.87	2.98	-6.18	39.22
174	14	38.81	-1.89	-1.84e-03	-62.63	0.0	-22.86	65.81	-1.10	-1.48	-1.89	-51.65
		-51.65	-4.78	-2.24e-04	0.0	262.3	-22.86	3.18	-1.10	-1.48	-4.78	38.81
174	15	49.46	-7.13	-1.98e-03	-62.63	0.0	-75.47	74.31	1.22	0.14	-10.32	-63.30
		-63.30	-10.32	-3.22e-04	0.0	262.3	-75.47	11.68	1.22	0.14	-7.13	49.46
174	16	29.02	7.14	-1.71e-03	-62.63	0.0	24.91	57.94	-4.19	1.36	7.14	-41.25
		-41.25	-3.84	1.66e-04	0.0	262.3	24.91	-4.69	-4.19	1.36	-3.84	28.58
174	17	49.29	-7.34	-1.95e-03	-62.63	0.0	-77.24	74.37	0.23	-0.58	-7.34	-63.62
		-63.62	-7.95	-4.01e-04	0.0	262.3	-77.24	11.74	0.23	-0.58	-7.95	49.29
174	18	29.20	4.77	-1.73e-03	-62.63	0.0	26.68	57.88	-3.20	2.08	4.77	-40.93
		-40.93	-3.62	2.45e-04	0.0	262.3	26.68	-4.75	-3.20	2.08	-3.62	28.74
174	19	36.24	-1.65	-1.82e-03	-62.63	0.0	-11.14	63.75	-1.37	3.17	-1.65	-48.82
		-48.82	-5.24	1.35e-04	0.0	262.3	-11.14	1.12	-1.37	3.17	-5.24	36.24
174	20	38.78	-2.47	-1.84e-03	-62.63	0.0	-22.62	65.81	-0.77	-1.38	-2.47	-51.70
		-51.70	-4.49	-2.42e-04	0.0	262.3	-22.62	3.18	-0.77	-1.38	-4.49	38.78
174	21	36.34	-2.22	-1.82e-03	-62.63	0.0	-11.52	63.86	-1.04	3.03	-2.22	-49.02
		-49.02	-4.95	9.91e-05	0.0	262.3	-11.52	1.23	-1.04	3.03	-4.95	36.34
174	22	38.68	-1.91	-1.84e-03	-62.63	0.0	-22.24	65.70	-1.10	-1.24	-1.91	-51.50
		-51.50	-4.79	-2.06e-04	0.0	262.3	-22.24	3.07	-1.10	-1.24	-4.79	38.68
174	23	45.52	-5.79	-1.94e-03	-62.63	0.0	-54.34	70.92	1.72	0.48	-10.32	-58.34
		-58.34	-10.32	-2.51e-04	0.0	262.3	-54.34	8.29	1.72	0.48	-5.79	45.52
174	24	29.83	6.19	-1.72e-03	-62.63	0.0	20.58	58.65	-3.86	1.31	6.19	-42.18
		-42.18	-3.94	1.44e-04	0.0	262.3	20.58	-3.98	-3.86	1.31	-3.94	29.83
174	25	45.37	-5.98	-1.92e-03	-62.63	0.0	-55.93	70.97	0.84	-0.16	-5.98	-58.63
		-58.63	-8.19	-3.22e-04	0.0	262.3	-55.93	8.34	0.84	-0.16	-8.19	45.37
174	26	29.99	4.06	-1.74e-03	-62.63	0.0	22.17	58.59	-2.98	1.95	4.06	-41.89
		-41.89	-3.75	2.14e-04	0.0	262.3	22.17	-4.04	-2.98	1.95	-3.75	29.99

Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-487.38	-73.90	-0.01	-1021.90	-244.28	-493.89	-68.26	-34.33
	413.95	73.48	0.01	0.0	450.09	528.01	85.27	35.33

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN/ m2	cm	kN	kN	kN	kN m	kN m	kN m
17	1	198.78	2.14	6.33e-04	-112.36	0.0	23.02	-77.69	0.35	2.04	0.94	70.52
		23.48	0.94	-3.59e-05		339.8	23.02	162.30	0.35	1.60	2.14	198.78
17	2	310.71	3.58	1.11e-03	-163.73	0.0	43.02	-116.32	0.55	1.74	1.71	113.35
		42.92	1.71	-7.44e-05		339.8	43.02	248.34	0.55	1.32	3.58	310.71
17	3	84.02	0.77	-1.94e-04	-54.86	0.0	5.40	-35.99	0.15	1.75	0.25	27.88
		6.09	0.25	-4.21e-06		339.8	5.40	71.90	0.15	1.40	0.77	84.02
17	4	195.96	2.20	6.70e-04	-106.19	0.0	25.40	-74.62	0.35	1.45	1.02	70.72
		25.54	1.02	-4.24e-05		339.8	25.40	157.94	0.35	1.12	2.20	195.96
17	5	143.72	1.53	4.48e-04	-82.21	0.0	16.07	-56.59	0.26	1.59	0.66	50.73
		16.46	0.66	-2.44e-05		339.8	16.07	117.79	0.26	1.25	1.53	143.72
17	6	218.34	2.49	7.65e-04	-116.46	0.0	29.40	-82.34	0.39	1.39	1.17	79.29
		29.43	1.17	-5.01e-05		339.8	29.40	175.14	0.39	1.06	2.49	218.34
17	7	143.72	1.53	4.48e-04	-82.21	0.0	16.07	-56.59	0.26	1.59	0.66	50.73
		16.46	0.66	-2.44e-05		339.8	16.07	117.79	0.26	1.25	1.53	143.72
17	8	195.96	2.20	6.70e-04	-106.19	0.0	25.40	-74.62	0.35	1.45	1.02	70.72
		25.54	1.02	-4.24e-05		339.8	25.40	157.94	0.35	1.12	2.20	195.96
17	9	143.72	1.53	4.48e-04	-82.21	0.0	16.07	-56.59	0.26	1.59	0.66	50.73
		16.46	0.66	-2.44e-05		339.8	16.07	117.79	0.26	1.25	1.53	143.72
17	10	188.49	2.10	6.38e-04	-102.76	0.0	24.07	-72.04	0.33	1.47	0.97	67.86
		24.24	0.97	-3.99e-05		339.8	24.07	152.20	0.33	1.14	2.10	188.49
17	11	185.87	6.82	5.55e-04	-101.87	0.0	111.94	-70.77	0.38	3.11	5.54	58.77
		17.35	5.54	-1.67e-04		339.8	111.94	153.64	0.38	2.72	6.82	185.87
17	12	196.05	1.91	7.34e-04	-107.27	0.0	-21.94	-73.36	0.66	0.97	-0.33	74.56
		29.56	-0.33	-4.65e-05		339.8	-21.94	155.32	0.66	1.81	1.91	196.05
17	13	186.63	7.26	5.59e-04	-101.75	0.0	114.71	-71.03	0.31	3.17	6.22	59.09
		17.50	6.22	-1.79e-04		339.8	114.71	154.21	0.31	2.95	7.26	186.63

17	14	195.30	1.47	7.30e-04	-106.44	0.0	-24.71	-73.09	0.73	0.91	-1.01	74.24
		29.41	-1.01	-3.40e-05		339.8	-24.71	154.75	0.73	1.58	-1.47	195.30
17	15	205.65	11.80	6.97e-04	-117.01	0.0	137.57	-71.35	0.95	4.84	8.59	60.94
		20.31	8.59	-2.67e-04		339.8	137.57	166.57	0.95	7.83	11.80	205.65
17	16	176.28	-3.07	5.92e-04	-105.33	0.0	-47.56	-72.78	0.09	-0.76	-3.38	72.39
		26.03	-3.38	5.37e-05		339.8	-47.56	142.39	0.09	-3.30	-3.07	176.28
17	17	208.82	12.85	7.20e-04	-121.03	0.0	145.76	-71.65	1.21	4.21	8.75	61.31
		20.65	8.75	-3.20e-04		339.8	145.76	168.84	1.21	8.20	12.85	208.82
17	18	173.11	-3.54	5.69e-04	-106.87	0.0	-55.75	-72.48	-0.17	-0.13	-3.54	72.02
		25.62	-4.12	1.06e-04		339.8	-55.75	140.12	-0.17	-3.68	-4.12	173.11
17	19	181.72	2.28	5.52e-04	-103.20	0.0	65.30	-70.87	0.04	1.92	2.14	61.86
		19.47	2.14	-3.39e-05		339.8	65.30	149.40	0.04	0.54	2.28	181.72
17	20	195.27	1.93	7.24e-04	-106.64	0.0	-17.17	-73.22	0.63	1.02	-0.20	73.87
		29.01	-0.20	-4.58e-05		339.8	-17.17	155.00	0.63	1.74	1.93	195.27
17	21	182.40	2.75	5.56e-04	-103.10	0.0	67.79	-71.11	-0.02	1.98	2.75	62.15
		19.61	2.67	-4.51e-05		339.8	67.79	149.92	-0.02	0.75	2.67	182.40
17	22	194.59	1.54	7.20e-04	-105.89	0.0	-19.65	-72.98	0.69	0.97	-0.81	73.58
		28.88	-0.81	-3.46e-05		339.8	-19.65	154.48	0.69	1.53	1.54	194.59
17	23	199.44	6.74	6.80e-04	-110.70	0.0	88.27	-71.38	0.55	3.47	4.87	63.81
		22.32	4.87	-1.24e-04		339.8	88.27	161.00	0.55	5.12	6.74	199.44
17	24	177.54	-2.53	5.97e-04	-105.07	0.0	-40.14	-72.70	0.12	-0.53	-2.93	71.92
		25.85	-2.93	4.40e-05		339.8	-40.14	143.40	0.12	-2.84	-2.53	177.54
17	25	202.29	7.68	7.00e-04	-114.31	0.0	95.62	-71.65	0.79	2.90	5.01	64.13
		22.63	5.01	-1.71e-04		339.8	95.62	163.03	0.79	5.45	7.68	202.29
17	26	174.70	-3.07	5.76e-04	-106.45	0.0	-47.48	-72.43	-0.12	0.04	-3.07	71.59
		25.47	-3.47	9.12e-05		339.8	-47.48	141.37	-0.12	-3.18	-3.47	174.70
21	1	81.58	1.09	-8.83e-04	-93.75	0.0	19.18	-62.94	1.00	6.75	-3.17	-41.03
		-90.31	-3.17	6.12e-06		424.4	19.18	136.61	1.00	5.63	1.09	81.58
21	2	133.51	1.90	1.64e-03	-130.82	0.0	35.65	-69.86	1.40	8.26	-4.06	-98.25
		-145.08	-4.06	-4.31e-05		424.4	35.65	208.68	1.40	7.06	1.90	133.51
21	3	30.80	0.34	-2.11e-04	-49.30	0.0	4.61	-44.16	0.52	4.27	-1.89	3.65
		-38.06	-1.89	2.82e-05		424.4	4.61	60.73	0.52	3.45	0.34	30.80
21	4	82.73	1.15	9.72e-04	-86.37	0.0	21.09	-51.08	0.93	5.77	-2.78	-53.57
		-90.13	-2.78	-1.61e-05		424.4	21.09	132.80	0.93	4.88	1.15	82.73
21	5	58.49	0.77	-6.17e-04	-69.07	0.0	13.40	-47.85	0.74	5.07	-2.36	-26.86
		-65.14	-2.36	6.24e-06		424.4	13.40	99.17	0.74	4.21	0.77	58.49
21	6	93.11	1.31	1.12e-03	-93.79	0.0	24.38	-52.46	1.01	6.07	-2.96	-65.01
		-101.29	-2.96	-2.50e-05		424.4	24.38	147.22	1.01	5.17	1.31	93.11
21	7	58.49	0.77	-6.17e-04	-69.07	0.0	13.40	-47.85	0.74	5.07	-2.36	-26.86
		-65.14	-2.36	6.24e-06		424.4	13.40	99.17	0.74	4.21	0.77	58.49
21	8	82.73	1.15	9.72e-04	-86.37	0.0	21.09	-51.08	0.93	5.77	-2.78	-53.57
		-90.13	-2.78	-1.61e-05		424.4	21.09	132.80	0.93	4.88	1.15	82.73
21	9	58.49	0.77	-6.17e-04	-69.07	0.0	13.40	-47.85	0.74	5.07	-2.36	-26.86
		-65.14	-2.36	6.24e-06		424.4	13.40	99.17	0.74	4.21	0.77	58.49
21	10	79.27	1.10	9.21e-04	-83.90	0.0	19.99	-50.62	0.90	5.67	-2.72	-49.75
		-86.41	-2.72	-1.32e-05		424.4	19.99	128.00	0.90	4.79	1.10	79.27
21	11	75.28	6.07	6.25e-04	-85.85	0.0	118.67	-63.58	5.64	8.52	-17.88	-48.25
		-96.26	-17.88	-1.96e-04		424.4	118.67	133.33	5.64	7.27	6.07	75.28
21	12	78.23	-0.52	1.18e-03	-84.88	0.0	-32.57	-44.61	1.34	7.89	-6.20	-42.66
		-76.16	-6.20	7.59e-05		424.4	-32.57	122.48	1.34	8.23	-0.52	78.23
21	13	74.74	6.72	6.30e-04	-85.65	0.0	122.15	-64.22	5.94	9.08	-18.50	-47.19
		-96.09	-18.50	-2.19e-04		424.4	122.15	133.28	5.94	7.97	6.72	74.74
21	14	78.77	-1.17	1.18e-03	-84.20	0.0	-36.06	-43.97	1.04	7.33	-5.57	-43.72
		-76.36	-5.57	9.88e-05		424.4	-36.06	122.53	1.04	7.53	-1.17	78.77
21	15	65.53	9.31	8.30e-04	-94.38	0.0	142.04	-67.20	8.73	22.65	-27.75	-33.52
		-89.89	-27.75	-1.89e-04		424.4	142.04	128.67	8.73	24.22	9.31	65.53
21	16	87.99	3.67	9.76e-04	-86.98	0.0	-55.94	-41.00	-1.75	-6.25	3.67	-57.39
		-84.09	-3.75	6.87e-05		424.4	-55.94	127.14	-1.75	-8.72	-3.75	87.99
21	17	63.19	9.69	8.56e-04	-97.75	0.0	152.34	-68.73	9.17	28.10	-29.24	-29.85
		-88.76	-29.24	-1.74e-04		424.4	152.34	127.78	9.17	30.49	9.69	63.19
21	18	90.32	5.16	9.49e-04	-89.23	0.0	-66.24	-39.46	-2.19	-11.70	5.16	-61.06
		-85.64	-4.14	5.38e-05		424.4	-66.24	128.03	-2.19	-14.99	-4.14	90.32
21	19	80.19	2.54	6.89e-04	-86.85	0.0	67.10	-56.00	0.51	3.69	0.40	-56.11
		-95.68	0.40	-9.30e-05		424.4	67.10	132.95	0.51	1.70	2.54	80.19
21	20	78.34	-0.35	1.15e-03	-84.55	0.0	-27.12	-45.23	1.29	7.66	-5.84	-43.40
		-77.21	-5.84	6.67e-05		424.4	-27.12	123.05	1.29	7.88	-0.35	78.34
21	21	79.71	3.13	6.93e-04	-86.67	0.0	70.22	-56.57	0.77	4.19	-0.16	-55.16
		-95.42	-0.16	-1.14e-04		424.4	70.22	132.90	0.77	2.33	3.13	79.71
21	22	78.83	-0.93	1.15e-03	-83.94	0.0	-30.25	-44.66	1.02	7.16	-5.28	-44.34
		-77.40	-5.28	8.72e-05		424.4	-30.25	123.09	1.02	7.25	-0.93	78.83
21	23	71.45	5.44	8.73e-04	-89.15	0.0	88.05	-59.24	3.27	16.36	-8.45	-42.91
		-89.56	-8.45	-8.66e-05		424.4	88.05	128.77	3.27	16.90	5.44	71.45
21	24	87.08	3.01	9.70e-04	-86.67	0.0	-48.07	-41.99	-1.47	-5.01	3.01	-56.60
		-84.33	-3.25	6.02e-05		424.4	-48.07	127.23	-1.47	-7.32	-3.25	87.08

21	25	69.36	5.79	8.96e-04	-92.17	0.0	97.28	-60.61	3.67	21.24	-9.78	-39.62
		-88.55	-9.78	-7.31e-05		424.4	97.28	127.98	3.67	22.51	5.79	69.36
21	26	89.17	4.34	9.46e-04	-88.68	0.0	-57.31	-40.62	-1.87	-9.90	4.34	-59.89
		-85.72	-3.60	4.68e-05		424.4	-57.31	128.02	-1.87	-12.94	-3.60	89.17
71	1	61.50	1.76	-4.82e-04	-69.81	0.0	0.98	-54.24	1.10	-4.88	-3.00	-2.47
		-50.67	-3.00	-1.40e-04		432.0	0.98	92.69	1.10	-3.74	1.76	61.50
71	2	92.94	2.66	8.03e-04	-95.96	0.0	2.06	-76.93	1.77	-6.40	-5.00	-4.89
		-72.87	-5.00	-2.04e-04		432.0	2.06	136.86	1.77	-4.74	2.66	92.94
71	3	27.95	0.80	1.73e-04	-37.61	0.0	0.10	-27.76	0.44	-2.82	-1.08	-0.41
		-25.32	-1.08	-6.79e-05		432.0	0.10	44.11	0.44	-2.27	0.80	27.95
71	4	59.40	1.70	4.94e-04	-63.76	0.0	1.17	-50.45	1.11	-4.34	-3.08	-2.83
		-47.52	-3.08	-1.32e-04		432.0	1.17	88.29	1.11	-3.26	1.70	59.40
71	5	44.72	1.28	-3.44e-04	-51.56	0.0	0.67	-39.86	0.79	-3.63	-2.15	-1.70
		-37.16	-2.15	-1.02e-04		432.0	0.67	67.67	0.79	-2.80	1.28	44.72
71	6	65.69	1.88	5.58e-04	-68.99	0.0	1.38	-54.99	1.24	-4.64	-3.48	-3.31
		-51.96	-3.48	-1.45e-04		432.0	1.38	97.12	1.24	-3.46	1.88	65.69
71	7	44.72	1.28	-3.44e-04	-51.56	0.0	0.67	-39.86	0.79	-3.63	-2.15	-1.70
		-37.16	-2.15	-1.02e-04		432.0	0.67	67.67	0.79	-2.80	1.28	44.72
71	8	59.40	1.70	4.94e-04	-63.76	0.0	1.17	-50.45	1.11	-4.34	-3.08	-2.83
		-47.52	-3.08	-1.32e-04		432.0	1.17	88.29	1.11	-3.26	1.70	59.40
71	9	44.72	1.28	-3.44e-04	-51.56	0.0	0.67	-39.86	0.79	-3.63	-2.15	-1.70
		-37.16	-2.15	-1.02e-04		432.0	0.67	67.67	0.79	-2.80	1.28	44.72
71	10	57.30	1.64	-4.73e-04	-62.02	0.0	1.10	-48.94	1.06	-4.24	-2.95	-2.67
		-46.04	-2.95	-1.28e-04		432.0	1.10	85.34	1.06	-3.20	1.64	57.30
71	11	66.64	8.35	-4.59e-04	-61.03	0.0	-2.23	-42.70	3.59	-4.89	-7.17	-17.83
		-51.26	-7.17	-4.26e-04		432.0	-2.23	90.41	3.59	-4.06	8.35	66.64
71	12	45.14	-0.28	4.21e-04	-64.52	0.0	3.09	-59.56	0.78	-1.58	-3.66	15.91
		-44.12	-3.66	-6.77e-05		432.0	3.09	80.57	0.78	-0.03	-0.28	45.14
71	13	64.34	8.83	-4.39e-04	-61.26	0.0	-2.27	-44.29	3.83	-4.44	-7.74	-15.73
		-51.24	-7.74	-4.52e-04		432.0	-2.27	89.59	3.83	-3.53	8.83	64.34
71	14	47.44	-0.76	-4.40e-04	-64.30	0.0	3.13	-57.96	0.54	-2.03	-3.09	13.82
		-43.87	-3.09	-4.11e-05		432.0	3.13	81.39	0.54	-0.56	-0.76	47.44
71	15	47.80	12.68	2.33e-04	-74.86	0.0	-2.36	-64.26	6.34	21.07	-14.71	8.34
		-53.00	-14.71	-1.91e-04		432.0	-2.36	86.84	6.34	25.02	12.68	47.80
71	16	63.98	3.88	6.48e-04	-67.60	0.0	3.21	-38.00	-1.97	-27.55	3.88	-10.26
		-41.81	-4.61	-3.02e-04		432.0	3.21	84.14	-1.97	-29.11	-4.61	63.98
71	17	44.03	14.21	1.96e-04	-80.45	0.0	-1.58	-69.74	6.70	32.36	-14.73	14.25
		-54.21	-14.73	-5.81e-05		432.0	-1.58	86.72	6.70	37.55	14.21	44.03
71	18	67.75	3.90	7.09e-04	-71.72	0.0	2.43	-32.51	-2.32	-38.83	3.90	-16.16
		-41.26	-6.14	-4.37e-04		432.0	2.43	84.26	-2.32	-41.64	-6.14	67.75
71	19	68.20	3.36	-5.19e-04	-59.77	0.0	-0.69	-39.42	1.31	-6.62	-2.30	-19.32
		-49.47	-2.30	-1.81e-04		432.0	-0.69	89.62	1.31	-6.04	3.36	68.20
71	20	46.40	-0.08	-4.26e-04	-64.26	0.0	2.88	-58.46	0.81	-1.86	-3.59	13.99
		-44.32	-3.59	-7.39e-05		432.0	2.88	81.06	0.81	-0.36	-0.08	46.40
71	21	66.14	3.79	5.02e-04	-59.97	0.0	-0.72	-40.85	1.53	-6.21	-2.81	-17.44
		-49.45	-2.81	-2.05e-04		432.0	-0.72	88.89	1.53	-5.56	3.79	66.14
71	22	48.46	-0.51	-4.44e-04	-64.06	0.0	2.92	-57.03	0.59	-2.26	-3.08	12.11
		-44.10	-3.08	-5.01e-05		432.0	2.92	81.80	0.59	-0.83	-0.51	48.46
71	23	51.32	7.24	3.15e-04	-72.16	0.0	-0.80	-58.75	3.77	16.66	-9.06	4.14
		-50.65	-9.06	-2.87e-05		432.0	-0.80	86.42	3.77	20.03	7.24	51.32
71	24	63.28	3.17	-6.30e-04	-66.69	0.0	2.99	-39.13	-1.65	-25.13	3.17	-9.47
		-42.24	-3.97	-2.84e-04		432.0	2.99	84.27	-1.65	-26.42	-3.97	63.28
71	25	47.94	8.61	-2.61e-04	-77.17	0.0	-0.10	-63.66	4.10	26.77	-9.08	9.43
		-51.73	-9.08	1.49e-04		432.0	-0.10	86.31	4.10	31.26	8.61	47.94
71	26	66.66	3.19	6.84e-04	-70.37	0.0	2.29	-34.21	-1.97	-35.25	3.19	-14.77
		-41.75	-5.33	-4.05e-04		432.0	2.29	84.37	-1.97	-37.65	-5.33	66.66
72	1	116.46	1.76	-2.00e-04	-75.95	0.0	1.94	-56.59	-0.20	-2.52	1.76	58.34
		21.29	1.08	-6.23e-05		332.1	1.94	94.45	-0.20	-2.02	1.08	116.46
72	2	176.01	2.76	-3.25e-04	-105.91	0.0	3.99	-83.76	-0.26	-3.64	2.76	87.64
		32.99	1.88	-9.78e-05		332.1	3.99	141.62	-0.26	-2.86	1.88	176.01
72	3	52.94	0.75	-7.73e-05	-39.99	0.0	0.23	-26.82	-0.12	-1.25	0.75	26.85
		9.17	0.34	-2.61e-05		332.1	0.23	43.62	-0.12	-1.04	0.34	52.94
72	4	112.49	1.74	-2.02e-04	-69.94	0.0	2.28	-53.98	-0.18	-2.37	1.74	56.15
		20.87	1.14	-6.16e-05		332.1	2.28	90.79	-0.18	-1.88	1.14	112.49
72	5	84.70	1.27	-1.44e-04	-55.96	0.0	1.32	-41.31	-0.15	-1.85	1.27	42.47
		15.41	0.77	-4.50e-05		332.1	1.32	68.78	-0.15	-1.49	0.77	84.70
72	6	124.40	1.94	-2.27e-04	-75.94	0.0	2.69	-59.41	-0.19	-2.60	1.94	62.00
		23.21	1.30	-6.87e-05		332.1	2.69	100.23	-0.19	-2.05	1.30	124.40
72	7	84.70	1.27	-1.44e-04	-55.96	0.0	1.32	-41.31	-0.15	-1.85	1.27	42.47
		15.41	0.77	-4.50e-05		332.1	1.32	68.78	-0.15	-1.49	0.77	84.70
72	8	112.49	1.74	-2.02e-04	-69.94	0.0	2.28	-53.98	-0.18	-2.37	1.74	56.15
		20.87	1.14	-6.16e-05		332.1	2.28	90.79	-0.18	-1.88	1.14	112.49
72	9	84.70	1.27	-1.44e-04	-55.96	0.0	1.32	-41.31	-0.15	-1.85	1.27	42.47
		15.41	0.77	-4.50e-05		332.1	1.32	68.78	-0.15	-1.49	0.77	84.70

72	10	108.52	1.67	-1.94e-04	-67.95	0.0	2.14	-52.17	-0.18	-2.30	1.67	54.19
		20.09	1.09	-5.92e-05		332.1	2.14	87.65	-0.18	-1.82	1.09	108.52
72	11	113.31	7.94	-1.80e-04	-66.85	0.0	-1.12	-48.41	-0.99	-1.23	7.94	48.88
		19.18	4.64	-1.51e-04		332.1	-1.12	89.81	-0.99	-0.93	4.64	113.31
72	12	101.61	1.59	-1.92e-04	-70.10	0.0	3.06	-56.91	0.30	-3.59	0.58	59.45
		19.70	0.58	-8.94e-05		332.1	3.06	85.01	0.30	-2.58	1.59	101.61
72	13	112.68	8.53	-1.81e-04	-67.06	0.0	-1.22	-48.37	-1.01	-1.43	8.53	48.33
		18.64	5.17	-1.69e-04		332.1	-1.22	89.74	-1.01	-1.04	5.17	112.68
72	14	102.24	1.06	-1.91e-04	-69.88	0.0	3.16	-56.95	0.32	-3.39	-0.02	60.01
		20.24	-0.02	-7.11e-05		332.1	3.16	85.07	0.32	-2.47	1.06	102.24
72	15	101.35	10.04	-1.38e-04	-81.87	0.0	-3.19	-55.34	-0.65	7.70	10.04	53.43
		16.25	7.88	-1.16e-04		332.1	-3.19	86.14	-0.65	12.67	7.88	101.35
72	16	113.57	-1.52	2.36e-04	-78.71	0.0	5.12	-49.99	-0.04	-12.52	-1.52	54.91
		22.91	-1.64	-1.24e-04		332.1	5.12	88.67	-0.04	-16.18	-1.64	113.57
72	17	98.31	10.10	-1.24e-04	-88.14	0.0	-2.82	-57.44	-0.73	11.51	10.10	55.04
		15.47	7.68	-7.86e-05		332.1	-2.82	85.20	-0.73	18.42	7.68	98.31
72	18	116.61	-1.45	2.53e-04	-84.55	0.0	4.76	-47.88	0.04	-16.33	-1.58	53.29
		23.51	-1.58	-1.64e-04		332.1	4.76	89.61	0.04	-21.93	-1.45	116.61
72	19	114.71	2.65	-1.95e-04	-66.22	0.0	1.32	-47.92	-0.61	-1.14	2.65	49.47
		20.19	0.63	-3.21e-05		332.1	1.32	90.02	-0.61	-1.14	0.63	114.71
72	20	102.33	1.54	-1.92e-04	-69.88	0.0	2.97	-56.42	0.25	-3.45	0.69	58.91
		19.79	0.69	-8.63e-05		332.1	2.97	85.28	0.25	-2.50	1.54	102.33
72	21	114.15	3.18	-1.96e-04	-66.21	0.0	1.23	-47.89	-0.63	-1.32	3.18	48.98
		19.71	1.11	-4.86e-05		332.1	1.23	89.96	-0.63	-1.24	1.11	114.15
72	22	102.89	1.07	-1.91e-04	-69.68	0.0	3.06	-56.45	0.27	-3.28	0.16	59.40
		20.27	0.16	-6.98e-05		332.1	3.06	85.34	0.27	-2.41	1.07	102.89
72	23	103.99	4.53	-1.57e-04	-79.48	0.0	-0.53	-54.13	-0.30	6.86	4.53	53.55
		17.57	3.53	-1.31e-05		332.1	-0.53	86.73	-0.30	11.05	3.53	103.99
72	24	113.05	-1.19	2.31e-04	-77.33	0.0	4.82	-50.21	-0.05	-11.46	-1.19	54.83
		22.62	-1.36	-1.18e-04		332.1	4.82	88.57	-0.05	-14.69	-1.36	113.05
72	25	101.26	4.59	-1.44e-04	-85.09	0.0	-0.20	-56.02	-0.37	10.28	4.59	55.00
		17.03	3.36	3.48e-05		332.1	-0.20	85.89	-0.37	16.20	3.36	101.26
72	26	115.77	-1.18	2.46e-04	-82.56	0.0	4.49	-48.33	0.02	-14.88	-1.25	53.39
		23.16	-1.25	-1.53e-04		332.1	4.49	89.41	0.02	-19.85	-1.18	115.77
73	1	153.00	1.15	3.82e-04	-75.13	0.0	2.53	-129.26	-0.24	-1.76	1.15	117.92
		-77.09	-0.46	-4.28e-05		664.5	2.53	138.46	-0.24	-1.27	-0.46	153.00
73	2	231.15	2.01	5.65e-04	-104.79	0.0	5.38	-194.02	-0.41	-2.64	2.01	177.86
		-114.96	-0.73	-6.13e-05		664.5	5.38	208.12	-0.41	-1.83	-0.73	231.15
73	3	69.60	0.35	1.81e-04	-39.53	0.0	0.19	-59.57	-0.08	-0.81	0.35	53.82
		-36.00	-0.18	-2.15e-05		664.5	0.19	63.63	-0.08	-0.64	-0.18	69.60
73	4	147.75	1.21	3.64e-04	-69.20	0.0	3.04	-124.34	-0.25	-1.69	1.21	113.76
		-73.87	-0.45	-4.00e-05		664.5	3.04	133.30	-0.25	-1.19	-0.45	147.75
73	5	111.28	0.81	2.79e-04	-55.35	0.0	1.71	-94.11	-0.17	-1.28	0.81	85.79
		-56.20	-0.33	-3.14e-05		664.5	1.71	100.79	-0.17	-0.93	-0.33	111.28
73	6	163.38	1.39	4.01e-04	-75.13	0.0	3.61	-137.29	-0.29	-1.87	1.39	125.75
		-81.44	-0.51	-4.37e-05		664.5	3.61	147.23	-0.29	-1.30	-0.51	163.38
73	7	111.28	0.81	2.79e-04	-55.35	0.0	1.71	-94.11	-0.17	-1.28	0.81	85.79
		-56.20	-0.33	-3.14e-05		664.5	1.71	100.79	-0.17	-0.93	-0.33	111.28
73	8	147.75	1.21	3.64e-04	-69.20	0.0	3.04	-124.34	-0.25	-1.69	1.21	113.76
		-73.87	-0.45	-4.00e-05		664.5	3.04	133.30	-0.25	-1.19	-0.45	147.75
73	9	111.28	0.81	2.79e-04	-55.35	0.0	1.71	-94.11	-0.17	-1.28	0.81	85.79
		-56.20	-0.33	-3.14e-05		664.5	1.71	100.79	-0.17	-0.93	-0.33	111.28
73	10	142.54	1.16	3.52e-04	-67.22	0.0	2.85	-120.02	-0.24	-1.63	1.16	109.76
		-71.34	-0.44	-3.88e-05		664.5	2.85	128.66	-0.24	-1.15	-0.44	142.54
73	11	150.27	4.50	3.53e-04	-66.02	0.0	-2.32	-115.90	-0.33	-0.66	4.50	99.93
		-71.37	2.33	4.74e-05		664.5	-2.32	131.44	-0.33	-0.24	2.33	150.27
73	12	132.69	1.96	3.59e-04	-69.44	0.0	4.83	-124.36	-0.30	-2.74	1.96	119.93
		-71.99	-0.02	-5.83e-05		664.5	4.83	125.42	-0.30	-1.46	-0.02	132.69
73	13	149.74	5.08	3.53e-04	-66.27	0.0	-2.23	-116.28	-0.39	-0.86	5.08	100.95
		-71.30	2.51	4.74e-05		664.5	-2.23	131.38	-0.39	-0.31	2.51	149.74
73	14	133.23	1.39	3.59e-04	-69.20	0.0	4.74	-123.98	-0.24	-2.55	1.39	118.91
		-71.96	-0.20	-5.83e-05		664.5	4.74	125.47	-0.24	-1.39	-0.20	133.23
73	15	135.90	6.55	3.72e-04	-81.63	0.0	-3.29	-120.47	-0.41	-11.25	6.55	110.10
		-73.35	3.83	-1.28e-04		664.5	-3.29	127.35	-0.41	-1.77	3.83	135.90
73	16	147.07	-0.09	3.38e-04	-78.62	0.0	5.81	-119.79	-0.22	7.85	-0.09	109.75
		-69.91	-1.52	9.55e-05		664.5	5.81	129.51	-0.22	0.07	-1.52	147.07
73	17	132.52	6.08	3.77e-04	-88.03	0.0	-2.57	-121.44	-0.31	-17.25	6.08	112.10
		-73.83	4.03	-2.45e-04		664.5	-2.57	126.25	-0.31	-4.33	4.03	132.52
73	18	150.44	0.38	3.33e-04	-84.54	0.0	5.09	-118.82	-0.32	13.85	0.38	107.76
		-69.43	-1.73	2.35e-04		664.5	5.09	130.61	-0.32	2.63	-1.73	150.44
73	19	151.37	0.43	3.48e-04	-65.55	0.0	1.07	-116.12	-0.19	-0.64	0.43	100.65
		-70.89	-0.81	-2.13e-05		664.5	1.07	131.56	-0.19	-0.89	-0.81	151.37
73	20	133.71	1.88	3.58e-04	-69.21	0.0	4.63	-123.91	-0.29	-2.63	1.88	118.87
		-71.93	-0.07	-5.62e-05		664.5	4.63	125.75	-0.29	-1.42	-0.07	133.71

73	21	150.89	0.95	3.48e-04	-65.45	0.0	1.15	-116.47	-0.24	-0.81	0.95	101.57
		-70.83	-0.65	-2.13e-05		664.5	1.15	131.51	-0.24	-0.94	-0.65	150.89
73	22	134.19	1.36	3.58e-04	-68.99	0.0	4.54	-123.57	-0.24	-2.45	1.36	117.96
		-71.90	-0.22	-5.63e-05		664.5	4.54	125.80	-0.24	-1.37	-0.22	134.19
73	23	138.48	2.27	3.65e-04	-79.22	0.0	0.20	-120.22	-0.26	-10.13	2.27	109.77
		-72.63	0.53	-1.59e-04		664.5	0.20	127.89	-0.26	-2.25	0.53	138.48
73	24	146.60	0.04	3.39e-04	-77.21	0.0	5.50	-119.81	-0.22	6.87	0.04	109.75
		-70.06	-1.41	8.16e-05		664.5	5.50	129.42	-0.22	-0.06	-1.41	146.60
73	25	135.46	1.85	3.69e-04	-84.96	0.0	0.84	-121.09	-0.17	-15.51	1.85	111.56
		-73.05	0.72	-2.84e-04		664.5	0.84	126.90	-0.17	-4.55	0.72	135.46
73	26	149.62	0.46	3.35e-04	-82.52	0.0	4.86	-118.95	-0.31	12.25	0.46	107.97
		-69.63	-1.59	2.06e-04		664.5	4.86	130.41	-0.31	2.24	-1.59	149.62
74	1	68.65	2.98	7.65e-04	-66.00	0.0	-7.46	-70.42	-0.88	-0.29	2.98	9.77
		-91.90	-3.12	-2.98e-05		697.1	-7.46	100.28	-0.88	-0.38	-3.12	68.65
74	2	107.31	5.05	9.59e-04	-80.19	0.0	-11.09	-95.96	-1.62	-0.40	5.05	10.98
		-122.12	-6.24	-4.90e-05		697.1	-11.09	136.72	-1.62	-0.28	-6.24	107.31
74	3	29.02	1.02	4.74e-04	-42.13	0.0	-3.50	-38.46	-0.22	-0.16	1.02	6.77
		-52.72	-0.49	-1.11e-05		697.1	-3.50	54.71	-0.22	-0.35	-0.49	29.02
74	4	67.68	3.09	6.63e-04	-56.18	0.0	-7.13	-63.99	-0.96	-0.26	3.09	7.98
		-82.32	-3.60	-3.03e-05		697.1	-7.13	91.15	-0.96	-0.25	-3.60	67.68
74	5	49.64	2.12	5.72e-04	-49.62	0.0	-5.44	-52.08	-0.61	-0.21	2.12	7.42
		-68.22	-2.15	-2.13e-05		697.1	-5.44	74.15	-0.61	-0.30	-2.15	49.64
74	6	75.41	3.50	7.02e-04	-58.99	0.0	-7.86	-69.10	-1.11	-0.29	3.50	8.23
		-88.36	-4.22	-3.42e-05		697.1	-7.86	98.44	-1.11	-0.23	-4.22	75.41
74	7	49.64	2.12	5.72e-04	-49.62	0.0	-5.44	-52.08	-0.61	-0.21	2.12	7.42
		-68.22	-2.15	-2.13e-05		697.1	-5.44	74.15	-0.61	-0.30	-2.15	49.64
74	8	67.68	3.09	6.63e-04	-56.18	0.0	-7.13	-63.99	-0.96	-0.26	3.09	7.98
		-82.32	-3.60	-3.03e-05		697.1	-7.13	91.15	-0.96	-0.25	-3.60	67.68
74	9	49.64	2.12	5.72e-04	-49.62	0.0	-5.44	-52.08	-0.61	-0.21	2.12	7.42
		-68.22	-2.15	-2.13e-05		697.1	-5.44	74.15	-0.61	-0.30	-2.15	49.64
74	10	65.10	2.95	6.50e-04	-55.24	0.0	-6.89	-62.29	-0.91	-0.26	2.95	7.90
		-80.30	-3.39	-2.90e-05		697.1	-6.89	88.72	-0.91	-0.26	-3.39	65.10
74	11	61.95	6.89	8.29e-04	-66.80	0.0	-30.09	-69.49	-1.12	-1.43	6.89	17.55
		-90.98	-0.90	-3.14e-04		697.1	-30.09	101.14	-1.12	-1.95	-0.90	61.95
74	12	114.19	4.37	4.98e-04	-48.80	0.0	1.63	-54.30	-1.04	1.25	4.37	-15.66
		-76.38	-2.86	1.40e-04		697.1	1.63	94.89	-1.04	1.67	-2.86	114.19
74	13	70.46	7.54	8.25e-04	-66.88	0.0	-31.35	-69.02	-1.30	-1.31	7.54	14.01
		-90.82	-1.52	-3.45e-04		697.1	-31.35	104.14	-1.30	-1.83	-1.52	70.46
74	14	105.69	3.73	5.03e-04	-48.29	0.0	2.89	-54.76	-0.86	1.13	3.73	-12.12
		-75.25	-2.24	1.71e-04		697.1	2.89	91.89	-0.86	1.55	-2.24	105.69
74	15	183.96	13.52	6.97e-04	-62.36	0.0	-38.28	-57.72	-3.06	0.82	13.52	-47.36
		-104.85	-7.79	-2.92e-04		697.1	-38.28	138.24	-3.06	0.46	-7.79	183.96
74	16	49.26	4.02	5.99e-04	-51.06	0.0	9.82	-66.06	0.90	-1.01	4.02	49.26
		-76.08	-2.26	1.18e-04		697.1	9.82	57.78	0.90	-0.73	4.02	-7.81
74	17	215.28	12.70	6.88e-04	-62.05	0.0	-42.20	-54.42	-2.82	1.31	12.70	-66.97
		-114.45	-6.96	-3.77e-04		697.1	-42.20	148.81	-2.82	0.94	-6.96	215.28
74	18	68.86	3.20	6.08e-04	-51.16	0.0	13.74	-69.36	0.66	-1.50	3.20	68.86
		-83.65	-1.44	2.03e-04		697.1	13.74	47.21	0.66	-1.22	3.20	-39.13
74	19	29.02	1.67	8.05e-04	-63.21	0.0	-14.52	-69.46	-0.79	-1.61	1.67	29.02
		-90.44	-3.87	-1.80e-04		697.1	-14.52	83.20	-0.79	-1.99	-3.87	21.10
74	20	109.10	4.22	5.12e-04	-49.04	0.0	0.74	-55.12	-1.02	1.09	4.22	-13.22
		-76.56	-2.92	1.22e-04		697.1	0.74	94.25	-1.02	1.47	-2.92	109.10
74	21	28.72	2.25	8.00e-04	-63.29	0.0	-15.66	-69.04	-0.96	-1.50	2.25	25.85
		-89.65	-4.42	-2.09e-04		697.1	-15.66	85.89	-0.96	-1.89	-4.42	28.72
74	22	101.48	3.65	5.17e-04	-48.92	0.0	1.88	-55.55	-0.86	0.98	3.65	-10.04
		-75.55	-2.36	1.51e-04		697.1	1.88	91.56	-0.86	1.37	-2.36	101.48
74	23	130.46	7.61	6.96e-04	-59.23	0.0	-21.86	-58.91	-2.53	0.42	7.61	-29.16
		-95.06	-10.04	-1.61e-04		697.1	-21.86	116.46	-2.53	0.17	-10.04	130.46
74	24	44.97	3.26	6.04e-04	-51.47	0.0	8.08	-65.67	0.71	-0.93	3.26	44.97
		-75.57	-1.72	1.02e-04		697.1	8.08	60.99	0.71	-0.69	3.26	-0.25
74	25	158.53	6.88	6.87e-04	-58.90	0.0	-25.38	-55.95	-2.32	0.85	6.88	-46.74
		-102.55	-9.30	-2.37e-04		697.1	-25.38	125.93	-2.32	0.60	-9.30	158.53
74	26	62.54	2.51	6.12e-04	-51.57	0.0	11.60	-68.63	0.50	-1.37	2.51	62.54
		-80.95	-0.98	1.79e-04		697.1	11.60	51.51	0.50	-1.12	2.51	-28.33
75	1	12.62	-2.37	1.16e-04	-73.52	0.0	4.33	-12.20	3.42	-3.97	-2.37	-7.01
		-8.74	-6.74	-3.38e-05		127.6	4.33	43.56	3.42	-3.76	-6.74	12.62
75	2	15.82	-2.10	1.33e-04	-89.75	0.0	5.04	-15.80	6.03	-2.46	-2.10	-9.46
		-11.70	-9.79	-2.50e-05		127.6	5.04	56.10	6.03	-2.25	-9.79	15.82
75	3	7.73	-1.99	7.81e-05	-46.57	0.0	2.89	-7.17	1.03	-3.98	-1.99	-3.89
		-4.90	-3.30	-3.13e-05		127.6	2.89	25.79	1.03	-3.83	-3.30	7.73
75	4	10.94	-1.72	9.56e-05	-62.79	0.0	3.60	-10.77	3.63	-2.47	-1.72	-6.34
		-7.86	-6.36	-2.26e-05		127.6	3.60	38.33	3.63	-2.31	-6.36	10.94
75	5	9.44	-1.85	8.75e-05	-55.22	0.0	3.27	-9.09	2.42	-3.18	-1.85	-5.20
		-6.48	-4.93	-2.67e-05		127.6	3.27	32.48	2.42	-3.02	-4.93	9.44

75	6	11.58	-1.67	9.92e-05	-66.04	0.0	3.75	-11.49	4.15	-2.17	-6.97	-6.83
		-8.45	-6.97	-2.09e-05		127.6	3.75	40.84	4.15	-2.01	-1.67	11.58
75	7	9.44	-1.85	8.75e-05	-55.22	0.0	3.27	-9.09	2.42	-3.18	-4.93	-5.20
		-6.48	-4.93	-2.67e-05		127.6	3.27	32.48	2.42	-3.02	-1.85	9.44
75	8	10.94	-1.72	9.56e-05	-62.79	0.0	3.60	-10.77	3.63	-2.47	-6.36	-6.34
		-7.86	-6.36	-2.26e-05		127.6	3.60	38.33	3.63	-2.31	-1.72	10.94
75	9	9.44	-1.85	8.75e-05	-55.22	0.0	3.27	-9.09	2.42	-3.18	-4.93	-5.20
		-6.48	-4.93	-2.67e-05		127.6	3.27	32.48	2.42	-3.02	-1.85	9.44
75	10	10.72	-1.74	9.45e-05	-61.71	0.0	3.56	-10.53	3.46	-2.57	-6.15	-6.17
		-7.67	-6.15	-2.32e-05		127.6	3.56	37.49	3.46	-2.41	-1.74	10.72
75	11	16.73	-11.69	1.68e-04	-75.79	0.0	-6.99	-7.64	12.82	-22.25	-28.06	-12.73
		-13.32	-28.06	-1.19e-04		127.6	-6.99	52.96	12.82	-22.18	-11.69	16.73
75	12	7.04	5.22	3.23e-04	-60.90	0.0	2.73	-11.84	1.88	13.21	2.82	-3.43
		-5.80	2.82	7.84e-05		127.6	2.73	29.90	1.88	13.52	5.22	7.04
75	13	16.09	-10.67	1.40e-04	-73.88	0.0	-6.11	-7.82	12.66	-20.17	-26.83	-12.13
		-12.77	-26.83	-1.19e-04		127.6	-6.11	51.34	12.66	-20.09	-10.67	16.09
75	14	7.69	4.20	2.94e-04	-61.73	0.0	1.85	-11.66	2.05	11.13	1.59	-4.03
		-6.21	1.59	7.79e-05		127.6	1.85	31.53	2.05	11.43	4.20	7.69
75	15	21.64	-7.54	3.29e-05	-82.86	0.0	-37.73	13.06	10.03	-12.12	-20.34	-38.59
		-38.59	-20.34	2.49e-05		127.6	-37.73	81.18	10.03	-11.75	-7.54	21.64
75	16	22.43	1.07	1.87e-04	-48.67	0.0	33.47	-32.54	4.68	3.08	-4.90	22.43
		2.09	-4.90	-6.57e-05		127.6	33.47	1.69	4.68	3.08	1.07	2.13
75	17	18.17	-5.96	6.33e-05	-78.04	0.0	-29.11	5.46	10.64	-5.89	-19.54	-29.11
		-29.11	-19.54	3.27e-05		127.6	-29.11	68.97	10.64	-5.49	-5.96	18.17
75	18	12.94	-0.51	9.10e-05	-51.87	0.0	24.85	-24.93	4.07	-3.15	-5.70	12.94
		2.53	-5.70	-7.35e-05		127.6	24.85	13.89	4.07	-3.17	-0.51	2.53
75	19	14.03	-7.98	1.10e-04	-67.52	0.0	4.30	-9.35	4.87	-16.72	-14.19	-8.63
		-9.63	-14.19	-1.14e-04		127.6	4.30	44.30	4.87	-16.69	-7.98	14.03
75	20	7.42	4.50	2.99e-04	-60.99	0.0	2.81	-11.70	2.05	11.57	1.89	-3.72
		-5.97	1.89	6.79e-05		127.6	2.81	30.69	2.05	11.87	4.50	7.42
75	21	13.45	-7.06	8.43e-05	-65.80	0.0	5.09	-9.51	4.73	-14.86	-13.09	-8.09
		-9.17	-13.09	-1.14e-04		127.6	5.09	42.84	4.73	-14.82	-7.06	13.45
75	22	8.00	3.58	2.73e-04	-61.73	0.0	2.03	-11.54	2.19	9.71	0.78	-4.26
		-6.34	0.78	6.74e-05		127.6	2.03	32.14	2.19	10.00	3.58	8.00
75	23	18.42	-4.26	1.16e-05	-73.86	0.0	-23.26	9.21	2.37	-7.64	-7.27	-31.81
		-31.81	-7.27	1.49e-05		127.6	-23.26	69.59	2.37	-7.34	-4.26	18.42
75	24	19.46	0.78	1.78e-04	-50.02	0.0	30.37	-30.26	4.55	2.49	-5.03	19.46
		2.54	-5.03	-6.13e-05		127.6	30.37	5.40	4.55	2.51	0.78	3.02
75	25	15.32	-2.84	9.76e-05	-71.10	0.0	-15.53	2.39	2.92	-2.06	-6.56	-23.31
		-23.31	-6.56	2.19e-05		127.6	-15.53	58.65	2.92	-1.74	-2.84	15.32
75	26	10.96	-0.64	9.14e-05	-52.67	0.0	22.64	-23.44	4.00	-3.09	-5.75	10.96
		1.98	-5.75	-6.83e-05		127.6	22.64	16.34	4.00	-3.09	-0.64	6.13
76	1	158.90	1.54	-5.85e-04	-71.50	0.0	-0.39	-130.56	0.37	-2.11	-0.47	158.90
		-48.47	-0.47	-3.68e-05		538.8	-0.39	62.33	0.37	-2.21	1.54	15.03
76	2	240.28	1.97	-9.31e-04	-99.47	0.0	1.31	-196.03	0.52	-3.69	-0.83	240.28
		-72.51	-0.83	-6.68e-05		538.8	1.31	90.15	0.52	-3.83	1.97	18.26
76	3	72.15	0.92	2.37e-04	-37.79	0.0	-1.35	-60.14	0.20	-0.65	-0.14	72.15
		-22.49	-0.14	-1.05e-05		538.8	-1.35	30.83	0.20	-0.70	0.92	9.58
76	4	153.53	1.35	-5.83e-04	-65.76	0.0	0.35	-125.61	0.34	-2.23	-0.50	153.53
		-46.53	-0.50	-3.99e-05		538.8	0.35	58.65	0.34	-2.32	1.35	12.81
76	5	115.55	1.15	-4.22e-04	-52.71	0.0	-0.44	-95.06	0.27	-1.49	-0.33	115.55
		-35.31	-0.33	-2.59e-05		538.8	-0.44	45.67	0.27	-1.56	1.15	11.30
76	6	169.81	1.43	-6.52e-04	-71.35	0.0	0.69	-138.71	0.37	-2.55	-0.57	169.81
		-51.34	-0.57	-4.59e-05		538.8	0.69	64.21	0.37	-2.64	1.43	13.45
76	7	115.55	1.15	-4.22e-04	-52.71	0.0	-0.44	-95.06	0.27	-1.49	-0.33	115.55
		-35.31	-0.33	-2.59e-05		538.8	-0.44	45.67	0.27	-1.56	1.15	11.30
76	8	153.53	1.35	-5.83e-04	-65.76	0.0	0.35	-125.61	0.34	-2.23	-0.50	153.53
		-46.53	-0.50	-3.99e-05		538.8	0.35	58.65	0.34	-2.32	1.35	12.81
76	9	115.55	1.15	-4.22e-04	-52.71	0.0	-0.44	-95.06	0.27	-1.49	-0.33	115.55
		-35.31	-0.33	-2.59e-05		538.8	-0.44	45.67	0.27	-1.56	1.15	11.30
76	10	148.11	1.32	-5.60e-04	-63.89	0.0	0.24	-121.25	0.33	-2.12	-0.48	148.11
		-44.93	-0.48	-3.79e-05		538.8	0.24	56.79	0.33	-2.21	1.32	12.59
76	11	141.18	2.15	-5.38e-04	-64.46	0.0	-8.64	-119.23	-1.70	-2.01	2.15	141.18
		-43.09	-7.03	1.06e-04		538.8	-8.64	62.02	-1.70	-1.98	-7.03	23.17
76	12	155.01	1.43	-5.31e-04	-64.63	0.0	5.23	-124.01	0.31	-3.87	-0.24	155.01
		-47.49	-0.24	-4.07e-05		538.8	5.23	54.44	0.31	-3.60	1.43	4.73
76	13	142.22	2.30	-5.37e-04	-64.72	0.0	-8.12	-119.78	-1.90	-2.28	2.30	142.22
		-43.37	-7.94	1.10e-04		538.8	-8.12	61.99	-1.90	-2.20	-7.94	22.62
76	14	153.97	2.33	-5.33e-04	-64.37	0.0	4.71	-123.46	0.51	-3.60	-0.39	153.97
		-47.21	-0.39	-4.47e-05		538.8	4.71	54.47	0.51	-3.38	2.33	5.28
76	15	147.71	6.55	-3.84e-04	-76.21	0.0	-5.76	-123.80	-3.73	-26.10	6.55	147.71
		-47.48	-13.55	-2.20e-04		538.8	-5.76	67.04	-3.73	-22.30	-13.55	22.39
76	16	148.48	7.95	-6.86e-04	-73.42	0.0	2.36	-119.44	2.34	20.22	-4.64	148.48
		-43.10	-4.64	2.84e-04		538.8	2.36	49.42	2.34	16.72	7.95	5.51

76	17	149.13	8.27	-3.64e-04	-79.97	0.0	-4.06	-124.37	-4.37	-34.76	8.27	149.13
		-47.76	-15.30	-3.85e-04		538.8	-4.06	67.37	-4.37	-29.78	-15.30	22.08
76	18	147.06	9.70	-7.06e-04	-77.39	0.0	0.66	-118.87	2.98	28.88	-6.36	147.06
		-42.82	-6.36	4.49e-04		538.8	0.66	49.09	2.98	24.20	9.70	5.82
76	19	141.92	1.22	-5.86e-04	-64.37	0.0	-4.24	-118.77	0.35	-0.56	-0.69	141.92
		-42.63	-0.69	-3.53e-05		538.8	-4.24	58.90	0.35	-0.97	1.22	19.63
76	20	154.30	1.42	-5.34e-04	-64.55	0.0	4.71	-123.73	0.31	-3.69	-0.26	154.30
		-47.23	-0.26	-4.04e-05		538.8	4.71	54.69	0.31	-3.45	1.42	5.55
76	21	142.85	0.41	-5.84e-04	-64.32	0.0	-3.77	-119.27	0.18	-0.80	-0.55	142.85
		-42.88	-0.55	-3.17e-05		538.8	-3.77	58.87	0.18	-1.16	0.41	19.14
76	22	153.37	2.23	-5.36e-04	-64.32	0.0	4.25	-123.23	0.49	-3.45	-0.40	153.37
		-46.98	-0.40	-4.40e-05		538.8	4.25	54.71	0.49	-3.26	2.23	6.04
76	23	147.77	3.26	-4.47e-04	-73.76	0.0	-1.66	-122.87	-1.46	-22.15	3.26	147.77
		-46.57	-4.62	-3.26e-04		538.8	-1.66	63.40	-1.46	-19.18	-4.62	18.93
76	24	148.44	7.26	-6.73e-04	-72.37	0.0	2.14	-119.63	2.13	17.90	-4.21	148.44
		-43.29	-4.21	2.51e-04		538.8	2.14	50.18	2.13	14.76	7.26	6.25
76	25	149.04	4.80	-4.30e-04	-77.14	0.0	-0.13	-123.38	-2.04	-29.91	4.80	149.04
		-46.82	-6.19	-4.74e-04		538.8	-0.13	63.69	-2.04	-25.89	-6.19	18.66
76	26	147.17	8.83	-6.91e-04	-75.93	0.0	0.61	-119.12	2.71	25.66	-5.75	147.17
		-43.04	-5.75	3.98e-04		538.8	0.61	49.89	2.71	21.46	8.83	6.52
77	1	23.27	0.47	3.24e-05	-54.45	0.0	-5.40	-51.50	-0.63	-0.18	0.47	23.27
		-21.03	-1.66	1.30e-05		340.0	-5.40	49.84	-0.63	-0.43	-1.66	20.41
77	2	31.16	-0.80	5.36e-05	-72.26	0.0	-6.37	-74.97	0.01	-0.24	-0.84	31.16
		-33.34	-0.84	6.90e-06		340.0	-6.37	72.43	0.01	-0.65	-0.80	26.78
77	3	13.04	1.16	1.19e-05	-30.93	0.0	-3.56	-25.17	-0.87	-0.10	1.16	13.04
		-8.60	-1.81	1.40e-05		340.0	-3.56	24.44	-0.87	-0.19	-1.81	11.78
77	4	20.93	-0.14	3.31e-05	-48.74	0.0	-4.53	-48.64	-0.24	-0.16	-0.14	20.93
		-20.91	-0.95	7.52e-06		340.0	-4.53	47.03	-0.24	-0.41	-0.95	18.15
77	5	17.25	0.47	2.32e-05	-40.43	0.0	-4.08	-37.69	-0.53	-0.13	0.47	17.25
		-15.16	-1.35	1.05e-05		340.0	-4.08	36.49	-0.53	-0.31	-1.35	15.17
77	6	22.51	-0.40	3.73e-05	-52.30	0.0	-4.72	-53.34	-0.11	-0.17	-0.40	22.51
		-23.37	-0.78	6.32e-06		340.0	-4.72	51.54	-0.11	-0.46	-0.78	19.42
77	7	17.25	0.47	2.32e-05	-40.43	0.0	-4.08	-37.69	-0.53	-0.13	0.47	17.25
		-15.16	-1.35	1.05e-05		340.0	-4.08	36.49	-0.53	-0.31	-1.35	15.17
77	8	20.93	-0.14	3.31e-05	-48.74	0.0	-4.53	-48.64	-0.24	-0.16	-0.14	20.93
		-20.91	-0.95	7.52e-06		340.0	-4.53	47.03	-0.24	-0.41	-0.95	18.15
77	9	17.25	0.47	2.32e-05	-40.43	0.0	-4.08	-37.69	-0.53	-0.13	0.47	17.25
		-15.16	-1.35	1.05e-05		340.0	-4.08	36.49	-0.53	-0.31	-1.35	15.17
77	10	20.41	-0.05	3.17e-05	-47.55	0.0	-4.46	-47.08	-0.28	-0.16	-0.05	20.41
		-20.09	-1.01	7.94e-06		340.0	-4.46	45.52	-0.28	-0.40	-1.01	17.72
77	11	31.49	4.21	2.91e-05	-48.22	0.0	-17.91	-41.52	3.74	0.19	-8.52	10.75
		-19.83	-8.52	-4.90e-05		340.0	-17.91	53.70	3.74	0.06	4.21	31.49
77	12	35.53	3.78	2.98e-05	-48.36	0.0	5.01	-56.12	-2.91	-0.62	3.78	35.53
		-20.65	-6.12	3.36e-05		340.0	5.01	38.76	-2.91	-0.77	-6.12	5.88
77	13	30.21	3.79	2.88e-05	-48.32	0.0	-16.84	-42.63	3.56	0.11	-8.32	12.56
		-19.53	-8.32	-5.63e-05		340.0	-16.84	52.96	3.56	-0.01	3.79	30.21
77	14	33.72	3.59	3.02e-05	-48.28	0.0	3.95	-55.01	-2.73	-0.54	3.59	33.72
		-20.58	-5.71	4.09e-05		340.0	3.95	39.50	-2.73	-0.70	-5.71	7.16
77	15	37.57	4.56	-2.02e-05	-54.61	0.0	-9.91	-58.23	4.62	-0.43	-11.13	37.57
		-14.69	-11.13	-8.46e-05		340.0	-9.91	51.89	4.62	0.08	4.56	26.42
77	16	10.95	6.40	4.33e-05	-44.73	0.0	-2.98	-39.41	-3.79	-5.14e-03	6.40	8.71
		-23.90	-6.48	6.92e-05		340.0	-2.98	40.57	-3.79	-0.80	-6.48	10.95
77	17	43.70	2.97	1.54e-05	-54.92	0.0	-6.62	-61.98	3.84	-1.71	-10.10	43.70
		-14.97	-10.10	-1.21e-04		340.0	-6.62	49.30	3.84	-1.15	2.97	21.97
77	18	15.40	5.37	4.37e-05	-44.56	0.0	-6.27	-35.65	-3.02	1.28	5.37	2.58
		-24.53	-4.89	1.06e-04		340.0	-6.27	43.16	-3.02	0.43	-4.89	15.40
77	19	28.34	3.58	3.34e-05	-47.13	0.0	-12.96	-38.98	2.08	0.26	-3.50	6.85
		-21.43	-3.50	-1.51e-05		340.0	-12.96	51.58	2.08	-0.06	3.58	28.34
77	20	33.96	3.39	3.00e-05	-48.27	0.0	4.03	-55.18	-2.64	-0.57	3.39	33.96
		-20.55	-5.59	3.09e-05		340.0	4.03	39.46	-2.64	-0.74	-5.59	7.11
77	21	27.19	3.21	3.31e-05	-47.22	0.0	-12.01	-39.97	1.92	0.18	-3.32	8.48
		-21.16	-3.32	-2.16e-05		340.0	-12.01	50.91	1.92	-0.12	3.21	27.19
77	22	32.34	3.21	3.03e-05	-48.20	0.0	3.08	-54.19	-2.48	-0.50	3.21	32.34
		-20.48	-5.22	3.75e-05		340.0	3.08	40.13	-2.48	-0.67	-5.22	8.26
77	23	30.89	3.90	2.28e-05	-51.68	0.0	-5.79	-53.95	2.86	-0.29	-5.84	30.89
		-16.67	-5.84	-4.70e-05		340.0	-5.79	49.96	2.86	-0.04	3.90	23.79
77	24	11.65	5.73	4.20e-05	-45.01	0.0	-3.13	-40.20	-3.42	-0.02	5.73	9.92
		-23.50	-5.91	6.29e-05		340.0	-3.13	41.08	-3.42	-0.76	-5.91	11.65
77	25	36.39	2.47	2.09e-05	-52.00	0.0	-2.84	-57.32	2.17	-1.45	-4.92	36.39
		-16.71	-4.92	-7.98e-05		340.0	-2.84	47.63	2.17	-1.14	2.47	19.81
77	26	15.64	4.81	4.25e-05	-44.86	0.0	-6.09	-36.84	-2.73	1.13	4.81	4.42
		-23.99	-4.48	9.56e-05		340.0	-6.09	43.41	-2.73	0.35	-4.48	15.64
78	1	157.69	-0.06	-5.88e-04	-71.72	0.0	-2.22	-64.04	0.13	1.04	-0.77	18.73
		-48.05	-0.77	5.84e-06		541.5	-2.22	130.27	0.13	0.73	-0.06	157.69

78	2	238.43	-0.18	-9.40e-04	-99.59	0.0	-0.82	-92.70	-0.06	2.15	-0.18	23.64
		-72.04	-0.50	2.71e-05		541.5	-0.82	195.72	-0.06	1.71	-0.50	238.43
78	3	71.62	0.22	-2.37e-04	-38.02	0.0	-2.57	-31.62	0.22	0.11	-0.95	11.39
		-22.20	-0.95	-1.04e-05		541.5	-2.57	59.94	0.22	-0.04	0.22	71.62
78	4	152.36	-0.22	-5.88e-04	-65.89	0.0	-1.17	-60.28	0.03	1.22	-0.37	16.30
		-46.19	-0.37	1.21e-05		541.5	-1.17	125.38	0.03	0.94	-0.22	152.36
78	5	114.68	-0.01	-4.24e-04	-52.88	0.0	-1.82	-46.91	0.12	0.70	-0.64	14.01
		-35.00	-0.64	3.53e-06		541.5	-1.82	94.84	0.12	0.48	-0.01	114.68
78	6	168.51	-0.25	-6.58e-04	-71.46	0.0	-0.89	-66.02	-9.72e-03	1.45	-0.25	17.28
		-50.99	-0.30	1.67e-05		541.5	-0.89	138.47	-9.72e-03	1.14	-0.30	168.51
78	7	114.68	-0.01	-4.24e-04	-52.88	0.0	-1.82	-46.91	0.12	0.70	-0.64	14.01
		-35.00	-0.64	3.53e-06		541.5	-1.82	94.84	0.12	0.48	-0.01	114.68
78	8	152.36	-0.22	-5.88e-04	-65.89	0.0	-1.17	-60.28	0.03	1.22	-0.37	16.30
		-46.19	-0.37	1.21e-05		541.5	-1.17	125.38	0.03	0.94	-0.22	152.36
78	9	114.68	-0.01	-4.24e-04	-52.88	0.0	-1.82	-46.91	0.12	0.70	-0.64	14.01
		-35.00	-0.64	3.53e-06		541.5	-1.82	94.84	0.12	0.48	-0.01	114.68
78	10	146.97	-0.19	-5.64e-04	-64.03	0.0	-1.26	-58.37	0.04	1.15	-0.40	15.97
		-44.59	-0.40	1.06e-05		541.5	-1.26	121.02	0.04	0.88	-0.19	146.97
78	11	152.88	0.91	-5.27e-04	-64.43	0.0	-22.07	-56.82	0.67	3.03	-2.74	10.01
		-46.57	-2.74	-7.49e-05		541.5	-22.07	123.25	0.67	3.22	0.91	152.88
78	12	139.58	0.99	-5.55e-04	-64.95	0.0	12.55	-63.98	0.68	0.26	-2.71	27.46
		-42.65	-2.71	-4.02e-05		541.5	12.55	119.13	0.68	-0.02	0.99	139.58
78	13	151.73	1.03	-5.22e-04	-64.37	0.0	-20.54	-57.37	0.62	2.91	-2.31	11.15
		-46.39	-2.31	-8.08e-05		541.5	-20.54	122.82	0.62	3.10	1.03	151.73
78	14	140.73	0.86	-5.60e-04	-64.96	0.0	11.02	-63.42	0.74	0.38	-3.14	26.32
		-42.83	-3.14	-3.43e-05		541.5	11.02	119.57	0.74	0.10	0.86	140.73
78	15	141.73	5.53	-3.93e-04	-78.97	0.0	-10.78	-73.19	1.62	26.33	-3.26	36.47
		-44.73	-3.26	3.63e-04		541.5	-10.78	122.23	1.62	30.67	5.53	141.73
78	16	150.73	-2.18	-6.89e-04	-76.30	0.0	1.26	-47.61	-0.27	-23.04	-2.18	1.00
		-44.74	-3.63	-4.78e-04		541.5	1.26	120.16	-0.27	-27.48	-3.63	150.73
78	17	139.99	4.78	-3.93e-04	-76.04	0.0	-6.21	-74.54	1.45	19.51	-3.09	38.67
		-45.01	-3.09	1.76e-04		541.5	-6.21	122.05	1.45	22.92	4.78	139.99
78	18	152.47	-2.36	-6.89e-04	-72.74	0.0	-3.31	-46.26	-0.10	-16.22	-2.36	-1.20
		-44.73	-2.89	-2.91e-04		541.5	-3.31	120.33	-0.10	-19.72	-2.89	152.47
78	19	153.60	1.66	-5.73e-04	-63.20	0.0	-13.65	-53.35	-0.54	1.95	1.66	5.66
		-46.33	-1.24	5.62e-05		541.5	-13.65	122.71	-0.54	1.68	-1.24	153.60
78	20	140.34	0.86	-5.56e-04	-64.86	0.0	11.12	-63.40	0.62	0.35	-2.47	26.27
		-42.85	-2.47	-3.49e-05		541.5	11.12	119.33	0.62	0.07	0.86	140.34
78	21	152.57	2.05	-5.69e-04	-63.19	0.0	-12.28	-53.84	-0.59	1.84	2.05	6.69
		-46.17	-1.13	5.09e-05		541.5	-12.28	122.32	-0.59	1.57	-1.13	152.57
78	22	141.38	0.75	-5.60e-04	-64.87	0.0	9.75	-62.90	0.67	0.46	-2.86	25.25
		-43.01	-2.86	-2.97e-05		541.5	9.75	119.72	0.67	0.18	0.75	141.38
78	23	143.61	2.90	-4.52e-04	-76.09	0.0	-3.52	-68.02	0.32	22.83	1.19	29.39
		-44.45	1.19	4.49e-04		541.5	-3.52	121.79	0.32	26.29	2.90	143.61
78	24	150.34	-2.00	-6.76e-04	-75.03	0.0	0.99	-48.72	-0.24	-20.53	-2.00	2.55
		-44.73	-3.28	-4.28e-04		541.5	0.99	120.25	-0.24	-24.54	-3.28	150.34
78	25	142.05	2.24	-4.52e-04	-73.46	0.0	0.57	-69.23	0.16	16.72	1.35	31.36
		-44.46	1.35	2.81e-04		541.5	0.57	121.64	0.16	19.34	2.24	142.05
78	26	151.90	-2.16	-6.76e-04	-71.84	0.0	-3.10	-47.52	-0.08	-14.42	-2.16	0.58
		-44.72	-2.61	-2.60e-04		541.5	-3.10	120.40	-0.08	-17.59	-2.61	151.90
79	1	156.85	2.24	3.67e-04	-72.54	0.0	-1.23	-139.19	0.33	-0.06	0.04	156.85
		-75.15	0.04	-1.03e-05		661.7	-1.23	124.20	0.33	-0.33	2.24	109.86
79	2	236.72	3.23	5.37e-04	-100.51	0.0	1.45	-209.18	0.53	-0.01	-0.27	236.72
		-111.46	-0.27	1.56e-05		661.7	1.45	187.37	0.53	-0.27	3.23	168.89
79	3	71.50	1.11	1.78e-04	-38.58	0.0	-2.59	-64.00	0.13	-0.08	0.22	71.50
		-35.46	0.22	-7.74e-06		661.7	-2.59	56.66	0.13	-0.30	1.11	48.18
79	4	151.37	2.11	3.48e-04	-66.56	0.0	0.09	-133.99	0.33	-0.03	-0.09	151.37
		-71.77	-0.09	8.98e-06		661.7	0.09	119.83	0.33	-0.23	2.11	107.21
79	5	114.10	1.64	2.68e-04	-53.50	0.0	-1.16	-101.33	0.24	-0.05	0.05	114.10
		-54.83	0.05	-7.92e-06		661.7	-1.16	90.35	0.24	-0.26	1.64	79.66
79	6	167.35	2.30	3.82e-04	-72.15	0.0	0.62	-147.99	0.37	-0.02	-0.15	167.35
		-79.03	-0.15	1.05e-05		661.7	0.62	132.47	0.37	-0.22	2.30	119.01
79	7	114.10	1.64	2.68e-04	-53.50	0.0	-1.16	-101.33	0.24	-0.05	0.05	114.10
		-54.83	0.05	-7.92e-06		661.7	-1.16	90.35	0.24	-0.26	1.64	79.66
79	8	151.37	2.11	3.48e-04	-66.56	0.0	0.09	-133.99	0.33	-0.03	-0.09	151.37
		-71.77	-0.09	8.98e-06		661.7	0.09	119.83	0.33	-0.23	2.11	107.21
79	9	114.10	1.64	2.68e-04	-53.50	0.0	-1.16	-101.33	0.24	-0.05	0.05	114.10
		-54.83	0.05	-7.92e-06		661.7	-1.16	90.35	0.24	-0.26	1.64	79.66
79	10	146.05	2.04	3.36e-04	-64.69	0.0	-0.09	-129.32	0.32	-0.03	-0.07	146.05
		-69.35	-0.07	8.47e-06		661.7	-0.09	115.62	0.32	-0.24	2.04	103.27
79	11	138.01	10.97	3.57e-04	-67.00	0.0	-25.80	-126.83	1.50	0.63	1.06	138.01
		-71.53	1.06	6.81e-05		661.7	-25.80	117.67	1.50	1.53	10.97	105.29
79	12	155.44	1.31	3.30e-04	-64.97	0.0	17.27	-132.66	-0.41	-1.24	1.31	155.44
		-68.21	-1.42	-7.59e-05		661.7	17.27	111.88	-0.41	-1.85	-1.42	96.81

79	13	138.43	10.10	3.56e-04	-66.78	0.0	-23.78	-126.89	1.34	0.44	1.22	138.43
		-71.40	1.22	5.88e-05		661.7	-23.78	117.43	1.34	1.28	10.10	104.90
79	14	155.02	1.15	3.30e-04	-64.97	0.0	15.25	-132.60	-0.26	-1.05	1.15	155.02
		-68.30	-0.55	-6.67e-05		661.7	15.25	112.11	-0.26	-1.60	-0.55	97.20
79	15	149.59	7.02	3.70e-04	-80.90	0.0	-11.08	-131.92	0.85	1.63	1.42	149.59
		-72.30	1.42	2.34e-04		661.7	-11.08	110.26	0.85	12.47	7.02	89.13
79	16	143.86	2.53	3.17e-04	-82.61	0.0	2.55	-127.57	0.24	-2.24	0.95	143.86
		-67.58	0.95	-2.42e-04		661.7	2.55	119.28	0.24	-12.79	2.53	112.97
79	17	152.68	6.66	3.66e-04	-76.04	0.0	-5.37	-133.07	0.66	-1.00	2.29	152.68
		-71.66	2.29	8.23e-05		661.7	-5.37	109.61	0.66	6.87	6.66	88.75
79	18	140.77	2.89	3.25e-04	-77.61	0.0	-3.16	-126.41	0.42	0.39	0.08	140.77
		-68.34	0.08	-9.02e-05		661.7	-3.16	119.93	0.42	-7.19	2.89	113.35
79	19	137.64	5.14	3.48e-04	-66.15	0.0	-15.65	-126.33	0.98	1.05	-1.31	137.64
		-70.70	-1.31	8.41e-05		661.7	-15.65	118.98	0.98	1.21	5.14	109.07
79	20	154.46	1.17	3.30e-04	-64.87	0.0	15.47	-132.31	-0.34	-1.12	1.17	154.46
		-68.29	-1.06	-6.72e-05		661.7	15.47	112.26	-0.34	-1.68	-1.06	97.48
79	21	138.01	4.36	3.47e-04	-65.96	0.0	-13.84	-126.39	0.84	0.88	-1.17	138.01
		-70.58	-1.17	7.58e-05		661.7	-13.84	118.77	0.84	0.98	4.36	108.72
79	22	154.09	1.03	3.30e-04	-64.87	0.0	13.66	-132.26	-0.20	-0.95	1.03	154.09
		-68.37	-0.28	-5.89e-05		661.7	13.66	112.48	-0.20	-1.46	-0.28	97.83
79	23	148.01	1.60	3.56e-04	-78.61	0.0	-2.46	-130.89	0.39	1.94	-0.99	148.01
		-71.09	-0.99	2.33e-04		661.7	-2.46	112.34	0.39	11.01	1.60	94.59
79	24	144.09	2.48	3.19e-04	-80.75	0.0	2.28	-127.75	0.25	-2.01	0.85	144.09
		-67.76	0.85	-2.16e-04		661.7	2.28	118.90	0.25	-11.49	2.48	111.96
79	25	150.78	1.28	3.53e-04	-73.46	0.0	2.66	-131.93	0.22	-0.41	-0.21	150.78
		-70.52	-0.21	9.68e-05		661.7	2.66	111.76	0.22	5.99	1.28	94.24
79	26	141.31	2.80	3.26e-04	-76.27	0.0	-2.84	-126.71	0.41	0.34	0.07	141.31
		-68.45	0.07	-8.03e-05		661.7	-2.84	119.48	0.41	-6.47	2.80	112.31
80	1	113.09	2.31	-1.41e-04	-73.23	0.0	-3.58	-98.09	-0.10	-0.57	2.31	113.09
		7.01	1.97	6.39e-05		332.2	-3.58	48.92	-0.10	-0.76	1.97	34.93
80	2	174.36	3.30	-2.93e-04	-101.27	0.0	-1.85	-146.62	-0.06	-0.69	3.30	174.36
		15.31	3.09	9.30e-05		332.2	-1.85	70.65	-0.06	-0.88	3.09	55.39
80	3	49.29	1.16	-2.39e-05	-39.13	0.0	-3.82	-45.59	-0.10	-0.37	1.16	49.29
		0.18	0.82	3.13e-05		332.2	-3.82	24.26	-0.10	-0.52	0.82	14.28
80	4	110.56	2.16	-1.67e-04	-67.10	0.0	-2.09	-94.12	-0.06	-0.49	2.16	110.56
		8.59	1.94	6.03e-05		332.2	-2.09	45.99	-0.06	-0.63	1.94	34.74
80	5	81.97	1.69	-9.64e-05	-54.03	0.0	-2.90	-71.47	-0.08	-0.43	1.69	81.97
		4.70	1.42	4.68e-05		332.2	-2.90	35.85	-0.08	-0.58	1.42	25.19
80	6	122.81	2.36	-1.97e-04	-72.71	0.0	-1.74	-103.83	-0.06	-0.51	2.36	122.81
		10.25	2.17	6.62e-05		332.2	-1.74	50.33	-0.06	-0.65	2.17	38.83
80	7	81.97	1.69	-9.64e-05	-54.03	0.0	-2.90	-71.47	-0.08	-0.43	1.69	81.97
		4.70	1.42	4.68e-05		332.2	-2.90	35.85	-0.08	-0.58	1.42	25.19
80	8	110.56	2.16	-1.67e-04	-67.10	0.0	-2.09	-94.12	-0.06	-0.49	2.16	110.56
		8.59	1.94	6.03e-05		332.2	-2.09	45.99	-0.06	-0.63	1.94	34.74
80	9	81.97	1.69	-9.64e-05	-54.03	0.0	-2.90	-71.47	-0.08	-0.43	1.69	81.97
		4.70	1.42	4.68e-05		332.2	-2.90	35.85	-0.08	-0.58	1.42	25.19
80	10	106.47	2.09	-1.57e-04	-65.24	0.0	-2.20	-90.88	-0.07	-0.48	2.09	106.47
		8.03	1.87	5.84e-05		332.2	-2.20	44.54	-0.07	-0.62	1.87	33.38
80	11	93.25	11.18	-4.24e-05	-67.95	0.0	-30.73	-89.86	0.09	0.24	10.87	93.25
		-0.40	10.87	3.59e-04		332.2	-30.73	52.76	0.09	0.83	11.18	32.36
80	12	117.48	-1.23	2.44e-04	-64.70	0.0	16.81	-92.74	-0.02	-1.81	-1.23	117.48
		11.13	-1.28	-7.32e-05		332.2	16.81	36.05	-0.02	-2.37	-1.28	29.27
80	13	94.56	10.02	-5.05e-05	-67.70	0.0	-28.46	-89.80	-0.02	0.07	10.02	94.56
		0.86	9.96	3.29e-04		332.2	-28.46	52.32	-0.02	0.60	9.96	33.28
80	14	116.17	-0.06	2.32e-04	-64.63	0.0	14.54	-92.79	0.10	-1.64	-0.38	116.17
		9.90	-0.38	-4.33e-05		332.2	14.54	36.50	0.10	-2.13	-0.38	28.35
80	15	98.97	13.38	-3.05e-05	-81.00	0.0	-14.26	-93.16	1.20	-22.34	9.39	98.97
		-5.80	9.39	8.06e-05		332.2	-14.26	44.11	1.20	-17.05	13.38	17.87
80	16	111.75	0.25	2.66e-04	-82.61	0.0	0.33	-89.44	-1.12	20.77	0.25	111.75
		17.09	-3.48	2.05e-04		332.2	0.33	44.71	-1.12	15.52	-3.48	43.75
80	17	103.81	11.31	-6.63e-05	-75.16	0.0	-8.02	-93.68	0.81	-16.86	8.64	103.81
		-3.58	8.64	8.84e-05		332.2	-8.02	40.57	0.81	-13.27	11.31	17.22
80	18	106.91	1.00	2.10e-04	-77.65	0.0	-5.90	-88.91	-0.73	15.30	1.00	106.91
		14.47	-1.41	1.97e-04		332.2	-5.90	48.24	-0.73	11.74	-1.41	44.40
80	19	96.61	5.06	-8.59e-05	-66.90	0.0	-19.24	-89.22	-0.11	0.71	5.06	96.61
		4.32	4.69	1.76e-04		332.2	-19.24	52.14	-0.11	0.94	4.69	37.06
80	20	116.34	-0.88	2.34e-04	-64.75	0.0	14.84	-92.55	-0.02	-1.67	-0.88	116.34
		10.81	-0.95	-5.96e-05		332.2	14.84	36.93	-0.02	-2.19	-0.95	29.69
80	21	97.79	4.31	-9.49e-05	-66.69	0.0	-17.21	-89.17	-0.21	0.56	4.31	97.79
		5.45	3.59	1.50e-04		332.2	-17.21	51.74	-0.21	0.73	3.59	37.88
80	22	115.16	0.14	2.24e-04	-64.69	0.0	12.80	-92.60	0.08	-1.52	-0.13	115.16
		9.71	-0.13	-3.27e-05		332.2	12.80	37.33	0.08	-1.98	0.14	28.87
80	23	101.75	6.66	-7.14e-05	-78.70	0.0	-4.47	-92.18	0.88	-19.53	3.74	101.75
		-0.35	3.74	-7.31e-05		332.2	-4.47	44.38	0.88	-15.09	6.66	24.07

80	24	111.20	0.44	2.54e-04	-80.75	0.0	0.07	-89.59	-1.01	18.57	0.44	111.20
		16.16	-2.93	1.90e-04		332.2	0.07	44.69	-1.01	13.84	-2.93	42.68
80	25	106.08	4.81	-1.11e-04	-73.47	0.0	1.11	-92.65	0.52	-14.62	3.06	106.08
		1.63	3.06	-6.61e-05		332.2	1.11	41.22	0.52	-11.70	4.81	23.49
80	26	106.86	1.12	2.05e-04	-76.34	0.0	-5.52	-89.12	-0.66	13.66	1.12	106.86
		13.81	-1.07	1.83e-04		332.2	-5.52	47.86	-0.66	10.45	-1.07	43.26
81	1	40.29	2.09	1.82e-04	-69.76	0.0	-5.49	-91.35	-2.64	-0.88	2.09	40.29
		-64.27	-9.22	7.73e-05		428.5	-5.49	76.98	-2.64	-1.25	-9.22	9.15
81	2	65.31	3.24	3.03e-04	-91.95	0.0	-5.10	-132.03	-3.59	-1.25	3.24	65.31
		-88.42	-12.16	1.22e-04		428.5	-5.10	98.73	-3.59	-1.65	-12.16	3.60
81	3	15.59	0.90	1.78e-04	-44.00	0.0	-4.45	-45.23	-1.44	-0.45	0.90	15.59
		-34.78	-5.28	3.28e-05		428.5	-4.45	45.84	-1.44	-0.72	-5.28	10.46
81	4	40.61	2.05	1.77e-04	-61.76	0.0	-4.07	-85.92	-2.40	-0.82	2.05	40.61
		-58.73	-8.22	7.67e-05		428.5	-4.07	67.58	-2.40	-1.12	-8.22	4.90
81	5	28.94	1.51	1.35e-04	-52.37	0.0	-4.25	-66.93	-1.95	-0.65	1.51	28.94
		-47.45	-6.85	5.59e-05		428.5	-4.25	57.43	-1.95	-0.93	-6.85	7.50
81	6	45.62	2.28	2.04e-04	-66.43	0.0	-4.00	-94.05	-2.59	-0.90	2.28	45.62
		-63.56	-8.81	8.58e-05		428.5	-4.00	71.93	-2.59	-1.20	-8.81	3.79
81	7	28.94	1.51	1.35e-04	-52.37	0.0	-4.25	-66.93	-1.95	-0.65	1.51	28.94
		-47.45	-6.85	5.59e-05		428.5	-4.25	57.43	-1.95	-0.93	-6.85	7.50
81	8	40.61	2.05	1.77e-04	-61.76	0.0	-4.07	-85.92	-2.40	-0.82	2.05	40.61
		-58.73	-8.22	7.67e-05		428.5	-4.07	67.58	-2.40	-1.12	-8.22	4.90
81	9	28.94	1.51	1.35e-04	-52.37	0.0	-4.25	-66.93	-1.95	-0.65	1.51	28.94
		-47.45	-6.85	5.59e-05		428.5	-4.25	57.43	-1.95	-0.93	-6.85	7.50
81	10	38.95	1.97	1.69e-04	-60.21	0.0	-4.10	-83.20	-2.33	-0.80	1.97	38.95
		-57.12	-8.03	7.37e-05		428.5	-4.10	66.13	-2.33	-1.09	-8.03	5.27
81	11	59.19	11.25	3.05e-04	-75.81	0.0	-32.56	-81.48	-11.56	-0.52	11.25	20.39
		-59.15	-38.29	5.23e-04		428.5	-32.56	105.13	-11.56	0.26	-38.29	59.19
81	12	53.62	7.17	2.77e-04	-57.51	0.0	14.03	-87.25	1.92	-2.60	-1.05	53.62
		-67.82	-1.05	-9.48e-05		428.5	14.03	37.17	1.92	-3.70	7.17	-42.95
81	13	53.25	10.04	2.58e-04	-73.69	0.0	-30.36	-82.06	-10.80	-0.69	10.04	23.29
		-58.16	-36.25	4.63e-04		428.5	-30.36	100.70	-10.80	-0.02	-36.25	53.25
81	14	50.72	5.13	2.48e-04	-57.74	0.0	11.84	-86.67	1.16	-2.44	0.15	50.72
		-66.56	0.15	-3.90e-05		428.5	11.84	41.59	1.16	-3.43	5.13	-37.01
81	15	26.94	19.17	5.38e-04	-80.13	0.0	-16.39	-91.48	-11.49	-34.69	19.17	26.94
		-75.52	-30.05	1.69e-04		428.5	-16.39	97.41	-11.49	-31.77	-30.05	20.12
81	16	47.07	-1.07	4.79e-04	-69.66	0.0	-2.14	-77.25	1.84	31.56	-8.97	47.07
		-44.28	-8.97	2.66e-04		428.5	-2.14	44.88	1.84	28.32	-1.07	-3.88
81	17	32.34	15.36	4.09e-04	-73.88	0.0	-10.59	-91.22	-9.58	-25.02	15.36	32.34
		-75.38	-25.69	1.90e-04		428.5	-10.59	83.75	-9.58	-23.26	-25.69	1.95
81	18	41.67	-5.17	3.49e-04	-67.59	0.0	-7.93	-77.51	-0.06	21.89	-5.17	41.67
		-43.92	-5.43	2.40e-04		428.5	-7.93	58.55	-0.06	19.82	-5.43	14.29
81	19	48.50	4.69	1.59e-04	-67.53	0.0	-20.35	-79.58	-6.15	0.82	4.69	25.79
		-53.40	-21.65	2.24e-04		428.5	-20.35	92.09	-6.15	1.25	-21.65	48.50
81	20	52.10	5.59	2.62e-04	-57.79	0.0	12.15	-86.83	1.48	-2.42	-0.74	52.10
		-66.13	-0.74	-7.75e-05		428.5	12.15	40.17	1.48	-3.43	5.59	-37.95
81	21	43.17	3.61	1.47e-04	-65.63	0.0	-18.38	-80.10	-5.47	0.68	3.61	28.39
		-52.93	-19.83	1.74e-04		428.5	-18.38	88.13	-5.47	1.00	-19.83	43.17
81	22	49.50	3.77	2.38e-04	-57.99	0.0	10.19	-86.31	0.80	-2.27	0.34	49.50
		-65.28	0.34	-2.75e-05		428.5	10.19	44.13	0.80	-3.18	3.77	-32.62
81	23	31.66	11.79	3.09e-04	-72.21	0.0	-5.86	-88.54	-6.08	-29.80	11.79	31.66
		-68.63	-14.27	-1.00e-04		428.5	-5.86	85.18	-6.08	-27.45	-14.27	13.48
81	24	46.23	-1.79	4.35e-04	-68.68	0.0	-2.34	-77.87	1.41	28.21	-7.84	46.23
		-45.61	-7.84	2.46e-04		428.5	-2.34	47.08	1.41	25.27	-1.79	-2.93
81	25	36.50	8.38	2.29e-04	-66.62	0.0	-0.66	-88.31	-4.37	-21.14	8.38	36.50
		-68.94	-10.35	-7.73e-05		428.5	-0.66	72.93	-4.37	-19.83	-10.35	-2.81
81	26	41.39	-4.43	3.20e-04	-66.82	0.0	-7.54	-78.10	-0.30	19.54	-4.43	41.39
		-45.29	-5.70	2.23e-04		428.5	-7.54	59.33	-0.30	17.65	-5.70	13.36
84	1	341.01	2.16	6.73e-04	-126.15	0.0	26.42	-217.64	-0.36	1.33	2.16	194.24
		-130.52	-0.21	2.65e-05		664.5	26.42	278.68	-0.36	0.86	-0.21	341.01
84	2	539.04	3.70	1.06e-03	-188.35	0.0	49.12	-336.84	-0.59	1.64	3.70	302.22
		-200.95	-0.25	4.65e-05		664.5	49.12	437.07	-0.59	1.24	-0.25	539.04
84	3	140.45	0.71	2.86e-04	-58.77	0.0	6.35	-94.06	-0.13	0.83	0.71	82.96
		-57.05	-0.14	8.11e-06		664.5	6.35	116.90	-0.13	0.43	-0.14	140.45
84	4	338.48	2.25	6.64e-04	-120.96	0.0	29.05	-213.26	-0.37	1.14	2.25	190.94
		-127.49	-0.18	2.81e-05		664.5	29.05	275.29	-0.37	0.81	-0.18	338.48
84	5	246.06	1.53	4.87e-04	-91.94	0.0	18.46	-157.63	-0.25	1.00	1.53	140.55
		-94.62	-0.16	1.88e-05		664.5	18.46	201.37	-0.25	0.63	-0.16	246.06
84	6	378.09	2.56	7.42e-04	-133.40	0.0	33.59	-237.10	-0.41	1.20	2.56	212.54
		-141.58	-0.18	3.21e-05		664.5	33.59	306.97	-0.41	0.88	-0.18	378.09
84	7	246.06	1.53	4.87e-04	-91.94	0.0	18.46	-157.63	-0.25	1.00	1.53	140.55
		-94.62	-0.16	1.88e-05		664.5	18.46	201.37	-0.25	0.63	-0.16	246.06
84	8	338.48	2.25	6.64e-04	-120.96	0.0	29.05	-213.26	-0.37	1.14	2.25	190.94
		-127.49	-0.18	2.81e-05		664.5	29.05	275.29	-0.37	0.81	-0.18	338.48

84	9	246.06	1.53	4.87e-04	-91.94	0.0	18.46	-157.63	-0.25	1.00	1.53	140.55
		-94.62	-0.16	1.88e-05		664.5	18.46	201.37	-0.25	0.63	-0.16	246.06
84	10	325.28	2.15	6.38e-04	-116.82	0.0	27.54	-205.32	-0.35	1.12	2.15	183.75
		-122.79	-0.17	2.67e-05		664.5	27.54	264.73	-0.35	0.78	-0.17	325.28
84	11	330.13	6.80	6.60e-04	-116.65	0.0	102.76	-201.06	-0.53	1.38	6.80	173.97
		-123.61	3.31	8.05e-05		664.5	102.76	266.15	-0.53	1.14	3.31	330.13
84	12	321.30	1.84	6.18e-04	-119.22	0.0	-10.03	-214.45	-0.32	-2.12	1.84	200.42
		-123.30	-0.28	-6.62e-05		664.5	-10.03	265.36	-0.32	-0.65	-0.28	321.30
84	13	329.73	7.20	6.57e-04	-116.97	0.0	104.80	-202.04	-0.57	0.93	7.20	175.54
		-123.78	3.43	7.43e-05		664.5	104.80	266.23	-0.57	0.95	3.43	329.73
84	14	321.71	1.43	6.19e-04	-118.83	0.0	-12.07	-213.47	-0.28	-1.67	1.43	198.85
		-123.13	-0.41	-6.00e-05		664.5	-12.07	265.27	-0.28	-0.47	-0.41	321.71
84	15	327.70	12.60	6.20e-04	-128.23	0.0	133.50	-220.64	-1.37	-3.31	12.60	206.03
		-126.46	3.47	8.33e-05		664.5	133.50	270.64	-1.37	2.96	3.47	327.70
84	16	323.73	-0.45	6.65e-04	-122.16	0.0	-40.76	-194.87	0.53	2.56	-3.96	168.36
		-120.45	-3.96	-6.89e-05		664.5	-40.76	260.86	0.53	-2.47	-0.45	323.73
84	17	327.27	14.66	6.14e-04	-130.66	0.0	139.48	-224.21	-1.66	-5.69	14.66	211.85
		-127.21	3.61	-9.93e-05		664.5	139.48	271.49	-1.66	2.19	3.61	327.27
84	18	324.16	-0.59	6.76e-04	-123.61	0.0	-46.75	-191.30	0.82	4.95	-6.02	162.54
		-119.90	-6.02	3.26e-05		664.5	-46.75	260.01	0.82	-1.71	-0.59	324.16
84	19	328.84	2.43	6.67e-04	-117.84	0.0	61.21	-197.12	-0.38	4.03	2.43	168.80
		-122.34	-0.08	1.10e-04		664.5	61.21	264.17	-0.38	2.07	-0.08	328.84
84	20	321.71	1.87	6.20e-04	-118.92	0.0	-6.13	-213.51	-0.32	-1.78	1.87	198.69
		-123.25	-0.27	-5.66e-05		664.5	-6.13	265.29	-0.32	-0.50	-0.27	321.71
84	21	328.47	2.79	6.64e-04	-117.64	0.0	63.04	-198.00	-0.41	3.62	2.79	170.21
		-122.49	0.03	1.04e-04		664.5	63.04	264.24	-0.41	1.91	0.03	328.47
84	22	322.08	1.51	6.21e-04	-118.57	0.0	-7.97	-212.63	-0.28	-1.38	1.51	197.29
		-123.10	-0.38	-5.10e-05		664.5	-7.97	265.22	-0.28	-0.34	-0.38	322.08
84	23	326.66	7.63	6.25e-04	-124.17	0.0	88.76	-214.68	-1.14	-0.17	7.63	197.53
		-124.89	0.07	1.13e-04		664.5	88.76	268.20	-1.14	3.70	0.07	326.66
84	24	323.89	-0.42	6.62e-04	-121.60	0.0	-33.68	-195.95	0.44	2.41	-3.33	169.96
		-120.69	-3.33	-5.90e-05		664.5	-33.68	261.26	0.44	-2.14	-0.42	323.89
84	25	326.28	9.47	6.20e-04	-126.34	0.0	94.13	-217.88	-1.40	-2.31	9.47	202.75
		-125.38	0.20	7.24e-05		664.5	94.13	268.96	-1.40	3.01	0.20	326.28
84	26	324.28	-0.54	6.72e-04	-122.91	0.0	-39.05	-192.75	0.70	4.55	-5.17	164.74
		-120.20	-5.17	2.90e-05		664.5	-39.05	260.50	0.70	-1.45	-0.54	324.28
85	1	347.68	-0.20	1.83e-03	-126.09	0.0	23.55	-263.64	-0.13	0.09	-0.20	347.68
		-94.44	-0.91	1.18e-05		538.8	23.55	80.41	-0.13	-0.13	-0.91	-24.28
85	2	549.21	-0.26	2.97e-03	-188.22	0.0	45.23	-413.82	-0.44	0.24	-0.26	549.21
		-148.58	-2.63	2.85e-05		538.8	45.23	119.79	-0.44	0.16	-2.63	-46.20
85	3	143.43	0.36	7.12e-04	-58.76	0.0	4.77	-110.39	0.09	-0.03	-0.12	143.43
		-39.33	-0.12	-1.28e-06		538.8	4.77	37.63	0.09	-0.28	0.36	-5.19
85	4	344.96	-0.18	-1.85e-03	-120.89	0.0	26.45	-260.56	-0.22	0.13	-0.18	344.96
		-93.47	-1.36	1.55e-05		538.8	26.45	77.00	-0.22	8.08e-03	-1.36	-27.11
85	5	250.91	-0.15	1.32e-03	-91.90	0.0	16.33	-190.48	-0.08	0.05	-0.15	250.91
		-68.20	-0.56	7.70e-06		538.8	16.33	58.63	-0.08	-0.13	-0.56	-16.88
85	6	385.26	-0.19	2.07e-03	-133.32	0.0	30.79	-290.60	-0.28	0.16	-0.19	385.26
		-104.30	-1.70	1.88e-05		538.8	30.79	84.87	-0.28	0.07	-1.70	-31.49
85	7	250.91	-0.15	1.32e-03	-91.90	0.0	16.33	-190.48	-0.08	0.05	-0.15	250.91
		-68.20	-0.56	7.70e-06		538.8	16.33	58.63	-0.08	-0.13	-0.56	-16.88
85	8	344.96	-0.18	1.85e-03	-120.89	0.0	26.45	-260.56	-0.22	0.13	-0.18	344.96
		-93.47	-1.36	1.55e-05		538.8	26.45	77.00	-0.22	8.08e-03	-1.36	-27.11
85	9	250.91	-0.15	1.32e-03	-91.90	0.0	16.33	-190.48	-0.08	0.05	-0.15	250.91
		-68.20	-0.56	7.70e-06		538.8	16.33	58.63	-0.08	-0.13	-0.56	-16.88
85	10	331.52	-0.17	1.77e-03	-116.75	0.0	25.01	-250.55	-0.20	0.12	-0.17	331.52
		-89.86	-1.25	1.44e-05		538.8	25.01	74.38	-0.20	-0.01	-1.25	-25.65
85	11	328.26	3.25	1.76e-03	-116.57	0.0	86.33	-249.37	-3.24	-0.39	3.25	328.26
		-88.40	-14.20	1.45e-04		538.8	86.33	76.37	-3.24	-0.45	-14.20	-21.23
85	12	337.93	3.96	1.79e-03	-119.16	0.0	-3.06	-254.15	0.73	-4.58	0.04	337.93
		-92.81	0.04	-4.93e-05		538.8	-3.06	72.73	0.73	-4.12	3.96	-31.54
85	13	328.80	3.43	1.76e-03	-116.92	0.0	87.51	-249.68	-3.41	-1.10	3.43	328.80
		-88.66	-14.95	1.41e-04		538.8	87.51	76.24	-3.41	-1.08	-14.95	-21.73
85	14	337.39	4.71	1.79e-03	-118.77	0.0	-4.24	-253.84	0.90	-3.86	-0.14	337.39
		-92.55	-0.14	-4.59e-05		538.8	-4.24	72.86	0.90	-3.50	4.71	-31.04
85	15	340.34	3.73	1.83e-03	-128.19	0.0	123.49	-257.19	-3.55	-21.74	3.73	340.34
		-93.92	-15.40	-1.22e-04		538.8	123.49	74.51	-3.55	-19.16	-15.40	-30.52
85	16	325.84	5.16	1.73e-03	-122.15	0.0	-40.22	-246.33	1.04	16.77	-0.44	325.84
		-87.30	-0.44	2.09e-04		538.8	-40.22	74.59	1.04	14.59	5.16	-22.25
85	17	343.07	3.90	1.84e-03	-130.61	0.0	126.85	-258.81	-3.89	-26.34	3.90	343.07
		-95.10	-17.09	-1.92e-04		538.8	126.85	73.83	-3.89	-23.20	-17.09	-32.86
85	18	323.12	6.85	1.71e-03	-123.60	0.0	-43.59	-244.71	1.38	21.37	-0.61	323.12
		-86.11	-0.61	2.79e-04		538.8	-43.59	75.27	1.38	18.63	6.85	-19.90
85	19	325.78	-0.36	1.75e-03	-117.75	0.0	50.17	-247.32	-1.03	4.32	-0.36	325.78
		-87.21	-5.91	7.14e-05		538.8	50.17	75.85	-1.03	3.67	-5.91	-20.37

85	20	337.26	3.42	1.79e-03	-118.86	0.0	-0.15	-253.78	0.63	-4.09	0.02	337.26
		-92.50	0.02	-4.27e-05		538.8	-0.15	72.90	0.63	-3.70	3.42	-30.93
85	21	326.27	-0.20	1.75e-03	-117.55	0.0	51.22	-247.60	-1.19	3.68	-0.20	326.27
		-87.45	-6.59	6.83e-05		538.8	51.22	75.73	-1.19	3.11	-6.59	-20.82
85	22	336.78	4.09	1.79e-03	-118.51	0.0	-1.21	-253.50	0.79	-3.45	-0.15	336.78
		-92.27	-0.15	-3.96e-05		538.8	-1.21	73.02	0.79	-3.14	4.09	-30.48
85	23	336.61	0.07	1.81e-03	-124.14	0.0	83.47	-254.33	-1.31	-14.81	0.07	336.61
		-92.15	-6.99	-1.64e-04		538.8	83.47	74.18	-1.31	-13.10	-6.99	-28.70
85	24	326.43	4.50	1.73e-03	-121.59	0.0	-33.46	-246.77	0.91	15.05	-0.41	326.43
		-87.56	-0.41	1.89e-04		538.8	-33.46	74.57	0.91	13.08	4.50	-22.60
85	25	339.05	0.22	1.82e-03	-126.30	0.0	86.49	-255.78	-1.62	-18.94	0.22	339.05
		-93.21	-8.50	-2.26e-04		538.8	86.49	73.58	-1.62	-16.72	-8.50	-30.80
85	26	323.99	6.01	1.72e-03	-122.89	0.0	-36.48	-245.32	1.22	19.17	-0.56	323.99
		-86.50	-0.56	2.51e-04		538.8	-36.48	75.17	1.22	16.70	6.01	-20.50
86	1	3.28	4.81	1.47e-04	-71.36	0.0	17.19	-80.74	-2.55	0.24	4.81	3.28
		-73.97	-3.85	2.02e-05		340.0	17.19	61.14	-2.55	0.10	-3.85	-30.05
86	2	-1.68	7.36	2.41e-04	-99.68	0.0	36.99	-122.90	-3.96	0.22	7.36	-1.68
		-120.19	-6.09	1.51e-05		340.0	36.99	91.31	-3.96	0.19	-6.09	-55.53
86	3	5.58	2.13	5.50e-05	-37.48	0.0	1.04	-36.16	-1.09	0.20	2.13	5.58
		-28.45	-1.58	1.88e-05		340.0	1.04	28.46	-1.09	0.03	-1.58	-7.43
86	4	0.62	4.68	1.49e-04	-65.78	0.0	20.84	-78.32	-2.50	0.18	4.68	0.62
		-74.68	-3.83	1.35e-05		340.0	20.84	58.63	-2.50	0.11	-3.83	-32.91
86	5	2.93	3.49	1.05e-04	-52.57	0.0	11.60	-58.64	-1.84	0.19	3.49	2.93
		-53.10	-2.78	1.60e-05		340.0	11.60	44.55	-1.84	0.07	-2.78	-21.02
86	6	-0.38	5.19	1.68e-04	-71.45	0.0	24.80	-86.76	-2.78	0.17	5.19	-0.38
		-83.92	-4.27	1.25e-05		340.0	24.80	64.67	-2.78	0.13	-4.27	-38.01
86	7	2.93	3.49	1.05e-04	-52.57	0.0	11.60	-58.64	-1.84	0.19	3.49	2.93
		-53.10	-2.78	1.60e-05		340.0	11.60	44.55	-1.84	0.07	-2.78	-21.02
86	8	0.62	4.68	1.49e-04	-65.78	0.0	20.84	-78.32	-2.50	0.18	4.68	0.62
		-74.68	-3.83	1.35e-05		340.0	20.84	58.63	-2.50	0.11	-3.83	-32.91
86	9	2.93	3.49	1.05e-04	-52.57	0.0	11.60	-58.64	-1.84	0.19	3.49	2.93
		-53.10	-2.78	1.60e-05		340.0	11.60	44.55	-1.84	0.07	-2.78	-21.02
86	10	0.95	4.51	1.43e-04	-63.90	0.0	19.52	-75.51	-2.41	0.18	4.51	0.95
		-71.59	-3.68	1.39e-05		340.0	19.52	56.62	-2.41	0.11	-3.68	-31.21
86	11	-5.51	12.44	1.42e-04	-64.32	0.0	63.98	-71.78	-9.05	0.01	12.44	-5.51
		-70.49	-18.31	-5.81e-05		340.0	63.98	61.34	-9.05	-0.06	-18.31	-23.47
86	12	8.34	7.93	1.43e-04	-64.12	0.0	-0.16	-80.06	4.44	-0.07	-7.15	8.34
		-72.88	-7.15	4.73e-05		340.0	-0.16	52.65	4.44	-0.12	7.93	-38.23
86	13	-4.93	12.40	1.42e-04	-64.36	0.0	63.80	-72.17	-9.06	-0.03	12.40	-4.93
		-70.61	-18.38	-6.50e-05		340.0	63.80	61.03	-9.06	-0.10	-18.38	-24.08
86	14	7.77	8.00	1.43e-04	-64.08	0.0	0.03	-79.68	4.45	-0.02	-7.12	7.77
		-72.68	-7.12	5.42e-05		340.0	0.03	52.96	4.45	-0.08	8.00	-37.61
86	15	2.91	1.65	1.43e-04	-65.00	0.0	107.12	-77.39	2.73	0.41	-7.63	2.91
		-71.84	-7.63	-8.63e-05		340.0	107.12	57.43	2.73	0.46	1.65	-31.17
86	16	-0.07	12.91	1.43e-04	-63.87	0.0	-43.29	-74.46	-7.34	-0.46	12.91	-0.07
		-71.19	-12.03	7.55e-05		340.0	-43.29	56.56	-7.34	-0.64	-12.03	-30.52
86	17	4.23	0.66	1.43e-04	-65.02	0.0	106.29	-78.32	2.48	0.04	-7.76	4.23
		-72.24	-7.76	-1.13e-04		340.0	106.29	56.64	2.48	0.09	0.66	-32.82
86	18	-1.40	13.04	1.42e-04	-63.70	0.0	-42.46	-73.53	-7.08	-0.09	13.04	-1.40
		-70.78	-11.04	1.02e-04		340.0	-42.46	57.36	-7.08	-0.27	-11.04	-28.87
86	19	-5.68	14.97	1.43e-04	-63.69	0.0	37.15	-71.43	-8.54	0.40	14.97	-5.68
		-70.75	-14.08	-1.61e-05		340.0	37.15	60.18	-8.54	0.31	-14.08	-24.93
86	20	7.58	6.73	1.43e-04	-64.10	0.0	1.88	-79.59	3.73	-0.04	-5.94	7.58
		-72.69	-5.94	4.39e-05		340.0	1.88	53.06	3.73	-0.10	6.73	-37.50
86	21	-5.17	14.93	1.43e-04	-63.73	0.0	36.98	-71.78	-8.55	0.36	14.93	-5.17
		-70.86	-14.15	-2.23e-05		340.0	36.98	59.90	-8.55	0.28	-14.15	-25.48
86	22	7.06	6.79	1.43e-04	-64.07	0.0	2.05	-79.25	3.74	-2.77e-03	-5.91	7.06
		-72.51	-5.91	5.00e-05		340.0	2.05	53.34	3.74	-0.06	6.79	-36.95
86	23	1.86	3.81	1.44e-04	-64.32	0.0	75.81	-76.45	2.01	0.75	-3.02	1.86
		-71.96	-3.02	-4.13e-05		340.0	75.81	56.68	2.01	0.78	3.81	-31.83
86	24	0.03	12.04	1.43e-04	-63.87	0.0	-36.78	-74.57	-6.82	-0.39	12.04	0.03
		-71.23	-11.16	6.91e-05		340.0	-36.78	56.57	-6.82	-0.57	-11.16	-30.60
86	25	3.05	2.93	1.44e-04	-64.34	0.0	75.07	-77.29	1.78	0.42	-3.14	3.05
		-72.32	-3.14	-6.51e-05		340.0	75.07	55.96	1.78	0.45	2.93	-33.32
86	26	-1.15	12.16	1.42e-04	-63.72	0.0	-36.04	-73.73	-6.60	-0.06	12.16	-1.15
		-70.87	-10.28	9.29e-05		340.0	-36.04	57.28	-6.60	-0.23	-10.28	-29.11
87	1	416.73	-0.20	2.48e-03	-145.51	0.0	32.03	-74.43	0.04	1.26	-0.42	-59.51
		-118.04	-0.42	1.97e-05		541.5	32.03	311.27	0.04	1.22	-0.20	416.73
87	2	664.71	0.96	-4.04e-03	-221.63	0.0	64.25	-110.12	-0.24	1.89	0.96	-104.32
		-188.55	-0.37	3.99e-05		541.5	64.25	493.40	-0.24	2.11	-0.37	664.71
87	3	167.96	-0.06	9.44e-04	-65.56	0.0	4.81	-35.30	0.21	0.59	-1.17	-18.20
		-47.99	-1.17	6.54e-06		541.5	4.81	127.35	0.21	0.39	-0.06	167.96
87	4	415.94	0.21	-2.51e-03	-141.21	0.0	37.03	-70.98	-0.08	1.21	0.21	-63.01
		-117.82	-0.22	2.29e-05		541.5	37.03	309.49	-0.08	1.28	-0.22	415.94

87	5	300.22	-0.14	1.78e-03	-105.68	0.0	22.00	-54.33	0.05	0.92	-0.44	-42.10
		-85.09	-0.44	1.35e-05		541.5	22.00	224.49	0.05	0.86	-0.14	300.22
87	6	465.53	0.48	-2.82e-03	-156.43	0.0	43.48	-78.12	-0.14	1.34	0.48	-71.98
		-131.97	-0.25	2.70e-05		541.5	43.48	345.92	-0.14	1.46	-0.25	465.53
87	7	300.22	-0.14	1.78e-03	-105.68	0.0	22.00	-54.33	0.05	0.92	-0.44	-42.10
		-85.09	-0.44	1.35e-05		541.5	22.00	224.49	0.05	0.86	-0.14	300.22
87	8	415.94	0.21	-2.51e-03	-141.21	0.0	37.03	-70.98	-0.08	1.21	0.21	-63.01
		-117.82	-0.22	2.29e-05		541.5	37.03	309.49	-0.08	1.28	-0.22	415.94
87	9	300.22	-0.14	1.78e-03	-105.68	0.0	22.00	-54.33	0.05	0.92	-0.44	-42.10
		-85.09	-0.44	1.35e-05		541.5	22.00	224.49	0.05	0.86	-0.14	300.22
87	10	399.41	0.11	-2.40e-03	-136.13	0.0	34.88	-68.60	-0.06	1.17	0.11	-60.03
		-113.10	-0.21	2.16e-05		541.5	34.88	297.35	-0.06	1.22	-0.21	399.41
87	11	404.59	4.33	-2.41e-03	-137.97	0.0	73.16	-67.69	-0.14	3.94	4.33	-64.10
		-115.69	3.55	-6.22e-05		541.5	73.16	300.13	-0.14	4.34	3.55	404.59
87	12	393.93	0.97	-2.38e-03	-135.47	0.0	21.84	-71.09	1.64	0.42	-7.93	-53.68
		-110.46	-7.93	2.26e-05		541.5	21.84	294.89	1.64	0.37	0.97	393.93
87	13	404.67	4.69	-2.41e-03	-138.01	0.0	71.70	-67.87	-0.23	3.87	4.69	-63.73
		-115.54	3.43	-6.71e-05		541.5	71.70	300.23	-0.23	4.26	3.43	404.67
87	14	393.86	1.10	-2.38e-03	-135.43	0.0	23.30	-70.91	1.73	0.49	-8.29	-54.05
		-110.57	-8.29	2.59e-05		541.5	23.30	294.79	1.73	0.45	1.10	393.86
87	15	398.40	6.10	-2.39e-03	-155.50	0.0	126.49	-71.60	-0.02	40.14	6.10	-55.48
		-112.23	6.01	8.09e-04		541.5	126.49	297.85	-0.02	45.61	6.01	398.40
87	16	400.12	-1.48	-2.41e-03	-152.97	0.0	-31.48	-67.18	1.52	-35.78	-9.70	-62.30
		-113.78	-9.70	-8.80e-04		541.5	-31.48	297.16	1.52	-40.90	-1.48	400.12
87	17	397.76	6.06	-2.38e-03	-151.49	0.0	121.63	-72.29	0.34	31.67	4.21	-53.82
		-111.59	4.21	5.52e-04		541.5	121.63	297.63	0.34	35.97	6.06	397.76
87	18	400.76	-1.53	-2.41e-03	-148.85	0.0	-26.63	-66.49	1.16	-27.31	-7.80	-63.96
		-114.60	-7.80	-6.23e-04		541.5	-26.63	297.39	1.16	-31.26	-1.53	400.76
87	19	404.31	7.33	-2.42e-03	-136.72	0.0	46.57	-66.37	-1.59	1.84	7.33	-65.71
		-115.95	-1.27	5.95e-05		541.5	46.57	299.55	-1.59	1.98	-1.27	404.31
87	20	394.50	0.85	-2.39e-03	-135.54	0.0	23.19	-70.83	1.47	0.50	-7.10	-54.34
		-110.71	-7.10	2.10e-05		541.5	23.19	295.14	1.47	0.46	0.85	394.50
87	21	404.38	7.65	-2.42e-03	-136.76	0.0	45.27	-66.54	-1.67	1.78	7.65	-65.38
		-115.82	-1.39	5.39e-05		541.5	45.27	299.64	-1.67	1.91	-1.39	404.38
87	22	394.43	0.97	-2.38e-03	-135.50	0.0	24.50	-70.67	1.55	0.56	-7.42	-54.67
		-110.81	-7.42	2.40e-05		541.5	24.50	295.06	1.55	0.53	0.97	394.43
87	23	398.76	8.91	-2.40e-03	-152.43	0.0	94.37	-69.88	-1.47	34.29	8.91	-57.99
		-112.57	0.93	8.30e-04		541.5	94.37	297.51	-1.47	38.97	0.93	398.76
87	24	400.05	-1.35	-2.41e-03	-151.15	0.0	-24.60	-67.32	1.35	-31.95	-8.68	-62.07
		-113.71	-8.68	-7.86e-04		541.5	-24.60	297.18	1.35	-36.53	-1.35	400.05
87	25	398.19	7.21	-2.40e-03	-148.84	0.0	90.02	-70.50	-1.15	26.70	7.21	-56.50
		-112.00	0.98	5.99e-04		541.5	90.02	297.31	-1.15	30.33	0.98	398.19
87	26	400.62	-1.40	-2.41e-03	-147.45	0.0	-20.25	-66.71	1.03	-24.36	-6.98	-63.55
		-114.44	-6.98	-5.56e-04		541.5	-20.25	297.38	1.03	-27.89	-1.40	400.62
88	1	404.77	-0.22	-7.47e-04	-145.79	0.0	40.18	-325.32	-0.17	0.84	-0.22	404.77
		-133.08	-1.32	-2.21e-05		661.7	40.18	262.70	-0.17	1.16	-1.32	274.08
88	2	644.61	-0.39	-1.41e-03	-222.12	0.0	78.73	-513.03	-0.23	1.37	-0.39	644.61
		-199.91	-1.93	1.59e-05		661.7	78.73	409.43	-0.23	2.27	-1.93	441.65
88	3	163.77	-0.06	2.85e-04	-65.65	0.0	7.19	-134.74	-0.09	0.32	-0.06	163.77
		-61.25	-0.63	-3.18e-05		661.7	7.19	111.78	-0.09	0.21	-0.63	107.71
88	4	403.61	-0.24	-8.29e-04	-141.50	0.0	45.74	-322.44	-0.15	0.85	-0.24	403.61
		-128.07	-1.25	-7.68e-06		661.7	45.74	258.51	-0.15	1.32	-1.25	275.28
88	5	291.68	-0.16	5.21e-04	-105.88	0.0	27.75	-234.85	-0.12	0.61	-0.16	291.68
		-96.89	-0.96	-1.90e-05		661.7	27.75	190.04	-0.12	0.80	-0.96	197.08
88	6	451.58	-0.27	-9.61e-04	-156.77	0.0	53.44	-359.99	-0.17	0.96	-0.27	451.58
		-141.44	-1.37	8.84e-06		661.7	53.44	287.86	-0.17	1.54	-1.37	308.80
88	7	291.68	-0.16	5.21e-04	-105.88	0.0	27.75	-234.85	-0.12	0.61	-0.16	291.68
		-96.89	-0.96	-1.90e-05		661.7	27.75	190.04	-0.12	0.80	-0.96	197.08
88	8	403.61	-0.24	-8.29e-04	-141.50	0.0	45.74	-322.44	-0.15	0.85	-0.24	403.61
		-128.07	-1.25	-7.68e-06		661.7	45.74	258.51	-0.15	1.32	-1.25	275.28
88	9	291.68	-0.16	5.21e-04	-105.88	0.0	27.75	-234.85	-0.12	0.61	-0.16	291.68
		-96.89	-0.96	-1.90e-05		661.7	27.75	190.04	-0.12	0.80	-0.96	197.08
88	10	387.62	-0.22	-7.85e-04	-136.41	0.0	43.17	-309.93	-0.15	0.82	-0.22	387.62
		-123.62	-1.21	-9.29e-06		661.7	43.17	248.73	-0.15	1.25	-1.21	264.11
88	11	383.54	8.12	-7.37e-04	-138.24	0.0	70.89	-309.94	0.69	1.51	3.58	383.54
		-125.12	3.58	3.07e-04		661.7	70.89	255.08	0.69	3.03	8.12	275.40
88	12	392.46	1.16	-8.34e-04	-135.76	0.0	38.51	-310.61	-0.26	-0.44	1.16	392.46
		-122.73	-0.56	-9.71e-05		661.7	38.51	242.52	-0.26	-0.52	-0.56	252.00
88	13	384.51	7.11	-7.48e-04	-138.28	0.0	68.59	-310.27	0.55	1.37	3.48	384.51
		-125.05	3.48	2.79e-04		661.7	68.59	254.25	0.55	2.84	7.11	273.74
88	14	391.50	1.25	-8.22e-04	-135.71	0.0	40.81	-310.28	-0.12	-0.30	1.25	391.50
		-122.80	0.45	-6.89e-05		661.7	40.81	243.35	-0.12	-0.33	0.45	253.66
88	15	389.37	12.68	-7.54e-04	-155.60	0.0	134.54	-311.85	1.95	-13.15	-0.23	389.37
		-125.81	-0.23	3.23e-04		661.7	134.54	250.73	1.95	-1.40	12.68	263.77

88	16	386.64	4.97	-8.16e-04	-153.06	0.0	-25.14	-308.70	-1.52	14.23	4.97	386.64
		-122.04	-5.12	-1.13e-04		661.7	-25.14	246.86	-1.52	3.91	-5.12	263.63
88	17	391.57	12.69	-7.86e-04	-151.62	0.0	127.18	-312.35	1.65	-11.40	1.80	391.57
		-125.36	1.80	2.63e-04		661.7	127.18	248.14	1.65	-2.35	12.69	259.10
88	18	384.44	2.93	-7.84e-04	-148.96	0.0	-17.78	-308.20	-1.22	12.47	2.93	384.44
		-122.50	-5.13	-5.30e-05		661.7	-17.78	249.46	-1.22	4.86	-5.13	268.30
88	19	383.28	-1.47	-7.41e-04	-137.01	0.0	47.34	-309.32	-0.05	1.94	-1.47	383.28
		-124.41	-1.78	7.00e-05		661.7	47.34	254.29	-0.05	2.83	-1.78	274.97
88	20	391.96	1.02	-8.29e-04	-135.82	0.0	38.99	-310.54	-0.25	-0.31	1.02	391.96
		-122.83	-0.63	-8.80e-05		661.7	38.99	243.16	-0.25	-0.34	-0.63	253.26
88	21	384.15	-1.55	-7.51e-04	-137.04	0.0	45.28	-309.62	-0.17	1.82	-1.55	384.15
		-124.35	-2.69	5.39e-05		661.7	45.28	253.55	-0.17	2.66	-2.69	273.48
88	22	391.09	1.10	-8.19e-04	-135.78	0.0	41.05	-310.25	-0.12	-0.18	1.10	391.09
		-122.89	0.28	-6.28e-05		661.7	41.05	243.91	-0.12	-0.17	0.28	254.74
88	23	388.50	2.30	-7.57e-04	-152.57	0.0	104.39	-311.03	1.08	-11.21	-4.88	388.50
		-125.03	-4.88	8.34e-05		661.7	104.39	250.40	1.08	-1.14	2.30	264.55
88	24	386.74	4.43	-8.13e-04	-151.26	0.0	-18.06	-308.83	-1.38	12.84	4.43	386.74
		-122.21	-4.71	-1.02e-04		661.7	-18.06	247.06	-1.38	3.63	-4.71	263.68
88	25	390.47	2.31	-7.85e-04	-149.00	0.0	97.80	-311.48	0.81	-9.63	-3.06	390.47
		-124.62	-3.06	2.99e-05		661.7	97.80	248.07	0.81	-1.99	2.31	260.36
88	26	384.77	2.61	-7.84e-04	-147.58	0.0	-11.46	-308.38	-1.11	11.27	2.61	384.77
		-122.61	-4.72	-4.85e-05		661.7	-11.46	249.38	-1.11	4.49	-4.72	267.87
89	1	291.09	1.71	-1.39e-03	-123.62	0.0	32.74	-245.76	0.75	2.75	-1.20	291.09
		-103.32	-1.20	-1.81e-05		385.9	32.74	19.20	0.75	3.24	1.71	-100.22
89	2	472.45	-1.69	-2.64e-03	-180.39	0.0	66.40	-384.82	-0.04	5.27	-1.69	472.45
		-195.70	-1.83	-1.65e-05		385.9	66.40	-6.25	-0.04	6.39	-1.83	-195.70
89	3	112.30	3.49	-2.95e-04	-60.36	0.0	4.48	-103.47	1.07	0.56	-0.63	112.30
		-32.98	-0.63	-1.70e-05		385.9	4.48	30.43	1.07	0.55	3.49	-18.33
89	4	293.67	-0.05	-1.55e-03	-116.93	0.0	38.13	-242.53	0.28	3.08	-1.11	293.67
		-114.05	-1.11	-1.33e-05		385.9	38.13	4.98	0.28	3.70	-0.05	-113.82
89	5	209.03	1.61	-9.65e-04	-90.43	0.0	22.43	-177.64	0.65	1.90	-0.89	209.03
		-72.78	-0.89	-1.41e-05		385.9	22.43	16.86	0.65	2.23	1.61	-69.26
89	6	329.94	-0.76	-1.80e-03	-128.28	0.0	44.86	-270.35	0.12	3.59	-1.21	329.94
		-132.91	-1.21	-1.30e-05		385.9	44.86	-0.11	0.12	4.33	-0.76	-132.91
89	7	209.03	1.61	-9.65e-04	-90.43	0.0	22.43	-177.64	0.65	1.90	-0.89	209.03
		-72.78	-0.89	-1.41e-05		385.9	22.43	16.86	0.65	2.23	1.61	-69.26
89	8	293.67	-0.05	-1.55e-03	-116.93	0.0	38.13	-242.53	0.28	3.08	-1.11	293.67
		-114.05	-1.11	-1.33e-05		385.9	38.13	4.98	0.28	3.70	-0.05	-113.82
89	9	209.03	1.61	-9.65e-04	-90.43	0.0	22.43	-177.64	0.65	1.90	-0.89	209.03
		-72.78	-0.89	-1.41e-05		385.9	22.43	16.86	0.65	2.23	1.61	-69.26
89	10	281.58	0.19	-1.47e-03	-113.14	0.0	35.89	-233.26	0.33	2.92	-1.08	281.58
		-107.95	-1.08	-1.34e-05		385.9	35.89	6.68	0.33	3.49	0.19	-107.45
89	11	283.73	8.18	-1.66e-03	-117.08	0.0	55.37	-225.57	-10.20	2.76	8.18	283.73
		-70.72	-31.17	3.04e-04		385.9	55.37	15.52	-10.20	4.14	-31.17	-68.22
89	12	279.18	1.51	-1.27e-03	-110.71	0.0	38.16	-240.37	0.43	1.96	-0.15	279.18
		-142.56	-0.15	-1.74e-05		385.9	38.16	-0.40	0.43	1.99	1.51	-142.56
89	13	282.90	7.18	-1.64e-03	-116.70	0.0	52.29	-225.79	-9.40	2.66	7.18	282.90
		-73.26	-29.08	2.68e-04		385.9	52.29	15.07	-9.40	3.98	-29.08	-70.87
89	14	280.01	0.84	-1.29e-03	-110.85	0.0	41.24	-240.15	-0.37	2.07	0.84	280.01
		-139.90	-0.58	1.88e-05		385.9	41.24	0.04	-0.37	2.15	-0.58	-139.90
89	15	282.53	22.34	-1.47e-03	-128.98	0.0	129.19	-231.66	-22.40	-38.11	22.34	282.53
		-91.38	-64.11	6.16e-05		385.9	129.19	14.00	-22.40	-34.24	-64.11	-89.35
89	16	280.37	34.45	-1.46e-03	-123.66	0.0	-35.66	-234.27	12.64	42.84	-14.32	280.37
		-121.43	-14.32	3.46e-04		385.9	-35.66	1.12	12.64	40.37	34.45	-121.43
89	17	280.52	20.02	-1.40e-03	-124.23	0.0	119.48	-233.72	-20.90	-27.74	20.02	280.52
		-104.21	-60.65	1.23e-04		385.9	119.48	11.07	-20.90	-24.80	-60.65	-102.92
89	18	282.38	30.99	-1.53e-03	-120.70	0.0	-25.94	-232.22	11.14	32.47	-12.00	282.38
		-107.97	-12.00	2.42e-04		385.9	-25.94	4.05	11.14	30.93	30.99	-107.86
89	19	283.73	-1.00	-1.64e-03	-115.77	0.0	33.85	-226.90	0.24	3.77	-1.91	283.73
		-77.89	-1.91	-9.89e-06		385.9	33.85	13.02	0.24	4.84	-1.00	-75.98
89	20	279.42	1.38	-1.29e-03	-110.78	0.0	37.92	-239.63	0.42	2.06	-0.25	279.42
		-138.92	-0.25	-1.70e-05		385.9	37.92	0.33	0.42	2.14	1.38	-138.92
89	21	282.99	0.87	-1.62e-03	-115.43	0.0	31.09	-227.09	0.95	3.67	-2.81	282.99
		-80.16	-2.81	-4.23e-05		385.9	31.09	12.62	0.95	4.69	0.87	-78.36
89	22	280.17	0.64	-1.31e-03	-110.90	0.0	40.69	-239.43	-0.30	2.16	0.64	280.17
		-136.54	-0.50	1.54e-05		385.9	40.69	0.73	-0.30	2.29	-0.50	-136.54
89	23	282.66	10.78	-1.47e-03	-126.43	0.0	100.03	-232.36	-10.70	-32.87	10.78	282.66
		-96.40	-30.52	-3.36e-04		385.9	100.03	11.66	-10.70	-29.56	-30.52	-94.93
89	24	280.50	30.90	-1.46e-03	-122.38	0.0	-28.25	-234.17	11.36	38.70	-12.94	280.50
		-119.98	-12.94	3.09e-04		385.9	-28.25	1.69	11.36	36.55	30.90	-119.98
89	25	280.86	8.70	-1.41e-03	-122.18	0.0	91.31	-234.20	-9.36	-23.57	8.70	280.86
		-107.92	-27.42	-2.43e-04		385.9	91.31	9.03	-9.36	-21.10	-27.42	-107.09
89	26	282.30	27.80	-1.52e-03	-119.73	0.0	-19.54	-232.33	10.02	29.40	-10.87	282.30
		-107.97	-10.87	2.16e-04		385.9	-19.54	4.32	10.02	28.08	27.80	-107.81

90	1	57.77	3.85	-6.16e-05	-69.52	0.0	46.79	-64.78	9.00	16.64	-7.07	57.77
		9.06	-7.07	4.86e-05		121.2	46.79	-15.29	9.00	16.31	3.85	9.06
90	2	117.18	3.68	-5.93e-05	-84.11	0.0	83.58	-124.87	12.65	22.46	-11.66	117.18
		4.12	-11.66	5.09e-05		121.2	83.58	-61.36	12.65	22.13	3.68	4.12
90	3	10.01	3.07	-4.88e-05	-44.78	0.0	13.35	-12.85	4.68	9.22	-2.61	7.88
		4.42	-2.61	3.59e-05		121.2	13.35	16.60	4.68	8.96	3.07	10.01
90	4	67.29	2.89	-4.65e-05	-59.08	0.0	50.14	-72.94	8.33	15.04	-7.20	67.29
		5.07	-7.20	3.83e-05		121.2	50.14	-29.48	8.33	14.78	2.89	5.07
90	5	39.57	2.97	-4.76e-05	-52.29	0.0	32.97	-44.90	6.63	12.32	-5.06	39.57
		7.38	-5.06	3.72e-05		121.2	32.97	-7.98	6.63	12.07	2.97	7.38
90	6	79.17	2.86	-4.61e-05	-62.00	0.0	57.50	-84.96	9.06	16.20	-8.12	79.17
		4.08	-8.12	3.87e-05		121.2	57.50	-38.70	9.06	15.95	2.86	4.08
90	7	39.57	2.97	-4.76e-05	-52.29	0.0	32.97	-44.90	6.63	12.32	-5.06	39.57
		7.38	-5.06	3.72e-05		121.2	32.97	-7.98	6.63	12.07	2.97	7.38
90	8	67.29	2.89	-4.65e-05	-59.08	0.0	50.14	-72.94	8.33	15.04	-7.20	67.29
		5.07	-7.20	3.83e-05		121.2	50.14	-29.48	8.33	14.78	2.89	5.07
90	9	39.57	2.97	-4.76e-05	-52.29	0.0	32.97	-44.90	6.63	12.32	-5.06	39.57
		7.38	-5.06	3.72e-05		121.2	32.97	-7.98	6.63	12.07	2.97	7.38
90	10	63.33	2.91	-4.67e-05	-58.10	0.0	47.69	-68.94	8.09	14.65	-6.90	63.33
		5.40	-6.90	3.81e-05		121.2	47.69	-26.41	8.09	14.40	2.91	5.40
90	11	53.09	8.01	-8.94e-06	-69.90	0.0	-55.14	-63.45	-0.44	20.05	8.01	53.09
		7.64	7.47	6.44e-05		121.2	-55.14	-11.57	-0.44	19.63	7.47	7.64
90	12	71.89	7.63	-6.03e-05	-51.97	0.0	109.97	-72.64	13.13	29.78	-8.29	71.89
		4.97	-8.29	1.34e-04		121.2	109.97	-37.48	13.13	29.95	7.63	4.97
90	13	54.03	8.15	-1.28e-05	-69.79	0.0	-57.27	-64.08	0.83	22.44	7.14	54.03
		7.83	7.14	6.60e-05		121.2	-57.27	-12.19	0.83	22.06	8.15	7.83
90	14	70.95	6.95	-6.66e-05	-51.59	0.0	112.10	-72.01	11.85	27.39	-7.43	70.95
		4.78	-7.43	1.32e-04		121.2	112.10	-36.85	11.85	27.52	6.95	4.78
90	15	62.77	17.09	-6.35e-05	-65.49	0.0	-46.18	-68.08	16.71	58.25	-3.17	62.77
		9.28	-3.17	1.90e-04		121.2	-46.18	-20.49	16.71	58.56	17.09	9.28
90	16	62.21	2.89	-1.18e-04	-59.31	0.0	101.01	-68.01	-4.02	-8.42	2.89	62.21
		3.33	-1.99	8.45e-06		121.2	101.01	-28.56	-4.02	-8.99	-1.99	3.33
90	17	63.86	19.77	-8.18e-05	-66.53	0.0	-52.28	-68.20	20.24	67.96	-4.78	63.86
		9.98	-4.78	2.16e-04		121.2	-52.28	-21.09	20.24	68.44	19.77	9.98
90	18	61.12	4.49	-1.37e-04	-61.91	0.0	107.11	-67.89	-7.55	-18.12	4.49	61.12
		2.62	-4.67	-1.79e-05		121.2	107.11	-27.96	-7.55	-18.86	-4.67	2.62
90	19	55.65	-1.33	-3.45e-05	-68.09	0.0	-8.14	-65.62	3.56	1.09	-5.65	55.65
		5.78	-5.65	-4.74e-05		121.2	-8.14	-16.49	3.56	0.45	-1.33	5.78
90	20	71.00	7.14	-5.89e-05	-52.31	0.0	103.51	-72.26	12.61	28.21	-8.15	71.00
		5.01	-8.15	1.24e-04		121.2	103.51	-36.33	12.61	28.34	7.14	5.01
90	21	56.49	-0.72	-2.88e-05	-67.60	0.0	-10.05	-66.19	4.71	3.23	-6.42	56.49
		5.96	-6.42	-4.60e-05		121.2	-10.05	-17.05	4.71	2.63	-0.72	5.96
90	22	70.16	6.53	-6.46e-05	-51.98	0.0	105.43	-71.69	11.46	26.07	-7.37	70.16
		4.84	-7.37	1.22e-04		121.2	105.43	-35.77	11.46	26.16	6.53	4.84
90	23	64.33	7.29	-1.81e-05	-60.55	0.0	-0.11	-69.77	18.94	35.33	-15.67	64.33
		7.25	-15.67	6.47e-05		121.2	-0.11	-24.48	18.94	35.35	7.29	7.25
90	24	62.33	1.87	-1.11e-04	-59.15	0.0	95.49	-68.11	-2.76	-6.03	1.87	62.33
		3.55	-1.48	1.15e-05		121.2	95.49	-28.34	-2.76	-6.56	-1.48	3.55
90	25	65.31	9.69	-3.40e-05	-61.35	0.0	-5.58	-69.87	22.11	44.03	-17.11	65.31
		7.89	-17.11	8.83e-05		121.2	-5.58	-25.02	22.11	44.21	9.69	7.89
90	26	61.35	3.31	-1.27e-04	-61.49	0.0	100.95	-68.00	-5.93	-14.73	3.31	61.35
		2.91	-3.88	-1.21e-05		121.2	100.95	-27.80	-5.93	-15.42	-3.88	2.91
91	1	7.69	-1.99	-2.33e-05	-71.86	0.0	18.73	-29.32	1.50	4.20	-3.81	7.69
		-2.19	-3.81	-2.27e-05		121.2	18.73	23.65	1.50	4.31	-1.99	4.18
91	2	9.19	-2.10	-1.27e-06	-84.87	0.0	15.94	-35.90	3.22	6.30	-6.00	9.19
		-2.93	-6.00	-5.74e-05		121.2	15.94	28.57	3.22	6.59	-2.10	4.74
91	3	4.99	-1.46	-3.15e-05	-47.50	0.0	16.12	-18.51	0.10	1.94	-1.58	4.99
		-1.23	-1.58	3.93e-06		121.2	16.12	15.17	0.10	1.91	-1.46	2.87
91	4	6.49	-1.57	-9.45e-06	-60.28	0.0	13.33	-25.09	1.82	4.04	-3.77	6.49
		-1.97	-3.77	-3.08e-05		121.2	13.33	20.08	1.82	4.19	-1.57	3.43
91	5	5.79	-1.52	-1.97e-05	-54.21	0.0	14.64	-22.02	1.02	3.06	-2.75	5.79
		-1.62	-2.75	-1.46e-05		121.2	14.64	17.79	1.02	3.13	-1.52	3.17
91	6	6.79	-1.59	-5.04e-06	-62.88	0.0	12.78	-26.40	2.16	4.46	-4.21	6.79
		-2.12	-4.21	-3.78e-05		121.2	12.78	21.07	2.16	4.65	-1.59	3.54
91	7	5.79	-1.52	-1.97e-05	-54.21	0.0	14.64	-22.02	1.02	3.06	-2.75	5.79
		-1.62	-2.75	-1.46e-05		121.2	14.64	17.79	1.02	3.13	-1.52	3.17
91	8	6.49	-1.57	-9.45e-06	-60.28	0.0	13.33	-25.09	1.82	4.04	-3.77	6.49
		-1.97	-3.77	-3.08e-05		121.2	13.33	20.08	1.82	4.19	-1.57	3.43
91	9	5.79	-1.52	-1.97e-05	-54.21	0.0	14.64	-22.02	1.02	3.06	-2.75	5.79
		-1.62	-2.75	-1.46e-05		121.2	14.64	17.79	1.02	3.13	-1.52	3.17
91	10	6.39	-1.56	-1.09e-05	-59.41	0.0	13.52	-24.65	1.70	3.90	-3.63	6.39
		-1.92	-3.63	-2.85e-05		121.2	13.52	19.76	1.70	4.04	-1.56	3.39
91	11	6.41	-5.21	-1.87e-05	-64.53	0.0	-62.63	-19.72	7.41	3.85	-14.20	0.52
		-4.25	-14.20	-9.48e-05		121.2	-62.63	29.36	7.41	4.07	-5.21	6.41

91	12	8.85	-1.66	-6.87e-06	-56.53	0.0	71.13	-23.98	-2.63	1.55	-1.66	8.85
		-0.46	-4.84	1.87e-05		121.2	71.13	13.48	-2.63	2.27	-4.84	2.47
91	13	6.64	-4.64	-2.55e-05	-64.38	0.0	-61.85	-18.89	7.18	3.83	-13.34	0.19
		-4.26	-13.34	-9.56e-05		121.2	-61.85	29.41	7.18	4.11	-4.64	6.64
91	14	9.18	-2.51	-1.37e-05	-56.88	0.0	70.35	-24.81	-2.39	1.58	-2.51	9.18
		-0.59	-5.42	1.94e-05		121.2	70.35	13.43	-2.39	2.22	-5.42	2.25
91	15	8.50	-3.52	-8.86e-05	-63.54	0.0	-24.54	-9.85	4.13	3.01	-8.53	-2.28
		-3.82	-8.53	-7.69e-05		121.2	-24.54	27.21	4.13	4.56	-3.52	8.50
91	16	11.65	-6.54	-7.68e-05	-69.08	0.0	33.04	-33.85	0.65	2.40	-7.33	11.65
		-2.56	-7.33	3.29e-06		121.2	33.04	15.63	0.65	1.78	-6.54	0.38
91	17	9.21	-3.17	-1.08e-04	-63.52	0.0	-22.85	-6.99	3.68	2.06	-7.63	-3.44
		-4.27	-7.63	-8.74e-05		121.2	-22.85	27.33	3.68	3.93	-3.17	9.21
91	18	12.81	-6.89	-9.62e-05	-74.63	0.0	31.35	-36.71	1.10	3.34	-8.23	12.81
		-3.04	-8.23	1.13e-05		121.2	31.35	15.51	1.10	2.40	-6.89	-0.32
91	19	4.22	1.38	-1.45e-05	-67.38	0.0	-38.12	-25.25	5.59	6.00	-5.40	4.18
		-3.47	-5.40	-7.08e-05		121.2	-38.12	25.38	5.59	5.63	1.38	4.22
91	20	8.60	-1.86	-7.29e-06	-56.83	0.0	65.16	-24.05	-2.18	1.80	-1.86	8.60
		-0.60	-4.50	1.38e-05		121.2	65.16	14.13	-2.18	2.45	-4.50	2.57
91	21	4.42	1.89	-8.42e-06	-66.25	0.0	-37.42	-24.50	5.37	5.98	-4.63	3.89
		-3.41	-4.63	-7.15e-05		121.2	-37.42	25.42	5.37	5.67	1.89	4.42
91	22	8.89	-2.63	-1.34e-05	-57.14	0.0	64.46	-24.79	-1.97	1.82	-2.63	8.89
		-0.71	-5.02	1.45e-05		121.2	64.46	14.09	-1.97	2.41	-5.02	2.37
91	23	6.09	2.90	-4.82e-05	-60.09	0.0	-3.97	-16.40	2.64	5.24	-0.31	1.68
		-2.34	-0.31	-5.47e-05		121.2	-3.97	23.45	2.64	6.07	2.90	6.09
91	24	11.10	-6.02	-7.00e-05	-67.81	0.0	31.01	-32.89	0.76	2.56	-6.95	11.10
		-2.45	-6.95	-2.27e-06		121.2	31.01	16.06	0.76	2.01	-6.02	0.69
91	25	6.72	3.21	-6.55e-05	-60.07	0.0	-2.46	-13.84	2.24	4.40	0.49	0.64
		-2.40	0.49	-6.41e-05		121.2	-2.46	23.56	2.24	5.51	3.21	6.72
91	26	12.15	-6.34	-8.74e-05	-72.78	0.0	29.50	-35.46	1.16	3.40	-7.75	12.15
		-2.88	-7.75	7.57e-06		121.2	29.50	15.95	1.16	2.57	-6.34	0.07
92	1	0.57	10.94	1.43e-04	-77.45	0.0	-5.92	-9.99	24.13	5.60	-6.43	-4.38
		-5.46	-6.43	-3.56e-05		72.0	-5.92	24.16	24.13	5.59	10.94	0.57
92	2	1.26	19.96	-2.72e-04	-91.28	0.0	-11.47	-7.53	23.55	6.74	3.00	-7.73
		-8.26	3.00	-3.42e-05		72.0	-11.47	33.31	23.55	6.75	19.96	1.26
92	3	0.01	2.86	3.11e-05	-51.22	0.0	-1.14	-9.20	18.91	3.60	-10.75	-1.31
		-2.69	-10.75	-2.83e-05		72.0	-1.14	12.96	18.91	3.59	2.86	0.01
92	4	0.70	11.88	-1.60e-04	-64.90	0.0	-6.69	-6.74	18.34	4.74	-1.32	-4.66
		-5.25	-1.32	-2.69e-05		72.0	-6.69	22.10	18.34	4.75	11.88	0.70
92	5	0.38	7.67	9.97e-05	-58.44	0.0	-4.10	-7.89	18.61	4.21	-5.72	-3.10
		-3.99	-5.72	-2.75e-05		72.0	-4.10	17.84	18.61	4.21	7.67	0.38
92	6	0.84	13.69	-1.86e-04	-67.66	0.0	-7.80	-6.25	18.23	4.97	0.57	-5.33
		-5.81	0.57	-2.66e-05		72.0	-7.80	23.93	18.23	4.98	13.69	0.84
92	7	0.38	7.67	9.97e-05	-58.44	0.0	-4.10	-7.89	18.61	4.21	-5.72	-3.10
		-3.99	-5.72	-2.75e-05		72.0	-4.10	17.84	18.61	4.21	7.67	0.38
92	8	0.70	11.88	1.60e-04	-64.90	0.0	-6.69	-6.74	18.34	4.74	-1.32	-4.66
		-5.25	-1.32	-2.69e-05		72.0	-6.69	22.10	18.34	4.75	11.88	0.70
92	9	0.38	7.67	9.97e-05	-58.44	0.0	-4.10	-7.89	18.61	4.21	-5.72	-3.10
		-3.99	-5.72	-2.75e-05		72.0	-4.10	17.84	18.61	4.21	7.67	0.38
92	10	0.66	11.28	1.51e-04	-63.97	0.0	-6.32	-6.90	18.38	4.67	-1.95	-4.44
		-5.06	-1.95	-2.70e-05		72.0	-6.32	21.49	18.38	4.67	11.28	0.66
92	11	0.46	50.52	-1.08e-04	-65.14	0.0	-16.25	-11.02	-26.81	3.87	50.52	-2.06
		-3.59	31.23	7.55e-05		72.0	-16.25	18.34	-26.81	3.88	31.23	0.46
92	12	-0.68	1.48	3.78e-04	-62.86	0.0	6.80	-11.73	63.17	6.61	-43.98	-1.07
		-3.18	-43.98	-1.18e-04		72.0	6.80	13.89	63.17	6.64	1.48	-0.68
92	13	0.63	48.66	-1.44e-04	-64.73	0.0	-15.53	-10.28	-25.06	3.79	48.66	-2.18
		-3.54	30.62	7.15e-05		72.0	-15.53	18.49	-25.06	3.82	30.62	0.63
92	14	-0.85	2.08	3.43e-04	-63.27	0.0	6.08	-12.47	61.42	6.68	-42.12	-0.95
		-3.26	-42.12	-1.14e-04		72.0	6.08	13.73	61.42	6.70	2.08	-0.85
92	15	0.48	26.78	7.21e-04	-64.30	0.0	-1.35	-9.10	30.25	8.53	5.01	-0.45
		-2.04	5.01	-1.23e-05		72.0	-1.35	13.77	30.25	8.63	26.78	0.48
92	16	-0.71	5.93	-2.35e-04	-72.35	0.0	-8.10	-13.65	6.12	1.95	1.53	-2.68
		-4.67	1.53	-2.99e-05		72.0	-8.10	18.46	6.12	1.88	5.93	-0.71
92	17	0.62	26.52	8.43e-04	-63.22	0.0	1.85	-9.20	35.48	8.49	0.99	0.54
		-1.31	0.99	-2.36e-05		72.0	1.85	11.87	35.48	8.61	26.52	0.62
92	18	-0.85	6.18	-3.56e-04	-77.55	0.0	-11.30	-13.56	0.88	1.98	5.55	-3.67
		-5.49	5.55	-1.86e-05		72.0	-11.30	20.36	0.88	1.91	6.18	-0.85
92	19	1.86	35.73	-5.21e-05	-66.91	0.0	-18.07	-2.58	-21.77	2.92	35.73	-7.46
		-7.53	20.06	5.43e-05		72.0	-18.07	28.31	-21.77	2.91	20.06	1.86
92	20	-0.54	2.50	3.54e-04	-62.98	0.0	5.44	-11.23	58.53	6.41	-39.62	-1.41
		-3.32	-39.62	-1.08e-04		72.0	5.44	14.68	58.53	6.43	2.50	-0.54
92	21	2.01	34.07	2.04e-05	-65.45	0.0	-17.43	-1.91	-20.20	2.86	34.07	-7.56
		-7.60	19.53	5.07e-05		72.0	-17.43	28.45	-20.20	2.85	19.53	2.01
92	22	-0.70	3.03	-3.23e-04	-63.35	0.0	4.80	-11.90	56.96	6.48	-37.96	-1.31
		-3.38	-37.96	-1.05e-04		72.0	4.80	14.54	56.96	6.49	3.03	-0.70

92	23	1.88	16.08	4.97e-04	-64.22	0.0	-4.71	-0.86	29.37	7.11	-5.06	-6.01
		-6.02	-5.06	-2.43e-05		72.0	-4.71	24.22	29.37	7.17	16.08	1.88
92	24	-0.57	6.48	-1.95e-04	-71.00	0.0	-7.92	-12.95	7.39	2.23	1.17	-2.86
		-4.69	1.17	-2.96e-05		72.0	-7.92	18.77	7.39	2.17	6.48	-0.57
92	25	2.01	15.85	6.06e-04	-63.25	0.0	-1.85	-0.94	34.06	7.07	-8.66	-5.13
		-5.14	-8.66	-3.45e-05		72.0	-1.85	22.51	34.06	7.15	15.85	2.01
92	26	-0.69	6.71	-3.04e-04	-75.66	0.0	-10.78	-12.87	2.69	2.26	4.77	-3.75
		-5.43	4.77	-1.94e-05		72.0	-10.78	20.48	2.69	2.19	6.71	-0.69
93	1	5.59	22.10	3.69e-05	-84.19	0.0	16.03	-29.61	-11.04	-0.67	22.10	5.59
		-2.74	10.60	-2.02e-05		104.1	16.03	24.78	-11.04	-0.40	10.60	3.16
93	2	4.99	30.27	6.47e-05	-103.83	0.0	13.67	-35.05	-17.15	-2.35	30.27	4.99
		-4.26	12.42	-6.01e-06		104.1	13.67	33.52	-17.15	-1.84	12.42	4.33
93	3	4.68	11.97	1.13e-05	-52.68	0.0	13.79	-19.43	-4.74	0.51	11.97	4.68
		-1.23	7.04	-2.87e-05		104.1	13.79	13.68	-4.74	0.58	7.04	1.71
93	4	4.07	20.14	3.91e-05	-72.31	0.0	11.42	-24.87	-10.85	-1.16	20.14	4.07
		-2.68	8.86	-8.63e-06		104.1	11.42	22.42	-10.85	-0.86	8.86	2.88
93	5	4.35	16.33	2.61e-05	-63.15	0.0	12.53	-22.33	-7.99	-0.38	16.33	4.35
		-1.99	8.01	-1.73e-05		104.1	12.53	18.34	-7.99	-0.19	8.01	2.33
93	6	3.95	21.78	4.46e-05	-76.24	0.0	10.95	-25.96	-12.07	-1.50	21.78	3.95
		-2.99	9.22	-6.28e-06		104.1	10.95	24.17	-12.07	-1.15	9.22	3.12
93	7	4.35	16.33	2.61e-05	-63.15	0.0	12.53	-22.33	-7.99	-0.38	16.33	4.35
		-1.99	8.01	-1.73e-05		104.1	12.53	18.34	-7.99	-0.19	8.01	2.33
93	8	4.07	20.14	3.91e-05	-72.31	0.0	11.42	-24.87	-10.85	-1.16	20.14	4.07
		-2.68	8.85	-8.63e-06		104.1	11.42	22.43	-10.85	-0.86	8.85	2.88
93	9	4.35	16.33	2.61e-05	-63.15	0.0	12.53	-22.33	-7.99	-0.38	16.33	4.35
		-1.99	8.01	-1.73e-05		104.1	12.53	18.34	-7.99	-0.19	8.01	2.33
93	10	4.11	19.60	3.72e-05	-71.01	0.0	11.58	-24.51	-10.44	-1.05	19.60	4.11
		-2.57	8.73	-9.57e-06		104.1	11.58	21.84	-10.44	-0.77	8.73	2.80
93	11	4.83	5.03	4.50e-05	-70.03	0.0	-26.60	-16.24	-10.91	3.50	5.03	-2.32
		-5.26	-6.32	1.72e-04		104.1	-26.60	29.79	-10.91	3.73	-6.32	4.83
93	12	11.78	40.12	8.06e-05	-80.13	0.0	51.52	-35.97	-12.85	-0.62	40.12	11.78
		-1.46	26.74	-1.29e-04		104.1	51.52	14.30	-12.85	0.08	26.74	0.67
93	13	4.90	5.96	5.08e-05	-71.19	0.0	-25.24	-16.45	-11.29	2.98	5.96	-2.26
		-5.24	-5.80	1.65e-04		104.1	-25.24	29.98	-11.29	3.27	-5.80	4.90
93	14	11.71	39.19	7.49e-05	-78.97	0.0	50.16	-35.77	-12.47	-0.10	39.19	11.71
		-1.49	26.22	-1.22e-04		104.1	50.16	14.10	-12.47	0.54	26.22	0.60
93	15	8.10	35.47	1.86e-04	-96.45	0.0	28.03	-33.71	-16.92	3.66	35.47	8.10
		-1.88	17.86	7.13e-05		104.1	28.03	24.09	-16.92	5.02	17.86	3.49
93	16	2.00	9.68	6.01e-05	-63.24	0.0	-3.12	-18.50	-6.84	-0.78	9.68	1.35
		-3.33	2.56	-2.79e-05		104.1	-3.12	20.00	-6.84	-1.21	2.56	2.00
93	17	8.99	38.66	2.07e-04	-100.80	0.0	32.11	-35.59	-18.07	3.04	38.66	8.99
		-1.79	19.85	5.77e-05		104.1	32.11	23.88	-18.07	4.62	19.85	3.35
93	18	2.15	6.49	8.11e-05	-63.51	0.0	-7.20	-16.62	-5.69	-0.16	6.49	0.46
		-3.51	0.57	-1.43e-05		104.1	-7.20	20.20	-5.69	-0.81	0.57	2.15
93	19	4.71	1.21	1.74e-06	-64.60	0.0	-24.21	-14.24	-8.27	-1.44	1.21	-2.76
		-5.21	-7.41	9.92e-05		104.1	-24.21	28.60	-8.27	-1.53	-7.41	4.71
93	20	10.98	37.99	7.61e-05	-79.18	0.0	47.38	-34.78	-12.60	-0.66	37.99	10.98
		-1.52	24.87	-1.17e-04		104.1	47.38	15.08	-12.60	-4.10e-03	24.87	0.89
93	21	4.78	2.03	3.45e-06	-64.47	0.0	-23.00	-14.42	-8.62	-1.90	2.03	-2.70
		-5.20	-6.94	9.29e-05		104.1	-23.00	28.78	-8.62	-1.94	-6.94	4.78
93	22	10.92	37.16	7.09e-05	-78.15	0.0	46.16	-34.60	-12.26	-0.20	37.16	10.92
		-1.54	24.40	-1.10e-04		104.1	46.16	14.91	-12.26	0.40	24.40	0.83
93	23	6.58	28.49	1.24e-04	-86.51	0.0	24.76	-29.90	-13.67	-1.29	28.49	6.58
		-1.97	14.27	8.59e-06		104.1	24.76	23.50	-13.67	-0.37	14.27	3.52
93	24	2.09	10.70	5.00e-05	-63.40	0.0	-1.59	-19.12	-7.21	-0.81	10.70	1.64
		-3.25	3.20	-2.59e-05		104.1	-1.59	20.19	-7.21	-1.16	3.20	2.09
93	25	7.38	31.35	1.43e-04	-90.41	0.0	28.41	-31.58	-14.69	-1.85	31.35	7.38
		-1.89	16.06	-9.14e-06		104.1	28.41	23.31	-14.69	-0.73	16.06	3.39
93	26	2.22	7.85	6.88e-05	-63.65	0.0	-5.25	-17.44	-6.19	-0.25	7.85	0.84
		-3.40	1.41	-1.37e-05		104.1	-5.25	20.37	-6.19	-0.81	1.41	2.22
94	1	9.68	-0.12	3.97e-05	-79.16	0.0	-5.58	-34.04	-2.01	-3.19	-0.12	9.68
		-2.14	-2.21	1.03e-05		104.1	-5.58	16.66	-2.01	-3.00	-2.21	0.72
94	2	11.36	-2.22	6.77e-05	-94.90	0.0	-10.48	-40.70	-3.00	-5.08	-2.22	11.36
		-2.38	-5.34	2.46e-05		104.1	-10.48	21.46	-3.00	-4.73	-5.34	1.50
94	3	6.41	1.19	1.34e-05	-51.20	0.0	-1.28	-22.09	-0.93	-1.29	1.19	6.41
		-1.51	0.22	0.0		104.1	-1.28	9.86	-0.93	-1.24	0.22	0.08
94	4	8.09	-0.90	4.13e-05	-66.94	0.0	-6.18	-28.75	-1.93	-3.18	-0.90	8.09
		-1.73	-2.91	1.34e-05		104.1	-6.18	14.66	-1.93	-2.97	-2.91	0.85
94	5	7.31	0.08	2.83e-05	-59.60	0.0	-3.89	-25.64	-1.46	-2.30	0.08	7.31
		-1.63	-1.45	6.75e-06		104.1	-3.89	12.42	-1.46	-2.17	-1.45	0.49
94	6	8.43	-1.32	4.69e-05	-70.09	0.0	-7.16	-30.08	-2.13	-3.56	-1.32	8.43
		-1.78	-3.53	1.63e-05		104.1	-7.16	15.62	-2.13	-3.32	-3.53	1.01
94	7	7.31	0.08	2.83e-05	-59.60	0.0	-3.89	-25.64	-1.46	-2.30	0.08	7.31
		-1.63	-1.45	6.75e-06		104.1	-3.89	12.42	-1.46	-2.17	-1.45	0.49

94	8	8.09	-0.90	4.13e-05	-66.94	0.0	-6.18	-28.75	-1.93	-3.18	-0.90	8.09
		-1.73	-2.91	1.34e-05		104.1	-6.18	14.66	-1.93	-2.97	-2.91	0.85
94	9	7.31	0.08	2.83e-05	-59.60	0.0	-3.89	-25.64	-1.46	-2.30	0.08	7.31
		-1.63	-1.45	6.75e-06		104.1	-3.89	12.42	-1.46	-2.17	-1.45	0.49
94	10	7.98	-0.76	3.94e-05	-65.89	0.0	-5.85	-28.30	-1.86	-3.05	-0.76	7.98
		-1.72	-2.70	1.25e-05		104.1	-5.85	14.34	-1.86	-2.86	-2.70	0.80
94	11	5.58	-20.23	4.29e-05	-65.62	0.0	-8.36	-18.78	0.28	-2.95	-20.52	3.25
		-1.10	-20.52	-4.46e-06		104.1	-8.36	23.09	0.28	-2.68	-20.23	5.58
94	12	10.42	9.53	8.66e-05	-69.29	0.0	17.78	-32.18	-6.31	-6.04	9.53	10.42
		-2.25	2.96	1.37e-05		104.1	17.78	9.81	-6.31	-5.47	2.96	-1.03
94	13	5.65	-19.80	4.88e-05	-65.89	0.0	-6.61	-18.59	-0.19	-3.36	-19.80	3.20
		-1.07	-20.00	-4.86e-06		104.1	-6.61	23.10	-0.19	-3.05	-20.00	5.65
94	14	10.47	8.81	8.07e-05	-69.02	0.0	16.03	-32.37	-5.84	-5.63	8.81	10.47
		-2.31	2.73	1.41e-05		104.1	16.03	9.80	-5.84	-5.10	2.73	-1.10
94	15	8.26	-8.46	1.89e-04	-74.07	0.0	62.04	-14.67	-9.70	-10.45	-8.46	2.66
		-0.06	-18.55	3.30e-05		104.1	62.04	24.63	-9.70	-9.18	-18.55	8.26
94	16	11.00	1.28	5.95e-05	-70.44	0.0	-52.62	-36.29	3.66	1.46	-2.53	11.00
		-4.49	-2.53	-2.38e-05		104.1	-52.62	8.26	3.66	1.03	1.28	-3.71
94	17	8.74	-7.21	2.10e-04	-75.56	0.0	67.67	-13.68	-11.27	-12.28	-7.21	2.28
		-0.08	-18.94	2.85e-05		104.1	67.67	25.21	-11.27	-10.84	-18.94	8.74
94	18	11.39	1.67	8.04e-05	-72.79	0.0	-58.25	-37.28	5.23	3.30	-3.78	11.39
		-4.85	-3.78	-1.93e-05		104.1	-58.25	7.69	5.23	2.69	1.67	-4.19
94	19	5.80	-7.77	2.81e-06	-65.42	0.0	-27.04	-24.83	2.13	-0.38	-9.98	5.80
		-1.63	-9.98	1.14e-05		104.1	-27.04	18.41	2.13	-0.52	-7.77	2.45
94	20	10.17	8.46	8.17e-05	-68.94	0.0	15.33	-31.77	-5.85	-5.73	8.46	10.17
		-2.18	2.37	1.36e-05		104.1	15.33	10.28	-5.85	-5.20	2.37	-0.84
94	21	5.75	-7.56	2.47e-06	-64.82	0.0	-25.46	-24.66	1.71	-0.75	-9.34	5.75
		-1.59	-9.34	1.11e-05		104.1	-25.46	18.41	1.71	-0.85	-7.56	2.51
94	22	10.21	7.82	7.64e-05	-68.70	0.0	13.76	-31.94	-5.43	-5.36	7.82	10.21
		-2.23	2.16	1.39e-05		104.1	13.76	10.27	-5.43	-4.87	2.16	-0.90
94	23	5.27	0.83	1.28e-04	-70.43	0.0	36.07	-21.15	-6.81	-7.10	0.83	5.27
		-0.27	-6.26	4.50e-05		104.1	36.07	19.79	-6.81	-6.34	-6.26	4.84
94	24	10.69	0.87	4.92e-05	-69.48	0.0	-47.78	-35.46	3.09	0.99	-2.35	10.69
		-4.16	-2.35	-2.01e-05		104.1	-47.78	8.89	3.09	0.63	0.87	-3.24
94	25	5.28	1.95	1.47e-04	-71.76	0.0	41.12	-20.26	-8.22	-8.75	1.95	4.93
		-0.17	-6.61	4.10e-05		104.1	41.12	20.31	-8.22	-7.83	-6.61	5.28
94	26	11.03	1.21	6.80e-05	-71.58	0.0	-52.82	-36.35	4.50	2.64	-3.47	11.03
		-4.48	-3.47	-1.60e-05		104.1	-52.82	8.38	4.50	2.11	1.21	-3.67
95	1	1.45	14.11	-1.02e-05	-73.35	0.0	-54.53	-24.89	-17.45	-10.55	14.11	0.03
		-6.75	-5.92	1.19e-05		114.8	-54.53	27.32	-17.45	-10.56	-5.92	1.45
95	2	2.11	16.00	-4.45e-06	-85.21	0.0	-62.45	-28.75	-20.85	-12.07	16.00	-0.63
		-8.22	-7.94	1.68e-05		114.8	-62.45	33.51	-20.85	-11.96	-7.94	2.11
95	3	0.71	9.69	-1.14e-05	-49.99	0.0	-37.07	-16.77	-11.33	-7.18	9.69	0.42
		-4.31	-3.31	6.08e-06		114.8	-37.07	17.21	-11.33	-7.26	-3.31	0.71
95	4	1.37	11.58	-5.64e-06	-60.98	0.0	-44.99	-20.63	-14.73	-8.70	11.58	-0.23
		-5.75	-5.33	1.11e-05		114.8	-44.99	23.40	-14.73	-8.66	-5.33	1.37
95	5	1.06	10.70	-8.34e-06	-55.45	0.0	-41.30	-18.83	-13.14	-7.99	10.70	0.07
		-5.07	-4.39	8.73e-06		114.8	-41.30	20.51	-13.14	-8.00	-4.39	1.06
95	6	1.50	11.96	-4.49e-06	-63.36	0.0	-46.58	-21.40	-15.41	-9.00	11.96	-0.36
		-6.05	-5.73	1.20e-05		114.8	-46.58	24.63	-15.41	-8.94	-5.73	1.50
95	7	1.06	10.70	-8.34e-06	-55.45	0.0	-41.30	-18.83	-13.14	-7.99	10.70	0.07
		-5.07	-4.39	8.73e-06		114.8	-41.30	20.51	-13.14	-8.00	-4.39	1.06
95	8	1.37	11.58	-5.64e-06	-60.98	0.0	-44.99	-20.63	-14.73	-8.70	11.58	-0.23
		-5.75	-5.33	1.11e-05		114.8	-44.99	23.40	-14.73	-8.66	-5.33	1.37
95	9	1.06	10.70	-8.34e-06	-55.45	0.0	-41.30	-18.83	-13.14	-7.99	10.70	0.07
		-5.07	-4.39	8.73e-06		114.8	-41.30	20.51	-13.14	-8.00	-4.39	1.06
95	10	1.33	11.45	-6.03e-06	-60.19	0.0	-44.46	-20.37	-14.51	-8.60	11.45	-0.19
		-5.65	-5.19	1.07e-05		114.8	-44.46	22.99	-14.51	-8.57	-5.19	1.33
95	11	4.26	5.15	1.44e-05	-58.90	0.0	-11.66	-17.39	-2.34	-6.50	5.15	0.17
		-3.95	2.46	-1.23e-04		114.8	-11.66	24.44	-2.34	-6.42	2.46	4.26
95	12	1.83	9.55	-2.46e-05	-56.73	0.0	-32.38	-21.64	-14.67	-15.11	9.55	1.83
		-5.20	-7.30	1.64e-05		114.8	-32.38	16.79	-14.67	-14.82	-7.30	-1.02
95	13	4.39	4.42	-1.02e-05	-58.35	0.0	-10.17	-16.68	-2.17	-7.19	4.42	-0.09
		-3.94	1.93	-1.27e-04		114.8	-10.17	24.44	-2.17	-7.09	1.93	4.39
95	14	2.09	10.27	-2.03e-05	-57.28	0.0	-33.88	-22.35	-14.84	-14.41	10.27	2.09
		-5.26	-6.76	2.07e-05		114.8	-33.88	16.80	-14.84	-14.16	-6.76	-1.15
95	15	4.93	-4.02	-5.38e-05	-46.81	0.0	78.18	-7.17	13.35	-21.23	-19.35	-1.29
		-2.47	-19.35	-2.18e-04		114.8	78.18	18.25	13.35	-20.41	-4.02	4.93
95	16	3.29	34.04	-4.37e-05	-76.40	0.0	-122.22	-31.86	-30.37	-0.37	34.04	3.29
		-7.25	-0.81	1.11e-04		114.8	-122.22	22.99	-30.37	-0.84	-0.81	-1.69
95	17	4.71	-5.16	-6.65e-05	-45.11	0.0	85.50	-6.00	13.75	-23.99	-20.94	-1.46
		-2.38	-20.94	-2.37e-04		114.8	85.50	17.07	13.75	-23.05	-5.16	4.71
95	18	3.46	35.63	-5.64e-05	-80.20	0.0	-129.54	-33.03	-30.76	2.39	35.63	3.46
		-7.39	0.33	1.31e-04		114.8	-129.54	24.17	-30.76	1.81	0.33	-1.47

95	19	3.43	13.17	-3.35e-05	-66.18	0.0	-55.30	-19.23	-14.36	-2.76	13.17	-2.00
		-6.39	-3.31	5.63e-06		114.8	-55.30	28.54	-14.36	-2.96	-3.31	3.43
95	20	1.62	9.74	-2.14e-05	-57.09	0.0	-33.63	-21.51	-14.66	-14.43	9.74	1.62
		-5.23	-7.08	1.58e-05		114.8	-33.63	17.44	-14.66	-14.17	-7.08	-0.77
95	21	3.55	12.52	-2.97e-05	-65.15	0.0	-53.95	-18.59	-14.21	-3.39	12.52	-2.23
		-6.41	-3.79	1.81e-06		114.8	-53.95	28.53	-14.21	-3.55	-3.79	3.55
95	22	1.86	10.39	-1.76e-05	-57.58	0.0	-34.97	-22.15	-14.81	-13.81	10.39	1.86
		-5.28	-6.60	1.96e-05		114.8	-34.97	17.44	-14.81	-13.58	-6.60	-0.89
95	23	4.03	-8.79	-2.77e-05	-52.46	0.0	25.24	-10.07	-0.29	-15.97	-8.79	-3.31
		-5.08	-9.12	-7.95e-05		114.8	25.24	22.98	-0.29	-15.49	-9.12	4.03
95	24	2.93	31.70	-3.98e-05	-74.58	0.0	-114.16	-30.67	-28.72	-1.22	31.70	2.93
		-7.07	-1.27	1.01e-04		114.8	-114.16	22.99	-28.72	-1.64	-1.27	-1.38
95	25	3.84	-10.14	3.91e-05	-50.93	0.0	31.79	-9.02	0.07	-18.44	-10.22	-3.46
		-4.99	-10.22	-9.69e-05		114.8	31.79	21.92	0.07	-17.86	-10.14	3.84
95	26	3.09	33.13	-5.12e-05	-77.99	0.0	-120.72	-31.72	-29.08	1.25	33.13	3.09
		-7.19	-0.25	1.18e-04		114.8	-120.72	24.05	-29.08	0.73	-0.25	-1.18
96	1	6.59	-3.53	6.11e-06	-74.35	0.0	-64.46	-1.18	5.80	-3.50	-8.46	-8.80
		-8.80	-8.46	2.17e-06		85.0	-64.46	37.40	5.80	-3.64	-3.53	6.59
96	2	8.32	-3.74	1.23e-05	-85.09	0.0	-74.46	0.11	4.92	-7.73	-7.92	-11.43
		-11.43	-7.92	-1.22e-05		85.0	-74.46	46.40	4.92	-7.80	-3.74	8.32
96	3	4.00	-2.58	0.0	-50.58	0.0	-43.43	-1.70	5.01	-0.09	-6.84	-5.15
		-5.20	-6.84	9.84e-06		85.0	-43.43	23.23	5.01	-0.24	-2.58	4.00
96	4	5.73	-2.79	7.08e-06	-61.32	0.0	-53.43	-0.41	4.12	-4.32	-6.30	-7.78
		-7.78	-6.30	-4.05e-06		85.0	-53.43	32.23	4.12	-4.40	-2.79	5.73
96	5	4.93	-2.70	4.19e-06	-56.31	0.0	-48.77	-1.01	4.54	-2.34	-6.55	-6.55
		-6.56	-6.55	2.51e-06		85.0	-48.77	28.03	4.54	-2.46	-2.70	4.93
96	6	6.08	-2.84	8.32e-06	-63.47	0.0	-55.43	-0.15	3.95	-5.17	-6.19	-8.30
		-8.30	-6.19	-6.83e-06		85.0	-55.43	34.03	3.95	-5.23	-2.84	6.08
96	7	4.93	-2.70	4.19e-06	-56.31	0.0	-48.77	-1.01	4.54	-2.34	-6.55	-6.55
		-6.56	-6.55	2.51e-06		85.0	-48.77	28.03	4.54	-2.46	-2.70	4.93
96	8	5.73	-2.79	7.08e-06	-61.32	0.0	-53.43	-0.41	4.12	-4.32	-6.30	-7.78
		-7.78	-6.30	-4.05e-06		85.0	-53.43	32.23	4.12	-4.40	-2.79	5.73
96	9	4.93	-2.70	4.19e-06	-56.31	0.0	-48.77	-1.01	4.54	-2.34	-6.55	-6.55
		-6.56	-6.55	2.51e-06		85.0	-48.77	28.03	4.54	-2.46	-2.70	4.93
96	10	5.62	-2.78	6.67e-06	-60.61	0.0	-52.77	-0.50	4.18	-4.04	-6.34	-7.60
		-7.60	-6.34	-3.12e-06		85.0	-52.77	31.63	4.18	-4.12	-2.78	5.62
96	11	8.43	19.69	3.51e-06	-57.38	0.0	-32.96	7.09	-3.88	0.83	19.69	-10.59
		-10.59	16.40	-4.09e-05		85.0	-32.96	37.65	-3.88	0.82	16.40	8.43
96	12	3.87	-9.75	2.93e-05	-56.35	0.0	-34.19	-4.56	11.25	-4.34	-19.31	-4.81
		-5.10	-19.31	1.29e-05		85.0	-34.19	25.08	11.25	-4.33	-9.75	3.87
96	13	8.51	19.66	0.0	-56.65	0.0	-31.21	7.44	-3.78	0.89	19.66	-10.65
		-10.65	16.44	-4.25e-05		85.0	-31.21	37.63	-3.78	0.89	16.44	8.51
96	14	3.79	-9.79	2.62e-05	-56.99	0.0	-35.93	-4.92	11.16	-4.40	-19.27	-4.75
		-5.09	-19.27	1.45e-05		85.0	-35.93	25.10	11.16	-4.41	-9.79	3.79
96	15	9.66	19.36	4.19e-05	-47.30	0.0	72.97	10.81	4.04	6.50	15.93	-8.34
		-8.34	15.93	-4.29e-05		85.0	72.97	31.68	4.04	6.83	19.36	9.66
96	16	2.65	-12.71	1.61e-05	-73.83	0.0	-140.11	-8.28	3.34	-10.01	-15.55	-7.05
		-7.78	-15.55	1.49e-05		85.0	-140.11	31.05	3.34	-10.34	-12.71	2.65
96	17	9.53	19.61	-5.11e-05	-46.07	0.0	77.37	11.53	4.26	6.77	15.98	-8.54
		-8.54	15.98	-4.85e-05		85.0	77.37	31.14	4.26	7.14	19.61	9.53
96	18	2.78	-12.95	2.53e-05	-76.06	0.0	-144.52	-9.00	3.11	-10.28	-15.60	-6.86
		-7.69	-15.60	2.05e-05		85.0	-144.52	31.59	3.11	-10.65	-12.95	2.78
96	19	7.19	5.29	1.36e-05	-64.56	0.0	-69.42	3.15	-2.15	-3.77	5.29	-10.11
		-10.11	3.46	-1.75e-05		85.0	-69.42	37.50	-2.15	-3.93	3.46	7.19
96	20	4.05	-9.02	2.70e-05	-56.79	0.0	-36.11	-4.14	10.52	-4.31	-17.97	-5.10
		-5.34	-17.97	1.12e-05		85.0	-36.11	25.76	10.52	-4.31	-9.02	4.05
96	21	7.25	5.26	1.09e-05	-63.91	0.0	-67.85	3.47	-2.07	-3.71	5.26	-10.17
		-10.17	3.50	-1.90e-05		85.0	-67.85	37.49	-2.07	-3.86	3.50	7.25
96	22	3.98	-9.06	2.42e-05	-57.36	0.0	-37.68	-4.46	10.43	-4.36	-17.93	-5.04
		-5.32	-17.93	1.27e-05		85.0	-37.68	25.77	10.43	-4.38	-9.06	3.98
96	23	8.28	6.12	2.71e-05	-51.95	0.0	25.53	6.48	4.94	1.31	1.92	-8.10
		-8.10	1.92	-1.93e-05		85.0	25.53	32.15	4.94	1.45	6.12	8.28
96	24	2.95	-11.68	1.37e-05	-72.46	0.0	-131.06	-7.47	3.43	-9.39	-14.59	-7.11
		-7.72	-14.59	1.30e-05		85.0	-131.06	31.11	3.43	-9.70	-11.68	2.95
96	25	8.17	6.34	-3.54e-05	-50.84	0.0	29.48	7.13	5.14	1.55	1.97	-8.27
		-8.27	1.97	-2.43e-05		85.0	29.48	31.67	5.14	1.73	6.34	8.17
96	26	3.07	-11.90	2.20e-05	-74.44	0.0	-135.01	-8.12	3.22	-9.63	-14.64	-6.94
		-7.63	-14.64	1.81e-05		85.0	-135.01	31.59	3.22	-9.97	-11.90	3.07
97	1	12.97	3.43	-2.50e-05	-75.55	0.0	-42.47	-19.52	6.06	2.93	-4.78	-2.97
		-7.10	-4.78	1.99e-06		135.4	-42.47	43.21	6.06	2.70	3.43	12.97
97	2	15.84	5.16	-3.68e-05	-87.43	0.0	-41.28	-24.56	6.64	-0.03	-3.84	-2.19
		-7.59	-3.84	-1.81e-05		135.4	-41.28	51.40	6.64	-0.16	5.16	15.84
97	3	8.21	1.57	-1.19e-05	-50.90	0.0	-33.39	-11.90	4.30	4.08	-4.25	-2.77
		-5.16	-4.25	1.39e-05		135.4	-33.39	28.19	4.30	3.84	1.57	8.21

97	4	11.08	3.30	-2.38e-05	-62.68	0.0	-32.21	-16.95	4.89	1.11	-3.31	-1.99
		-5.65	-3.31	-6.19e-06		135.4	-32.21	36.39	4.89	0.98	3.30	11.08
97	5	9.74	2.49	-1.82e-05	-57.14	0.0	-32.76	-14.60	4.61	2.50	-3.75	-2.35
		-5.42	-3.75	3.18e-06		135.4	-32.76	32.56	4.61	2.32	2.49	9.74
97	6	11.65	3.65	-2.62e-05	-65.06	0.0	-31.98	-17.96	5.00	0.52	-3.12	-1.83
		-5.75	-3.12	-1.02e-05		135.4	-31.98	38.03	5.00	0.41	3.65	11.65
97	7	9.74	2.49	-1.82e-05	-57.14	0.0	-32.76	-14.60	4.61	2.50	-3.75	-2.35
		-5.42	-3.75	3.18e-06		135.4	-32.76	32.56	4.61	2.32	2.49	9.74
97	8	11.08	3.30	-2.38e-05	-62.68	0.0	-32.21	-16.95	4.89	1.11	-3.31	-1.99
		-5.65	-3.31	-6.19e-06		135.4	-32.21	36.39	4.89	0.98	3.30	11.08
97	9	9.74	2.49	-1.82e-05	-57.14	0.0	-32.76	-14.60	4.61	2.50	-3.75	-2.35
		-5.42	-3.75	3.18e-06		135.4	-32.76	32.56	4.61	2.32	2.49	9.74
97	10	10.89	3.19	-2.30e-05	-61.89	0.0	-32.29	-16.62	4.85	1.31	-3.38	-2.04
		-5.62	-3.38	-4.85e-06		135.4	-32.29	35.84	4.85	1.17	3.19	10.89
97	11	14.67	26.80	3.06e-06	-58.78	0.0	-16.25	-7.58	-2.22	14.90	26.80	-7.77
		-8.54	23.80	1.22e-04		135.4	-16.25	40.75	-2.22	15.05	23.80	14.67
97	12	8.74	-3.86	-5.65e-05	-61.22	0.0	-12.06	-20.85	7.83	0.70	-14.46	2.27
		-3.48	-14.46	5.37e-06		135.4	-12.06	30.71	7.83	0.62	-3.86	8.74
97	13	14.76	26.72	-7.35e-06	-58.75	0.0	-15.02	-7.50	-2.29	14.86	26.72	-7.64
		-8.40	23.62	1.20e-04		135.4	-15.02	40.65	-2.29	15.03	23.62	14.76
97	14	8.65	-3.69	-5.20e-05	-61.38	0.0	-13.30	-20.93	7.90	0.74	-14.38	2.14
		-3.62	-14.38	6.60e-06		135.4	-13.30	30.82	7.90	0.64	-3.69	8.65
97	15	14.71	24.72	-5.62e-05	-54.33	0.0	96.97	-5.30	7.40	26.38	14.70	-3.90
		-4.40	14.70	1.71e-04		135.4	96.97	33.10	7.40	27.01	24.72	14.71
97	16	8.70	-2.36	3.24e-06	-73.56	0.0	-125.29	-23.13	-1.79	-10.78	-2.36	-1.60
		-7.49	-4.78	-4.75e-05		135.4	-125.29	38.37	-1.79	-11.34	-4.78	8.70
97	17	14.59	23.65	-7.09e-05	-54.02	0.0	99.15	-5.14	7.09	25.45	14.05	-3.69
		-4.18	14.05	1.57e-04		135.4	99.15	32.54	7.09	26.10	23.65	14.59
97	18	8.82	-1.71	-1.15e-05	-74.14	0.0	-127.47	-23.29	-1.48	-9.85	-1.71	-1.80
		-7.69	-3.71	-3.42e-05		135.4	-127.47	38.92	-1.48	-10.43	-3.71	8.82
97	19	12.81	9.50	-7.02e-06	-62.91	0.0	-50.42	-12.82	2.17	1.86	6.56	-5.90
		-7.98	6.56	-1.10e-05		135.4	-50.42	40.44	2.17	1.67	9.50	12.81
97	20	8.96	-3.13	-5.30e-05	-61.29	0.0	-14.16	-20.41	7.52	0.76	-13.32	1.82
		-3.68	-13.32	4.57e-06		135.4	-14.16	31.25	7.52	0.67	-3.13	8.96
97	21	12.90	9.34	-3.05e-06	-62.64	0.0	-49.32	-12.75	2.11	1.82	6.49	-5.79
		-7.85	6.49	-1.28e-05		135.4	-49.32	40.34	2.11	1.64	9.34	12.90
97	22	8.88	-2.97	-4.90e-05	-61.43	0.0	-15.27	-20.48	7.59	0.80	-13.24	1.71
		-3.81	-13.24	5.64e-06		135.4	-15.27	31.34	7.59	0.70	-2.97	8.88
97	23	12.85	10.33	-4.08e-05	-56.09	0.0	51.07	-10.78	10.80	12.15	-4.29	-2.43
		-4.23	-4.29	3.34e-05		135.4	51.07	33.58	10.80	12.39	10.33	12.85
97	24	8.93	-2.46	-5.20e-06	-72.35	0.0	-115.65	-22.46	-1.10	-9.53	-2.46	-1.65
		-7.29	-3.96	-4.31e-05		135.4	-115.65	38.10	-1.10	-10.05	-3.96	8.93
97	25	12.74	9.37	-5.39e-05	-55.81	0.0	53.02	-10.63	10.52	11.31	-4.87	-2.25
		-4.03	-4.87	2.15e-05		135.4	53.02	33.08	10.52	11.57	9.37	12.74
97	26	9.03	-1.88	-7.95e-06	-72.87	0.0	-117.60	-22.60	-0.82	-8.69	-1.88	-1.83
		-7.46	-3.00	-3.12e-05		135.4	-117.60	38.60	-0.82	-9.23	-3.00	9.03
98	1	10.53	-0.15	2.75e-05	-77.68	0.0	-1.21	-38.83	-0.01	0.84	-0.15	10.50
		-5.00	-0.17	6.56e-06		159.4	-1.21	39.05	-0.01	0.77	-0.17	10.53
98	2	13.11	0.68	3.77e-05	-91.06	0.0	6.66	-47.52	-0.41	0.31	0.68	13.11
		-5.90	0.04	2.14e-05		159.4	6.66	47.58	-0.41	0.32	0.04	12.97
98	3	6.60	-0.26	1.49e-05	-51.57	0.0	-5.77	-24.53	0.23	0.97	-0.63	6.47
		-3.29	-0.63	-4.06e-06		159.4	-5.77	24.78	0.23	0.88	-0.26	6.60
98	4	9.08	0.21	2.51e-05	-64.87	0.0	2.10	-33.21	-0.16	0.44	0.21	9.08
		-4.19	-0.05	1.07e-05		159.4	2.10	33.32	-0.16	0.42	-0.05	9.04
98	5	7.90	-0.15	2.03e-05	-58.66	0.0	-1.58	-29.16	0.02	0.69	-0.18	7.86
		-3.77	-0.18	3.83e-06		159.4	-1.58	29.33	0.02	0.63	-0.15	7.90
98	6	9.60	0.37	2.71e-05	-67.53	0.0	3.67	-34.95	-0.24	0.34	0.37	9.60
		-4.37	-0.01	1.37e-05		159.4	3.67	35.03	-0.24	0.33	-0.01	9.53
98	7	7.90	-0.15	2.03e-05	-58.66	0.0	-1.58	-29.16	0.02	0.69	-0.18	7.86
		-3.77	-0.18	3.83e-06		159.4	-1.58	29.33	0.02	0.63	-0.15	7.90
98	8	9.08	0.21	2.51e-05	-64.87	0.0	2.10	-33.21	-0.16	0.44	0.21	9.08
		-4.19	-0.05	1.07e-05		159.4	2.10	33.32	-0.16	0.42	-0.05	9.04
98	9	7.90	-0.15	2.03e-05	-58.66	0.0	-1.58	-29.16	0.02	0.69	-0.18	7.86
		-3.77	-0.18	3.83e-06		159.4	-1.58	29.33	0.02	0.63	-0.15	7.90
98	10	8.91	0.15	2.44e-05	-63.98	0.0	1.57	-32.63	-0.14	0.48	0.15	8.91
		-4.13	-0.07	9.75e-06		159.4	1.57	32.75	-0.14	0.45	-0.07	8.87
98	11	12.69	-7.15	9.61e-06	-62.17	0.0	45.28	-23.77	-1.17	-2.25	-7.15	5.25
		-2.64	-9.01	1.40e-04		159.4	45.28	33.06	-1.17	-1.38	-9.01	12.69
98	12	13.62	-1.22	5.99e-05	-67.54	0.0	-11.35	-40.26	0.51	-0.43	-2.03	13.62
		-5.22	-2.03	-7.37e-05		159.4	-11.35	28.86	0.51	-0.47	-1.22	4.24
98	13	12.47	-7.56	4.95e-06	-62.42	0.0	43.65	-24.26	-1.25	-2.48	-7.56	5.49
		-2.69	-9.55	1.30e-04		159.4	43.65	33.00	-1.25	-1.62	-9.55	12.47
98	14	13.38	-0.68	5.53e-05	-67.09	0.0	-9.73	-39.77	0.59	-0.20	-1.61	13.38
		-5.12	-1.61	-6.29e-05		159.4	-9.73	28.92	0.59	-0.23	-0.68	4.46

98	15	12.82	-0.72	1.82e-05	-61.96	0.0	111.63	-29.62	-1.29	-7.30	-0.72	12.82
		-0.96	-2.78	1.51e-04		159.4	111.63	21.27	-1.29	-5.65	-2.78	6.07
98	16	10.86	-7.45	3.21e-05	-76.09	0.0	-77.70	-34.41	0.63	4.62	-8.45	6.05
		-6.56	-8.45	-8.39e-05		159.4	-77.70	40.66	0.63	3.81	-7.45	10.86
98	17	13.24	-1.15	3.60e-05	-62.64	0.0	106.89	-30.78	-1.65	-7.86	-1.15	13.24
		-1.27	-3.79	1.22e-04		159.4	106.89	21.55	-1.65	-6.27	-3.79	5.70
98	18	11.24	-6.44	1.43e-05	-74.47	0.0	-72.96	-33.25	0.99	5.17	-8.02	5.63
		-6.35	-8.02	-5.55e-05		159.4	-72.96	40.38	0.99	4.43	-6.44	11.24
98	19	13.03	2.10	7.41e-06	-61.19	0.0	13.15	-25.80	-0.71	1.30	2.10	4.68
		-3.83	0.97	8.45e-05		159.4	13.15	36.23	-0.71	1.27	0.97	13.03
98	20	13.13	-1.10	5.62e-05	-67.17	0.0	-10.01	-39.47	0.44	-0.34	-1.80	13.13
		-5.09	-1.80	-6.50e-05		159.4	-10.01	29.26	0.44	-0.37	-1.10	4.72
98	21	12.83	1.73	3.23e-06	-61.43	0.0	11.70	-26.24	-0.78	1.09	1.73	4.90
		-3.87	0.48	7.49e-05		159.4	11.70	36.18	-0.78	1.06	0.48	12.83
98	22	12.92	-0.62	5.21e-05	-66.77	0.0	-8.56	-39.03	0.51	-0.13	-1.43	12.92
		-4.99	-1.43	-5.53e-05		159.4	-8.56	29.32	0.51	-0.16	-0.62	4.92
98	23	11.47	7.86	1.75e-05	-60.70	0.0	72.63	-31.04	-0.82	-3.23	7.86	11.47
		-2.12	6.55	9.37e-05		159.4	72.63	25.66	-0.82	-2.56	6.55	7.09
98	24	10.66	-6.68	3.13e-05	-74.83	0.0	-69.49	-34.23	0.55	4.19	-7.56	6.35
		-6.28	-7.56	-7.42e-05		159.4	-69.49	39.84	0.55	3.46	-6.68	10.66
98	25	11.84	7.47	3.34e-05	-61.59	0.0	68.38	-32.08	-1.15	-3.73	7.47	11.84
		-2.39	5.65	6.82e-05		159.4	68.38	25.91	-1.15	-3.11	5.65	6.76
98	26	10.99	-5.78	1.54e-05	-73.32	0.0	-65.23	-33.18	0.88	4.69	-7.17	5.97
		-6.10	-7.17	-4.87e-05		159.4	-65.23	39.59	0.88	4.01	-5.78	10.99
99	1	12.27	-0.51	7.24e-06	-80.31	0.0	-0.33	-38.06	1.51	2.65	-2.95	6.53
		-7.56	-2.95	-1.05e-05		162.1	-0.33	45.20	1.51	2.63	-0.51	12.27
99	2	15.00	-2.10	3.60e-05	-96.01	0.0	6.27	-47.46	4.38	4.88	-9.20	8.96
		-8.85	-9.20	-2.32e-05		162.1	6.27	55.15	4.38	4.90	-2.10	15.00
99	3	7.76	1.57	1.21e-05	-52.92	0.0	-4.31	-23.50	-0.61	0.67	1.57	3.53
		-5.02	0.58	0.0		162.1	-4.31	28.64	-0.61	0.62	0.58	7.76
99	4	10.49	-1.01	1.66e-05	-67.79	0.0	2.28	-32.89	2.26	2.90	-4.68	5.96
		-6.31	-4.68	-1.29e-05		162.1	2.28	38.60	2.26	2.90	-1.01	10.49
99	5	9.22	-0.27	3.21e-06	-60.60	0.0	-0.79	-28.51	0.92	1.86	-1.76	4.82
		-5.71	-1.76	-7.00e-06		162.1	-0.79	33.95	0.92	1.83	-0.27	9.22
99	6	11.04	-1.32	2.24e-05	-70.95	0.0	3.60	-34.77	2.84	3.34	-5.93	6.44
		-6.57	-5.93	-1.55e-05		162.1	3.60	40.59	2.84	3.35	-1.32	11.04
99	7	9.22	-0.27	3.21e-06	-60.60	0.0	-0.79	-28.51	0.92	1.86	-1.76	4.82
		-5.71	-1.76	-7.00e-06		162.1	-0.79	33.95	0.92	1.83	-0.27	9.22
99	8	10.49	-1.01	1.66e-05	-67.79	0.0	2.28	-32.89	2.26	2.90	-4.68	5.96
		-6.31	-4.68	-1.29e-05		162.1	2.28	38.60	2.26	2.90	-1.01	10.49
99	9	9.22	-0.27	3.21e-06	-60.60	0.0	-0.79	-28.51	0.92	1.86	-1.76	4.82
		-5.71	-1.76	-7.00e-06		162.1	-0.79	33.95	0.92	1.83	-0.27	9.22
99	10	10.31	-0.90	1.47e-05	-66.74	0.0	1.84	-32.27	2.07	2.75	-4.26	5.80
		-6.23	-4.26	-1.21e-05		162.1	1.84	37.93	2.07	2.74	-0.90	10.31
99	11	16.38	-1.68	8.95e-05	-59.24	0.0	50.02	-34.89	19.62	6.73	-33.47	16.38
		-1.31	-33.47	-1.38e-04		162.1	50.02	21.89	19.62	6.99	-1.68	5.38
99	12	9.83	21.70	1.77e-05	-74.44	0.0	-24.40	-37.70	-12.27	-1.65	21.70	6.77
		-7.72	1.80	7.67e-05		162.1	-24.40	41.37	-12.27	-1.84	1.80	9.83
99	13	16.16	-1.36	8.43e-05	-59.87	0.0	48.03	-35.13	18.61	6.62	-31.52	16.16
		-1.42	-31.52	-1.40e-04		162.1	48.03	22.71	18.61	6.86	-1.36	5.66
99	14	9.55	19.74	-1.24e-05	-73.44	0.0	-22.41	-37.46	-11.26	-1.54	19.74	6.98
		-7.53	1.48	7.88e-05		162.1	-22.41	40.55	-11.26	-1.71	1.48	9.55
99	15	29.29	-6.58	1.51e-04	-58.40	0.0	64.89	-46.66	19.49	2.00	-38.16	29.29
		-3.45	-38.16	-3.55e-05		162.1	64.89	8.43	19.49	2.24	-6.58	-2.48
99	16	17.69	26.39	7.92e-05	-76.89	0.0	-39.27	-25.93	-12.14	3.08	26.39	-6.14
		-12.79	6.70	-2.78e-05		162.1	-39.27	54.83	-12.14	2.91	6.70	17.69
99	17	28.19	-5.75	1.33e-04	-60.54	0.0	57.73	-47.26	17.01	0.68	-33.31	28.19
		-3.17	-33.31	-5.51e-05		162.1	57.73	11.64	17.01	0.83	-5.75	-1.37
99	18	16.58	21.54	6.11e-05	-73.34	0.0	-32.11	-25.33	-9.67	4.41	21.54	-5.04
		-11.71	5.87	-1.34e-05		162.1	-32.11	51.62	-9.67	4.32	5.87	16.58
99	19	10.74	-3.32	4.37e-05	-62.25	0.0	25.37	-27.40	14.93	6.69	-27.53	4.92
		-4.94	-27.53	-9.17e-05		162.1	25.37	34.86	14.93	6.85	-3.32	10.74
99	20	9.88	19.01	1.43e-05	-73.60	0.0	-21.68	-37.14	-10.79	-1.19	19.01	6.67
		-7.56	1.52	6.75e-05		162.1	-21.68	41.01	-10.79	-1.36	1.52	9.88
99	21	10.99	-3.04	3.90e-05	-62.81	0.0	23.58	-27.61	14.03	6.59	-25.77	4.73
		-5.13	-25.77	-9.35e-05		162.1	23.58	35.59	14.03	6.73	-3.04	10.99
99	22	9.63	17.25	9.60e-06	-72.71	0.0	-19.90	-36.92	-9.88	-1.09	17.25	6.86
		-7.39	1.24	6.93e-05		162.1	-19.90	40.28	-9.88	-1.25	1.24	9.63
99	23	16.50	-7.72	9.89e-05	-61.49	0.0	38.70	-37.95	14.82	2.45	-31.73	16.50
		-3.07	-31.73	1.51e-05		162.1	38.70	22.79	14.82	2.59	-7.72	3.70
99	24	16.92	23.21	6.95e-05	-75.80	0.0	-35.01	-26.59	-10.67	3.05	23.21	-4.91
		-11.98	5.92	-2.58e-05		162.1	-35.01	53.08	-10.67	2.90	5.92	16.92
99	25	15.51	-6.97	8.27e-05	-63.41	0.0	32.28	-38.49	12.59	1.26	-27.38	15.51
		-3.46	-27.38	-1.73e-05		162.1	32.28	25.66	12.59	1.33	-6.97	4.69

99	26	15.93	18.86	5.33e-05	-72.62	0.0	-28.59	-26.05	-8.45	4.24	18.86	-3.92
		-11.01	5.17	-1.25e-05		162.1	-28.59	50.21	-8.45	4.16	5.17	15.93
100	1	8.77	10.60	3.22e-06	-84.11	0.0	28.67	-13.49	0.21	-18.31	10.35	-12.89
		-14.61	10.35	-7.21e-05		120.5	28.67	49.45	0.21	-18.06	10.60	8.77
100	2	10.91	14.96	7.31e-06	-105.28	0.0	49.21	-9.00	0.33	-35.11	14.57	-26.65
		-27.25	14.57	-1.59e-04		120.5	49.21	71.37	0.33	-34.56	14.96	10.91
100	3	5.44	5.46	7.54e-06	-51.67	0.0	9.41	-13.14	0.09	-3.74	5.36	-1.45
		-4.19	5.36	-3.49e-06		120.5	9.41	24.54	0.09	-3.73	5.46	5.44
100	4	7.57	9.83	3.44e-06	-72.84	0.0	29.95	-8.65	0.20	-20.55	9.58	-15.21
		-16.02	9.58	-8.87e-05		120.5	29.95	46.47	0.20	-20.24	9.83	7.57
100	5	6.57	7.79	2.98e-06	-62.96	0.0	20.37	-10.75	0.15	-12.70	7.61	-8.79
		-10.26	7.61	-4.83e-05		120.5	20.37	36.24	0.15	-12.54	7.79	6.57
100	6	8.00	10.71	4.48e-06	-77.08	0.0	34.06	-7.75	0.23	-23.91	10.43	-17.96
		-18.58	10.43	-1.06e-04		120.5	34.06	50.85	0.23	-23.54	10.71	8.00
100	7	6.57	7.79	2.98e-06	-62.96	0.0	20.37	-10.75	0.15	-12.70	7.61	-8.79
		-10.26	7.61	-4.83e-05		120.5	20.37	36.24	0.15	-12.54	7.79	6.57
100	8	7.57	9.83	3.44e-06	-72.84	0.0	29.95	-8.65	0.20	-20.55	9.58	-15.21
		-16.02	9.58	-8.87e-05		120.5	29.95	46.47	0.20	-20.24	9.83	7.57
100	9	6.57	7.79	2.98e-06	-62.96	0.0	20.37	-10.75	0.15	-12.70	7.61	-8.79
		-10.26	7.61	-4.83e-05		120.5	20.37	36.24	0.15	-12.54	7.79	6.57
100	10	7.43	9.54	3.14e-06	-71.43	0.0	28.58	-8.95	0.20	-19.43	9.30	-14.29
		-15.18	9.30	-8.29e-05		120.5	28.58	45.01	0.20	-19.14	9.54	7.43
100	11	5.17	18.48	-4.74e-05	-70.50	0.0	67.88	-19.37	15.64	-12.07	-0.36	-2.16
		-6.62	-0.36	-5.38e-05		120.5	67.88	31.76	15.64	-11.41	18.48	5.17
100	12	6.97	-0.51	-1.79e-05	-73.46	0.0	-4.79	-5.00	-7.39	-28.19	-0.51	-21.72
		-21.96	-9.42	-1.31e-04		120.5	-4.79	52.54	-7.39	-28.23	-9.42	6.97
100	13	5.39	17.66	-4.39e-05	-70.40	0.0	64.40	-18.54	13.54	-12.99	1.35	-3.09
		-7.16	1.35	-6.14e-05		120.5	64.40	32.84	13.54	-12.36	17.66	5.39
100	14	6.74	-2.21	-1.43e-05	-73.20	0.0	-1.31	-5.83	-5.30	-27.27	-2.21	-20.79
		-21.13	-8.60	-1.24e-04		120.5	-1.31	51.47	-5.30	-27.28	-8.60	6.74
100	15	12.13	-6.40	-9.99e-05	-74.83	0.0	69.30	-38.78	29.26	-24.38	-41.65	12.13
		-4.05	-41.65	-2.07e-04		120.5	69.30	17.98	29.26	-23.93	-6.40	-0.69
100	16	12.82	40.79	-7.03e-05	-69.30	0.0	-6.21	14.40	-21.01	-15.88	40.79	-36.02
		-36.02	15.47	2.21e-05		120.5	-6.21	66.33	-21.01	-15.71	15.47	12.82
100	17	5.14	-10.31	-8.64e-05	-74.58	0.0	55.81	-32.49	24.14	-26.26	-39.39	5.14
		-6.03	-39.39	-2.15e-04		120.5	55.81	25.22	24.14	-25.94	-10.31	0.51
100	18	11.63	38.52	-5.69e-05	-68.98	0.0	7.28	8.12	-15.89	-13.99	38.52	-29.02
		-29.02	19.38	3.00e-05		120.5	7.28	59.09	-15.89	-13.70	19.38	11.63
100	19	7.84	26.53	-1.69e-05	-69.75	0.0	58.49	-12.49	7.00	-11.57	18.10	-7.63
		-9.49	18.10	-3.98e-05		120.5	58.49	38.25	7.00	-10.99	26.53	7.84
100	20	7.01	0.51	-1.60e-05	-73.11	0.0	-1.33	-5.41	-6.61	-27.28	0.51	-20.95
		-21.23	-7.45	-1.26e-04		120.5	-1.33	51.76	-6.61	-27.29	-7.45	7.01
100	21	8.04	25.80	-1.37e-05	-69.84	0.0	55.38	-11.75	5.12	-12.39	19.63	-8.46
		-10.09	19.63	-4.65e-05		120.5	55.38	39.22	5.12	-11.84	25.80	8.04
100	22	6.81	-1.02	-1.28e-05	-73.02	0.0	1.79	-6.15	-4.73	-26.46	-1.02	-20.12
		-20.51	-6.72	-1.19e-04		120.5	1.79	50.80	-4.73	-26.44	-6.72	6.81
100	23	5.18	4.23	-6.39e-05	-73.33	0.0	59.77	-29.89	19.21	-22.61	-18.92	5.18
		-4.55	-18.92	-1.77e-04		120.5	59.77	25.90	19.21	-22.21	4.23	2.59
100	24	12.26	37.52	-6.30e-05	-69.52	0.0	-2.60	11.98	-18.81	-16.25	37.52	-33.77
		-33.77	14.85	1.12e-05		120.5	-2.60	64.12	-18.81	-16.07	14.85	12.26
100	25	3.66	0.73	-5.18e-05	-73.62	0.0	47.68	-24.25	14.62	-24.29	-16.89	-1.09
		-7.40	-16.89	-1.84e-04		120.5	47.68	32.39	14.62	-24.01	0.73	3.66
100	26	11.19	35.49	-5.09e-05	-69.23	0.0	9.49	6.35	-14.22	-14.56	35.49	-27.50
		-27.50	18.36	1.83e-05		120.5	9.49	57.63	-14.22	-14.27	18.36	11.19
101	1	2.49	28.59	1.68e-05	-82.33	0.0	9.07	-28.06	-26.14	-5.65	28.59	1.52
		-5.98	-0.25	8.78e-05		110.4	9.07	29.88	-26.14	-5.69	-0.25	2.49
101	2	3.09	48.49	1.91e-06	-100.40	0.0	13.21	-33.40	-41.19	-8.96	48.49	-1.00
		-9.29	3.04	1.28e-04		110.4	13.21	40.81	-41.19	-8.97	3.04	3.09
101	3	2.73	9.75	2.38e-05	-52.20	0.0	4.43	-18.30	-10.85	-2.31	9.75	2.73
		-2.63	-2.22	4.27e-05		110.4	4.43	16.26	-10.85	-2.35	-2.22	1.55
101	4	2.15	29.65	6.06e-06	-70.28	0.0	8.57	-23.64	-25.89	-5.62	29.65	0.20
		-5.85	1.07	8.31e-05		110.4	8.57	27.19	-25.89	-5.64	1.07	2.15
101	5	1.87	20.36	1.44e-05	-61.84	0.0	6.64	-21.15	-18.87	-4.07	20.36	1.38
		-4.34	-0.47	6.42e-05		110.4	6.64	22.09	-18.87	-4.10	-0.47	1.87
101	6	2.26	33.63	2.51e-06	-73.90	0.0	9.40	-24.71	-28.90	-6.28	33.63	-0.31
		-6.52	1.73	9.11e-05		110.4	9.40	29.38	-28.90	-6.29	1.73	2.26
101	7	1.87	20.36	1.44e-05	-61.84	0.0	6.64	-21.15	-18.87	-4.07	20.36	1.38
		-4.34	-0.47	6.42e-05		110.4	6.64	22.09	-18.87	-4.10	-0.47	1.87
101	8	2.15	29.65	6.06e-06	-70.28	0.0	8.57	-23.64	-25.89	-5.62	29.65	0.20
		-5.85	1.07	8.31e-05		110.4	8.57	27.19	-25.89	-5.64	1.07	2.15
101	9	1.87	20.36	1.44e-05	-61.84	0.0	6.64	-21.15	-18.87	-4.07	20.36	1.38
		-4.34	-0.47	6.42e-05		110.4	6.64	22.09	-18.87	-4.10	-0.47	1.87
101	10	2.11	28.32	7.25e-06	-69.07	0.0	8.29	-23.28	-24.89	-5.40	28.32	0.37
		-5.63	0.85	8.04e-05		110.4	8.30	26.46	-24.89	-5.42	0.85	2.11

101	11	5.83	49.69	2.30e-04	-70.13	0.0	30.64	-28.35	-42.18	-5.30	49.69	5.83
		-3.49	3.15	1.47e-04		110.4	30.65	17.38	-42.18	-5.01	3.15	0.33
101	12	2.86	6.52	2.54e-04	-81.83	0.0	-14.99	-20.34	-1.66	-5.09	6.52	-4.82
		-9.11	4.68	-2.96e-05		110.4	-14.99	35.38	-1.66	-5.37	4.68	2.86
101	13	4.94	47.49	2.05e-04	-69.99	0.0	28.17	-27.39	-40.81	-5.45	47.49	4.94
		-3.71	2.44	1.36e-04		110.4	28.17	18.77	-40.81	-5.19	2.44	0.68
101	14	2.52	8.72	2.29e-04	-80.70	0.0	-12.52	-21.30	-3.03	-4.93	8.72	-3.93
		-8.63	5.38	-1.90e-05		110.4	-12.52	34.00	-3.03	-5.19	5.38	2.52
101	15	5.28	47.53	1.03e-05	-76.95	0.0	20.38	-35.23	-20.32	-5.25	47.53	5.28
		-6.94	25.11	-2.29e-05		110.4	20.38	20.88	-20.32	-5.12	25.11	-2.66
101	16	5.86	8.68	1.43e-05	-65.11	0.0	-4.73	-13.47	-23.52	-5.14	8.68	-4.27
		-6.48	-17.28	1.36e-04		110.4	-4.73	31.89	-23.52	-5.26	-17.28	5.86
101	17	3.16	38.83	9.15e-05	-78.88	0.0	12.60	-32.90	-15.38	-5.65	38.83	3.16
		-7.33	21.86	-5.12e-05		110.4	12.60	24.71	-15.38	-5.63	21.86	-1.58
101	18	4.77	17.38	6.69e-05	-62.88	0.0	3.05	-15.80	-28.46	-4.73	17.38	-2.15
		-5.24	-14.03	1.69e-04		110.4	3.05	28.05	-28.46	-4.75	-14.03	4.77
101	19	5.02	47.87	2.14e-04	-67.81	0.0	29.16	-25.92	-45.71	-5.68	47.87	5.02
		-3.01	-2.58	1.79e-04		110.4	29.17	18.47	-45.71	-5.46	-2.58	1.43
101	20	2.78	8.78	2.29e-04	-80.51	0.0	-12.58	-20.65	-4.07	-5.12	8.78	-4.28
		-8.73	4.28	-1.82e-05		110.4	-12.58	34.46	-4.07	-5.38	4.28	2.78
101	21	4.22	45.89	1.92e-04	-67.68	0.0	26.95	-25.06	-44.49	-5.82	45.89	4.22
		-3.24	-3.21	1.69e-04		110.4	26.95	19.71	-44.49	-5.62	-3.21	1.74
101	22	2.47	10.75	2.06e-04	-79.50	0.0	-10.36	-21.51	-5.29	-4.98	10.75	-3.48
		-8.30	4.91	-8.70e-06		110.4	-10.36	33.22	-5.29	-5.21	4.91	2.47
101	23	4.53	45.93	1.20e-06	-73.92	0.0	19.97	-32.08	-26.12	-5.63	45.93	4.53
		-6.03	17.11	3.09e-05		110.4	19.97	21.60	-26.12	-5.56	17.11	-1.26
101	24	5.47	10.71	1.36e-05	-65.52	0.0	-3.38	-14.48	-23.66	-5.16	10.71	-3.79
		-6.32	-15.40	1.30e-04		110.4	-3.38	31.32	-23.66	-5.28	-15.40	5.47
101	25	2.63	38.13	7.37e-05	-76.05	0.0	12.99	-29.99	-21.69	-6.00	38.13	2.63
		-6.49	14.20	-8.59e-06		110.4	12.99	25.04	-21.69	-6.01	14.20	-0.28
101	26	4.49	18.51	5.92e-05	-63.47	0.0	3.59	-16.57	-28.09	-4.80	18.51	-1.89
		-5.25	-12.49	1.60e-04		110.4	3.60	27.89	-28.09	-4.82	-12.49	4.49
102	1	42.28	1.20	-9.19e-05	-56.45	0.0	2.38	-1.41	-1.46	0.99	1.20	-5.48
		-5.48	-1.42	1.77e-05		180.0	2.38	55.17	-1.46	0.97	-1.42	42.28
102	2	58.99	3.00	-1.61e-04	-75.95	0.0	3.67	-1.70	-2.54	1.55	3.00	-11.57
		-11.57	-1.57	2.68e-05		180.0	3.67	81.31	-2.54	1.50	-1.57	58.99
102	3	22.24	-0.18	-2.79e-05	-31.47	0.0	1.04	-0.90	-0.46	0.42	-0.18	-0.46
		-0.47	-1.00	7.99e-06		180.0	1.04	26.35	-0.46	0.42	-1.00	22.24
102	4	38.95	1.62	-9.75e-05	-50.92	0.0	2.33	-1.20	-1.54	0.98	1.62	-6.56
		-6.56	-1.15	1.71e-05		180.0	2.33	52.49	-1.54	0.95	-1.15	38.95
102	5	31.15	0.78	-6.50e-05	-41.83	0.0	1.72	-1.06	-1.03	0.72	0.78	-3.71
		-3.71	-1.08	1.29e-05		180.0	1.72	40.29	-1.03	0.70	-1.08	31.15
102	6	42.29	1.97	-1.11e-04	-54.82	0.0	2.58	-1.26	-1.75	1.09	1.97	-7.78
		-7.78	-1.18	1.89e-05		180.0	2.58	57.72	-1.75	1.06	-1.18	42.29
102	7	31.15	0.78	-6.50e-05	-41.83	0.0	1.72	-1.06	-1.03	0.72	0.78	-3.71
		-3.71	-1.08	1.29e-05		180.0	1.72	40.29	-1.03	0.70	-1.08	31.15
102	8	38.95	1.62	-9.75e-05	-50.92	0.0	2.33	-1.20	-1.54	0.98	1.62	-6.56
		-6.56	-1.15	1.71e-05		180.0	2.33	52.49	-1.54	0.95	-1.15	38.95
102	9	31.15	0.78	-6.50e-05	-41.83	0.0	1.72	-1.06	-1.03	0.72	0.78	-3.71
		-3.71	-1.08	1.29e-05		180.0	1.72	40.29	-1.03	0.70	-1.08	31.15
102	10	37.84	1.50	-9.28e-05	-49.63	0.0	2.24	-1.18	-1.46	0.94	1.50	-6.15
		-6.15	-1.14	1.65e-05		180.0	2.24	50.75	-1.46	0.92	-1.14	37.84
102	11	35.83	1.37	-6.51e-05	-50.86	0.0	-10.28	-0.83	-3.23	-4.97	1.37	-9.74
		-9.74	-4.44	-3.01e-05		180.0	-10.28	51.96	-3.23	-5.10	-4.44	35.83
102	12	34.53	-0.19	-6.15e-05	-50.37	0.0	5.62	0.35	0.98	7.57	-0.19	-12.50
		-12.50	-1.95	6.08e-05		180.0	5.62	52.38	0.98	7.68	-0.19	34.53
102	13	35.35	0.30	-5.97e-05	-50.74	0.0	-10.50	-0.65	-2.89	-4.32	0.30	-10.66
		-10.66	-4.90	-3.25e-05		180.0	-10.50	52.23	-2.89	-4.44	-4.90	35.35
102	14	35.01	0.28	-6.69e-05	-50.27	0.0	5.84	0.17	0.64	6.91	-0.28	-11.58
		-11.58	-0.88	6.32e-05		180.0	5.84	52.11	0.64	7.01	0.28	35.01
102	15	13.59	-1.65	-1.24e-04	-52.78	0.0	-18.25	5.55	-0.69	2.29	-1.65	-46.71
		-46.71	-2.90	4.79e-06		180.0	-18.25	60.60	-0.69	2.36	-2.90	13.59
102	16	56.77	1.07	-2.51e-04	-50.53	0.0	13.59	-6.03	-1.55	0.31	1.07	24.47
		23.74	-1.73	2.65e-05		180.0	13.59	43.74	-1.55	0.22	-1.73	56.77
102	17	8.90	-3.93	-1.55e-04	-53.33	0.0	-19.21	7.22	0.16	4.07	-4.21	-54.55
		-54.55	-4.21	-4.98e-06		180.0	-19.21	62.20	0.16	4.17	-3.93	8.90
102	18	61.46	3.63	-2.82e-04	-51.28	0.0	14.55	-7.71	-2.40	-1.47	3.63	32.31
		31.10	-0.69	3.57e-05		180.0	14.55	42.14	-2.40	-1.59	-0.69	61.46
102	19	40.80	4.59	-1.21e-04	-51.03	0.0	-0.79	-2.55	-3.66	-5.00	4.59	-0.46
		-0.57	-1.99	-2.32e-05		180.0	-0.79	49.29	-3.66	-5.15	-1.99	40.80
102	20	34.87	-0.29	-6.47e-05	-50.28	0.0	5.27	0.19	0.73	6.88	-1.59	-11.85
		-11.85	-1.59	5.62e-05		180.0	5.27	52.21	0.73	6.98	-0.29	34.87
102	21	40.37	3.63	-1.16e-04	-50.91	0.0	-0.99	-2.38	-3.35	-4.41	3.63	-1.29
		-1.38	-2.41	-2.54e-05		180.0	-0.99	49.53	-3.35	-4.55	-2.41	40.37

102	22	35.30	0.13	-6.96e-05	-50.19	0.0	5.47	0.03	0.43	6.29	-0.63	-11.02
		-11.02	-0.63	5.84e-05		180.0	5.47	51.97	0.43	6.38	0.13	35.30
102	23	20.86	1.88	-4.86e-05	-50.55	0.0	-7.93	3.17	-1.39	1.51	1.88	-33.60
		-33.60	-0.62	7.53e-06		180.0	-7.93	57.03	-1.39	1.54	-0.62	20.86
102	24	54.81	1.11	-2.34e-04	-50.44	0.0	12.41	-5.53	-1.54	0.37	1.11	21.30
		20.68	-1.66	2.55e-05		180.0	12.41	44.47	-1.54	0.29	-1.66	54.81
102	25	16.66	-0.42	-7.64e-05	-51.05	0.0	-8.80	4.67	-0.62	3.10	-0.42	-40.63
		-40.63	-1.54	0.0		180.0	-8.80	58.47	-0.62	3.16	-1.54	16.66
102	26	59.01	3.41	-2.62e-04	-51.11	0.0	13.28	-7.03	-2.30	-1.22	3.41	28.32
		27.36	-0.74	3.37e-05		180.0	13.28	43.03	-2.30	-1.33	-0.74	59.01
103	1	124.52	9.60	1.64e-04	-72.53	0.0	12.60	-125.12	3.03	4.00	-5.59	124.52
		-57.59	-5.59	3.88e-05		502.1	12.60	87.43	3.03	3.61	9.60	30.08
103	2	212.28	15.92	5.07e-04	-101.48	0.0	20.16	-190.07	5.43	6.77	-11.36	212.28
		-73.67	-11.36	-2.00e-05		502.1	20.16	102.00	5.43	6.13	15.92	22.88
103	3	41.78	3.49	3.95e-04	-48.86	0.0	5.04	-56.28	0.85	1.38	-0.75	41.78
		-35.94	-0.75	4.96e-05		502.1	5.04	58.29	0.85	1.23	3.49	27.57
103	4	129.54	9.82	1.97e-04	-66.81	0.0	12.60	-121.23	3.25	4.14	-6.52	129.54
		-50.41	-6.52	1.75e-05		502.1	12.60	72.86	3.25	3.75	9.82	20.37
103	5	88.58	6.86	1.27e-04	-54.86	0.0	9.07	-90.92	2.13	2.85	-3.83	88.58
		-43.18	-3.83	3.25e-05		502.1	9.07	66.06	2.13	2.57	6.86	23.73
103	6	147.09	11.08	2.85e-04	-72.66	0.0	14.11	-134.21	3.73	4.70	-7.67	147.09
		-53.67	-7.67	1.11e-05		502.1	14.11	75.77	3.73	4.25	11.08	18.93
103	7	88.58	6.86	1.27e-04	-54.86	0.0	9.07	-90.92	2.13	2.85	-3.83	88.58
		-43.18	-3.83	3.25e-05		502.1	9.07	66.06	2.13	2.57	6.86	23.73
103	8	129.54	9.82	1.97e-04	-66.81	0.0	12.60	-121.23	3.25	4.14	-6.52	129.54
		-50.41	-6.52	1.75e-05		502.1	12.60	72.86	3.25	3.75	9.82	20.37
103	9	88.58	6.86	1.27e-04	-54.86	0.0	9.07	-90.92	2.13	2.85	-3.83	88.58
		-43.18	-3.83	3.25e-05		502.1	9.07	66.06	2.13	2.57	6.86	23.73
103	10	123.68	9.39	1.76e-04	-64.86	0.0	12.10	-116.90	3.09	3.96	-6.14	123.68
		-49.33	-6.14	1.97e-05		502.1	12.10	71.89	3.09	3.58	9.39	20.85
103	11	123.13	18.25	2.16e-04	-65.22	0.0	-13.47	-114.55	8.78	3.75	-25.83	123.13
		-41.76	-25.83	-3.89e-04		502.1	-13.47	72.96	8.78	3.32	18.25	32.55
103	12	121.05	14.15	2.74e-04	-64.97	0.0	11.53	-112.05	-4.83	4.51	14.15	121.05
		-37.45	-10.09	3.62e-04		502.1	11.53	72.96	-4.83	4.24	-10.09	39.34
103	13	122.67	17.84	2.36e-04	-65.24	0.0	-14.39	-113.81	8.63	3.83	-25.51	122.67
		-40.14	-25.51	-3.93e-04		502.1	-14.39	73.12	8.63	3.41	17.84	35.24
103	14	121.51	13.83	2.53e-04	-64.96	0.0	12.45	-112.79	-4.68	4.43	13.83	121.51
		-39.07	-9.69	3.66e-04		502.1	12.45	72.81	-4.68	4.14	-9.69	36.65
103	15	112.67	-4.35	7.33e-04	-65.73	0.0	-43.01	-96.44	-1.07	5.04	-4.35	112.67
		-3.30	-9.73	-1.40e-04		502.1	-43.01	76.15	-1.07	4.80	-9.73	98.84
103	16	131.51	17.88	2.62e-04	-70.56	0.0	41.07	-130.17	5.02	3.22	-7.33	131.51
		-83.04	-7.33	1.13e-04		502.1	41.07	69.77	5.02	2.75	17.88	-26.94
103	17	111.18	-3.18	8.01e-04	-65.73	0.0	-45.77	-93.91	-1.63	5.29	-3.18	111.18
		1.43	-11.38	-1.53e-04		502.1	-45.77	76.57	-1.63	5.09	-11.38	107.73
103	18	133.00	19.53	3.11e-04	-72.69	0.0	43.84	-132.69	5.58	2.97	-8.50	133.00
		-89.83	-8.50	1.26e-04		502.1	43.84	69.36	5.58	2.46	19.53	-35.84
103	19	126.05	26.86	1.81e-04	-64.75	0.0	12.60	-121.24	10.19	3.46	-24.32	126.05
		-60.61	-24.32	-2.87e-04		502.1	12.60	70.92	10.19	2.99	26.86	4.27
103	20	121.32	12.05	2.59e-04	-64.96	0.0	11.59	-112.55	-4.01	4.45	12.05	121.32
		-38.61	-8.07	3.26e-04		502.1	11.59	72.85	-4.01	4.17	-8.07	37.43
103	21	125.63	26.50	1.79e-04	-64.76	0.0	11.78	-120.57	10.06	3.54	-24.03	125.63
		-58.98	-24.03	-2.91e-04		502.1	11.78	71.06	10.06	3.07	26.50	6.68
103	22	121.74	11.76	2.41e-04	-64.95	0.0	12.41	-113.22	-3.88	4.38	11.76	121.74
		-40.05	-7.71	3.31e-04		502.1	12.41	72.72	-3.88	4.08	-7.71	35.02
103	23	116.67	1.79	4.73e-04	-65.20	0.0	-13.88	-105.00	1.37	4.62	-5.07	116.67
		-22.37	-5.07	-6.39e-05		502.1	-13.88	73.78	1.37	4.32	1.79	63.68
103	24	130.70	17.00	2.45e-04	-69.39	0.0	38.07	-128.79	4.82	3.30	-7.20	130.70
		-79.25	-7.20	1.03e-04		502.1	38.07	69.99	4.82	2.84	17.00	-21.99
103	25	115.33	0.30	5.33e-04	-65.21	0.0	-16.35	-102.74	0.86	4.84	-4.02	115.33
		-17.48	-4.02	-7.60e-05		502.1	-16.35	74.16	0.86	4.58	0.30	71.66
103	26	132.04	18.48	2.73e-04	-71.30	0.0	40.55	-131.05	5.33	3.07	-8.26	132.04
		-85.34	-8.26	1.15e-04		502.1	40.55	69.62	5.33	2.58	18.48	-29.97
104	1	43.66	1.02	-1.02e-04	-57.21	0.0	-0.25	-1.33	1.06	1.22	-0.89	-4.49
		-4.49	-0.89	8.86e-06		180.0	-0.25	55.59	1.06	1.28	1.02	43.66
104	2	60.74	2.36	-1.76e-04	-77.08	0.0	2.47	-1.71	1.64	1.77	-0.59	-10.17
		-10.17	-0.59	1.32e-05		180.0	2.47	81.81	1.64	1.88	2.36	60.74
104	3	23.08	-0.04	-3.24e-05	-31.78	0.0	-1.87	-0.79	0.46	0.60	-0.87	0.04
		0.04	-0.87	4.13e-06		180.0	-1.87	26.63	0.46	0.62	-0.04	23.08
104	4	40.15	1.30	-1.07e-04	-51.65	0.0	0.85	-1.17	1.04	1.15	-0.57	-5.64
		-5.64	-0.57	8.50e-06		180.0	0.85	52.85	1.04	1.22	1.30	40.15
104	5	32.18	0.68	-7.22e-05	-42.38	0.0	-0.42	-0.99	0.77	0.89	-0.71	-2.99
		-2.99	-0.71	6.46e-06		180.0	-0.42	40.61	0.77	0.94	0.68	32.18
104	6	43.57	1.57	-1.22e-04	-55.63	0.0	1.40	-1.24	1.16	1.26	-0.51	-6.78
		-6.78	-0.51	9.37e-06		180.0	1.40	58.09	1.16	1.34	1.57	43.57

104	7	32.18	0.68	-7.22e-05	-42.38	0.0	-0.42	-0.99	0.77	0.89	-0.71	-2.99
		-2.99	-0.71	6.46e-06		180.0	-0.42	40.61	0.77	0.94	0.68	32.18
104	8	40.15	1.30	-1.07e-04	-51.65	0.0	0.85	-1.17	1.04	1.15	-0.57	-5.64
		-5.64	-0.57	8.50e-06		180.0	0.85	52.85	1.04	1.22	1.30	40.15
104	9	32.18	0.68	-7.22e-05	-42.38	0.0	-0.42	-0.99	0.77	0.89	-0.71	-2.99
		-2.99	-0.71	6.46e-06		180.0	-0.42	40.61	0.77	0.94	0.68	32.18
104	10	39.01	1.21	-1.02e-04	-50.33	0.0	0.67	-1.14	1.00	1.11	-0.59	-5.26
		-5.26	-0.59	8.21e-06		180.0	0.67	51.10	1.00	1.18	1.21	39.01
104	11	35.50	6.72	-6.46e-05	-50.18	0.0	1.07	0.58	-3.22	-4.60	6.72	-12.29
		-12.29	0.93	-3.78e-05		180.0	1.07	53.01	-3.22	-4.65	0.93	35.50
104	12	37.97	2.67	-7.97e-05	-51.84	0.0	-4.20	-0.97	3.20	7.91	-3.09	-7.58
		-7.58	-3.09	4.76e-05		180.0	-4.20	52.18	3.20	8.11	2.67	37.97
104	13	35.26	5.91	-6.13e-05	-50.08	0.0	0.88	0.64	-2.96	-3.91	5.91	-12.72
		-12.72	0.59	-4.08e-05		180.0	0.88	53.15	-2.96	-3.96	0.59	35.26
104	14	38.21	3.01	-8.30e-05	-51.72	0.0	-4.02	-1.03	2.94	7.23	-2.28	-7.14
		-7.14	-2.28	5.06e-05		180.0	-4.02	52.05	2.94	7.41	3.01	38.21
104	15	15.66	7.43	-1.14e-04	-53.33	0.0	-4.41	7.45	-2.13	5.17	7.43	-48.96
		-48.96	3.60	6.59e-06		180.0	-4.41	63.57	-2.13	5.26	3.60	15.66
104	16	57.81	4.08e-04	-2.58e-04	-50.05	0.0	1.28	-7.84	2.11	-1.85	-3.79	29.09
		29.09	-3.79	3.50e-06		180.0	1.28	41.62	2.11	-1.81	4.08e-04	57.81
104	17	17.43	5.90	-1.17e-04	-53.66	0.0	-4.69	6.48	-1.61	7.03	5.90	-45.86
		-45.86	3.00	-5.62e-06		180.0	-4.69	63.05	-1.61	7.16	3.00	17.43
104	18	56.04	0.61	-2.61e-04	-49.93	0.0	1.56	-6.87	1.59	-3.72	-2.26	26.00
		26.00	-2.26	1.27e-05		180.0	1.56	42.15	1.59	-3.71	0.61	56.04
104	19	39.95	1.65	-1.22e-04	-50.25	0.0	5.05	-1.30	-0.97	-4.98	1.65	-3.19
		-3.19	-0.09	-2.71e-05		180.0	5.05	50.13	-0.97	-5.03	-0.09	39.95
104	20	38.08	2.52	-8.20e-05	-51.68	0.0	-3.70	-0.99	2.97	7.21	-2.83	-7.34
		-7.34	-2.83	4.35e-05		180.0	-3.70	52.07	2.97	7.39	2.52	38.08
104	21	39.74	0.92	-1.19e-04	-50.16	0.0	4.88	-1.24	-0.73	-4.37	0.92	-3.58
		-3.58	-0.40	-2.98e-05		180.0	4.88	50.25	-0.73	-4.41	-0.40	39.74
104	22	38.29	2.82	-8.49e-05	-51.58	0.0	-3.53	-1.05	2.74	6.59	-2.10	-6.95
		-6.95	-2.10	4.62e-05		180.0	-3.53	51.95	2.74	6.77	2.82	38.29
104	23	22.16	2.30	-3.82e-05	-51.15	0.0	0.13	4.86	0.01	3.77	2.28	-36.05
		-36.05	2.28	1.27e-05		180.0	0.13	59.59	0.01	3.86	2.30	22.16
104	24	55.86	0.13	-2.42e-04	-50.08	0.0	1.21	-7.14	1.99	-1.55	-3.46	25.53
		25.53	-3.46	3.73e-06		180.0	1.21	42.61	1.99	-1.50	0.13	55.86
104	25	23.76	1.76	-4.03e-05	-51.45	0.0	-0.12	3.99	0.47	5.44	0.91	-33.28
		-33.28	0.91	4.22e-06		180.0	-0.12	59.13	0.47	5.56	1.76	23.76
104	26	54.27	0.67	-2.44e-04	-49.88	0.0	1.47	-6.28	1.53	-3.22	-2.09	21.96
		21.96	-2.09	1.22e-05		180.0	1.47	43.07	1.53	-3.20	0.67	54.27
105	1	125.94	3.20	1.82e-04	-73.57	0.0	2.69	-127.35	1.51	-4.69	-4.36	125.94
		-125.94	-4.36	-1.20e-04		502.1	2.69	86.22	1.51	-4.13	3.20	-125.94
105	2	214.21	8.84	-4.72e-04	-102.92	0.0	9.94	-193.49	3.84	-7.84	-10.45	214.21
		-214.21	-10.45	-2.54e-04		502.1	9.94	101.35	3.84	-6.91	8.84	-214.21
105	3	42.55	0.39	-4.01e-04	-49.11	0.0	-2.40	-57.25	-0.28	-1.67	0.39	42.55
		-42.55	0.39	-9.70e-06		502.1	-2.40	57.01	-0.28	-1.47	-1.02	-42.55
105	4	130.82	4.63	2.01e-04	-67.65	0.0	4.86	-123.40	2.06	-4.82	-5.70	130.82
		-130.82	-5.70	-1.44e-04		502.1	4.86	72.14	2.06	-4.25	4.63	-130.82
105	5	89.63	1.99	1.41e-04	-55.59	0.0	1.47	-92.53	0.97	-3.35	-2.86	89.63
		-89.63	-2.86	-8.11e-05		502.1	1.47	65.08	0.97	-2.95	1.99	-89.63
105	6	148.48	5.76	2.70e-04	-73.64	0.0	6.31	-136.63	2.52	-5.45	-6.91	148.48
		-148.48	-6.91	-1.70e-04		502.1	6.31	75.17	2.52	-4.80	5.76	-148.48
105	7	89.63	1.99	1.41e-04	-55.59	0.0	1.47	-92.53	0.97	-3.35	-2.86	89.63
		-89.63	-2.86	-8.11e-05		502.1	1.47	65.08	0.97	-2.95	1.99	-89.63
105	8	130.82	4.63	2.01e-04	-67.65	0.0	4.86	-123.40	2.06	-4.82	-5.70	130.82
		-130.82	-5.70	-1.44e-04		502.1	4.86	72.14	2.06	-4.25	4.63	-130.82
105	9	89.63	1.99	1.41e-04	-55.59	0.0	1.47	-92.53	0.97	-3.35	-2.86	89.63
		-89.63	-2.86	-8.11e-05		502.1	1.47	65.08	0.97	-2.95	1.99	-89.63
105	10	124.94	4.25	1.84e-04	-65.66	0.0	4.37	-118.99	1.90	-4.61	-5.29	124.94
		-124.94	-5.29	-1.35e-04		502.1	4.37	71.13	1.90	-4.06	4.25	-124.94
105	11	120.16	40.24	-2.44e-04	-65.97	0.0	-8.96	-112.39	14.39	-4.88	-32.02	120.16
		-120.16	-32.02	-5.49e-04		502.1	-8.96	76.87	14.39	-4.40	40.24	-120.16
105	12	124.27	17.60	1.88e-04	-65.97	0.0	0.35	-117.28	-7.36	-4.07	17.60	124.27
		-124.27	17.60	2.17e-04		502.1	0.35	72.34	-7.36	-3.41	-19.35	124.27
105	13	120.08	39.92	-2.53e-04	-66.02	0.0	-9.26	-112.11	14.24	-4.81	-31.60	120.08
		-120.08	-31.60	-5.54e-04		502.1	-9.26	77.05	14.24	-4.32	39.92	-120.08
105	14	124.34	17.18	1.86e-04	-65.92	0.0	0.65	-117.55	-7.21	-4.14	17.18	124.34
		-124.34	17.18	2.21e-04		502.1	0.65	72.16	-7.21	-3.49	-19.03	124.34
105	15	105.56	20.37	-6.00e-04	-66.74	0.0	-12.87	-94.76	6.76	-3.94	-13.57	105.56
		-105.56	-13.57	-2.89e-04		502.1	-12.87	85.28	6.76	-3.30	20.37	-105.56
105	16	144.80	0.52	2.42e-04	-69.00	0.0	4.27	-134.90	0.27	-5.01	-0.84	144.80
		-144.80	-0.84	-4.35e-05		502.1	4.27	63.93	0.27	-4.52	0.52	-144.80
105	17	108.99	18.61	-6.32e-04	-66.87	0.0	-13.74	-94.84	5.92	-3.71	-11.14	108.99
		-108.99	-11.14	-3.02e-04		502.1	-13.74	84.92	5.92	-3.03	18.61	-108.99

105	18	141.88	2.28	2.61e-04	-70.02	0.0	5.14	-134.83	1.11	-5.23	-3.28	141.88
		-88.20	-3.28	-3.08e-05		502.1	5.14	64.30	1.11	-4.78	2.28	-40.15
105	19	125.54	25.41	1.87e-04	-65.38	0.0	7.97	-120.52	10.20	-5.10	-25.81	125.54
		-58.58	-25.81	-4.50e-04		502.1	7.97	70.05	10.20	-4.64	25.41	6.21
105	20	124.34	15.23	1.87e-04	-65.94	0.0	0.77	-117.46	-6.40	-4.12	15.23	124.34
		-48.70	-16.91	1.80e-04		502.1	0.77	72.22	-6.40	-3.48	-16.91	22.23
105	21	125.47	25.12	1.86e-04	-65.42	0.0	7.71	-120.28	10.07	-5.04	-25.43	125.47
		-57.75	-25.43	-4.53e-04		502.1	7.71	70.21	10.07	-4.57	25.12	7.52
105	22	124.41	14.85	1.86e-04	-65.89	0.0	1.04	-117.70	-6.27	-4.19	14.85	124.41
		-49.53	-16.61	1.84e-04		502.1	1.04	72.05	-6.27	-3.55	-16.61	20.91
105	23	107.14	7.60	-3.86e-04	-66.07	0.0	4.47	-104.73	3.36	-4.25	-9.28	107.14
		-30.49	-9.28	-2.16e-04		502.1	4.47	77.59	3.36	-3.65	7.60	59.88
105	24	142.74	0.90	2.32e-04	-68.08	0.0	4.28	-133.25	0.44	-4.97	-1.30	142.74
		-81.33	-1.30	-5.29e-05		502.1	4.28	64.68	0.44	-4.47	0.90	-31.44
105	25	109.75	6.02	-4.15e-04	-66.19	0.0	3.69	-104.79	2.61	-4.05	-7.10	109.75
		-27.59	-7.10	-2.28e-04		502.1	3.69	77.26	2.61	-3.41	6.02	62.95
105	26	140.13	2.49	2.46e-04	-69.00	0.0	5.06	-133.19	1.19	-5.17	-3.48	140.13
		-84.38	-3.48	-4.16e-05		502.1	5.06	65.00	1.19	-4.71	2.49	-34.51
109	1	8.42	0.67	2.62e-05	-69.40	0.0	22.23	-29.63	3.45	7.30	-3.51	8.42
		-1.96	-3.51	2.58e-06		121.2	22.23	21.87	3.45	7.26	0.67	3.63
109	2	10.68	-0.02	-2.79e-06	-83.26	0.0	23.83	-38.28	5.05	10.27	-6.14	10.68
		-3.11	-6.14	-1.91e-05		121.2	23.83	26.02	5.05	10.34	-0.02	3.24
109	3	5.09	0.94	3.46e-05	-46.01	0.0	16.12	-17.48	1.66	3.79	-1.08	5.09
		-0.80	-1.08	1.53e-05		121.2	16.12	14.26	1.66	3.69	0.94	3.04
109	4	7.34	0.25	1.12e-05	-58.71	0.0	17.72	-26.12	3.27	6.76	-3.71	7.34
		-1.95	-3.71	-6.36e-06		121.2	17.72	18.42	3.27	6.77	0.25	2.64
109	5	6.29	0.57	2.21e-05	-52.32	0.0	16.97	-22.09	2.52	5.37	-2.48	6.29
		-1.41	-2.48	3.76e-06		121.2	16.97	16.48	2.52	5.33	0.57	2.83
109	6	7.80	0.11	-6.48e-06	-61.49	0.0	18.04	-27.85	3.59	7.35	-4.24	7.80
		-2.17	-4.24	-1.07e-05		121.2	18.04	19.25	3.59	7.39	0.11	2.56
109	7	6.29	0.57	2.21e-05	-52.32	0.0	16.97	-22.09	2.52	5.37	-2.48	6.29
		-1.41	-2.48	3.76e-06		121.2	16.97	16.48	2.52	5.33	0.57	2.83
109	8	7.34	0.25	1.12e-05	-58.71	0.0	17.72	-26.12	3.27	6.76	-3.71	7.34
		-1.95	-3.71	-6.36e-06		121.2	17.72	18.42	3.27	6.77	0.25	2.64
109	9	6.29	0.57	2.21e-05	-52.32	0.0	16.97	-22.09	2.52	5.37	-2.48	6.29
		-1.41	-2.48	3.76e-06		121.2	16.97	16.48	2.52	5.33	0.57	2.83
109	10	7.19	0.30	1.27e-05	-57.79	0.0	17.61	-25.54	3.16	6.56	-3.54	7.19
		-1.87	-3.54	-4.92e-06		121.2	17.61	18.14	3.16	6.57	0.30	2.67
109	11	3.85	-9.29	2.74e-05	-65.20	0.0	-75.88	-24.53	1.70	12.41	-11.35	2.97
		-4.22	-11.35	1.82e-05		121.2	-75.88	25.85	1.70	12.41	-9.29	3.85
109	12	8.72	3.32	1.62e-05	-55.31	0.0	78.81	-23.24	4.08	7.22	-1.63	8.72
		-0.21	-1.63	4.36e-05		121.2	78.81	13.53	4.08	7.81	3.32	2.79
109	13	4.10	-8.37	3.42e-05	-64.40	0.0	-76.79	-23.85	2.06	12.55	-10.86	2.61
		-4.22	-10.86	1.28e-05		121.2	-76.79	26.15	2.06	12.62	-8.37	4.10
109	14	9.08	2.40	2.30e-05	-55.25	0.0	79.72	-23.91	3.72	7.08	-2.11	9.08
		-0.29	-2.11	4.91e-05		121.2	79.72	13.24	3.72	7.60	2.40	2.54
109	15	5.85	-0.63	9.44e-05	-65.89	0.0	-57.49	-16.87	7.42	19.29	-9.63	0.36
		-3.61	-9.63	2.99e-05		121.2	-57.49	25.48	7.42	20.54	-0.63	5.85
109	16	11.33	-3.35	8.32e-05	-64.66	0.0	60.42	-30.90	-1.64	0.33	-3.35	11.33
		-1.77	-5.34	3.18e-05		121.2	60.42	13.91	-1.64	-0.32	-5.34	0.79
109	17	6.46	0.51	1.14e-04	-66.77	0.0	-60.94	-14.79	8.58	21.07	-9.89	-0.64
		-3.79	-9.89	2.64e-05		121.2	-60.94	25.95	8.58	22.62	0.51	6.46
109	18	12.33	-3.09	1.03e-04	-69.06	0.0	63.87	-32.98	-2.80	-1.45	-3.09	12.33
		-2.09	-6.48	3.53e-05		121.2	63.87	13.44	-2.80	-2.40	-6.48	0.19
109	19	5.82	-2.41	9.63e-06	-67.83	0.0	-37.24	-27.62	2.34	5.97	-5.25	5.82
		-3.46	-5.25	-4.84e-05		121.2	-37.24	22.27	2.34	5.45	-2.41	2.56
109	20	8.56	3.00	-1.58e-05	-55.57	0.0	72.46	-23.47	3.98	7.15	-1.83	8.56
		-0.38	-1.83	3.85e-05		121.2	72.46	14.01	3.98	7.68	3.00	2.78
109	21	5.51	-1.59	3.54e-06	-67.09	0.0	-38.06	-27.01	2.66	6.10	-4.81	5.51
		-3.42	-4.81	-5.33e-05		121.2	-38.06	22.54	2.66	5.64	-1.59	2.78
109	22	8.88	2.18	2.19e-05	-55.52	0.0	73.28	-24.08	3.66	7.02	-2.26	8.88
		-0.45	-2.26	4.35e-05		121.2	73.28	13.75	3.66	7.49	2.18	2.55
109	23	4.35	5.35	5.04e-05	-60.91	0.0	-20.76	-20.75	7.47	12.14	-3.71	3.49
		-2.55	-3.71	-3.79e-05		121.2	-20.76	21.93	7.47	12.74	5.35	4.35
109	24	10.90	-3.37	7.59e-05	-63.87	0.0	55.98	-30.34	-1.15	0.98	-3.37	10.90
		-1.75	-4.76	2.80e-05		121.2	55.98	14.35	-1.15	0.39	-4.76	0.99
109	25	4.89	6.37	6.79e-05	-61.70	0.0	-23.86	-18.88	8.50	13.74	-3.94	2.59
		-2.56	-3.94	-4.10e-05		121.2	-23.86	22.35	8.50	14.60	6.37	4.89
109	26	11.80	-3.13	9.34e-05	-67.81	0.0	59.08	-32.21	-2.18	-0.62	-3.13	11.80
		-2.04	-5.78	3.12e-05		121.2	59.08	13.93	-2.18	-1.47	-5.78	0.44
110	1	5.11	-2.89	2.46e-05	-74.14	0.0	15.07	-27.37	1.84	4.15	-5.13	5.11
		-3.28	-5.13	-4.64e-05		121.2	15.07	26.98	1.84	4.36	-2.89	4.80
110	2	5.74	2.08	4.20e-06	-86.34	0.0	11.39	-32.61	5.65	6.19	-4.77	5.74
		-4.25	-4.77	-7.90e-05		121.2	11.39	31.99	5.65	6.64	2.08	5.35

110	3	3.55	-4.17	3.14e-05	-49.53	0.0	13.86	-17.83	-0.92	1.93	-4.17	3.55
		-1.93	-5.29	-1.57e-05		121.2	13.86	17.66	-0.92	1.95	-5.29	3.35
110	4	4.17	-0.31	1.11e-05	-61.72	0.0	10.18	-23.07	2.88	3.98	-3.81	4.17
		-2.89	-3.81	-4.82e-05		121.2	10.18	22.68	2.88	4.23	-0.31	3.90
110	5	3.88	-2.63	2.06e-05	-56.03	0.0	11.90	-20.63	1.11	3.02	-3.98	3.88
		-2.44	-3.98	-3.30e-05		121.2	11.90	20.34	1.11	3.17	-2.63	3.65
110	6	4.30	0.68	6.99e-06	-64.16	0.0	9.44	-24.12	3.64	4.39	-3.73	4.30
		-3.09	-3.73	-5.48e-05		121.2	9.44	23.68	3.64	4.69	0.68	4.01
110	7	3.88	-2.63	2.06e-05	-56.03	0.0	11.90	-20.63	1.11	3.02	-3.98	3.88
		-2.44	-3.98	-3.30e-05		121.2	11.90	20.34	1.11	3.17	-2.63	3.65
110	8	4.17	-0.31	1.11e-05	-61.72	0.0	10.18	-23.07	2.88	3.98	-3.81	4.17
		-2.89	-3.81	-4.82e-05		121.2	10.18	22.68	2.88	4.23	-0.31	3.90
110	9	3.88	-2.63	2.06e-05	-56.03	0.0	11.90	-20.63	1.11	3.02	-3.98	3.88
		-2.44	-3.98	-3.30e-05		121.2	11.90	20.34	1.11	3.17	-2.63	3.65
110	10	4.13	-0.64	1.24e-05	-60.91	0.0	10.42	-22.72	2.63	3.84	-3.83	4.13
		-2.83	-3.83	-4.61e-05		121.2	10.42	22.35	2.63	4.08	-0.64	3.87
110	11	7.65	27.03	1.05e-05	-64.04	0.0	-42.23	-17.01	16.31	-0.85	7.26	-1.00
		-4.61	7.26	-1.04e-04		121.2	-42.23	31.23	16.31	-0.60	27.03	7.65
110	12	6.86	-13.48	1.46e-06	-57.01	0.0	58.88	-22.35	-8.48	1.45	-13.48	6.86
		-1.16	-23.76	-4.73e-05		121.2	58.88	15.33	-8.48	2.20	-23.76	2.60
110	13	7.73	26.18	1.77e-05	-63.49	0.0	-40.53	-16.25	15.67	-0.75	7.18	-1.15
		-4.51	7.18	-1.02e-04		121.2	-40.53	30.81	15.67	-0.43	26.18	7.73
110	14	7.01	-13.40	8.63e-06	-57.76	0.0	57.18	-23.11	-7.84	1.35	-13.40	7.01
		-1.31	-22.91	-4.85e-05		121.2	57.18	15.76	-7.84	2.03	-22.91	2.53
110	15	9.31	6.23	8.76e-05	-58.62	0.0	8.96	-6.92	4.27	-2.52	1.05	-1.94
		-2.81	1.05	-1.11e-04		121.2	8.96	25.05	4.27	-0.96	6.23	9.31
110	16	7.80	-2.96	7.85e-05	-73.18	0.0	7.69	-32.44	3.56	3.12	-7.27	7.80
		-4.16	-7.27	-4.01e-05		121.2	7.69	21.52	3.56	2.56	-2.96	0.95
110	17	9.74	4.57	1.08e-04	-57.20	0.0	14.19	-4.19	2.53	-4.14	1.50	-2.51
		-2.87	1.50	-1.23e-04		121.2	14.19	23.89	2.53	-2.30	4.57	9.74
110	18	8.37	-1.30	9.90e-05	-79.65	0.0	2.46	-35.17	5.29	4.74	-7.72	8.37
		-4.78	-7.72	-2.81e-05		121.2	2.46	22.68	5.29	3.90	-1.30	0.51
110	19	5.00	20.08	2.22e-05	-67.24	0.0	-33.01	-23.05	12.58	5.98	4.82	1.69
		-4.57	4.82	-4.49e-05		121.2	-33.01	28.63	12.58	5.76	20.08	5.00
110	20	6.58	-12.48	2.59e-06	-57.41	0.0	53.86	-22.39	-7.33	1.69	-12.48	6.58
		-1.32	-21.37	-4.72e-05		121.2	53.86	16.06	-7.33	2.40	-21.37	2.73
110	21	5.07	19.31	1.58e-05	-65.66	0.0	-31.49	-22.37	12.01	6.07	4.75	1.55
		-4.46	4.75	-4.39e-05		121.2	-31.49	28.25	12.01	5.92	19.31	5.07
110	22	6.72	-12.41	9.03e-06	-58.09	0.0	52.34	-23.07	-6.76	1.61	-12.41	6.72
		-1.46	-20.60	-4.83e-05		121.2	52.34	16.44	-6.76	2.25	-20.60	2.67
110	23	6.48	1.43	4.69e-05	-58.29	0.0	12.87	-14.01	1.80	4.49	-0.75	0.85
		-2.32	-0.75	-5.14e-05		121.2	12.87	23.08	1.80	5.44	1.43	6.48
110	24	7.42	-2.72	7.17e-05	-71.48	0.0	7.97	-31.43	3.46	3.19	-6.91	7.42
		-3.99	-6.91	-4.07e-05		121.2	7.97	21.61	3.46	2.72	-2.72	1.25
110	25	6.88	-0.05	6.52e-05	-57.02	0.0	17.56	-11.56	0.24	3.03	-0.34	0.33
		-2.02	-0.34	-6.21e-05		121.2	17.56	22.04	0.24	4.24	-0.05	6.88
110	26	7.93	-1.23	9.00e-05	-77.28	0.0	3.29	-33.88	5.02	4.65	-7.32	7.93
		-4.54	-7.32	-3.00e-05		121.2	3.29	22.65	5.02	3.92	-1.23	0.86
113	1	15.22	1.97	3.04e-05	-69.38	0.0	33.82	-35.42	5.45	10.65	-4.64	15.22
		0.16	-4.64	2.02e-05		121.2	33.82	15.27	5.45	10.50	1.97	2.92
113	2	22.89	1.47	6.67e-06	-83.34	0.0	44.88	-50.44	7.71	14.63	-7.88	22.89
		-1.12	-7.88	8.36e-06		121.2	44.88	13.75	7.71	14.54	1.47	0.63
113	3	6.99	1.83	3.80e-05	-45.35	0.0	19.21	-18.01	2.81	5.75	-1.58	6.99
		0.53	-1.58	2.29e-05		121.2	19.21	12.68	2.81	5.59	1.83	3.66
113	4	14.66	1.32	-1.43e-05	-58.74	0.0	30.27	-33.02	5.06	9.72	-4.82	14.66
		-0.34	-4.82	1.10e-05		121.2	30.27	11.16	5.06	9.63	1.32	1.37
113	5	11.08	1.56	2.54e-05	-52.23	0.0	25.11	-26.01	4.01	7.87	-3.31	11.08
		0.20	-3.31	1.65e-05		121.2	25.11	11.87	4.01	7.74	1.56	2.44
113	6	16.19	1.22	9.52e-06	-61.53	0.0	32.48	-36.03	5.51	10.52	-5.46	16.19
		-0.60	-5.46	8.62e-06		121.2	32.48	10.86	5.51	10.44	1.22	0.91
113	7	11.08	1.56	2.54e-05	-52.23	0.0	25.11	-26.01	4.01	7.87	-3.31	11.08
		0.20	-3.31	1.65e-05		121.2	25.11	11.87	4.01	7.74	1.56	2.44
113	8	14.66	1.32	1.43e-05	-58.74	0.0	30.27	-33.02	5.06	9.72	-4.82	14.66
		-0.34	-4.82	1.10e-05		121.2	30.27	11.16	5.06	9.63	1.32	1.37
113	9	11.08	1.56	2.54e-05	-52.23	0.0	25.11	-26.01	4.01	7.87	-3.31	11.08
		0.20	-3.31	1.65e-05		121.2	25.11	11.87	4.01	7.74	1.56	2.44
113	10	14.15	1.36	1.59e-05	-57.80	0.0	29.53	-32.02	4.91	9.46	-4.60	14.15
		-0.25	-4.60	1.18e-05		121.2	29.53	11.26	4.91	9.36	1.36	1.52
113	11	11.03	-2.96	2.97e-05	-67.74	0.0	-68.03	-33.04	0.12	16.46	-3.11	11.03
		-1.82	-3.11	5.76e-05		121.2	-68.03	18.19	0.12	16.27	-2.96	2.11
113	12	16.03	4.84	2.31e-05	-54.07	0.0	90.26	-29.87	8.34	13.74	-5.27	16.03
		1.04	-5.27	6.80e-05		121.2	90.26	6.35	8.34	14.20	4.84	1.71
113	13	10.88	-2.21	3.65e-05	-67.19	0.0	-69.76	-32.69	0.92	17.14	-3.32	10.88
		-1.73	-3.32	5.26e-05		121.2	-69.76	18.36	0.92	17.01	-2.21	2.30

113	14	16.19	4.08	3.00e-05	-53.83	0.0	91.99	-30.22	7.54	13.06	-5.07	16.19
		0.90	-5.07	7.30e-05		121.2	91.99	6.17	7.54	13.46	4.08	1.52
113	15	11.97	5.45	9.52e-05	-65.89	0.0	-57.19	-30.19	11.63	31.77	-8.64	11.97
		-0.05	-8.64	9.11e-05		121.2	-57.19	14.93	11.63	32.68	5.45	3.00
113	16	15.09	0.26	8.87e-05	-62.16	0.0	79.42	-32.72	-3.16	-1.57	0.26	15.09
		-0.45	-3.58	3.45e-05		121.2	79.42	9.60	-3.16	-2.21	-3.58	0.82
113	17	11.86	6.97	1.15e-04	-66.77	0.0	-62.49	-29.34	13.91	35.95	-9.90	11.86
		0.29	-9.90	9.62e-05		121.2	-62.49	14.74	13.91	37.12	6.97	3.34
113	18	15.20	1.51	1.08e-04	-65.78	0.0	84.72	-33.57	-5.45	-5.75	1.51	15.20
		-0.80	-5.09	2.94e-05		121.2	84.72	9.79	-5.45	-6.65	-5.09	0.48
113	19	12.46	-1.76	9.32e-06	-68.09	0.0	-24.90	-33.95	1.84	5.62	-4.00	12.46
		-1.64	-4.00	-3.86e-05		121.2	-24.90	15.67	1.84	5.02	-1.76	1.35
113	20	15.84	4.48	2.24e-05	-54.35	0.0	83.97	-30.09	7.98	13.30	-5.20	15.84
		0.92	-5.20	6.22e-05		121.2	83.97	6.86	7.98	13.70	4.48	1.69
113	21	12.32	-1.09	3.20e-06	-67.60	0.0	-26.45	-33.63	2.55	6.23	-4.18	12.32
		-1.55	-4.18	-4.31e-05		121.2	-26.45	15.83	2.55	5.69	-1.09	1.52
113	22	15.98	3.80	2.85e-05	-54.13	0.0	85.51	-30.41	7.27	12.69	-5.02	15.98
		0.79	-5.02	6.67e-05		121.2	85.51	6.70	7.27	13.03	3.80	1.52
113	23	13.30	5.78	4.94e-05	-60.91	0.0	-15.18	-31.40	12.15	19.35	-8.95	13.30
		-0.10	-8.95	-8.58e-06		121.2	-15.18	12.76	12.15	19.73	5.78	2.15
113	24	14.99	-0.25	8.11e-05	-61.66	0.0	74.25	-32.65	-2.33	-0.43	-0.25	14.99
		-0.43	-3.07	3.22e-05		121.2	74.25	9.77	-2.33	-1.01	-3.07	0.89
113	25	13.20	7.14	6.69e-05	-61.70	0.0	-19.93	-30.64	14.20	23.09	-10.08	13.20
		0.20	-10.08	-4.02e-06		121.2	-19.93	12.58	14.20	23.71	7.14	2.46
113	26	15.09	0.88	9.86e-05	-64.91	0.0	79.00	-33.41	-4.38	-4.17	0.88	15.09
		-0.74	-4.43	2.76e-05		121.2	79.00	9.95	-4.38	-4.99	-4.43	0.58
114	1	5.36	-2.74	-2.35e-05	-72.98	0.0	15.92	-27.14	1.40	4.01	-4.43	5.36
		-3.00	-4.43	-3.42e-05		121.2	15.92	26.51	1.40	4.17	-2.74	4.91
114	2	6.15	-1.10	-2.26e-06	-85.57	0.0	12.35	-32.68	3.89	6.09	-5.82	6.15
		-3.89	-5.82	-7.09e-05		121.2	12.35	31.83	3.89	6.46	-1.10	5.63
114	3	3.63	-2.56	-3.12e-05	-48.39	0.0	14.44	-17.46	-0.46	1.80	-2.56	3.63
		-1.76	-3.11	-3.72e-06		121.2	14.44	17.12	-0.46	1.80	-3.11	3.33
114	4	4.43	-1.48	-9.93e-06	-60.98	0.0	10.87	-23.01	2.03	3.89	-3.94	4.43
		-2.65	-3.94	-4.04e-05		121.2	10.87	22.44	2.03	4.09	-1.48	4.05
114	5	4.05	-2.24	-1.99e-05	-55.10	0.0	12.54	-20.42	0.87	2.91	-3.30	4.05
		-2.23	-3.30	-2.33e-05		121.2	12.54	19.96	0.87	3.02	-2.24	3.72
114	6	4.58	-1.15	-5.67e-06	-63.50	0.0	10.16	-24.12	2.53	4.30	-4.22	4.58
		-2.83	-4.22	-4.78e-05		121.2	10.16	23.50	2.53	4.55	-1.15	4.19
114	7	4.05	-2.24	-1.99e-05	-55.10	0.0	12.54	-20.42	0.87	2.91	-3.30	4.05
		-2.23	-3.30	-2.33e-05		121.2	12.54	19.96	0.87	3.02	-2.24	3.72
114	8	4.43	-1.48	-9.93e-06	-60.98	0.0	10.87	-23.01	2.03	3.89	-3.94	4.43
		-2.65	-3.94	-4.04e-05		121.2	10.87	22.44	2.03	4.09	-1.48	4.05
114	9	4.05	-2.24	-1.99e-05	-55.10	0.0	12.54	-20.42	0.87	2.91	-3.30	4.05
		-2.23	-3.30	-2.33e-05		121.2	12.54	19.96	0.87	3.02	-2.24	3.72
114	10	4.37	-1.59	-1.13e-05	-60.14	0.0	11.11	-22.64	1.87	3.75	-3.85	4.37
		-2.59	-3.85	-3.80e-05		121.2	11.11	22.08	1.87	3.94	-1.59	4.00
114	11	7.71	7.43	-1.43e-05	-64.37	0.0	-53.42	-16.91	11.66	0.90	-6.71	-1.29
		-4.82	-6.71	-1.24e-04		121.2	-53.42	31.69	11.66	1.14	7.43	7.71
114	12	7.16	-5.88	-3.74e-06	-56.78	0.0	64.60	-22.59	-5.52	1.03	-5.88	7.16
		-1.06	-12.58	-3.39e-06		121.2	64.60	15.02	-5.52	1.77	-12.58	2.56
114	13	7.85	7.41	-2.12e-05	-64.02	0.0	-52.04	-16.14	11.20	0.94	-6.17	-1.51
		-4.79	-6.17	-1.23e-04		121.2	-52.04	31.48	11.20	1.26	7.41	7.85
114	14	7.37	-6.42	-1.07e-05	-57.33	0.0	63.21	-23.36	-5.07	0.99	-6.42	7.37
		-1.21	-12.56	-4.63e-06		121.2	63.21	15.23	-5.07	1.65	-12.56	2.41
114	15	9.10	0.54	-8.73e-05	-61.27	0.0	-7.53	-7.67	4.32	-1.06	-4.70	-2.77
		-3.76	-4.70	-1.07e-04		121.2	-7.53	26.83	4.32	0.51	0.54	9.10
114	16	8.64	-5.69	-7.68e-05	-71.11	0.0	18.71	-31.83	1.82	2.99	-7.90	8.64
		-3.39	-7.90	-2.01e-05		121.2	18.71	19.88	1.82	2.40	-5.69	1.17
114	17	9.63	0.20	-1.07e-04	-60.58	0.0	-3.68	-4.97	3.28	-2.56	-3.78	-3.57
		-4.01	-3.78	-1.19e-04		121.2	-3.68	26.23	3.28	-0.69	0.20	9.63
114	18	9.44	-5.35	-9.65e-05	-77.11	0.0	14.85	-34.54	2.85	4.49	-8.81	9.44
		-3.90	-8.81	-9.01e-06		121.2	14.85	20.48	2.85	3.60	-5.35	0.63
114	19	5.30	8.27	-1.82e-05	-67.23	0.0	-36.83	-22.68	8.49	6.18	-2.03	1.88
		-4.24	-2.03	-6.90e-05		121.2	-36.83	28.41	8.49	5.88	8.27	5.30
114	20	6.87	-5.67	-4.53e-06	-57.13	0.0	59.05	-22.60	-4.76	1.31	-5.67	6.87
		-1.20	-11.44	-6.98e-06		121.2	59.05	15.75	-4.76	1.99	-11.44	2.71
114	21	5.43	8.25	-1.19e-05	-65.92	0.0	-35.59	-21.99	8.08	6.22	-1.55	1.68
		-4.17	-1.55	-6.79e-05		121.2	-35.59	28.23	8.08	5.98	8.25	5.43
114	22	7.06	-6.15	-1.08e-05	-57.62	0.0	57.81	-23.29	-4.35	1.28	-6.15	7.06
		-1.32	-11.42	-8.09e-06		121.2	57.81	15.94	-4.35	1.89	-11.42	2.58
114	23	6.55	2.09	-4.73e-05	-59.22	0.0	4.30	-14.40	1.91	4.42	-0.22	0.55
		-2.67	-0.22	-5.40e-05		121.2	4.30	24.06	1.91	5.31	2.09	6.55
114	24	8.20	-5.27	-7.00e-05	-69.63	0.0	17.92	-30.88	1.82	3.07	-7.48	8.20
		-3.27	-7.48	-2.20e-05		121.2	17.92	20.10	1.82	2.56	-5.27	1.46

114	25	7.02	1.79	-6.50e-05	-58.60	0.0	7.75	-11.97	0.98	3.08	0.60	-0.17
		-2.56	0.60	-6.40e-05		121.2	7.75	23.52	0.98	4.24	1.79	7.02
114	26	8.91	-4.96	-8.77e-05	-75.01	0.0	14.47	-33.30	2.75	4.42	-8.30	8.91
		-3.72	-8.30	-1.20e-05		121.2	14.47	20.65	2.75	3.63	-4.96	0.98
117	1	7.18	-0.39	-2.59e-05	-70.73	0.0	19.64	-24.00	2.33	5.48	-3.21	4.68
		-2.02	-3.21	-9.86e-06		121.2	19.64	28.25	2.33	5.53	-0.39	7.18
117	2	8.15	-0.92	-3.68e-06	-84.18	0.0	18.01	-30.19	3.82	7.94	-5.56	5.73
		-2.82	-5.56	-3.87e-05		121.2	18.01	34.20	3.82	8.13	-0.92	8.15
117	3	4.92	0.03	-3.37e-05	-46.75	0.0	16.11	-14.66	0.87	2.71	-1.03	2.95
		-1.07	-1.03	1.02e-05		121.2	16.11	18.07	0.87	2.65	0.03	4.92
117	4	5.90	-0.50	-1.14e-05	-59.58	0.0	14.48	-20.84	2.37	5.16	-3.37	4.00
		-1.86	-3.37	-1.87e-05		121.2	14.48	24.02	2.37	5.25	-0.50	5.90
117	5	5.44	-0.25	-2.18e-05	-53.30	0.0	15.24	-17.96	1.67	4.02	-2.28	3.51
		-1.49	-2.28	-5.21e-06		121.2	15.24	21.25	1.67	4.04	-0.25	5.44
117	6	6.09	-0.61	-6.94e-06	-62.27	0.0	14.16	-22.08	2.67	5.66	-3.84	4.21
		-2.02	-3.84	-2.45e-05		121.2	14.16	25.21	2.67	5.78	-0.61	6.09
117	7	5.44	-0.25	-2.18e-05	-53.30	0.0	15.24	-17.96	1.67	4.02	-2.28	3.51
		-1.49	-2.28	-5.21e-06		121.2	15.24	21.25	1.67	4.04	-0.25	5.44
117	8	5.90	-0.50	-1.14e-05	-59.58	0.0	14.48	-20.84	2.37	5.16	-3.37	4.00
		-1.86	-3.37	-1.87e-05		121.2	14.48	24.02	2.37	5.25	-0.50	5.90
117	9	5.44	-0.25	-2.18e-05	-53.30	0.0	15.24	-17.96	1.67	4.02	-2.28	3.51
		-1.49	-2.28	-5.21e-06		121.2	15.24	21.25	1.67	4.04	-0.25	5.44
117	10	5.83	-0.47	-1.29e-05	-58.68	0.0	14.59	-20.43	2.27	5.00	-3.22	3.93
		-1.81	-3.22	-1.68e-05		121.2	14.59	23.62	2.27	5.08	-0.47	5.83
117	11	8.07	-9.92	-2.17e-05	-64.53	0.0	-71.47	-17.07	4.42	8.17	-15.28	-1.40
		-4.92	-15.28	-3.86e-05		121.2	-71.47	32.59	4.42	8.30	-9.92	8.07
117	12	6.12	0.51	-1.25e-05	-56.13	0.0	74.85	-19.27	0.71	4.06	-0.36	6.12
		0.05	-0.36	3.33e-05		121.2	74.85	17.91	0.71	4.74	0.51	5.26
117	13	8.30	-9.05	-2.85e-05	-64.40	0.0	-71.49	-16.33	4.45	8.17	-14.45	-1.74
		-5.00	-14.45	-4.19e-05		121.2	-71.49	32.75	4.45	8.37	-9.05	8.30
117	14	6.46	-0.36	-1.93e-05	-56.27	0.0	74.87	-20.01	0.69	4.06	-1.20	6.46
		0.02	-1.20	3.66e-05		121.2	74.87	17.75	0.69	4.66	-0.36	5.03
117	15	9.97	-3.19	-9.00e-05	-65.06	0.0	-42.97	-8.38	5.54	10.99	-9.91	-4.17
		-5.21	-9.91	-2.32e-05		121.2	-42.97	31.28	5.54	12.44	-3.19	9.97
117	16	8.89	-5.73	-8.08e-05	-66.99	0.0	46.35	-27.96	-0.41	1.24	-5.73	8.89
		-1.29	-6.22	1.79e-05		121.2	46.35	19.23	-0.41	0.60	-6.22	3.36
117	17	10.58	-2.40	-1.09e-04	-65.56	0.0	-43.85	-5.93	5.87	11.40	-9.52	-5.28
		-5.81	-9.52	-3.04e-05		121.2	-43.85	31.56	5.87	13.17	-2.40	10.58
117	18	9.99	-6.12	-1.00e-04	-72.03	0.0	47.23	-30.42	-0.73	0.83	-6.12	9.99
		-1.57	-7.01	2.51e-05		121.2	47.23	18.95	-0.73	-0.13	-7.01	2.75
117	19	6.34	-1.34	-1.32e-05	-67.54	0.0	-39.42	-21.47	3.66	5.84	-5.78	1.97
		-3.61	-5.78	-6.16e-05		121.2	-39.42	28.75	3.66	5.39	-1.34	6.34
117	20	5.89	0.41	-1.25e-05	-56.39	0.0	68.60	-19.39	0.87	4.16	-0.65	5.89
		-0.14	-0.65	2.81e-05		121.2	68.60	18.50	0.87	4.77	0.41	5.32
117	21	6.55	-0.56	-7.14e-06	-66.61	0.0	-39.44	-20.81	3.69	5.84	-5.03	1.67
		-3.61	-5.03	-6.46e-05		121.2	-39.44	28.89	3.69	5.45	-0.56	6.55
117	22	6.19	-0.37	-1.86e-05	-56.52	0.0	68.62	-20.06	0.85	4.16	-1.40	6.19
		-0.17	-1.40	3.11e-05		121.2	68.62	18.36	0.85	4.71	-0.37	5.11
117	23	8.05	4.69	-4.80e-05	-60.65	0.0	-13.87	-13.68	4.66	8.37	-0.96	-0.51
		-3.22	-0.96	-4.78e-05		121.2	-13.87	27.57	4.66	9.10	4.69	8.05
117	24	8.38	-5.47	-7.37e-05	-65.94	0.0	43.05	-27.18	-0.13	1.63	-5.47	8.38
		-1.30	-5.62	1.43e-05		121.2	43.05	19.68	-0.13	1.06	-5.62	3.61
117	25	8.59	5.40	-6.54e-05	-61.10	0.0	-14.66	-11.48	4.96	8.74	-0.61	-1.50
		-3.48	-0.61	-5.43e-05		121.2	-14.66	27.82	4.96	9.75	5.40	8.59
117	26	9.37	-5.82	-9.11e-05	-70.46	0.0	43.85	-29.38	-0.42	1.26	-5.82	9.37
		-1.52	-6.34	2.07e-05		121.2	43.85	19.43	-0.42	0.41	-6.34	3.07
118	1	9.85	-2.01	2.56e-05	-75.38	0.0	18.38	-21.79	2.82	4.52	-5.43	2.95
		-2.28	-5.43	-5.80e-05		121.2	18.38	33.30	2.82	4.79	-2.01	9.85
118	2	12.53	8.67	6.22e-06	-87.20	0.0	16.28	-24.15	8.53	6.39	-1.67	2.57
		-2.90	-1.67	-7.54e-05		121.2	16.28	40.61	8.53	6.93	8.67	12.53
118	3	5.94	-6.48	3.16e-05	-50.71	0.0	15.43	-15.31	-1.34	2.32	-6.48	2.51
		-1.42	-8.11	-3.40e-05		121.2	15.43	21.11	-1.34	2.37	-8.11	5.94
118	4	8.61	2.56	1.22e-05	-62.53	0.0	13.33	-17.67	4.37	4.20	-2.73	2.12
		-1.99	-2.73	-5.13e-05		121.2	13.33	28.43	4.37	4.51	2.56	8.61
118	5	7.36	-2.42	2.13e-05	-57.01	0.0	14.31	-16.57	1.70	3.32	-4.48	2.30
		-1.70	-4.48	-4.32e-05		121.2	14.31	25.01	1.70	3.51	-2.42	7.36
118	6	9.14	4.70	8.37e-06	-64.89	0.0	12.91	-18.14	5.51	4.57	-1.98	2.05
		-2.12	-1.98	-5.48e-05		121.2	12.91	29.89	5.51	4.93	4.70	9.14
118	7	7.36	-2.42	2.13e-05	-57.01	0.0	14.31	-16.57	1.70	3.32	-4.48	2.30
		-1.70	-4.48	-4.32e-05		121.2	14.31	25.01	1.70	3.51	-2.42	7.36
118	8	8.61	2.56	1.22e-05	-62.53	0.0	13.33	-17.67	4.37	4.20	-2.73	2.12
		-1.99	-2.73	-5.13e-05		121.2	13.33	28.43	4.37	4.51	2.56	8.61
118	9	7.36	-2.42	2.13e-05	-57.01	0.0	14.31	-16.57	1.70	3.32	-4.48	2.30
		-1.70	-4.48	-4.32e-05		121.2	14.31	25.01	1.70	3.51	-2.42	7.36

118	10	8.43	1.85	1.35e-05	-61.74	0.0	13.47	-17.51	3.99	4.07	-2.98	2.15
		-1.95	-2.98	-5.02e-05		121.2	13.47	27.94	3.99	4.36	1.85	8.43
118	11	9.47	52.12	7.11e-06	-63.65	0.0	-30.05	-14.91	20.39	-0.99	27.41	-1.56
		-4.37	27.41	-2.24e-05		121.2	-30.05	33.08	20.39	-0.75	52.12	9.47
118	12	8.77	-25.18	1.66e-06	-57.30	0.0	57.17	-15.70	-11.59	2.99	-25.18	4.95
		1.00	-39.23	-1.25e-04		121.2	57.17	22.00	-11.59	3.78	-39.23	8.77
118	13	9.50	50.28	1.45e-05	-62.90	0.0	-28.33	-14.14	19.63	-0.89	26.48	-1.65
		-4.23	26.48	-2.30e-05		121.2	-28.33	32.46	19.63	-0.58	50.28	9.50
118	14	8.74	-24.25	5.77e-06	-58.26	0.0	55.45	-16.47	-10.84	2.88	-24.25	5.03
		0.82	-37.38	-1.23e-04		121.2	55.45	22.62	-10.84	3.60	-37.38	8.74
118	15	13.82	9.71	9.11e-05	-55.82	0.0	24.86	-2.34	2.56	-0.48	6.60	-1.42
		-1.53	6.60	-8.21e-05		121.2	24.86	27.04	2.56	1.07	9.71	13.82
118	16	4.80	3.19	8.24e-05	-75.43	0.0	2.26	-28.26	6.23	2.47	-4.37	4.80
		-3.92	-4.37	-5.32e-05		121.2	2.26	28.04	6.23	1.95	3.19	4.43
118	17	13.79	5.64	1.13e-04	-53.64	0.0	30.36	-0.06	-0.18	-1.64	5.64	-1.55
		-1.55	5.42	-9.72e-05		121.2	30.36	24.82	-0.18	0.18	5.42	13.79
118	18	4.93	7.48	1.04e-04	-82.44	0.0	-3.24	-30.54	8.98	3.63	-3.41	4.93
		-4.52	-3.41	-3.81e-05		121.2	-3.24	30.26	8.98	2.84	7.48	4.45
118	19	8.12	38.67	2.72e-05	-67.55	0.0	-25.70	-19.14	17.95	5.04	16.91	-0.36
		-4.62	16.91	1.70e-05		121.2	-25.70	33.27	17.95	4.89	38.67	8.12
118	20	8.74	-22.88	0.0	-57.76	0.0	52.64	-15.89	-9.98	3.10	-22.88	4.66
		0.70	-34.97	-1.17e-04		121.2	52.64	22.61	-9.98	3.84	-34.97	8.74
118	21	8.15	37.02	2.05e-05	-65.63	0.0	-24.16	-18.45	17.27	5.13	16.08	-0.43
		-4.48	16.08	1.53e-05		121.2	-24.16	32.70	17.27	5.05	37.02	8.15
118	22	8.71	-22.04	6.57e-06	-58.62	0.0	51.10	-16.58	-9.30	3.01	-22.04	4.73
		0.54	-33.32	-1.16e-04		121.2	51.10	23.18	-9.30	3.68	-33.32	8.71
118	23	12.02	0.65	4.82e-05	-57.38	0.0	23.52	-7.88	1.97	5.50	-1.74	-0.23
		-1.25	-1.74	-4.74e-05		121.2	23.52	27.85	1.97	6.53	0.65	12.02
118	24	4.84	3.05	7.52e-05	-73.50	0.0	3.43	-27.15	6.00	2.64	-4.22	4.53
		-3.68	-4.22	-5.29e-05		121.2	3.43	28.03	6.00	2.20	3.05	4.84
118	25	11.99	-2.59	6.74e-05	-55.43	0.0	28.45	-5.83	-0.49	4.46	-2.59	-0.34
		-0.98	-3.19	-6.10e-05		121.2	28.45	25.86	-0.49	5.73	-3.19	11.99
118	26	4.87	6.89	9.45e-05	-79.78	0.0	-1.51	-29.19	8.46	3.68	-3.37	4.64
		-4.22	-3.37	-3.93e-05		121.2	-1.51	30.02	8.46	3.00	6.89	4.87
121	1	2.05	24.29	-1.47e-04	-82.15	0.0	4.26	-8.11	24.68	5.02	6.53	-5.16
		-5.81	6.53	-2.66e-05		72.0	4.26	28.55	24.68	5.04	24.29	2.05
121	2	3.73	32.22	-2.77e-04	-99.94	0.0	6.93	-4.49	24.24	5.80	14.77	-9.16
		-9.32	14.77	-1.59e-05		72.0	6.93	41.10	24.24	5.84	32.22	3.73
121	3	0.54	13.81	-3.27e-05	-52.25	0.0	1.64	-8.46	19.26	3.38	-0.05	-1.50
		-2.65	-0.05	-2.71e-05		72.0	1.64	14.24	19.26	3.38	13.81	0.54
121	4	2.22	21.73	-1.63e-04	-70.04	0.0	4.30	-4.84	18.82	4.16	8.19	-5.51
		-5.77	8.19	-1.63e-05		72.0	4.30	26.79	18.82	4.18	21.73	2.22
121	5	1.44	18.03	-1.02e-04	-61.73	0.0	3.06	-6.53	19.02	3.80	4.35	-3.64
		-4.21	4.35	-2.14e-05		72.0	3.06	20.93	19.02	3.81	18.03	1.44
121	6	2.56	23.32	-1.89e-04	-73.59	0.0	4.84	-4.12	18.73	4.31	9.84	-6.31
		-6.50	9.84	-1.42e-05		72.0	4.84	29.30	18.73	4.34	23.32	2.56
121	7	1.44	18.03	-1.02e-04	-61.73	0.0	3.06	-6.53	19.02	3.80	4.35	-3.64
		-4.21	4.35	-2.14e-05		72.0	3.06	20.93	19.02	3.81	18.03	1.44
121	8	2.22	21.73	-1.63e-04	-70.04	0.0	4.30	-4.84	18.82	4.16	8.19	-5.50
		-5.77	8.19	-1.63e-05		72.0	4.30	26.79	18.82	4.18	21.73	2.22
121	9	1.44	18.03	-1.02e-04	-61.73	0.0	3.06	-6.53	19.02	3.80	4.35	-3.64
		-4.21	4.35	-2.14e-05		72.0	3.06	20.93	19.02	3.81	18.03	1.44
121	10	2.11	21.21	-1.54e-04	-68.85	0.0	4.13	-5.09	18.84	4.11	7.64	-5.24
		-5.55	7.64	-1.71e-05		72.0	4.13	25.95	18.84	4.13	21.21	2.11
121	11	0.78	28.48	-1.11e-04	-68.71	0.0	-4.96	-6.49	-29.59	3.83	28.48	-5.68
		-6.17	7.19	1.10e-04		72.0	-4.96	24.76	-29.59	3.87	7.19	0.78
121	12	-0.36	43.30	-3.80e-04	-74.66	0.0	9.77	-13.37	66.07	6.43	-4.26	-1.93
		-4.08	-4.26	-1.19e-04		72.0	9.77	18.80	66.07	6.48	43.30	-0.36
121	13	1.14	27.95	-1.47e-04	-69.35	0.0	-4.03	-6.12	-27.88	3.68	27.95	-5.56
		-6.01	7.88	1.05e-04		72.0	-4.03	25.16	-27.88	3.72	7.88	1.14
121	14	-0.72	42.60	-3.45e-04	-74.02	0.0	8.85	-13.74	64.36	6.58	-3.72	-2.05
		-4.30	-3.72	-1.14e-04		72.0	8.85	18.40	64.36	6.63	42.60	-0.72
121	15	0.40	39.97	-7.22e-04	-86.52	0.0	3.33	-14.40	28.17	9.06	19.69	-1.20
		-3.60	19.69	1.62e-05		72.0	3.33	20.93	28.17	9.20	39.97	0.40
121	16	0.01	10.51	-2.31e-04	-65.19	0.0	1.48	-5.46	8.31	1.20	4.53	-6.41
		-6.77	4.53	-2.52e-05		72.0	1.48	22.63	8.31	1.14	10.51	0.01
121	17	0.66	43.03	-8.44e-04	-89.08	0.0	5.17	-15.37	32.87	9.17	19.37	-0.23
		-2.99	19.37	4.85e-06		72.0	5.17	20.26	32.87	9.33	43.03	0.66
121	18	-0.25	7.46	-3.52e-04	-66.74	0.0	-0.36	-4.49	3.61	1.09	4.86	-7.38
		-7.61	4.86	-1.38e-05		72.0	-0.36	23.31	3.61	1.02	7.46	-0.25
121	19	4.33	18.31	-4.83e-05	-65.18	0.0	-0.93	2.34	-23.49	2.03	18.31	-8.21
		-8.21	1.41	7.46e-05		72.0	-0.93	32.36	-23.49	2.03	1.41	4.33
121	20	-0.11	41.01	-3.57e-04	-74.06	0.0	9.18	-12.51	61.18	6.19	-3.02	-2.27
		-4.15	-3.02	-1.09e-04		72.0	9.18	19.54	61.18	6.24	41.01	-0.11

121	21	4.65	17.83	-1.67e-05	-64.67	0.0	-0.10	2.67	-21.96	1.89	17.83	-8.10
		-8.10	2.03	7.02e-05		72.0	-0.10	32.72	-21.96	1.89	2.03	4.65
121	22	-0.43	40.38	-3.25e-04	-73.49	0.0	8.36	-12.84	59.65	6.32	-2.54	-2.38
		-4.35	-2.54	-1.04e-04		72.0	8.36	19.18	59.65	6.37	40.38	-0.43
121	23	3.99	30.79	-4.99e-04	-79.60	0.0	6.49	-4.75	28.28	6.71	10.43	-4.19
		-4.45	10.43	-1.00e-05		72.0	6.49	28.93	28.28	6.81	30.79	3.99
121	24	0.23	11.62	-1.91e-04	-65.03	0.0	1.76	-5.42	9.41	1.50	4.85	-6.29
		-6.64	4.85	-2.44e-05		72.0	1.76	22.97	9.41	1.45	11.62	0.23
121	25	4.22	33.53	-6.08e-04	-81.90	0.0	8.15	-5.62	32.50	6.81	10.14	-3.32
		-3.70	10.14	-1.99e-05		72.0	8.15	28.32	32.50	6.92	33.53	4.22
121	26	-1.06e-03	8.88	-3.00e-04	-66.41	0.0	0.11	-4.55	5.19	1.40	5.15	-7.16
		-7.40	5.15	-1.42e-05		72.0	0.11	23.58	5.19	1.34	8.88	-1.06e-03
124	1	6.47	4.98	-3.64e-05	-81.80	0.0	6.52	-29.64	-5.24	-2.52	4.98	6.47
		-2.18	-0.47	1.36e-05		104.1	6.52	22.93	-5.24	-2.29	-0.47	3.05
124	2	8.13	4.88	-6.36e-05	-99.50	0.0	2.87	-36.92	-7.93	-4.49	4.88	8.13
		-2.63	-3.88	3.96e-05		104.1	2.87	28.49	-7.93	-4.05	-3.88	3.88
124	3	3.95	3.90	1.13e-05	-52.03	0.0	7.27	-18.33	-2.38	-0.73	3.90	3.95
		-1.40	1.42	-5.61e-06		104.1	7.27	14.22	-2.38	-0.67	1.42	1.84
124	4	5.61	3.79	-3.85e-05	-69.73	0.0	3.61	-25.60	-5.06	-2.70	3.79	5.61
		-1.85	-1.48	2.05e-05		104.1	3.61	19.78	-5.06	-2.44	-1.48	2.67
124	5	4.84	3.84	-2.58e-05	-61.47	0.0	5.32	-22.21	-3.81	-1.78	3.84	4.84
		-1.64	-0.13	8.29e-06		104.1	5.32	17.18	-3.81	-1.61	-0.13	2.28
124	6	5.95	3.77	-4.39e-05	-73.27	0.0	2.88	-27.05	-5.60	-3.09	3.77	5.95
		-1.94	-2.06	2.57e-05		104.1	2.88	20.89	-5.60	-2.79	-2.06	2.83
124	7	4.84	3.84	-2.58e-05	-61.47	0.0	5.32	-22.21	-3.81	-1.78	3.84	4.84
		-1.64	-0.13	8.29e-06		104.1	5.32	17.18	-3.81	-1.61	-0.13	2.28
124	8	5.61	3.79	-3.85e-05	-69.73	0.0	3.61	-25.60	-5.06	-2.70	3.79	5.61
		-1.85	-1.48	2.05e-05		104.1	3.61	19.78	-5.06	-2.44	-1.48	2.67
124	9	4.84	3.84	-2.58e-05	-61.47	0.0	5.32	-22.21	-3.81	-1.78	3.84	4.84
		-1.64	-0.13	8.29e-06		104.1	5.32	17.18	-3.81	-1.61	-0.13	2.28
124	10	5.50	3.80	-3.67e-05	-68.55	0.0	3.86	-25.12	-4.89	-2.57	3.80	5.50
		-1.82	-1.29	1.87e-05		104.1	3.86	19.41	-4.89	-2.32	-1.29	2.61
124	11	6.40	-16.18	-4.07e-05	-67.98	0.0	-18.93	-16.58	-3.81	1.31	-16.18	0.72
		-2.51	-20.14	1.12e-04		104.1	-18.93	27.34	-3.81	1.59	-20.14	6.40
124	12	7.93	19.18	-8.26e-05	-75.01	0.0	33.64	-29.84	-8.59	-4.18	19.18	7.93
		-1.98	10.23	-2.78e-05		104.1	33.64	16.34	-8.59	-3.52	10.23	1.08
124	13	6.50	-15.32	-4.65e-05	-68.69	0.0	-17.48	-16.49	-4.18	0.70	-15.32	0.65
		-2.53	-19.67	1.08e-04		104.1	-17.48	27.54	-4.18	1.03	-19.67	6.50
124	14	7.99	18.32	-7.68e-05	-74.30	0.0	32.18	-29.93	-8.22	-3.57	18.32	7.99
		-2.00	9.76	-2.38e-05		104.1	32.18	16.14	-8.22	-2.96	9.76	0.98
124	15	8.34	4.06	-1.84e-04	-85.79	0.0	33.60	-16.87	-10.75	-2.80	4.06	0.22
		-2.71	-7.12	1.03e-04		104.1	33.60	31.70	-10.75	-1.42	-7.12	8.34
124	16	8.43	-1.06	-6.07e-05	-66.98	0.0	-18.89	-29.56	-1.66	-0.07	-1.06	8.43
		-2.61	-2.79	-1.92e-05		104.1	-18.89	11.98	-1.66	-0.51	-2.79	-0.85
124	17	8.70	6.00	-2.05e-04	-88.76	0.0	37.01	-16.55	-11.99	-4.05	6.00	-0.13
		-2.90	-6.48	9.65e-05		104.1	37.01	32.65	-11.99	-2.47	-6.48	8.70
124	18	8.77	-3.00	-8.16e-05	-68.34	0.0	-22.30	-29.88	-0.41	1.19	-3.00	8.77
		-2.73	-3.43	-1.27e-05		104.1	-22.30	11.03	-0.41	0.54	-3.43	-1.21
124	19	3.99	-9.99	-4.53e-06	-65.09	0.0	-22.85	-20.88	-1.56	-1.12	-9.99	3.33
		-1.94	-11.61	6.04e-05		104.1	-22.85	22.16	-1.56	-1.24	-11.61	3.99
124	20	7.68	17.58	-7.79e-05	-74.34	0.0	30.56	-29.35	-8.21	-4.01	17.58	7.68
		-1.95	9.04	-2.30e-05		104.1	30.56	16.66	-8.21	-3.39	9.04	1.24
124	21	4.07	-9.22	0.0	-64.73	0.0	-21.54	-20.80	-1.89	-1.66	-9.22	3.27
		-1.94	-11.19	5.68e-05		104.1	-21.54	22.33	-1.89	-1.74	-11.19	4.07
124	22	7.73	16.82	-7.26e-05	-73.70	0.0	29.25	-29.43	-7.88	-3.47	16.82	7.73
		-1.97	8.62	-1.94e-05		104.1	29.25	16.48	-7.88	-2.90	8.62	1.15
124	23	5.72	8.16	-1.24e-04	-78.72	0.0	24.24	-21.13	-7.78	-4.81	8.16	2.89
		-1.93	0.06	5.27e-05		104.1	24.24	26.06	-7.78	-3.94	0.06	5.72
124	24	8.12	-0.56	-5.06e-05	-66.56	0.0	-16.53	-29.10	-1.99	-0.33	-0.56	8.12
		-2.49	-2.63	-1.53e-05		104.1	-16.53	12.75	-1.99	-0.70	-2.63	-0.49
124	25	6.04	9.89	-1.43e-04	-81.38	0.0	27.30	-20.84	-8.89	-5.93	9.89	2.58
		-2.03	0.63	4.69e-05		104.1	27.30	26.91	-8.89	-4.88	0.63	6.04
124	26	8.43	-2.29	-6.94e-05	-67.79	0.0	-19.59	-29.39	-0.88	0.80	-2.29	8.43
		-2.56	-3.21	-9.49e-06		104.1	-19.59	11.90	-0.88	0.24	-3.21	-0.82
125	1	7.74	2.06	-3.72e-05	-76.21	0.0	-34.43	-36.04	0.51	-4.25	1.54	7.74
		-6.06	1.54	5.38e-06		104.1	-34.43	12.70	0.51	-4.13	2.06	-4.33
125	2	9.17	0.77	-6.48e-05	-89.97	0.0	-42.73	-43.31	0.54	-6.07	0.77	9.17
		-7.30	0.22	9.36e-06		104.1	-42.73	15.50	0.54	-5.82	0.77	-5.16
125	3	5.07	2.38	-1.16e-05	-50.16	0.0	-21.38	-23.26	0.37	-2.15	1.99	5.07
		-3.90	1.99	1.68e-06		104.1	-21.38	8.05	0.37	-2.14	2.38	-2.82
125	4	6.50	1.09	-3.93e-05	-63.92	0.0	-29.68	-30.52	0.40	-3.97	0.67	6.50
		-5.14	0.67	5.67e-06		104.1	-29.68	10.84	0.40	-3.83	1.09	-3.65
125	5	5.84	1.69	-2.64e-05	-57.50	0.0	-25.81	-27.13	0.39	-3.12	1.29	5.84
		-4.56	1.29	3.81e-06		104.1	-25.81	9.54	0.39	-3.04	1.69	-3.26

125	6	6.79	0.83	-4.48e-05	-66.67	0.0	-31.34	-31.97	0.41	-4.33	0.41	6.79
		-5.39	0.41	6.47e-06		104.1	-31.34	11.40	0.41	-4.17	0.83	-3.82
125	7	5.84	1.69	-2.64e-05	-57.50	0.0	-25.81	-27.13	0.39	-3.12	1.29	5.84
		-4.56	1.29	3.81e-06		104.1	-25.81	9.54	0.39	-3.04	1.69	-3.26
125	8	6.50	1.09	-3.93e-05	-63.92	0.0	-29.68	-30.52	0.40	-3.97	0.67	6.50
		-5.14	0.67	5.67e-06		104.1	-29.68	10.84	0.40	-3.83	1.09	-3.65
125	9	5.84	1.69	-2.64e-05	-57.50	0.0	-25.81	-27.13	0.39	-3.12	1.29	5.84
		-4.56	1.29	3.81e-06		104.1	-25.81	9.54	0.39	-3.04	1.69	-3.26
125	10	6.41	1.18	-3.74e-05	-63.00	0.0	-29.13	-30.04	0.40	-3.85	0.76	6.41
		-5.06	0.76	5.40e-06		104.1	-29.13	10.66	0.40	-3.72	1.18	-3.60
125	11	2.98	-8.85	-4.30e-05	-62.38	0.0	-11.33	-21.01	3.46	-5.88	-12.45	2.98
		-2.74	-12.45	-9.57e-05		104.1	-11.33	18.70	3.46	-5.71	-8.85	1.87
125	12	8.33	5.28	-8.55e-05	-63.03	0.0	-11.33	-32.31	-5.19	-7.50	5.28	8.33
		-5.92	-0.12	2.85e-05		104.1	-11.33	5.34	-5.19	-7.05	-0.12	-5.53
125	13	2.96	-9.42	-4.90e-05	-62.24	0.0	-9.61	-20.82	2.85	-6.16	-12.38	2.96
		-2.72	-12.38	-9.49e-05		104.1	-9.61	18.41	2.85	-5.94	-9.42	1.81
125	14	8.35	5.22	-7.96e-05	-63.18	0.0	-13.04	-32.50	-4.58	-7.23	5.22	8.35
		-5.89	0.45	2.77e-05		104.1	-13.04	5.63	-4.58	-6.82	0.45	-5.46
125	15	3.95	-13.75	-1.95e-04	-60.70	0.0	72.09	-17.08	-12.04	-14.50	-13.75	3.95
		-0.90	-26.28	-6.43e-05		104.1	72.09	12.63	-12.04	-13.47	-26.28	2.06
125	16	7.35	17.31	-6.62e-05	-74.07	0.0	-94.74	-36.24	10.31	1.12	6.58	7.35
		-7.11	6.58	-5.36e-06		104.1	-94.74	11.41	10.31	0.71	17.31	-5.71
125	17	3.88	-13.64	-2.16e-04	-60.61	0.0	79.14	-16.23	-14.09	-16.51	-13.64	3.88
		-0.70	-28.31	-7.05e-05		104.1	79.14	12.00	-14.09	-15.34	-28.31	2.15
125	18	7.43	19.34	-8.78e-05	-77.37	0.0	-101.79	-37.09	12.36	3.13	6.47	7.43
		-7.30	6.47	3.39e-06		104.1	-101.79	12.04	12.36	2.58	19.34	-5.80
125	19	4.69	2.34	-5.72e-06	-65.78	0.0	-45.08	-27.99	5.41	-0.58	-3.29	4.69
		-4.70	-3.29	-1.53e-05		104.1	-45.08	15.43	5.41	-0.72	2.34	-1.86
125	20	8.13	4.81	-8.05e-05	-63.03	0.0	-13.17	-32.08	-4.61	-7.12	4.81	8.13
		-5.80	0.02	2.61e-05		104.1	-13.17	5.89	-4.61	-6.71	0.02	-5.33
125	21	4.67	1.83	0.0	-64.90	0.0	-43.54	-27.83	4.86	-0.82	-3.23	4.67
		-4.69	-3.23	-1.46e-05		104.1	-43.54	15.17	4.86	-0.93	1.83	-1.92
125	22	8.15	4.75	-7.52e-05	-63.16	0.0	-14.71	-32.24	-4.06	-6.88	4.75	8.15
		-5.78	0.53	2.54e-05		104.1	-14.71	6.15	-4.06	-6.50	0.53	-5.27
125	23	5.56	-4.45	-1.30e-04	-61.46	0.0	29.69	-24.47	-8.49	-8.30	-4.45	5.56
		-3.26	-13.29	1.28e-05		104.1	29.69	9.99	-8.49	-7.68	-13.29	-1.70
125	24	7.26	15.64	-5.55e-05	-72.56	0.0	-87.94	-35.60	9.28	0.60	5.98	7.26
		-6.90	5.98	-4.48e-06		104.1	-87.94	11.33	9.28	0.25	15.64	-5.49
125	25	5.49	-4.36	-1.50e-04	-61.38	0.0	36.01	-23.71	-10.33	-10.11	-4.36	5.49
		-3.08	-15.10	7.90e-06		104.1	36.01	9.42	-10.33	-9.36	-15.10	-1.62
125	26	7.33	17.46	-7.48e-05	-75.51	0.0	-94.26	-36.36	11.12	2.41	5.88	7.33
		-7.07	5.88	3.60e-06		104.1	-94.26	11.89	11.12	1.93	17.46	-5.57
128	1	5.29	11.51	3.63e-05	-83.04	0.0	12.17	-28.57	-7.63	-1.91	11.51	5.29
		-2.59	3.56	4.21e-06		104.1	12.17	24.91	-7.63	-1.65	3.56	3.46
128	2	6.22	14.46	6.33e-05	-101.71	0.0	9.98	-35.22	-11.71	-3.82	14.46	6.22
		-3.33	2.27	3.16e-05		104.1	9.98	31.76	-11.71	-3.35	2.27	4.55
128	3	3.49	7.04	1.13e-05	-52.39	0.0	10.71	-17.89	-3.36	-0.29	7.04	3.49
		-1.56	3.54	-1.36e-05		104.1	10.71	14.94	-3.36	-0.23	3.54	1.99
128	4	4.43	9.99	3.83e-05	-71.06	0.0	8.52	-24.54	-7.44	-2.20	9.99	4.43
		-2.27	2.24	1.38e-05		104.1	8.52	21.80	-7.44	-1.92	2.24	3.08
128	5	3.99	8.61	2.57e-05	-62.34	0.0	9.54	-21.43	-5.54	-1.31	8.61	3.99
		-1.93	2.85	-1.36e-06		104.1	9.54	18.60	-5.54	-1.13	2.85	2.57
128	6	4.61	10.58	4.37e-05	-74.79	0.0	8.08	-25.87	-8.26	-2.59	10.58	4.61
		-2.42	1.98	1.93e-05		104.1	8.08	23.17	-8.26	-2.26	1.98	3.30
128	7	3.99	8.61	2.57e-05	-62.34	0.0	9.54	-21.43	-5.54	-1.31	8.61	3.99
		-1.93	2.85	-1.36e-06		104.1	9.54	18.60	-5.54	-1.13	2.85	2.57
128	8	4.43	9.99	3.83e-05	-71.06	0.0	8.52	-24.54	-7.44	-2.20	9.99	4.43
		-2.27	2.24	1.38e-05		104.1	8.52	21.80	-7.44	-1.92	2.24	3.08
128	9	3.99	8.61	2.57e-05	-62.34	0.0	9.54	-21.43	-5.54	-1.31	8.61	3.99
		-1.93	2.85	-1.36e-06		104.1	9.54	18.60	-5.54	-1.13	2.85	2.57
128	10	4.36	9.79	3.65e-05	-69.81	0.0	8.66	-24.09	-7.17	-2.08	9.79	4.36
		-2.23	2.33	1.19e-05		104.1	8.66	21.34	-7.17	-1.81	2.33	3.01
128	11	6.10	-7.96	4.17e-05	-69.00	0.0	-22.83	-16.25	-6.76	2.58	-7.96	-0.47
		-3.50	-14.99	1.53e-04		104.1	-22.83	28.70	-6.76	2.83	-14.99	6.10
128	12	7.74	27.82	8.19e-05	-77.68	0.0	42.20	-30.53	-10.36	-2.82	27.82	7.74
		-2.20	17.03	-6.84e-05		104.1	42.20	17.71	-10.36	-2.13	17.03	1.24
128	13	6.18	-7.10	4.75e-05	-69.93	0.0	-21.49	-16.30	-7.11	1.97	-7.10	-0.48
		-3.51	-14.50	1.48e-04		104.1	-21.49	28.90	-7.11	2.28	-14.50	6.18
128	14	7.75	26.96	7.60e-05	-76.75	0.0	40.86	-30.48	-10.01	-2.22	26.96	7.75
		-2.21	16.54	-6.28e-05		104.1	40.86	17.50	-10.01	-1.58	16.54	1.16
128	15	6.28	16.80	1.85e-04	-91.26	0.0	25.97	-23.11	-12.88	0.23	16.80	2.26
		-2.80	3.39	1.04e-04		104.1	25.97	30.06	-12.88	1.61	3.39	6.28
128	16	5.00	3.06	6.12e-05	-65.13	0.0	-6.60	-23.67	-4.23	-0.48	3.06	5.00
		-2.36	-1.35	-1.88e-05		104.1	-6.60	16.35	-4.23	-0.91	-1.35	1.05

128	17	6.38	19.27	2.06e-04	-94.93	0.0	29.03	-23.72	-14.03	-0.74	19.27	2.36
		-2.85	4.66	9.43e-05		104.1	29.03	30.60	-14.03	0.86	4.66	6.38
128	18	4.90	0.59	8.23e-05	-65.97	0.0	-9.66	-23.05	-3.08	0.50	0.59	4.90
		-2.31	-2.62	-9.42e-06		104.1	-9.66	15.81	-3.08	-0.16	-2.62	0.96
128	19	4.59	-6.37	4.19e-06	-64.85	0.0	-21.40	-18.33	-4.31	-1.41	-6.37	1.34
		-2.73	-10.85	8.40e-05		104.1	-21.40	24.59	-4.31	-1.52	-10.85	4.59
128	20	7.39	25.95	7.72e-05	-76.87	0.0	38.73	-29.86	-10.03	-2.75	25.95	7.39
		-2.18	15.51	-6.01e-05		104.1	38.73	18.08	-10.03	-2.10	15.51	1.42
128	21	4.66	-5.60	1.03e-06	-64.61	0.0	-20.19	-18.38	-4.62	-1.95	-5.60	1.33
		-2.74	-10.41	7.89e-05		104.1	-20.19	24.77	-4.62	-2.01	-10.41	4.66
128	22	7.40	25.18	7.19e-05	-76.03	0.0	37.52	-29.81	-9.72	-2.20	25.18	7.40
		-2.19	15.07	-5.50e-05		104.1	37.52	17.90	-9.72	-1.60	15.07	1.35
128	23	4.76	15.82	1.24e-04	-82.71	0.0	22.35	-24.48	-9.80	-3.51	15.82	3.79
		-2.27	5.63	3.95e-05		104.1	22.35	25.81	-9.80	-2.61	5.63	4.76
128	24	4.93	3.76	5.11e-05	-65.00	0.0	-5.02	-23.71	-4.54	-0.64	3.76	4.93
		-2.34	-0.97	-1.56e-05		104.1	-5.02	16.86	-4.54	-1.01	-0.97	1.26
128	25	4.85	18.04	1.43e-04	-86.00	0.0	25.09	-25.03	-10.83	-4.38	18.04	3.88
		-2.31	6.77	3.11e-05		104.1	25.09	26.29	-10.83	-3.29	6.77	4.85
128	26	4.85	1.54	7.00e-05	-65.75	0.0	-7.76	-23.16	-3.51	0.23	1.54	4.85
		-2.29	-2.11	-7.21e-06		104.1	-7.76	16.38	-3.51	-0.33	-2.11	1.17
129	1	7.34	-0.14	-3.95e-05	-77.70	0.0	-18.49	-32.35	-0.71	-3.52	-0.14	7.34
		-3.54	-0.87	6.70e-06		104.1	-18.49	17.36	-0.71	-3.37	-0.87	-0.37
129	2	8.49	-2.13	-6.75e-05	-92.45	0.0	-24.46	-38.46	-1.13	-5.36	-2.13	8.49
		-4.14	-3.31	1.51e-05		104.1	-24.46	22.01	-1.13	-5.06	-3.31	0.07
129	3	4.94	1.13	-1.32e-05	-50.69	0.0	-10.55	-21.12	-0.28	-1.57	1.13	4.94
		-2.38	0.83	0.0		104.1	-10.55	10.50	-0.28	-1.55	0.83	-0.56
129	4	6.09	-0.87	-4.12e-05	-65.44	0.0	-16.52	-27.23	-0.71	-3.42	-0.87	6.09
		-2.95	-1.61	8.39e-06		104.1	-16.52	15.14	-0.71	-3.24	-1.61	-0.12
129	5	5.55	0.06	-2.81e-05	-58.56	0.0	-13.73	-24.38	-0.51	-2.56	0.06	5.55
		-2.67	-0.47	4.47e-06		104.1	-13.73	12.97	-0.51	-2.45	-0.47	-0.32
129	6	6.32	-1.27	-4.68e-05	-68.39	0.0	-17.72	-28.45	-0.79	-3.79	-1.27	6.32
		-3.07	-2.10	1.01e-05		104.1	-17.72	16.07	-0.79	-3.58	-2.10	-0.03
129	7	5.55	0.06	-2.81e-05	-58.56	0.0	-13.73	-24.38	-0.51	-2.56	0.06	5.55
		-2.67	-0.47	4.47e-06		104.1	-13.73	12.97	-0.51	-2.45	-0.47	-0.32
129	8	6.09	-0.87	-4.12e-05	-65.44	0.0	-16.52	-27.23	-0.71	-3.42	-0.87	6.09
		-2.95	-1.61	8.39e-06		104.1	-16.52	15.14	-0.71	-3.24	-1.61	-0.12
129	9	5.55	0.06	-2.81e-05	-58.56	0.0	-13.73	-24.38	-0.51	-2.56	0.06	5.55
		-2.67	-0.47	4.47e-06		104.1	-13.73	12.97	-0.51	-2.45	-0.47	-0.32
129	10	6.01	-0.74	-3.93e-05	-64.46	0.0	-16.12	-26.82	-0.68	-3.30	-0.74	6.01
		-2.91	-1.45	7.83e-06		104.1	-16.12	14.83	-0.68	-3.13	-1.45	-0.15
129	11	4.87	-15.72	-4.34e-05	-64.09	0.0	-8.15	-17.75	2.05	-4.83	-15.72	2.02
		-1.96	-17.85	-5.76e-05		104.1	-8.15	23.04	2.05	-4.61	-17.85	4.87
129	12	8.07	6.80	-8.70e-05	-66.19	0.0	4.43	-29.72	-5.58	-6.64	6.80	8.07
		-3.32	0.99	2.38e-05		104.1	4.43	10.09	-5.58	-6.13	0.99	-1.96
129	13	4.89	-15.84	-4.93e-05	-64.15	0.0	-6.35	-17.53	1.50	-5.15	-15.84	1.98
		-1.93	-17.40	-5.69e-05		104.1	-6.35	22.93	1.50	-4.88	-15.84	4.89
129	14	8.11	6.35	-8.10e-05	-66.14	0.0	2.63	-29.93	-5.04	-6.33	6.35	8.11
		-3.36	1.10	2.30e-05		104.1	2.63	10.21	-5.04	-5.86	1.10	-1.98
129	15	7.03	-11.46	-1.92e-04	-67.56	0.0	70.35	-12.77	-10.24	-13.18	-11.46	1.93
		-0.40	-22.11	-1.43e-05		104.1	70.35	21.77	-10.24	-12.02	-22.11	7.03
129	16	8.16	7.37	-6.17e-05	-72.16	0.0	-74.07	-34.70	6.70	1.71	0.40	8.16
		-5.55	0.40	-1.95e-05		104.1	-74.07	11.36	6.70	1.29	7.37	-4.12
129	17	7.43	-10.70	-2.13e-04	-68.26	0.0	76.97	-11.70	-12.01	-15.16	-10.70	1.66
		-0.33	-23.20	-1.90e-05		104.1	76.97	21.90	-12.01	-13.84	-23.20	7.43
129	18	8.43	8.46	-8.29e-05	-74.98	0.0	-80.69	-35.77	8.47	3.68	-0.35	8.43
		-5.88	-0.35	-1.48e-05		104.1	-80.69	11.23	8.47	3.10	8.46	-4.52
129	19	4.16	-3.62	-3.40e-06	-65.56	0.0	-34.54	-24.23	3.72	-0.29	-7.50	4.16
		-2.90	-7.50	-6.47e-06		104.1	-34.54	19.08	3.72	-0.44	-3.62	1.48
129	20	7.86	6.02	-8.20e-05	-66.01	0.0	2.30	-29.42	-5.08	-6.30	6.02	7.86
		-3.25	0.73	2.21e-05		104.1	2.30	10.58	-5.08	-5.82	0.73	-1.77
129	21	4.13	-3.73	-1.92e-06	-64.82	0.0	-32.94	-24.04	3.23	-0.58	-7.09	4.13
		-2.86	-7.09	-5.81e-06		104.1	-32.94	18.98	3.23	-0.68	-3.73	1.50
129	22	7.89	5.61	-7.67e-05	-65.96	0.0	0.69	-29.61	-4.59	-6.01	5.61	7.89
		-3.29	0.84	2.15e-05		104.1	0.69	10.69	-4.59	-5.57	0.84	-1.79
129	23	4.08	-1.76	-1.30e-04	-66.00	0.0	35.82	-19.77	-7.29	-7.78	-1.76	4.08
		-1.16	-9.35	3.24e-05		104.1	35.82	17.94	-7.29	-7.08	-9.35	3.41
129	24	7.94	6.46	-5.12e-05	-70.93	0.0	-68.07	-33.88	5.93	1.19	0.28	7.94
		-5.25	0.28	-1.67e-05		104.1	-68.07	11.72	5.93	0.83	6.46	-3.70
129	25	3.84	-1.09	-1.49e-04	-66.64	0.0	41.75	-18.81	-8.88	-9.55	-1.09	3.84
		-0.99	-10.33	2.81e-05		104.1	41.75	18.06	-8.88	-8.71	-10.33	3.77
129	26	8.18	7.44	-7.03e-05	-73.46	0.0	-74.00	-34.84	7.52	2.96	-0.39	8.18
		-5.55	-0.39	-1.25e-05		104.1	-74.00	11.61	7.52	2.46	7.44	-4.06
132	1	5.52	1.19	-3.69e-05	-80.50	0.0	1.99	-26.13	-3.41	-2.79	1.19	5.52
		-1.32	-2.36	1.43e-05		104.1	1.99	25.53	-3.41	-2.57	-2.36	5.28

132	2	6.82	-0.53	-6.43e-05	-97.22	0.0	-2.49	-31.82	-5.10	-4.70	-0.53	6.60
		-1.59	-5.84	3.52e-05		104.1	-2.49	31.99	-5.10	-4.30	-5.84	6.82
132	3	3.58	1.98	-1.16e-05	-51.63	0.0	4.29	-16.60	-1.59	-0.97	1.98	3.58
		-0.85	0.33	-1.91e-06		104.1	4.29	15.66	-1.59	-0.92	0.33	3.12
132	4	4.66	0.25	-3.89e-05	-68.35	0.0	-0.19	-22.29	-3.28	-2.88	0.25	4.66
		-1.12	-3.15	1.90e-05		104.1	-0.19	22.12	-3.28	-2.64	-3.15	4.66
132	5	4.16	1.06	-2.62e-05	-60.55	0.0	1.90	-19.64	-2.49	-1.99	1.06	4.16
		-0.99	-1.53	9.25e-06		104.1	1.90	19.11	-2.49	-1.84	-1.53	3.94
132	6	4.96	-0.09	-4.44e-05	-71.70	0.0	-1.09	-23.43	-3.61	-3.26	-0.09	4.88
		-1.17	-3.85	2.32e-05		104.1	-1.09	23.41	-3.61	-2.99	-3.85	4.96
132	7	4.16	1.06	-2.62e-05	-60.55	0.0	1.90	-19.64	-2.49	-1.99	1.06	4.16
		-0.99	-1.53	9.25e-06		104.1	1.90	19.11	-2.49	-1.84	-1.53	3.94
132	8	4.66	0.25	-3.89e-05	-68.35	0.0	-0.19	-22.29	-3.27	-2.88	0.25	4.66
		-1.12	-3.15	1.90e-05		104.1	-0.19	22.12	-3.27	-2.64	-3.15	4.66
132	9	4.16	1.06	-2.62e-05	-60.55	0.0	1.90	-19.64	-2.49	-1.99	1.06	4.16
		-0.99	-1.53	9.25e-06		104.1	1.90	19.11	-2.49	-1.84	-1.53	3.94
132	10	4.59	0.37	-3.71e-05	-67.24	0.0	0.11	-21.91	-3.16	-2.75	0.37	4.59
		-1.10	-2.92	1.76e-05		104.1	0.11	21.69	-3.16	-2.53	-2.92	4.55
132	11	8.99	-20.40	-4.06e-05	-66.88	0.0	-12.67	-12.75	-1.35	-0.66	-20.40	-0.15
		-2.10	-21.81	5.54e-05		104.1	-12.67	30.16	-1.35	-0.38	-21.81	8.99
132	12	6.94	13.02	-8.36e-05	-72.20	0.0	26.80	-26.07	-7.25	-4.97	13.02	6.94
		-0.96	5.48	-3.54e-06		104.1	26.80	18.04	-7.25	-4.35	5.48	2.94
132	13	9.09	-19.58	-4.64e-05	-67.37	0.0	-11.05	-12.59	-1.78	-1.19	-19.58	-0.22
		-2.11	-21.43	5.32e-05		104.1	-11.05	30.29	-1.78	-0.86	-21.43	9.09
132	14	7.01	12.21	-7.78e-05	-71.71	0.0	25.18	-26.24	-6.82	-4.44	12.21	7.01
		-0.99	5.11	-2.33e-06		104.1	25.18	17.91	-6.82	-3.86	5.11	2.84
132	15	11.97	-4.55	-1.85e-04	-80.09	0.0	48.42	-9.65	-9.50	-6.19	-4.55	-1.27
		-2.31	-14.44	7.68e-05		104.1	48.42	34.31	-9.50	-4.84	-14.44	11.97
132	16	8.05	-1.88	-6.05e-05	-68.76	0.0	-34.30	-29.17	0.90	0.56	-2.82	8.05
		-2.33	-2.82	-2.28e-05		104.1	-34.30	13.88	0.90	0.12	-1.88	-0.04
132	17	12.47	-3.09	-2.06e-04	-82.33	0.0	52.89	-8.85	-10.88	-7.68	-3.09	-1.69
		-2.58	-14.41	7.20e-05		104.1	52.89	35.22	-10.88	-6.15	-14.41	12.47
132	18	8.48	-1.91	-8.13e-05	-70.63	0.0	-38.76	-29.97	2.28	2.06	-4.28	8.48
		-2.54	-4.28	-1.80e-05		104.1	-38.76	12.98	2.28	1.42	-1.91	-0.54
132	19	6.00	-10.45	-4.58e-06	-65.30	0.0	-23.82	-18.18	0.50	-0.76	-10.45	2.48
		-1.50	-10.97	3.46e-05		104.1	-23.82	24.97	0.50	-0.90	-10.45	6.00
132	20	6.69	11.71	-7.88e-05	-71.69	0.0	24.03	-25.64	-6.82	-4.74	11.71	6.69
		-0.96	4.61	-2.26e-06		104.1	24.03	18.41	-6.82	-4.16	4.61	3.10
132	21	6.09	-10.12	0.0	-64.82	0.0	-22.37	-18.03	0.12	-1.24	-10.12	2.42
		-1.50	-10.24	3.27e-05		104.1	-22.37	25.08	0.12	-1.33	-10.12	6.09
132	22	6.75	10.98	-7.35e-05	-71.25	0.0	22.58	-25.79	-6.45	-4.26	10.98	6.75
		-0.99	4.27	2.55e-06		104.1	22.58	18.30	-6.45	-3.73	4.27	3.02
132	23	8.67	3.23	-1.25e-04	-74.62	0.0	30.94	-15.40	-6.81	-5.72	3.23	1.48
		-1.22	-3.85	5.38e-05		104.1	30.94	28.69	-6.81	-4.90	-3.85	8.67
132	24	7.69	-1.99	-5.04e-05	-68.07	0.0	-30.73	-28.42	0.48	0.22	-2.49	7.69
		-2.12	-2.49	-1.86e-05		104.1	-30.73	14.69	0.48	-0.15	-1.99	0.44
132	25	9.12	4.54	-1.43e-04	-76.63	0.0	34.94	-14.68	-8.04	-7.06	4.54	1.10
		-1.36	-3.82	4.95e-05		104.1	34.94	29.50	-8.04	-6.07	-3.82	9.12
132	26	8.08	-2.02	-6.91e-05	-69.75	0.0	-34.73	-29.14	1.71	1.56	-3.80	8.08
		-2.31	-3.80	-1.43e-05		104.1	-34.73	13.88	1.71	1.01	-2.02	-0.01
133	1	6.01	7.47	3.17e-05	-74.73	0.0	-54.90	-34.41	2.15	-6.02	5.23	6.01
		-6.78	5.23	8.69e-06		104.1	-54.90	13.47	2.15	-5.95	7.47	-4.82
133	2	7.08	7.82	5.87e-05	-87.51	0.0	-67.35	-39.36	2.63	-7.89	5.08	7.08
		-6.91	5.08	1.09e-05		104.1	-67.35	17.90	2.63	-7.71	7.82	-3.97
133	3	3.97	5.52	7.83e-06	-49.68	0.0	-34.57	-23.42	1.36	-3.47	4.11	3.97
		-5.21	4.11	5.33e-06		104.1	-34.57	7.63	1.36	-3.49	5.52	-4.23
133	4	5.04	5.88	3.48e-05	-62.40	0.0	-47.02	-28.38	1.84	-5.35	3.97	5.04
		-5.26	3.97	7.52e-06		104.1	-47.02	12.06	1.84	-5.25	5.88	-3.38
133	5	4.54	5.71	2.22e-05	-56.44	0.0	-41.21	-26.07	1.61	-4.47	4.04	4.54
		-5.21	4.04	6.50e-06		104.1	-41.21	9.99	1.61	-4.43	5.71	-3.78
133	6	5.25	5.95	4.02e-05	-64.96	0.0	-49.51	-29.37	1.93	-5.72	3.94	5.25
		-5.29	3.94	7.96e-06		104.1	-49.51	12.95	1.93	-5.60	5.95	-3.21
133	7	4.54	5.71	2.22e-05	-56.44	0.0	-41.21	-26.07	1.61	-4.47	4.04	4.54
		-5.21	4.04	6.50e-06		104.1	-41.21	9.99	1.61	-4.43	5.71	-3.78
133	8	5.04	5.88	3.48e-05	-62.40	0.0	-47.02	-28.38	1.84	-5.35	3.97	5.04
		-5.26	3.97	7.52e-06		104.1	-47.02	12.06	1.84	-5.25	5.88	-3.38
133	9	4.54	5.71	2.22e-05	-56.44	0.0	-41.21	-26.07	1.61	-4.47	4.04	4.54
		-5.21	4.04	6.50e-06		104.1	-41.21	9.99	1.61	-4.43	5.71	-3.78
133	10	4.96	5.86	3.30e-05	-61.55	0.0	-46.19	-28.05	1.80	-5.22	3.98	4.96
		-5.26	3.98	7.38e-06		104.1	-46.19	11.77	1.80	-5.13	5.86	-3.44
133	11	5.28	-0.03	4.20e-05	-60.59	0.0	-19.40	-16.66	4.94	-6.53	-5.17	2.41
		-1.29	-5.17	-1.15e-04		104.1	-19.40	22.00	4.94	-6.41	-0.03	5.28
133	12	7.00	4.97	8.09e-05	-59.84	0.0	-31.59	-32.38	-4.56	-9.34	4.97	7.00
		-8.15	0.22	2.80e-05		104.1	-31.59	3.19	-4.56	-8.98	0.22	-8.02

133	13	4.88	-1.09	4.78e-05	-60.24	0.0	-17.91	-16.71	4.29	-6.83	-5.55	2.38
		-1.40	-5.55	-1.15e-04		104.1	-17.91	21.32	4.29	-6.68	-1.09	4.88
133	14	7.03	5.35	7.50e-05	-60.18	0.0	-33.07	-32.33	-3.90	-9.05	5.35	7.03
		-7.83	1.29	2.85e-05		104.1	-33.07	3.87	-3.90	-8.71	1.29	-7.62
133	15	4.23	-17.50	1.96e-04	-53.65	0.0	63.35	-15.93	-14.34	-15.21	-17.50	4.23
		-0.80	-32.43	-1.22e-04		104.1	63.35	8.90	-14.34	-14.31	-32.43	0.99
133	16	5.18	32.63	7.28e-05	-76.33	0.0	-114.34	-33.10	14.72	-0.66	17.30	5.18
		-6.48	17.30	3.55e-05		104.1	-114.34	16.29	14.72	-1.07	32.63	-3.73
133	17	4.37	-18.33	2.17e-04	-52.74	0.0	69.79	-15.65	-16.68	-17.24	-18.33	4.37
		-0.86	-35.69	-1.32e-04		104.1	69.79	7.16	-16.68	-16.23	-35.69	0.42
133	18	5.05	35.89	9.46e-05	-80.11	0.0	-120.77	-33.39	17.06	1.37	18.13	5.05
		-6.36	18.13	4.55e-05		104.1	-120.77	18.02	17.06	0.84	35.89	-3.16
133	19	3.14	10.90	1.00e-05	-66.22	0.0	-59.28	-24.16	7.51	-1.53	3.09	3.14
		-3.84	3.09	-1.11e-05		104.1	-59.28	19.46	7.51	-1.69	10.90	0.67
133	20	6.79	4.86	7.60e-05	-60.01	0.0	-33.10	-31.93	-3.90	-8.92	4.86	6.79
		-7.79	0.81	2.59e-05		104.1	-33.10	4.08	-3.90	-8.58	0.81	-7.54
133	21	3.11	9.95	4.74e-06	-65.21	0.0	-57.95	-24.21	6.92	-1.80	2.75	3.11
		-3.98	2.75	-1.16e-05		104.1	-57.95	18.85	6.92	-1.93	9.95	0.31
133	22	6.82	5.21	7.07e-05	-60.32	0.0	-34.43	-31.88	-3.31	-8.65	5.21	6.82
		-7.50	1.76	2.64e-05		104.1	-34.43	4.69	-3.31	-8.34	1.76	-7.18
133	23	4.77	-7.97	1.28e-04	-56.86	0.0	14.90	-23.52	-9.78	-9.31	-7.97	4.77
		-4.21	-18.14	-1.78e-05		104.1	14.90	7.72	-9.78	-8.77	-18.14	-3.18
133	24	5.16	29.85	6.19e-05	-74.53	0.0	-107.28	-32.58	13.38	-1.14	15.92	5.16
		-6.35	15.92	3.26e-05		104.1	-107.28	15.82	13.38	-1.49	29.85	-3.70
133	25	4.89	-8.71	1.47e-04	-56.05	0.0	20.66	-23.26	-11.87	-11.14	-8.71	4.89
		-4.38	-21.07	-2.68e-05		104.1	20.66	6.16	-11.87	-10.49	-21.07	-3.69
133	26	5.04	32.78	8.14e-05	-77.91	0.0	-113.04	-32.83	15.48	0.69	16.67	5.04
		-6.24	16.67	4.15e-05		104.1	-113.04	17.37	15.48	0.22	32.78	-3.18
135	1	4.62	1.57	2.79e-06	-73.91	0.0	-60.93	-32.90	-20.53	-9.05	1.57	4.62
		-7.31	-22.00	1.04e-05		114.8	-60.93	19.13	-20.53	-9.17	-22.00	-3.28
135	2	4.67	0.12	-4.26e-06	-84.17	0.0	-68.11	-36.74	-25.06	-7.79	0.12	4.67
		-7.75	-28.64	1.98e-05		114.8	-68.11	25.52	-25.06	-7.80	-28.64	-1.78
135	3	3.52	2.10	-6.46e-06	-50.54	0.0	-42.46	-22.94	-13.01	-7.73	2.10	3.52
		-5.42	-12.83	2.70e-06		114.8	-42.46	10.78	-13.01	-7.90	-12.83	-3.44
135	4	3.57	0.65	1.20e-06	-60.80	0.0	-49.63	-26.79	-17.54	-6.48	0.65	3.57
		-5.79	-19.48	1.16e-05		114.8	-49.63	17.17	-17.54	-6.53	-19.48	-1.95
135	5	3.55	1.32	-2.71e-06	-56.01	0.0	-46.28	-24.99	-15.42	-7.06	1.32	3.55
		-5.59	-16.38	7.27e-06		114.8	-46.28	14.19	-15.42	-7.17	-16.38	-2.64
135	6	3.58	0.36	-1.98e-06	-62.85	0.0	-51.07	-27.55	-18.44	-6.23	0.36	3.58
		-5.87	-20.81	1.35e-05		114.8	-51.07	18.45	-18.44	-6.25	-20.81	-1.65
135	7	3.55	1.32	-2.71e-06	-56.01	0.0	-46.28	-24.99	-15.42	-7.06	1.32	3.55
		-5.59	-16.38	7.27e-06		114.8	-46.28	14.19	-15.42	-7.17	-16.38	-2.64
135	8	3.57	0.65	1.20e-06	-60.80	0.0	-49.63	-26.79	-17.54	-6.48	0.65	3.57
		-5.79	-19.48	1.16e-05		114.8	-49.63	17.17	-17.54	-6.53	-19.48	-1.95
135	9	3.55	1.32	-2.71e-06	-56.01	0.0	-46.28	-24.99	-15.42	-7.06	1.32	3.55
		-5.59	-16.38	7.27e-06		114.8	-46.28	14.19	-15.42	-7.17	-16.38	-2.64
135	10	3.57	0.75	1.17e-06	-60.12	0.0	-49.15	-26.53	-17.24	-6.56	0.75	3.57
		-5.76	-19.04	1.10e-05		114.8	-49.15	16.75	-17.24	-6.62	-19.04	-2.05
135	11	3.32	7.30	-1.19e-05	-57.85	0.0	-16.72	-22.45	-5.28	-5.10	7.30	3.32
		-3.63	1.24	-1.04e-04		114.8	-16.72	19.02	-5.28	-5.09	1.24	1.38
135	12	5.97	3.08	-3.04e-05	-56.04	0.0	-41.06	-29.84	-17.23	-14.90	3.08	5.97
		-7.13	-16.69	9.47e-06		114.8	-41.06	9.35	-17.23	-14.79	-16.69	-5.87
135	13	3.13	7.25	-7.64e-06	-57.36	0.0	-14.73	-21.93	-5.22	-6.10	7.25	3.13
		-3.59	1.26	-1.11e-04		114.8	-14.73	18.95	-5.22	-6.07	1.26	1.44
135	14	6.16	3.13	-2.62e-05	-56.52	0.0	-43.05	-30.37	-17.29	-13.90	3.13	6.16
		-7.20	-16.72	1.55e-05		114.8	-43.05	9.42	-17.29	-13.82	-16.72	-5.93
135	15	4.97	19.23	-5.26e-05	-46.44	0.0	75.73	-17.65	6.93	-25.85	11.28	4.97
		-1.77	11.28	-2.29e-04		114.8	75.73	9.24	6.93	-25.30	19.23	4.16e-03
135	16	4.32	-0.90	-3.41e-05	-75.15	0.0	-133.51	-34.64	-29.44	5.85	-0.90	4.32
		-8.42	-34.69	1.34e-04		114.8	-133.51	19.13	-29.44	5.42	-34.69	-4.49
135	17	5.26	19.73	-6.50e-05	-44.86	0.0	81.66	-17.25	6.74	-29.28	12.00	5.26
		-1.74	12.00	-2.52e-04		114.8	81.66	7.63	6.74	-28.65	19.73	-0.43
135	18	4.03	-1.62	4.65e-05	-78.31	0.0	-139.43	-35.05	-29.25	9.28	-1.62	4.03
		-8.52	-35.19	1.57e-04		114.8	-139.43	20.74	-29.25	8.76	-35.19	-4.06
135	19	1.42	-1.35	-2.70e-05	-65.45	0.0	-56.41	-23.56	-17.24	0.91	-1.35	1.42
		-5.34	-21.14	1.23e-05		114.8	-56.41	23.37	-17.24	0.71	-21.14	1.38
135	20	5.72	2.84	-2.72e-05	-56.37	0.0	-41.90	-29.50	-17.23	-14.03	2.84	5.72
		-6.94	-16.93	9.62e-06		114.8	-41.90	10.12	-17.23	-13.94	-16.93	-5.47
135	21	1.43	-1.39	-2.33e-05	-64.60	0.0	-54.62	-23.09	-17.18	0.02	-1.39	1.25
		-5.31	-21.11	7.97e-06		114.8	-54.62	23.31	-17.18	-0.16	-21.11	1.43
135	22	5.89	2.88	-2.35e-05	-56.80	0.0	-43.69	-29.97	-17.29	-13.14	2.88	5.89
		-7.00	-16.96	1.49e-05		114.8	-43.69	10.18	-17.29	-13.07	-16.96	-5.53
135	23	2.90	2.22	3.07e-05	-51.79	0.0	26.46	-19.26	-6.30	-17.69	2.22	2.90
		-3.43	-5.01	-1.01e-04		114.8	26.46	14.61	-6.30	-17.40	-5.01	0.15

135	24	4.24	-0.73	-3.05e-05	-73.53	0.0	-124.77	-33.80	-28.17	4.57	-0.73	4.24
		-8.14	-33.06	1.21e-04		114.8	-124.77	18.89	-28.17	4.17	-33.06	-4.24
135	25	3.15	2.86	-4.19e-05	-50.37	0.0	31.77	-18.90	-6.47	-20.76	2.86	3.15
		-3.29	-4.56	-1.21e-04		114.8	31.77	13.17	-6.47	-20.40	-4.56	-0.24
135	26	3.98	-1.37	-4.17e-05	-76.36	0.0	-130.08	-34.16	-28.00	7.64	-1.37	3.98
		-8.23	-33.51	1.42e-04		114.8	-130.08	20.32	-28.00	7.17	-33.51	-3.85
137	1	2.70	-0.47	-7.80e-06	-74.96	0.0	-44.18	-19.94	-1.90	-0.75	-0.47	2.70
		-1.65	-2.08	1.59e-06		85.0	-44.18	18.95	-1.90	-0.91	-2.08	2.27
137	2	3.19	0.06	-1.46e-05	-86.18	0.0	-45.54	-22.83	-3.72	-0.33	0.06	2.70
		-2.03	-3.10	2.64e-06		85.0	-45.54	24.04	-3.72	-0.44	-3.10	3.19
137	3	2.07	-0.69	-1.80e-06	-50.76	0.0	-33.15	-13.55	-0.34	-0.84	-0.69	2.07
		-1.05	-0.98	0.0		85.0	-33.15	11.45	-0.34	-1.00	-0.98	1.17
137	4	2.10	-0.16	-8.63e-06	-61.98	0.0	-34.51	-16.45	-2.16	-0.42	-0.16	2.08
		-1.42	-1.99	1.63e-06		85.0	-34.51	16.53	-2.16	-0.52	-1.99	2.10
137	5	2.07	-0.41	-5.44e-06	-56.74	0.0	-33.88	-15.10	-1.31	-0.61	-0.41	2.07
		-1.24	-1.52	1.14e-06		85.0	-33.88	14.16	-1.31	-0.74	-1.52	1.67
137	6	2.28	-0.05	-9.99e-06	-64.22	0.0	-34.78	-17.03	-2.52	-0.33	-0.05	2.08
		-1.49	-2.20	1.84e-06		85.0	-34.78	17.55	-2.52	-0.43	-2.20	2.28
137	7	2.07	-0.41	-5.44e-06	-56.74	0.0	-33.88	-15.10	-1.31	-0.61	-0.41	2.07
		-1.24	-1.52	1.14e-06		85.0	-33.88	14.16	-1.31	-0.74	-1.52	1.67
137	8	2.10	-0.16	-8.63e-06	-61.98	0.0	-34.51	-16.45	-2.16	-0.42	-0.16	2.08
		-1.42	-1.99	1.63e-06		85.0	-34.51	16.53	-2.16	-0.52	-1.99	2.10
137	9	2.07	-0.41	-5.44e-06	-56.74	0.0	-33.88	-15.10	-1.31	-0.61	-0.41	2.07
		-1.24	-1.52	1.14e-06		85.0	-33.88	14.16	-1.31	-0.74	-1.52	1.67
137	10	2.08	-0.19	-8.17e-06	-61.23	0.0	-34.42	-16.26	-2.04	-0.45	-0.19	2.08
		-1.39	-1.93	1.56e-06		85.0	-34.42	16.20	-2.04	-0.55	-1.93	2.04
137	11	4.56	9.77	-3.40e-06	-57.06	0.0	-7.10	-10.71	-7.58	0.75	9.77	0.73
		-0.87	3.33	-1.01e-06		85.0	-7.10	19.73	-7.58	0.74	3.33	4.56
137	12	3.82	1.85	-3.00e-05	-58.56	0.0	-21.71	-19.08	2.69	-2.89	-0.43	3.82
		-1.22	-0.43	-1.70e-06		85.0	-21.71	11.79	2.69	-2.93	1.85	0.68
137	13	4.70	9.98	0.0	-56.71	0.0	-5.18	-10.44	-7.83	0.39	9.98	0.73
		-0.79	3.32	-2.37e-06		85.0	-5.18	19.76	-7.83	0.40	3.32	4.70
137	14	3.82	1.86	-2.70e-05	-58.99	0.0	-23.63	-19.36	2.94	-2.53	-0.64	3.82
		-1.33	-0.64	0.0		85.0	-23.63	11.76	2.94	-2.58	1.86	0.55
137	15	5.55	15.81	-3.61e-05	-49.27	0.0	99.56	-9.09	-9.47	-5.23	15.81	3.77
		2.20	7.76	-2.57e-05		85.0	99.56	13.41	-9.47	-4.90	7.76	5.55
137	16	0.78	-2.58	-9.53e-06	-73.62	0.0	-128.37	-20.70	4.57	3.08	-6.47	0.78
		-3.89	-6.47	2.49e-05		85.0	-128.37	18.12	4.57	2.71	-2.58	-0.30
137	17	5.60	16.45	-4.54e-05	-48.48	0.0	103.33	-8.47	-10.29	-6.38	16.45	3.68
		2.25	7.71	-3.47e-05		85.0	103.33	13.14	-10.29	-6.02	7.71	5.60
137	18	0.87	-2.53	-1.88e-05	-75.51	0.0	-132.14	-21.33	5.39	4.24	-7.11	0.87
		-3.97	-7.11	3.38e-05		85.0	-132.14	18.38	5.39	3.83	-2.53	-0.35
137	19	3.25	0.02	-1.14e-05	-64.08	0.0	-45.81	-13.72	-6.27	1.75	0.02	0.51
		-1.84	-5.31	4.48e-06		85.0	-45.81	20.14	-6.27	1.58	-5.31	3.25
137	20	3.64	1.46	-2.77e-05	-58.84	0.0	-23.03	-18.79	2.20	-2.64	-0.41	3.64
		-1.21	-0.41	-1.36e-06		85.0	-23.03	12.25	2.20	-2.68	1.46	0.82
137	21	3.37	0.21	-8.74e-06	-63.60	0.0	-44.09	-13.47	-6.50	1.43	0.21	0.51
		-1.77	-5.32	2.12e-06		85.0	-44.09	20.17	-6.50	1.27	-5.32	3.37
137	22	3.64	1.46	-2.51e-05	-59.22	0.0	-24.75	-19.04	2.42	-2.32	-0.59	3.64
		-1.31	-0.59	1.02e-06		85.0	-24.75	12.22	2.42	-2.37	1.46	0.70
137	23	4.14	5.43	-2.40e-05	-53.17	0.0	49.79	-12.27	-7.96	-3.61	5.43	3.24
		0.83	-1.34	-1.93e-05		85.0	49.79	14.47	-7.96	-3.48	-1.34	4.14
137	24	0.92	-2.51	-7.70e-06	-72.31	0.0	-118.63	-20.24	3.89	2.72	-5.82	0.92
		-3.63	-5.82	2.25e-05		85.0	-118.63	17.92	3.89	2.37	-2.51	-0.06
137	25	4.18	6.00	-3.23e-05	-52.46	0.0	53.17	-11.71	-8.69	-4.64	6.00	3.15
		0.89	-1.39	-2.73e-05		85.0	53.17	14.24	-8.69	-4.48	-1.39	4.18
137	26	1.00	-2.46	-1.60e-05	-74.01	0.0	-122.01	-20.80	4.62	3.75	-6.39	1.00
		-3.70	-6.39	3.05e-05		85.0	-122.01	18.15	4.62	3.37	-2.46	-0.11
139	1	5.16	-1.25	-7.87e-06	-74.67	0.0	-49.04	-11.98	1.31	-1.17	-2.37	-1.10
		-2.68	-2.37	2.56e-06		85.0	-49.04	26.74	1.31	-1.32	-1.25	5.16
139	2	6.89	-0.94	-1.47e-05	-85.72	0.0	-53.51	-12.44	-0.18	-2.57	-0.94	-2.30
		-3.71	-1.09	-2.20e-06		85.0	-53.51	34.13	-0.18	-2.67	-1.09	6.89
139	3	2.90	-1.06	-1.87e-06	-50.64	0.0	-34.97	-8.93	1.93	-0.03	-2.70	-0.11
		-1.47	-2.70	4.91e-06		85.0	-34.97	16.03	1.93	-0.19	-1.06	2.90
139	4	4.64	-0.90	-8.67e-06	-61.69	0.0	-39.44	-9.39	0.44	-1.44	-1.27	-1.31
		-2.44	-1.27	0.0		85.0	-39.44	23.41	0.44	-1.53	-0.90	4.64
139	5	3.83	-0.98	-5.50e-06	-56.53	0.0	-37.36	-9.18	1.13	-0.78	-1.94	-0.75
		-1.98	-1.94	2.36e-06		85.0	-37.36	19.97	1.13	-0.91	-0.98	3.83
139	6	4.98	-0.87	-1.00e-05	-63.90	0.0	-40.34	-9.49	0.14	-1.72	-0.99	-1.55
		-2.65	-0.99	0.0		85.0	-40.34	24.89	0.14	-1.80	-0.87	4.98
139	7	3.83	-0.98	-5.50e-06	-56.53	0.0	-37.36	-9.18	1.13	-0.78	-1.94	-0.75
		-1.98	-1.94	2.36e-06		85.0	-37.36	19.97	1.13	-0.91	-0.98	3.83
139	8	4.64	-0.90	-8.67e-06	-61.69	0.0	-39.44	-9.39	0.44	-1.44	-1.27	-1.31
		-2.44	-1.27	0.0		85.0	-39.44	23.41	0.44	-1.53	-0.90	4.64

139	9	3.83	-0.98	-5.50e-06	-56.53	0.0	-37.36	-9.18	1.13	-0.78	-1.94	-0.75
		-1.98	-1.94	2.36e-06		85.0	-37.36	19.97	1.13	-0.91	-0.98	3.83
139	10	4.52	-0.91	-8.22e-06	-60.95	0.0	-39.15	-9.36	0.54	-1.34	-1.37	-1.23
		-2.38	-1.37	0.0		85.0	-39.15	22.92	0.54	-1.44	-0.91	4.52
139	11	7.30	15.41	-2.48e-06	-57.22	0.0	-15.18	-3.19	-5.98	1.16	15.41	-2.95
		-3.09	10.32	-1.42e-05		85.0	-15.18	27.31	-5.98	1.16	10.32	7.30
139	12	2.94	-2.44	3.04e-05	-57.46	0.0	-23.87	-12.47	6.19	-2.77	-7.70	0.72
		-1.47	-7.70	2.13e-06		85.0	-23.87	17.79	6.19	-2.79	-2.44	2.94
139	13	7.40	15.51	0.0	-56.69	0.0	-13.34	-2.90	-6.08	0.98	15.51	-2.97
		-3.08	10.34	-1.64e-05		85.0	-13.34	27.30	-6.08	0.99	10.34	7.40
139	14	2.84	-2.46	-2.73e-05	-57.99	0.0	-25.71	-12.76	6.29	-2.58	-7.80	0.74
		-1.54	-7.80	4.17e-06		85.0	-25.71	17.80	6.29	-2.62	-2.46	2.84
139	15	8.47	16.96	-4.00e-05	-48.55	0.0	91.69	-0.29	-3.38	0.44	16.96	-0.46
		-0.46	14.08	-3.23e-05		85.0	91.69	21.43	-3.38	0.79	14.08	8.47
139	16	1.77	-6.19	1.22e-05	-73.83	0.0	-130.75	-15.37	3.59	-2.05	-9.24	-1.78
		-4.34	-9.24	2.01e-05		85.0	-130.75	23.67	3.59	-2.42	-6.19	1.77
139	17	8.41	17.34	-4.93e-05	-47.56	0.0	95.68	0.27	-3.78	-0.08	17.34	-0.52
		-0.52	14.12	-3.99e-05		85.0	95.68	20.91	-3.78	0.31	14.12	8.41
139	18	1.83	-6.24	2.15e-05	-76.04	0.0	-134.73	-15.93	3.99	-1.52	-9.63	-1.71
		-4.38	-9.63	2.76e-05		85.0	-134.73	24.19	3.99	-1.94	-6.24	1.83
139	19	5.94	4.30	-1.16e-05	-64.42	0.0	-52.84	-6.58	-4.53	-0.07	4.30	-2.98
		-3.51	0.45	0.0		85.0	-52.84	27.52	-4.53	-0.24	0.45	5.94
139	20	3.10	-2.28	-2.81e-05	-57.82	0.0	-25.46	-12.15	5.60	-2.62	-7.04	0.52
		-1.55	-7.04	1.97e-06		85.0	-25.46	18.32	5.60	-2.65	-2.28	3.10
139	21	6.03	4.40	-8.91e-06	-63.85	0.0	-51.19	-6.32	-4.62	-0.23	4.40	-2.99
		-3.49	0.47	-2.87e-06		85.0	-51.19	27.50	-4.62	-0.39	0.47	6.03
139	22	3.02	-2.30	-2.54e-05	-58.30	0.0	-27.10	-12.41	5.69	-2.46	-7.13	0.53
		-1.59	-7.13	3.79e-06		85.0	-27.10	18.34	5.69	-2.50	-2.30	3.02
139	23	6.99	5.69	-2.65e-05	-52.70	0.0	42.96	-3.98	-2.20	-0.71	5.69	-0.74
		-0.99	3.82	-1.71e-05		85.0	42.96	22.25	-2.20	-0.57	3.82	6.99
139	24	2.05	-5.65	1.00e-05	-72.46	0.0	-121.25	-14.75	3.27	-1.97	-8.43	-1.72
		-4.12	-8.43	1.80e-05		85.0	-121.25	23.59	3.27	-2.32	-5.65	2.05
139	25	6.93	6.03	-3.48e-05	-51.81	0.0	46.54	-3.48	-2.56	-1.18	6.03	-0.79
		-1.00	3.86	-2.39e-05		85.0	46.54	21.78	-2.56	-1.00	3.86	6.93
139	26	2.11	-5.69	1.84e-05	-74.44	0.0	-124.83	-15.25	3.63	-1.50	-8.77	-1.66
		-4.17	-8.77	2.48e-05		85.0	-124.83	24.06	3.63	-1.89	-5.69	2.11
141	1	4.72	-1.62	-8.71e-06	-75.12	0.0	-49.26	-30.75	-6.24	1.55	-1.62	4.72
		-5.57	-6.93	4.25e-06		85.0	-49.26	8.30	-6.24	1.39	-6.93	-4.83
141	2	5.13	-3.61	-1.58e-05	-86.31	0.0	-49.94	-35.68	-8.71	4.96	-3.61	5.13
		-6.36	-11.01	1.14e-05		85.0	-49.94	11.49	-8.71	4.87	-11.01	-5.18
141	3	3.38	-0.03	-2.37e-06	-50.90	0.0	-37.48	-20.61	-3.28	-0.91	-0.03	3.38
		-3.83	-2.82	-1.15e-06		85.0	-37.48	4.43	-3.28	-1.07	-2.82	-3.50
141	4	3.79	-2.01	-9.41e-06	-62.09	0.0	-38.16	-25.55	-5.75	2.50	-2.01	3.79
		-4.58	-6.90	6.03e-06		85.0	-38.16	7.61	-5.75	2.41	-6.90	-3.85
141	5	3.60	-1.09	-6.13e-06	-56.87	0.0	-37.84	-23.25	-4.60	0.91	-1.09	3.60
		-4.22	-4.99	2.69e-06		85.0	-37.84	6.13	-4.60	0.78	-4.99	-3.69
141	6	3.87	-2.41	-1.08e-05	-64.33	0.0	-38.29	-26.54	-6.24	3.18	-2.41	3.87
		-4.75	-7.72	7.47e-06		85.0	-38.29	8.25	-6.24	3.10	-7.72	-3.92
141	7	3.60	-1.09	-6.13e-06	-56.87	0.0	-37.84	-23.25	-4.60	0.91	-1.09	3.60
		-4.22	-4.99	2.69e-06		85.0	-37.84	6.13	-4.60	0.78	-4.99	-3.69
141	8	3.79	-2.01	-9.41e-06	-62.09	0.0	-38.16	-25.55	-5.75	2.50	-2.01	3.79
		-4.58	-6.90	6.03e-06		85.0	-38.16	7.61	-5.75	2.41	-6.90	-3.85
141	9	3.60	-1.09	-6.13e-06	-56.87	0.0	-37.84	-23.25	-4.60	0.91	-1.09	3.60
		-4.22	-4.99	2.69e-06		85.0	-37.84	6.13	-4.60	0.78	-4.99	-3.69
141	10	3.76	-1.88	-8.94e-06	-61.34	0.0	-38.11	-25.22	-5.59	2.27	-1.88	3.76
		-4.53	-6.63	5.55e-06		85.0	-38.11	7.40	-5.59	2.17	-6.63	-3.83
141	11	2.85	2.42	-4.01e-06	-57.01	0.0	-8.83	-17.96	-11.63	2.98	2.42	2.85
		-1.65	-7.46	1.12e-05		85.0	-8.83	12.41	-11.63	2.99	-7.46	0.50
141	12	5.37	3.97	-3.09e-05	-59.60	0.0	-27.22	-30.97	-1.59	-1.49	3.97	5.37
		-7.62	2.62	6.17e-06		85.0	-27.22	0.51	-1.59	-1.55	2.62	-7.62
141	13	2.87	2.73	-1.12e-06	-56.85	0.0	-6.78	-17.97	-12.03	2.45	2.73	2.87
		-1.67	-7.50	8.21e-06		85.0	-6.78	12.21	-12.03	2.46	-7.50	0.42
141	14	5.35	3.66	-2.81e-05	-59.90	0.0	-29.27	-30.96	-1.19	-0.96	3.66	5.35
		-7.54	2.65	9.14e-06		85.0	-29.27	0.71	-1.19	-1.02	2.65	-7.54
141	15	6.32	12.71	-3.30e-05	-49.64	0.0	96.42	-21.10	-18.72	-8.94	12.71	6.32
		-1.87	-3.20	-2.19e-05		85.0	96.42	2.10	-18.72	-8.65	-3.20	-1.80
141	16	1.90	-1.64	-6.06e-06	-73.13	0.0	-132.47	-27.84	5.51	10.43	-6.32	1.90
		-6.60	-6.32	3.93e-05		85.0	-132.47	10.82	5.51	10.10	-1.64	-5.33
141	17	6.21	13.70	-4.23e-05	-49.00	0.0	100.24	-20.87	-19.86	-10.79	13.70	6.21
		-2.08	-3.18	-3.22e-05		85.0	100.24	1.63	-19.86	-10.48	-3.18	-2.03
141	18	2.01	-1.66	-1.54e-05	-74.67	0.0	-136.29	-28.06	6.64	12.28	-7.31	2.01
		-6.47	-7.31	4.96e-05		85.0	-136.29	11.29	6.64	11.92	-1.66	-5.09
141	19	2.32	-7.12	-1.08e-05	-63.62	0.0	-47.87	-20.06	-9.17	5.65	-7.12	2.32
		-2.74	-14.92	5.55e-06		85.0	-47.87	13.57	-9.17	5.51	-14.92	-0.42

141	20	5.20	3.36	-2.87e-05	-59.78	0.0	-28.35	-30.38	-2.00	-1.10	3.36	5.20
		-7.24	1.66	6.11e-06		85.0	-28.35	1.23	-2.00	-1.16	1.66	-7.23
141	21	2.33	-6.85	-8.19e-06	-63.24	0.0	-46.03	-20.07	-9.53	5.17	-6.85	2.33
		-2.77	-14.95	3.63e-06		85.0	-46.03	13.40	-9.53	5.03	-14.95	-0.49
141	22	5.19	3.09	-2.61e-05	-60.05	0.0	-30.19	-30.37	-1.64	-0.62	3.09	5.19
		-7.18	1.69	8.77e-06		85.0	-30.19	1.40	-1.64	-0.69	1.69	-7.16
141	23	5.43	2.10	-2.24e-05	-53.49	0.0	46.47	-22.87	-15.53	-5.03	2.10	5.43
		-2.77	-11.10	-2.47e-05		85.0	46.47	4.34	-15.53	-4.93	-11.10	-2.48
141	24	2.09	-2.16	-4.51e-06	-71.90	0.0	-122.69	-27.57	4.36	9.58	-5.86	2.09
		-6.39	-5.86	3.58e-05		85.0	-122.69	10.46	4.36	9.28	-2.16	-5.17
141	25	5.33	2.99	-3.07e-05	-52.91	0.0	49.90	-22.67	-16.54	-6.69	2.99	5.33
		-2.93	-11.08	-3.39e-05		85.0	49.90	3.91	-16.54	-6.56	-11.08	-2.69
141	26	2.19	-2.18	-1.28e-05	-73.27	0.0	-126.12	-27.77	5.37	11.24	-6.75	2.19
		-6.25	-6.75	4.50e-05		85.0	-126.12	10.89	5.37	10.91	-2.18	-4.96
144	1	9.03	1.48	-2.64e-05	-76.34	0.0	-15.90	-29.07	0.77	2.82	0.44	4.88
		-4.03	0.44	1.11e-05		135.4	-15.90	35.34	0.77	2.71	1.48	9.03
144	2	11.17	2.47	-3.69e-05	-88.94	0.0	-10.04	-35.38	0.32	2.56	2.03	6.16
		-4.70	2.03	1.73e-05		135.4	-10.04	42.99	0.32	2.51	2.47	11.17
144	3	5.63	0.53	-1.38e-05	-50.98	0.0	-15.84	-18.48	0.87	2.33	-0.65	2.97
		-2.69	-0.65	4.68e-06		135.4	-15.84	22.47	0.87	2.20	0.53	5.63
144	4	7.77	1.52	-2.44e-05	-63.57	0.0	-9.98	-24.79	0.42	2.07	0.95	4.25
		-3.36	0.95	1.09e-05		135.4	-9.98	30.13	0.42	2.01	1.52	7.77
144	5	6.77	1.06	-1.94e-05	-57.69	0.0	-12.71	-21.84	0.63	2.19	0.21	3.65
		-3.04	0.21	8.01e-06		135.4	-12.71	26.56	0.63	2.10	1.06	6.77
144	6	8.20	1.72	-2.65e-05	-66.09	0.0	-8.80	-26.05	0.33	2.01	1.27	4.50
		-3.49	1.27	1.22e-05		135.4	-8.80	31.66	0.33	1.97	1.72	8.20
144	7	6.77	1.06	-1.94e-05	-57.69	0.0	-12.71	-21.84	0.63	2.19	0.21	3.65
		-3.04	0.21	8.01e-06		135.4	-12.71	26.56	0.63	2.10	1.06	6.77
144	8	7.77	1.52	-2.44e-05	-63.57	0.0	-9.98	-24.79	0.42	2.07	0.95	4.25
		-3.36	0.95	1.09e-05		135.4	-9.98	30.13	0.42	2.01	1.52	7.77
144	9	6.77	1.06	-1.94e-05	-57.69	0.0	-12.71	-21.84	0.63	2.19	0.21	3.65
		-3.04	0.21	8.01e-06		135.4	-12.71	26.56	0.63	2.10	1.06	6.77
144	10	7.63	1.46	-2.37e-05	-62.73	0.0	-10.37	-24.37	0.45	2.08	0.84	4.16
		-3.31	0.84	1.05e-05		135.4	-10.37	29.62	0.45	2.02	1.46	7.63
144	11	11.72	3.80	0.0	-61.63	0.0	19.32	-15.79	-2.64	10.09	3.80	0.29
		-3.18	0.23	2.13e-04		135.4	19.32	32.68	-2.64	10.68	0.23	11.72
144	12	8.70	-2.13	-5.37e-05	-64.11	0.0	-2.98	-30.99	1.04	1.12	-3.54	8.70
		-3.21	-3.54	-3.57e-05		135.4	-2.98	24.15	1.04	1.08	-2.13	3.87
144	13	11.57	3.58	-4.60e-06	-61.80	0.0	19.65	-16.13	-2.82	9.84	3.58	0.55
		-3.07	-0.24	2.07e-04		135.4	19.65	32.44	-2.82	10.44	-0.24	11.57
144	14	8.44	-1.67	-4.97e-05	-63.97	0.0	-3.32	-30.65	1.22	1.37	-3.32	8.44
		-3.22	-3.32	-3.03e-05		135.4	-3.32	24.39	1.22	1.33	-1.67	4.02
144	15	8.39	4.64	-3.68e-05	-60.58	0.0	118.27	-19.45	-5.64e-03	12.48	4.64	6.82
		0.59	4.63	2.15e-04		135.4	118.27	21.98	-5.64e-03	13.76	4.63	8.39
144	16	7.20	-4.38	-1.76e-05	-75.01	0.0	-101.94	-27.33	-1.59	-1.27	-4.38	2.17
		-5.98	-6.54	-3.82e-05		135.4	-101.94	34.86	-1.59	-1.99	-6.54	7.20
144	17	7.97	4.31	-5.13e-05	-60.80	0.0	117.72	-20.13	-0.50	10.97	4.31	7.21
		0.54	3.64	1.93e-04		135.4	117.72	21.53	-0.50	12.23	3.64	7.97
144	18	7.63	-4.05	-3.03e-06	-74.39	0.0	-101.38	-26.65	-1.10	0.24	-4.05	1.78
		-5.98	-5.54	-1.57e-05		135.4	-101.38	35.31	-1.10	-0.46	-5.54	7.63
144	19	10.99	4.77	-3.26e-06	-61.92	0.0	-16.99	-18.44	-0.08	2.95	4.77	0.10
		-4.22	4.67	5.19e-05		135.4	-16.99	34.52	-0.08	2.86	4.67	10.99
144	20	8.23	-1.76	-5.06e-05	-63.96	0.0	-3.74	-30.30	0.98	1.22	-3.09	8.23
		-3.17	-3.09	-3.09e-05		135.4	-3.74	24.72	0.98	1.18	-1.76	4.26
144	21	10.86	4.58	0.0	-61.91	0.0	-16.69	-18.74	-0.24	2.73	4.58	0.33
		-4.14	4.25	4.70e-05		135.4	-16.69	34.30	-0.24	2.64	4.25	10.86
144	22	8.00	-1.34	-4.70e-05	-63.85	0.0	-4.05	-30.00	1.14	1.44	-2.89	8.00
		-3.18	-2.89	-2.60e-05		135.4	-4.05	24.93	1.14	1.40	-1.34	4.40
144	23	8.01	8.62	-2.91e-05	-59.65	0.0	71.71	-21.72	2.28	5.09	5.53	5.95
		-0.92	5.53	5.42e-05		135.4	71.71	24.92	2.28	5.62	8.62	8.01
144	24	7.25	-3.84	-1.82e-05	-73.74	0.0	-92.45	-27.02	-1.38	-0.92	-3.84	2.38
		-5.71	-5.71	-3.32e-05		135.4	-92.45	34.31	-1.38	-1.58	-5.71	7.25
144	25	7.63	7.72	-4.21e-05	-59.85	0.0	71.21	-22.32	1.84	3.73	5.23	6.30
		-0.96	5.23	3.39e-05		135.4	71.21	24.52	1.84	4.25	7.72	7.63
144	26	7.63	-3.54	-5.17e-06	-73.18	0.0	-91.95	-26.41	-0.94	0.43	-3.54	2.03
		-5.71	-4.81	-1.29e-05		135.4	-91.95	34.72	-0.94	-0.21	-4.81	7.63
145	1	10.82	-0.92	-2.84e-05	-79.28	0.0	1.85	-40.78	-0.24	0.29	-0.92	10.82
		-5.80	-1.30	-3.56e-06		159.4	1.85	39.24	-0.24	0.25	-1.30	9.45
145	2	13.38	-1.25	-3.76e-05	-93.30	0.0	9.15	-49.93	-1.40	-0.18	-1.25	13.38
		-6.98	-3.49	9.52e-06		159.4	9.15	48.05	-1.40	-0.18	-3.49	11.69
145	3	6.74	0.35	-1.62e-05	-52.37	0.0	-3.07	-25.73	0.54	0.52	-0.51	6.74
		-3.74	-0.51	-1.08e-05		159.4	-3.07	24.77	0.54	0.46	0.35	5.89
145	4	9.31	-0.84	-2.54e-05	-66.37	0.0	4.23	-34.89	-0.63	0.04	-0.84	9.31
		-4.92	-1.84	2.50e-06		159.4	4.23	33.57	-0.63	0.03	-1.84	8.13

145	5	8.11	-0.68	-2.11e-05	-59.84	0.0	0.82	-30.62	-0.09	0.26	-0.68	8.11
		-4.37	-0.82	-3.81e-06		159.4	0.82	29.46	-0.09	0.23	-0.82	7.09
145	6	9.82	-0.90	-2.72e-05	-69.17	0.0	5.69	-36.72	-0.86	-0.05	-0.90	9.82
		-5.15	-2.28	4.91e-06		159.4	5.69	35.33	-0.86	-0.06	-2.28	8.58
145	7	8.11	-0.68	-2.11e-05	-59.84	0.0	0.82	-30.62	-0.09	0.26	-0.68	8.11
		-4.37	-0.82	-3.81e-06		159.4	0.82	29.46	-0.09	0.23	-0.82	7.09
145	8	9.31	-0.84	-2.54e-05	-66.37	0.0	4.23	-34.89	-0.63	0.04	-0.84	9.31
		-4.92	-1.84	2.50e-06		159.4	4.23	33.57	-0.63	0.03	-1.84	8.13
145	9	8.11	-0.68	-2.11e-05	-59.84	0.0	0.82	-30.62	-0.09	0.26	-0.68	8.11
		-4.37	-0.82	-3.81e-06		159.4	0.82	29.46	-0.09	0.23	-0.82	7.09
145	10	9.14	-0.82	-2.47e-05	-65.44	0.0	3.74	-34.28	-0.55	0.07	-0.82	9.14
		-4.84	-1.70	1.79e-06		159.4	3.74	32.99	-0.55	0.06	-1.70	7.98
145	11	10.70	-5.33	-2.16e-05	-60.13	0.0	53.73	-25.35	-5.82	-11.76	-5.33	6.64
		-2.50	-14.60	-9.93e-06		159.4	53.73	30.31	-5.82	-11.21	-14.60	10.70
145	12	11.85	8.15	-6.72e-05	-71.69	0.0	-24.48	-40.64	3.89	-1.05	1.96	11.85
		-6.14	1.96	-6.81e-05		159.4	-24.48	33.31	3.89	-1.11	8.15	5.67
145	13	10.89	-5.55	-1.62e-05	-60.62	0.0	50.98	-25.57	-5.40	-11.86	-5.55	6.56
		-2.62	-14.16	-2.36e-05		159.4	50.98	30.90	-5.40	-11.33	-14.16	10.89
145	14	11.93	7.71	-6.17e-05	-70.89	0.0	-21.73	-40.43	3.48	-0.94	2.17	11.93
		-6.05	2.17	-5.44e-05		159.4	-21.73	32.72	3.48	-1.00	7.71	5.48
145	15	11.64	5.55	0.0	-59.80	0.0	83.34	-28.96	-10.26	-22.21	5.55	11.64
		-1.32	-10.79	5.84e-05		159.4	83.34	22.61	-10.26	-21.24	-10.79	6.58
145	16	9.80	4.34	-4.50e-05	-76.44	0.0	-54.09	-37.04	8.33	9.41	-8.93	6.86
		-7.22	-8.93	-1.36e-04		159.4	-54.09	41.01	8.33	8.91	4.34	9.80
145	17	11.75	4.46	-2.04e-05	-61.36	0.0	75.75	-30.33	-9.41	-21.71	4.46	11.75
		-1.77	-10.54	2.62e-05		159.4	75.75	24.12	-9.41	-20.80	-10.54	6.70
145	18	9.67	4.09	-2.51e-05	-73.93	0.0	-46.50	-35.67	7.48	8.90	-7.84	6.75
		-6.76	-7.84	-1.04e-04		159.4	-46.50	39.50	7.48	8.47	4.09	9.67
145	19	10.05	-3.30	-1.33e-05	-60.53	0.0	29.04	-28.57	-4.53	1.08	-3.30	6.70
		-3.85	-10.52	6.37e-05		159.4	29.04	32.69	-4.53	1.11	-10.52	10.05
145	20	11.57	7.13	-6.28e-05	-71.04	0.0	-21.55	-39.98	3.43	-0.93	1.67	11.57
		-5.99	1.67	-6.09e-05		159.4	-21.55	33.28	3.43	-0.99	7.13	5.91
145	21	10.22	-3.49	-8.37e-06	-60.97	0.0	26.57	-28.77	-4.16	0.99	-3.49	6.63
		-3.96	-10.13	5.15e-05		159.4	26.57	33.22	-4.16	1.00	-10.13	10.22
145	22	11.64	6.74	-5.79e-05	-70.32	0.0	-19.09	-39.79	3.06	-0.84	1.86	11.64
		-5.91	1.86	-4.86e-05		159.4	-19.09	32.75	3.06	-0.89	6.74	5.74
145	23	11.18	6.46	-6.55e-06	-60.23	0.0	55.58	-31.81	-8.51	-8.29	6.46	11.18
		-2.83	-7.11	1.25e-04		159.4	55.58	25.79	-8.51	-7.88	-7.11	6.35
145	24	9.61	3.72	-4.29e-05	-75.30	0.0	-48.09	-36.75	7.41	8.44	-8.09	7.10
		-6.97	-8.09	-1.22e-04		159.4	-48.09	40.18	7.41	7.99	3.72	9.61
145	25	11.28	5.48	-2.44e-05	-61.63	0.0	48.78	-33.03	-7.75	-7.84	5.48	11.28
		-3.23	-6.88	9.61e-05		159.4	48.78	27.15	-7.75	-7.49	-6.88	6.46
145	26	9.50	3.49	-2.51e-05	-72.97	0.0	-41.29	-35.52	6.65	7.99	-7.11	6.99
		-6.56	-7.11	-9.33e-05		159.4	-41.29	38.82	6.65	7.60	3.49	9.50
148	1	9.60	2.65	-2.58e-05	-75.86	0.0	-25.09	-27.72	1.71	4.21	0.33	4.21
		-4.02	0.33	1.19e-05		135.4	-25.09	35.84	1.71	4.05	2.65	9.60
148	2	11.91	4.19	-3.69e-05	-88.11	0.0	-20.72	-33.53	1.21	3.76	2.55	5.19
		-4.72	2.55	1.06e-05		135.4	-20.72	43.65	1.21	3.66	4.19	11.91
148	3	5.96	1.09	-1.31e-05	-50.82	0.0	-22.00	-17.75	1.63	3.52	-1.11	2.63
		-2.66	-1.11	9.91e-06		135.4	-22.00	22.76	1.63	3.35	1.09	5.96
148	4	8.27	2.63	-2.41e-05	-63.07	0.0	-17.62	-23.56	1.12	3.06	1.11	3.62
		-3.36	1.11	8.64e-06		135.4	-17.62	30.57	1.12	2.96	2.63	8.27
148	5	7.20	1.91	-1.90e-05	-57.35	0.0	-19.66	-20.85	1.36	3.28	0.07	3.15
		-3.03	0.07	9.23e-06		135.4	-19.66	26.93	1.36	3.14	1.91	7.20
148	6	8.74	2.94	-2.63e-05	-65.52	0.0	-16.74	-24.72	1.02	2.97	1.55	3.81
		-3.50	1.55	8.39e-06		135.4	-16.74	32.13	1.02	2.89	2.94	8.74
148	7	7.20	1.91	-1.90e-05	-57.35	0.0	-19.66	-20.85	1.36	3.28	0.07	3.15
		-3.03	0.07	9.23e-06		135.4	-19.66	26.93	1.36	3.14	1.91	7.20
148	8	8.27	2.63	-2.41e-05	-63.07	0.0	-17.62	-23.56	1.12	3.06	1.11	3.62
		-3.36	1.11	8.64e-06		135.4	-17.62	30.57	1.12	2.96	2.63	8.27
148	9	7.20	1.91	-1.90e-05	-57.35	0.0	-19.66	-20.85	1.36	3.28	0.07	3.15
		-3.03	0.07	9.23e-06		135.4	-19.66	26.93	1.36	3.14	1.91	7.20
148	10	8.12	2.53	-2.34e-05	-62.25	0.0	-17.91	-23.17	1.16	3.10	0.96	3.55
		-3.31	0.96	8.72e-06		135.4	-17.91	30.05	1.16	2.99	2.53	8.12
148	11	11.79	15.56	-2.31e-06	-60.44	0.0	4.42	-15.73	-3.72	13.98	15.56	0.31
		-3.15	10.52	1.99e-04		135.4	4.42	32.70	-3.72	14.36	10.52	11.79
148	12	7.01	-2.28	-5.47e-05	-62.62	0.0	-2.34	-27.82	2.63	2.17	-5.84	7.01
		-2.88	-5.84	-1.72e-05		135.4	-2.34	25.56	2.63	2.11	-2.28	5.28
148	13	11.76	15.43	-6.46e-06	-60.52	0.0	5.48	-15.80	-3.87	13.78	15.43	0.41
		-3.08	10.20	1.95e-04		135.4	5.48	32.60	-3.87	14.17	10.20	11.76
148	14	6.91	-1.95	-5.06e-05	-62.63	0.0	-3.39	-27.75	2.78	2.37	-5.71	6.91
		-2.93	-5.71	-1.32e-05		135.4	-3.39	25.66	2.78	2.30	-1.95	5.31
148	15	10.14	13.84	-4.66e-05	-58.00	0.0	113.76	-16.29	1.66	19.61	11.59	5.23
		0.71	11.59	2.11e-04		135.4	113.76	23.79	1.66	20.61	13.84	10.14

148	16	6.93	-1.87	-1.04e-05	-74.30	0.0	-111.68	-27.26	-2.75	-3.46	-1.87	2.09
		-6.07	-5.59	-2.85e-05		135.4	-111.68	34.47	-2.75	-4.14	-5.59	6.93
148	17	9.87	12.75	-6.11e-05	-57.96	0.0	114.97	-16.43	1.24	18.13	11.07	5.38
		0.71	11.07	1.91e-04		135.4	114.97	23.40	1.24	19.14	12.75	9.87
148	18	7.20	-1.35	-4.07e-06	-74.28	0.0	-112.89	-27.11	-2.33	-1.98	-1.35	1.94
		-6.08	-4.50	-9.22e-06		135.4	-112.89	34.86	-2.33	-2.67	-4.50	7.20
148	19	10.66	7.06	-4.70e-06	-62.50	0.0	-31.87	-19.00	-0.17	3.92	7.06	0.44
		-4.15	6.84	3.19e-05		135.4	-31.87	34.08	-0.17	3.78	6.84	10.66
148	20	6.66	-1.78	-5.15e-05	-62.58	0.0	-3.96	-27.34	2.48	2.27	-5.14	6.66
		-2.91	-5.14	-1.45e-05		135.4	-3.96	26.02	2.48	2.20	-1.78	5.58
148	21	10.64	6.94	0.0	-62.35	0.0	-30.92	-19.07	-0.30	3.74	6.94	0.54
		-4.09	6.54	2.83e-05		135.4	-30.92	33.98	-0.30	3.61	6.54	10.64
148	22	6.56	-1.49	-4.78e-05	-62.60	0.0	-4.90	-27.27	2.61	2.45	-5.02	6.56
		-2.95	-5.02	-1.09e-05		135.4	-4.90	26.12	2.61	2.37	-1.49	5.60
148	23	9.18	9.80	-3.50e-05	-58.17	0.0	66.14	-19.51	4.66	8.97	3.50	4.86
		-0.84	3.50	4.21e-05		135.4	66.14	26.09	4.66	9.38	9.80	9.18
148	24	7.05	-1.58	-1.18e-05	-73.05	0.0	-101.96	-26.83	-2.34	-2.78	-1.58	2.24
		-5.78	-4.75	-2.47e-05		135.4	-101.96	34.01	-2.34	-3.40	-4.75	7.05
148	25	8.94	8.83	-4.80e-05	-58.14	0.0	67.23	-19.64	4.28	7.64	3.03	4.99
		-0.83	3.03	2.48e-05		135.4	67.23	25.74	4.28	8.06	8.83	8.94
148	26	7.30	-1.11	1.55e-06	-73.04	0.0	-103.05	-26.70	-1.97	-1.45	-1.11	2.11
		-5.79	-3.77	-7.36e-06		135.4	-103.05	34.36	-1.97	-2.08	-3.77	7.30
149	1	11.43	-0.52	-2.82e-05	-78.47	0.0	1.03	-37.99	-0.14	0.48	-0.52	9.22
		-5.40	-0.75	2.45e-06		159.4	1.03	40.95	-0.14	0.43	-0.75	11.43
149	2	14.11	-0.09	-3.80e-05	-92.19	0.0	8.73	-46.45	-0.77	-0.08	-0.09	11.41
		-6.47	-1.31	1.85e-05		159.4	8.73	50.09	-0.77	-0.07	-1.31	14.11
149	3	7.14	-0.22	-1.57e-05	-51.95	0.0	-3.95	-24.02	0.28	0.72	-0.67	5.74
		-3.50	-0.67	-7.99e-06		159.4	-3.95	25.87	0.28	0.65	-0.22	7.14
149	4	9.82	-0.24	-2.55e-05	-65.61	0.0	3.75	-32.48	-0.35	0.16	-0.24	7.93
		-4.57	-0.79	8.06e-06		159.4	3.75	35.02	-0.35	0.14	-0.79	9.82
149	5	8.57	-0.44	-2.09e-05	-59.24	0.0	0.16	-28.53	-0.06	0.42	-0.44	6.91
		-4.07	-0.53	0.0		159.4	0.16	30.75	-0.06	0.38	-0.53	8.57
149	6	10.36	-0.15	-2.74e-05	-68.35	0.0	5.29	-34.17	-0.47	0.04	-0.15	8.37
		-4.78	-0.91	1.13e-05		159.4	5.29	36.84	-0.47	0.04	-0.91	10.36
149	7	8.57	-0.44	-2.09e-05	-59.24	0.0	0.16	-28.53	-0.06	0.42	-0.44	6.91
		-4.07	-0.53	0.0		159.4	0.16	30.75	-0.06	0.38	-0.53	8.57
149	8	9.82	-0.24	-2.55e-05	-65.61	0.0	3.75	-32.48	-0.35	0.16	-0.24	7.93
		-4.57	-0.79	8.06e-06		159.4	3.75	35.02	-0.35	0.14	-0.79	9.82
149	9	8.57	-0.44	-2.09e-05	-59.24	0.0	0.16	-28.53	-0.06	0.42	-0.44	6.91
		-4.07	-0.53	0.0		159.4	0.16	30.75	-0.06	0.38	-0.53	8.57
149	10	9.64	-0.26	-2.48e-05	-64.70	0.0	3.24	-31.91	-0.31	0.19	-0.26	7.79
		-4.49	-0.75	6.99e-06		159.4	3.24	34.41	-0.31	0.17	-0.75	9.64
149	11	12.60	-6.81	-1.51e-05	-61.64	0.0	51.24	-23.45	-1.96	-8.30	-6.81	4.97
		-2.75	-9.94	5.98e-05		159.4	51.24	32.92	-1.96	-7.54	-9.94	12.60
149	12	11.72	1.61	-6.33e-05	-69.53	0.0	-19.11	-39.39	1.65	-0.68	-1.02	11.72
		-5.76	-1.02	-7.98e-05		159.4	-19.11	32.08	1.65	-0.72	1.61	5.57
149	13	12.47	-7.26	-1.01e-05	-62.00	0.0	48.76	-23.89	-1.86	-8.48	-7.26	5.09
		-2.85	-10.22	4.67e-05		159.4	48.76	33.08	-1.86	-7.73	-10.22	12.47
149	14	11.60	1.89	-5.83e-05	-68.91	0.0	-16.63	-38.95	1.55	-0.50	-0.57	11.60
		-5.62	-0.57	-6.67e-05		159.4	-16.63	31.91	1.55	-0.53	1.89	5.70
149	15	12.06	2.23	-8.68e-06	-61.65	0.0	97.49	-29.75	-3.42	-16.63	2.23	12.06
		-1.68	-3.22	9.39e-05		159.4	97.49	21.64	-3.42	-15.23	-3.22	5.55
149	16	12.62	-5.11	-3.95e-05	-76.30	0.0	-65.36	-33.08	3.11	7.66	-10.06	4.63
		-6.86	-10.06	-1.14e-04		159.4	-65.36	43.36	3.11	6.97	-5.11	12.62
149	17	12.32	1.33	-2.74e-05	-62.64	0.0	90.96	-31.01	-3.45	-16.53	1.33	12.32
		-2.07	-4.17	6.40e-05		159.4	90.96	22.52	-3.45	-15.21	-4.17	5.41
149	18	12.76	-4.17	-2.07e-05	-74.27	0.0	-58.82	-31.82	3.14	7.56	-9.17	4.37
		-6.52	-9.17	-8.40e-05		159.4	-58.82	42.48	3.14	6.95	-4.17	12.76
149	19	13.29	0.41	-9.64e-06	-60.79	0.0	23.27	-25.22	-2.06	0.97	0.41	4.26
		-3.89	-2.87	8.48e-05		159.4	23.27	36.49	-2.06	0.98	-2.87	13.29
149	20	11.31	1.36	-5.93e-05	-69.03	0.0	-16.79	-38.61	1.45	-0.59	-0.94	11.31
		-5.60	-0.94	-7.08e-05		159.4	-16.79	32.32	1.45	-0.63	1.36	5.99
149	21	13.18	0.01	-5.15e-06	-61.20	0.0	21.05	-25.61	-1.97	0.81	0.01	4.37
		-3.98	-3.12	7.30e-05		159.4	21.05	36.64	-1.97	0.81	-3.12	13.18
149	22	11.20	1.62	-5.48e-05	-68.47	0.0	-14.57	-38.22	1.35	-0.43	-0.54	11.20
		-5.47	-0.54	-5.90e-05		159.4	-14.57	32.17	1.35	-0.46	1.62	6.11
149	23	10.62	8.52	-1.17e-05	-60.70	0.0	64.73	-30.87	-3.37	-6.50	8.52	10.62
		-2.66	3.15	1.15e-04		159.4	64.73	26.38	-3.37	-5.92	3.15	6.98
149	24	12.31	-4.66	-3.79e-05	-75.10	0.0	-58.25	-32.96	2.75	6.88	-9.05	4.96
		-6.60	-9.05	-1.01e-04		159.4	-58.25	42.43	2.75	6.27	-4.66	12.31
149	25	10.85	7.72	-2.85e-05	-61.63	0.0	58.87	-32.00	-3.39	-6.41	7.72	10.85
		-3.01	2.31	8.85e-05		159.4	58.87	27.17	-3.39	-5.90	2.31	6.86
149	26	12.43	-3.81	-2.11e-05	-73.20	0.0	-52.39	-31.83	2.78	6.79	-8.24	4.73
		-6.30	-8.24	-7.45e-05		159.4	-52.39	41.64	2.78	6.24	-3.81	12.43

152	1	12.42	0.66	2.69e-05	-76.96	0.0	-5.62	-26.17	0.41	1.72	0.11	3.76
		-3.34	0.11	9.05e-06		135.4	-5.62	39.12	0.41	1.65	0.66	12.42
152	2	15.30	1.25	3.70e-05	-89.89	0.0	1.90	-31.93	0.04	1.36	1.20	4.79
		-3.88	1.20	1.92e-05		135.4	1.90	47.65	0.04	1.35	1.25	15.30
152	3	7.79	0.14	1.45e-05	-51.24	0.0	-8.95	-16.58	0.54	1.55	-0.59	2.25
		-2.24	-0.59	0.0		135.4	-8.95	24.84	0.54	1.45	0.14	7.79
152	4	10.66	0.74	2.46e-05	-64.17	0.0	-1.43	-22.35	0.17	1.19	0.51	3.29
		-2.78	0.51	1.09e-05		135.4	-1.43	33.37	0.17	1.15	0.74	10.66
152	5	9.32	0.46	1.99e-05	-58.14	0.0	-4.94	-19.65	0.34	1.35	-3.59e-03	2.81
		-2.53	-3.59e-03	6.13e-06		135.4	-4.94	29.39	0.34	1.29	0.46	9.32
152	6	11.24	0.85	2.66e-05	-66.76	0.0	0.07	-23.50	0.10	1.11	0.72	3.50
		-2.89	0.72	1.29e-05		135.4	0.07	35.08	0.10	1.09	0.85	11.24
152	7	9.32	0.46	1.99e-05	-58.14	0.0	-4.94	-19.65	0.34	1.35	-3.59e-03	2.81
		-2.53	-3.59e-03	6.13e-06		135.4	-4.94	29.39	0.34	1.29	0.46	9.32
152	8	10.66	0.74	2.46e-05	-64.17	0.0	-1.43	-22.35	0.17	1.19	0.51	3.29
		-2.78	0.51	1.09e-05		135.4	-1.43	33.37	0.17	1.15	0.74	10.66
152	9	9.32	0.46	1.99e-05	-58.14	0.0	-4.94	-19.65	0.34	1.35	-3.59e-03	2.81
		-2.53	-3.59e-03	6.13e-06		135.4	-4.94	29.39	0.34	1.29	0.46	9.32
152	10	10.47	0.70	2.39e-05	-63.31	0.0	-1.93	-21.96	0.19	1.21	0.43	3.22
		-2.74	0.43	1.02e-05		135.4	-1.93	32.80	0.19	1.17	0.70	10.47
152	11	14.49	-4.00	1.78e-06	-62.17	0.0	35.22	-13.34	-1.34	4.85	-4.00	-0.26
		-2.73	-5.81	1.82e-04		135.4	35.22	35.13	-1.34	5.57	-5.81	14.49
152	12	7.71	-2.05	5.36e-05	-65.69	0.0	-4.48	-29.42	0.47	0.27	-2.69	7.71
		-2.67	-2.69	-5.02e-05		135.4	-4.48	27.46	0.47	0.24	-2.05	6.19
152	13	14.28	-4.33	-2.15e-06	-62.42	0.0	34.60	-13.78	-1.51	4.60	-4.33	-0.01
		-2.63	-6.38	1.75e-04		135.4	34.60	34.91	-1.51	5.31	-6.38	14.28
152	14	7.46	-1.49	4.97e-05	-65.41	0.0	-3.86	-28.99	0.64	0.52	-2.36	7.46
		-2.66	-2.36	-4.31e-05		135.4	-3.86	27.67	0.64	0.50	-1.49	6.39
152	15	9.52	-0.36	2.77e-05	-61.96	0.0	119.42	-19.17	-0.31	4.24	-0.36	6.81
		0.92	-0.77	1.86e-04		135.4	119.42	23.32	-0.31	5.66	-0.77	9.52
152	16	11.16	-6.33	2.41e-05	-75.68	0.0	-88.68	-23.60	-0.56	0.88	-6.33	0.64
		-5.38	-7.09	-5.42e-05		135.4	-88.68	39.27	-0.56	0.14	-7.09	11.16
152	17	9.09	-0.66	4.24e-05	-62.49	0.0	116.80	-20.08	-0.83	3.03	-0.66	7.20
		0.84	-1.79	1.62e-04		135.4	116.80	23.10	-0.83	4.42	-1.79	9.09
152	18	11.59	-6.03	9.38e-06	-74.47	0.0	-86.06	-22.69	-0.03	2.08	-6.03	0.25
		-5.36	-6.07	-3.02e-05		135.4	-86.06	39.48	-0.03	1.39	-6.07	11.59
152	19	14.31	3.23	2.75e-06	-61.50	0.0	0.35	-15.27	-0.05	2.05	3.23	-0.81
		-3.77	3.16	6.44e-05		135.4	0.35	37.59	-0.05	2.00	3.16	14.31
152	20	7.25	-1.77	5.05e-05	-65.44	0.0	-4.22	-28.65	0.44	0.37	-2.37	7.25
		-2.65	-2.37	-4.40e-05		135.4	-4.22	28.01	0.44	0.34	-1.77	6.63
152	21	14.12	2.93	0.0	-61.61	0.0	-0.21	-15.67	-0.21	1.83	2.93	-0.58
		-3.70	2.65	5.80e-05		135.4	-0.21	37.40	-0.21	1.78	2.65	14.12
152	22	7.02	-1.26	4.70e-05	-65.19	0.0	-3.66	-28.26	0.60	0.59	-2.07	7.02
		-2.63	-2.07	-3.76e-05		135.4	-3.66	28.21	0.60	0.57	-1.26	6.82
152	23	9.85	7.67	2.37e-05	-60.56	0.0	75.82	-20.50	0.87	1.51	6.50	5.54
		-0.49	6.50	6.79e-05		135.4	75.82	27.00	0.87	2.09	7.67	9.85
152	24	11.09	-5.63	2.41e-05	-74.40	0.0	-79.69	-23.43	-0.48	0.91	-5.63	0.91
		-5.11	-6.28	-4.75e-05		135.4	-79.69	38.60	-0.48	0.25	-6.28	11.09
152	25	9.47	6.76	3.69e-05	-61.04	0.0	73.47	-21.31	0.40	0.43	6.22	5.88
		-0.56	6.22	4.64e-05		135.4	73.47	26.82	0.40	0.98	6.76	9.47
152	26	11.47	-5.36	1.09e-05	-73.32	0.0	-77.34	-22.61	-0.01	1.99	-5.36	0.56
		-5.09	-5.37	-2.60e-05		135.4	-77.34	38.79	-0.01	1.37	-5.37	11.47
153	1	10.63	-1.35	-3.12e-05	-80.19	0.0	-0.94	-41.44	-0.47	0.24	-1.35	10.63
		-6.30	-2.09	-1.18e-05		159.4	-0.94	39.72	-0.47	0.21	-2.09	9.10
153	2	12.94	-3.35	-4.00e-05	-94.52	0.0	6.04	-49.46	-2.71	0.21	-3.35	12.71
		-6.99	-7.67	-1.02e-05		159.4	6.04	50.01	-2.71	0.22	-7.67	12.94
153	3	6.90	1.82	-1.86e-05	-52.90	0.0	-5.02	-26.94	1.02	0.21	0.20	6.90
		-4.42	0.20	-1.01e-05		159.4	-5.02	24.22	1.02	0.16	1.82	4.64
153	4	8.98	-1.80	-2.74e-05	-67.17	0.0	1.96	-34.96	-1.22	0.18	-1.80	8.98
		-5.11	-3.76	-8.46e-06		159.4	1.96	34.51	-1.22	0.16	-3.76	8.48
153	5	8.01	-0.87	-2.33e-05	-60.51	0.0	-1.29	-31.22	-0.18	0.19	-0.87	8.01
		-4.79	-1.15	-9.24e-06		159.4	-1.29	29.71	-0.18	0.16	-1.15	6.69
153	6	9.39	-2.21	-2.91e-05	-70.02	0.0	3.36	-36.56	-1.67	0.17	-2.21	9.39
		-5.25	-4.87	-8.12e-06		159.4	3.36	36.57	-1.67	0.17	-4.87	9.25
153	7	8.01	-0.87	-2.33e-05	-60.51	0.0	-1.29	-31.22	-0.18	0.19	-0.87	8.01
		-4.79	-1.15	-9.24e-06		159.4	-1.29	29.71	-0.18	0.16	-1.15	6.69
153	8	8.98	-1.80	-2.74e-05	-67.17	0.0	1.96	-34.96	-1.22	0.18	-1.80	8.98
		-5.11	-3.76	-8.46e-06		159.4	1.96	34.51	-1.22	0.16	-3.76	8.48
153	9	8.01	-0.87	-2.33e-05	-60.51	0.0	-1.29	-31.22	-0.18	0.19	-0.87	8.01
		-4.79	-1.15	-9.24e-06		159.4	-1.29	29.71	-0.18	0.16	-1.15	6.69
153	10	8.84	-1.67	-2.68e-05	-66.22	0.0	1.50	-34.42	-1.07	0.18	-1.67	8.84
		-5.06	-3.38	-8.57e-06		159.4	1.50	33.82	-1.07	0.16	-3.38	8.22
153	11	16.38	-9.11	-3.00e-05	-57.96	0.0	53.95	-20.89	-15.74	-9.43	-9.11	5.92
		-0.38	-34.19	-8.18e-05		159.4	53.95	33.82	-15.74	-9.12	-34.19	16.38

153	12	11.13	20.55	-7.49e-05	-74.22	0.0	-28.24	-43.04	7.38	-2.10	8.79	11.13
		-8.35	8.79	-2.31e-05		159.4	-28.24	33.61	7.38	-2.20	20.55	3.24
153	13	16.42	-8.64	-2.40e-05	-58.60	0.0	51.76	-21.24	-14.83	-9.50	-8.64	5.74
		-0.67	-32.28	-9.19e-05		159.4	51.76	34.50	-14.83	-9.20	-32.28	16.42
153	14	11.31	18.65	-6.89e-05	-73.23	0.0	-26.05	-42.69	6.48	-2.03	8.32	11.31
		-8.09	8.32	-1.53e-05		159.4	-26.05	32.93	6.48	-2.12	18.65	3.19
153	15	10.67	-0.57	-8.90e-06	-56.94	0.0	75.38	-25.10	-26.75	-19.37	-0.57	9.65
		-0.08	-43.20	2.52e-05		159.4	75.38	26.32	-26.75	-18.85	-43.20	10.67
153	16	8.94	29.57	-5.37e-05	-77.03	0.0	-49.67	-38.82	18.39	7.84	0.26	7.40
		-7.75	0.26	-1.16e-04		159.4	-49.67	41.11	18.39	7.54	29.57	8.94
153	17	10.26	-0.53	-1.27e-05	-59.15	0.0	67.34	-27.18	-23.95	-19.24	-0.53	9.74
		-0.98	-38.70	-1.60e-05		159.4	67.34	27.92	-23.95	-18.78	-38.70	10.26
153	18	9.35	25.07	-3.21e-05	-73.53	0.0	-41.63	-36.75	15.60	7.71	0.21	7.32
		-6.86	0.21	-8.53e-05		159.4	-41.63	39.51	15.60	7.46	25.07	9.35
153	19	12.69	-11.05	-1.63e-05	-60.28	0.0	28.15	-26.70	-8.65	2.22	-11.05	6.78
		-2.54	-24.84	1.37e-05		159.4	28.15	34.02	-8.65	2.28	-24.84	12.69
153	20	10.89	18.07	-6.99e-05	-73.39	0.0	-25.16	-42.15	6.50	-1.86	7.71	10.89
		-7.99	7.71	-2.12e-05		159.4	-25.16	33.63	6.50	-1.95	18.07	3.75
153	21	12.73	-10.63	-1.09e-05	-60.85	0.0	26.19	-27.02	-7.84	2.16	-10.63	6.62
		-2.80	-23.13	8.42e-06		159.4	26.19	34.62	-7.84	2.21	-23.13	12.73
153	22	11.06	16.36	-6.45e-05	-72.50	0.0	-23.19	-41.83	5.70	-1.80	7.29	11.06
		-7.76	7.29	-1.41e-05		159.4	-23.19	33.02	5.70	-1.88	16.36	3.71
153	23	10.13	-3.40	-2.62e-06	-59.36	0.0	47.37	-30.48	-18.52	-6.69	-3.40	10.13
		-2.66	-32.92	8.74e-05		159.4	47.37	27.30	-18.52	-6.44	-32.92	7.58
153	24	8.87	26.15	-5.09e-05	-75.91	0.0	-44.37	-38.37	16.37	7.05	0.06	7.55
		-7.47	0.06	-1.05e-04		159.4	-44.37	40.35	16.37	6.77	26.15	8.87
153	25	10.20	-3.36	-2.20e-05	-61.34	0.0	40.15	-32.34	-16.02	-6.57	-3.36	10.20
		-3.46	-28.89	6.02e-05		159.4	40.15	28.73	-16.02	-6.38	-28.89	7.21
153	26	9.23	22.12	-3.16e-05	-72.74	0.0	-37.16	-36.51	13.87	6.93	0.02	7.47
		-6.67	0.02	-7.73e-05		159.4	-37.16	38.92	13.87	6.70	22.12	9.23
155	1	15.27	2.88	-1.47e-05	-82.22	0.0	23.66	-36.89	2.87	5.18	-1.76	6.90
		-6.23	-1.76	-5.38e-06		162.1	23.66	47.32	2.87	5.33	2.88	15.27
155	2	20.35	5.38	-4.68e-05	-101.02	0.0	42.45	-44.41	5.60	10.41	-3.69	6.76
		-8.40	-3.69	-2.00e-05		162.1	42.45	61.49	5.60	10.77	5.38	20.35
155	3	8.61	0.68	-8.44e-06	-52.14	0.0	6.63	-23.75	0.52	0.77	-0.17	5.39
		-3.46	-0.17	4.83e-06		162.1	6.63	27.68	0.52	0.75	0.68	8.61
155	4	13.70	3.18	-2.36e-05	-70.48	0.0	25.43	-31.27	3.25	6.00	-2.10	5.25
		-5.63	-2.10	-9.75e-06		162.1	25.43	41.85	3.25	6.19	3.18	13.70
155	5	11.33	2.01	-8.67e-06	-61.70	0.0	16.66	-27.76	1.98	3.56	-1.20	5.32
		-4.61	-1.20	-2.95e-06		162.1	16.66	35.23	1.98	3.65	2.01	11.33
155	6	14.72	3.68	-3.01e-05	-74.23	0.0	29.19	-32.77	3.80	7.04	-2.48	5.23
		-6.06	-2.48	-1.27e-05		162.1	29.19	44.68	3.80	7.28	3.68	14.72
155	7	11.33	2.01	-8.67e-06	-61.70	0.0	16.66	-27.76	1.98	3.56	-1.20	5.32
		-4.61	-1.20	-2.95e-06		162.1	16.66	35.23	1.98	3.65	2.01	11.33
155	8	13.70	3.18	-2.36e-05	-70.48	0.0	25.43	-31.27	3.25	6.00	-2.10	5.25
		-5.63	-2.10	-9.75e-06		162.1	25.43	41.85	3.25	6.19	3.18	13.70
155	9	11.33	2.01	-8.67e-06	-61.70	0.0	16.66	-27.76	1.98	3.56	-1.20	5.32
		-4.61	-1.20	-2.95e-06		162.1	16.66	35.23	1.98	3.65	2.01	11.33
155	10	13.36	3.01	-2.15e-05	-69.22	0.0	24.17	-30.77	3.07	5.65	-1.97	5.26
		-5.48	-1.97	-8.78e-06		162.1	24.17	40.90	3.07	5.83	3.01	13.36
155	11	10.07	17.19	-8.24e-05	-66.72	0.0	49.39	-30.33	7.76	8.27	4.61	8.29
		-3.66	4.61	-1.30e-04		162.1	49.39	33.06	7.76	8.93	17.19	10.07
155	12	12.65	-7.55	-3.74e-06	-74.00	0.0	-3.96	-35.01	-0.40	2.86	-7.55	5.93
		-6.74	-8.21	9.03e-05		162.1	-3.96	43.28	-0.40	2.66	-8.21	12.65
155	13	10.41	16.40	-7.77e-05	-66.97	0.0	48.03	-30.29	7.53	7.97	4.19	8.00
		-3.77	4.19	-1.33e-04		162.1	48.03	33.77	7.53	8.60	16.40	10.41
155	14	12.31	-7.13	2.19e-06	-73.26	0.0	-2.60	-35.04	-0.17	3.17	-7.13	6.21
		-6.60	-7.42	9.29e-05		162.1	-2.60	42.57	-0.17	3.00	-7.42	12.31
155	15	16.44	6.43	-1.41e-04	-68.50	0.0	20.01	-41.72	4.65	5.19	-1.11	16.44
		-5.36	-1.11	-8.66e-05		162.1	20.01	24.49	4.65	5.67	6.43	1.74
155	16	20.98	2.55	-6.23e-05	-71.84	0.0	25.42	-23.62	2.71	5.94	-1.83	-2.22
		-8.13	-1.83	4.65e-05		162.1	25.42	51.85	2.71	5.93	2.55	20.98
155	17	15.39	6.18	-1.25e-04	-69.32	0.0	17.28	-41.64	4.19	4.37	-0.61	15.39
		-5.49	-0.61	-9.19e-05		162.1	17.28	27.08	4.19	4.70	6.18	2.93
155	18	19.79	2.80	-4.68e-05	-69.45	0.0	28.15	-23.69	3.16	6.77	-2.33	-1.17
		-7.34	-2.33	5.18e-05		162.1	28.15	49.26	3.16	6.89	2.80	19.79
155	19	13.99	13.07	-4.41e-05	-67.11	0.0	49.39	-26.97	6.19	8.15	3.04	4.67
		-4.35	3.04	-9.76e-05		162.1	49.39	38.77	6.19	8.67	13.07	13.99
155	20	12.73	-6.98	2.03e-06	-73.22	0.0	-1.04	-34.57	-0.04	3.15	-6.98	5.86
		-6.61	-7.04	8.01e-05		162.1	-1.04	43.04	-0.04	2.99	-7.04	12.73
155	21	14.30	12.36	-3.99e-05	-67.35	0.0	48.17	-26.93	5.98	7.87	2.66	4.41
		-4.49	2.66	-9.99e-05		162.1	48.17	39.41	5.98	8.36	12.36	14.30
155	22	12.42	-6.34	-3.08e-06	-72.56	0.0	0.18	-34.60	0.16	3.42	-6.60	6.12
		-6.48	-6.60	8.24e-05		162.1	0.18	42.40	0.16	3.29	-6.34	12.42

155	23	11.97	3.42	-9.66e-05	-68.71	0.0	23.06	-37.18	3.40	5.39	-2.09	11.97
		-4.72	-2.09	-5.84e-05		162.1	23.06	31.09	3.40	5.74	3.42	6.53
155	24	20.19	2.60	-5.36e-05	-71.29	0.0	25.29	-24.36	2.74	5.91	-1.85	-1.44
		-7.77	-1.85	4.08e-05		162.1	25.29	50.71	2.74	5.92	2.60	20.19
155	25	11.03	3.20	-8.27e-05	-69.45	0.0	20.61	-37.11	2.99	4.65	-1.64	11.03
		-4.98	-1.64	-6.31e-05		162.1	20.61	33.41	2.99	4.87	3.20	7.60
155	26	19.12	2.82	-3.97e-05	-69.28	0.0	27.74	-24.43	3.16	6.65	-2.29	-0.50
		-7.06	-2.29	4.55e-05		162.1	27.74	48.40	3.16	6.78	2.82	19.12
157	1	14.35	0.50	-1.26e-05	-81.07	0.0	9.15	-37.45	1.61	3.29	-2.12	7.31
		-6.29	-2.12	-1.44e-05		162.1	9.15	46.22	1.61	3.33	0.50	14.35
157	2	18.48	0.84	-4.27e-05	-98.19	0.0	19.15	-45.74	3.75	6.56	-5.23	8.43
		-7.93	-5.23	-3.64e-05		162.1	19.15	58.42	3.75	6.72	0.84	18.48
157	3	8.49	0.28	8.80e-06	-52.47	0.0	0.88	-23.71	-0.07	0.51	0.28	4.93
		-3.83	0.17	2.41e-06		162.1	0.88	28.04	-0.07	0.48	0.17	8.49
157	4	12.63	0.52	2.13e-05	-68.95	0.0	10.88	-32.00	2.06	3.79	-2.83	6.06
		-5.47	-2.83	-1.96e-05		162.1	10.88	40.25	2.06	3.86	0.52	12.63
157	5	10.70	0.35	7.23e-06	-60.96	0.0	6.22	-28.13	1.07	2.26	-1.38	5.53
		-4.71	-1.38	-9.31e-06		162.1	6.22	34.55	1.07	2.29	0.35	10.70
157	6	13.45	0.59	-2.73e-05	-72.37	0.0	12.88	-33.65	2.49	4.44	-3.45	6.28
		-5.80	-3.45	-2.40e-05		162.1	12.88	42.69	2.49	4.54	0.59	13.45
157	7	10.70	0.35	7.23e-06	-60.96	0.0	6.22	-28.13	1.07	2.26	-1.38	5.53
		-4.71	-1.38	-9.31e-06		162.1	6.22	34.55	1.07	2.29	0.35	10.70
157	8	12.63	0.52	-2.13e-05	-68.95	0.0	10.88	-32.00	2.06	3.79	-2.83	6.06
		-5.47	-2.83	-1.96e-05		162.1	10.88	40.25	2.06	3.86	0.52	12.63
157	9	10.70	0.35	7.23e-06	-60.96	0.0	6.22	-28.13	1.07	2.26	-1.38	5.53
		-4.71	-1.38	-9.31e-06		162.1	6.22	34.55	1.07	2.29	0.35	10.70
157	10	12.35	0.49	-1.93e-05	-67.80	0.0	10.22	-31.44	1.92	3.57	-2.62	5.98
		-5.36	-2.62	-1.81e-05		162.1	10.22	39.43	1.92	3.64	0.49	12.35
157	11	9.31	9.23	8.46e-05	-63.08	0.0	45.39	-30.23	9.66	9.47	-6.42	9.31
		-3.23	-6.42	-1.63e-04		162.1	45.39	29.91	9.66	9.92	9.23	8.60
157	12	11.62	2.30	-9.75e-06	-74.14	0.0	-17.34	-36.63	-5.60	-0.99	2.30	7.29
		-6.48	-6.78	1.03e-04		162.1	-17.34	41.92	-5.60	-1.21	-6.78	11.62
157	13	9.18	8.69	7.96e-05	-63.53	0.0	43.56	-30.43	9.06	9.22	-5.99	9.18
		-3.33	-5.99	-1.63e-04		162.1	43.56	30.57	9.06	9.64	8.69	8.88
157	14	11.34	1.87	-4.76e-06	-73.29	0.0	-15.51	-36.44	-5.00	-0.74	1.87	7.42
		-6.36	-6.24	1.03e-04		162.1	-15.51	41.25	-5.00	-0.94	-6.24	11.34
157	15	17.82	2.32	-1.42e-04	-63.54	0.0	38.44	-40.85	7.48	6.41	-9.80	17.82
		-5.00	-9.80	-7.92e-05		162.1	38.44	19.87	7.48	6.74	2.32	0.08
157	16	20.14	5.68	-6.69e-05	-74.11	0.0	-10.39	-26.01	-3.42	2.07	5.68	-1.23
		-8.15	0.14	1.99e-05		162.1	-10.39	51.96	-3.42	1.96	0.14	20.14
157	17	17.04	2.21	-1.25e-04	-64.95	0.0	33.14	-41.25	6.43	4.76	-8.20	17.04
		-4.98	-8.20	-9.12e-05		162.1	33.14	22.60	6.43	4.98	2.21	1.28
157	18	18.95	4.09	-5.03e-05	-70.92	0.0	-5.09	-25.61	-2.37	3.72	4.09	-0.45
		-7.43	0.24	3.18e-05		162.1	-5.09	49.22	-2.37	3.72	0.24	18.95
157	19	13.00	7.01	-4.53e-05	-64.66	0.0	34.92	-26.79	8.66	7.66	-7.03	4.81
		-4.36	-7.03	-1.27e-04		162.1	34.92	37.20	8.66	7.99	7.01	13.00
157	20	11.70	1.79	6.75e-06	-73.34	0.0	-14.49	-36.10	-4.82	-0.52	1.79	7.15
		-6.36	-6.02	9.08e-05		162.1	-14.49	41.66	-4.82	-0.71	-6.02	11.70
157	21	13.25	6.52	-4.08e-05	-65.05	0.0	33.28	-26.97	8.12	7.43	-6.65	4.70
		-4.47	-6.65	-1.27e-04		162.1	33.28	37.80	8.12	7.74	6.52	13.25
157	22	11.45	1.41	2.27e-06	-72.58	0.0	-12.84	-35.92	-4.29	-0.29	1.41	7.27
		-6.26	-5.54	9.07e-05		162.1	-12.84	41.07	-4.29	-0.46	-5.54	11.45
157	23	12.44	0.81	9.65e-05	-65.06	0.0	28.69	-36.31	6.71	4.92	-10.06	12.44
		-4.42	-10.06	-5.21e-05		162.1	28.69	28.20	6.71	5.14	0.81	5.37
157	24	19.34	4.82	-5.80e-05	-73.32	0.0	-8.26	-26.57	-2.87	2.23	4.82	-0.48
		-7.76	0.17	1.59e-05		162.1	-8.26	50.66	-2.87	2.14	0.17	19.34
157	25	11.74	0.72	-8.16e-05	-66.33	0.0	23.94	-36.67	5.76	3.44	-8.63	11.74
		-4.68	-8.63	-6.28e-05		162.1	23.94	30.66	5.76	3.56	0.72	6.44
157	26	18.26	3.39	4.31e-05	-70.45	0.0	-3.50	-26.22	-1.93	3.70	3.39	0.22
		-7.16	0.27	2.66e-05		162.1	-3.50	48.21	-1.93	3.71	0.27	18.26
159	1	37.16	5.75	-7.92e-06	-84.11	0.0	49.21	-20.87	4.67	12.26	-1.82	2.36
		-1.82	-1.82	4.07e-05		162.1	49.21	63.87	4.67	12.61	5.75	37.16
159	2	66.81	10.63	-3.31e-05	-105.28	0.0	91.70	-9.91	9.00	23.89	-3.96	-4.20
		-4.87	-3.96	6.60e-05		162.1	91.70	97.78	9.00	24.65	10.63	66.81
159	3	10.33	1.42	-1.07e-05	-51.78	0.0	11.70	-22.81	0.93	2.27	-0.08	5.85
		-2.37	-0.08	1.58e-05		162.1	11.70	28.26	0.93	2.29	1.42	10.33
159	4	39.99	6.30	-1.54e-05	-72.84	0.0	54.20	-11.84	5.26	13.90	-2.22	-0.71
		-2.21	-2.22	4.10e-05		162.1	54.20	62.17	5.26	14.33	6.30	39.99
159	5	26.15	4.02	-4.26e-06	-62.96	0.0	34.36	-16.96	3.24	8.48	-1.22	2.35
		-1.32	-1.22	2.92e-05		162.1	34.36	46.35	3.24	8.71	4.02	26.15
159	6	45.92	7.28	-2.07e-05	-77.08	0.0	62.69	-9.65	6.13	16.23	-2.65	-2.02
		-2.99	-2.65	4.61e-05		162.1	62.69	68.96	6.13	16.74	7.28	45.92
159	7	26.15	4.02	-4.26e-06	-62.96	0.0	34.36	-16.96	3.24	8.48	-1.22	2.35
		-1.32	-1.22	2.92e-05		162.1	34.36	46.35	3.24	8.71	4.02	26.15

159	8	39.99	6.30	-1.54e-05	-72.84	0.0	54.20	-11.84	5.26	13.90	-2.22	-0.71
		-2.21	-2.22	4.10e-05		162.1	54.20	62.17	5.26	14.33	6.30	39.99
159	9	26.15	4.02	-4.26e-06	-62.96	0.0	34.36	-16.96	3.24	8.48	-1.22	2.35
		-1.32	-1.22	2.92e-05		162.1	34.36	46.35	3.24	8.71	4.02	26.15
159	10	38.01	5.97	-1.37e-05	-71.43	0.0	51.36	-12.57	4.97	13.13	-2.08	-0.27
		-2.04	-2.08	3.93e-05		162.1	51.36	59.91	4.97	13.53	5.97	38.01
159	11	23.49	27.61	-7.45e-05	-70.25	0.0	61.15	-22.18	9.56	9.24	12.11	5.95
		-0.12	12.11	-3.71e-05		162.1	61.15	44.32	9.56	10.11	27.61	23.49
159	12	46.89	-7.70	-1.03e-05	-73.51	0.0	28.87	-8.53	3.33	15.13	-13.11	-2.69
		-3.43	-13.11	1.01e-04		162.1	28.87	69.66	3.33	15.14	-7.70	46.89
159	13	24.56	26.98	-6.98e-05	-70.36	0.0	60.85	-21.47	9.62	9.15	11.38	5.43
		-0.23	11.38	-4.13e-05		162.1	60.85	45.53	9.62	9.98	26.98	24.56
159	14	45.81	-7.06	-5.67e-06	-73.20	0.0	29.17	-9.25	3.28	15.22	-12.38	-2.17
		-3.06	-12.38	1.07e-04		162.1	29.17	68.45	3.28	15.26	-7.06	45.81
159	15	14.43	6.38	-1.40e-04	-74.25	0.0	9.01	-38.91	2.13	11.29	2.92	14.43
		-3.09	2.92	-2.81e-05		162.1	9.01	32.78	2.13	11.96	6.38	8.74
159	16	61.64	13.54	-7.56e-05	-69.79	0.0	81.01	8.19	10.76	13.08	-3.91	-11.17
		-11.17	-3.91	9.59e-05		162.1	81.01	81.19	10.76	13.29	13.54	61.64
159	17	16.44	6.89	-1.23e-04	-74.58	0.0	12.39	-33.43	2.76	11.31	2.41	11.62
		-0.94	2.41	-2.92e-05		162.1	12.39	40.18	2.76	11.83	6.89	16.44
159	18	53.94	13.02	-5.90e-05	-69.18	0.0	77.63	2.71	10.14	13.05	-3.41	-8.35
		-8.35	-3.41	9.70e-05		162.1	77.63	73.80	10.14	13.41	13.02	53.94
159	19	30.05	18.23	-3.53e-05	-69.75	0.0	71.52	-16.19	6.44	11.34	7.80	1.90
		-1.28	7.80	-2.00e-05		162.1	71.52	51.18	6.44	12.09	18.23	30.05
159	20	45.97	-6.28	-7.85e-06	-73.11	0.0	31.20	-8.95	3.50	14.92	-11.96	-2.44
		-3.27	-11.96	9.49e-05		162.1	31.20	68.65	3.50	14.97	-6.28	45.97
159	21	31.01	17.66	-3.11e-05	-69.84	0.0	71.26	-15.55	6.49	11.25	7.15	1.43
		-1.46	7.15	-2.34e-05		162.1	71.26	52.26	6.49	11.97	17.66	31.01
159	22	45.01	-5.71	-4.50e-06	-73.02	0.0	31.47	-9.59	3.45	15.00	-11.31	-1.97
		-2.94	-11.31	9.98e-05		162.1	31.47	67.56	3.45	15.08	-5.71	45.01
159	23	16.83	-0.44	-9.37e-05	-73.33	0.0	24.78	-31.18	-0.22	13.17	-0.44	9.50
		-1.64	-0.80	-1.13e-05		162.1	24.78	40.84	-0.22	13.75	-0.80	16.83
159	24	59.19	12.75	-6.63e-05	-69.83	0.0	77.94	6.04	10.16	13.08	-3.72	-10.04
		-10.04	-3.72	9.00e-05		162.1	77.94	78.99	10.16	13.31	12.75	59.19
159	25	23.74	-0.34	-7.89e-05	-73.62	0.0	27.82	-26.27	0.34	13.19	-0.89	6.98
		-0.72	-0.89	-1.23e-05		162.1	27.82	47.47	0.34	13.63	-0.34	23.74
159	26	52.28	12.29	-5.15e-05	-69.36	0.0	74.91	1.13	9.60	13.06	-3.27	-7.52
		-7.52	-3.27	9.10e-05		162.1	74.91	72.36	9.60	13.43	12.29	52.28
161	1	6.89	22.63	3.19e-06	-82.20	0.0	32.22	-34.08	2.56	-11.91	19.54	6.89
		-4.21	19.54	-6.14e-06		120.5	32.22	28.91	2.56	-11.85	22.63	3.76
161	2	9.28	37.86	1.82e-05	-101.96	0.0	52.46	-45.89	4.72	-22.64	32.18	9.28
		-6.45	32.18	-3.10e-05		120.5	52.46	34.90	4.72	-22.46	37.86	2.61
161	3	3.82	8.03	6.77e-06	-51.36	0.0	12.33	-18.94	0.64	-2.55	7.25	3.82
		-1.93	7.25	2.41e-05		120.5	12.33	18.55	0.64	-2.59	8.03	3.61
161	4	6.22	23.27	8.21e-06	-70.83	0.0	32.57	-30.76	2.80	-13.29	19.89	6.22
		-4.10	19.89	-1.35e-05		120.5	32.57	24.54	2.80	-13.19	23.27	2.45
161	5	5.10	16.15	1.22e-06	-61.61	0.0	23.12	-25.24	1.79	-8.28	13.99	5.10
		-3.05	13.99	6.92e-06		120.5	23.12	21.75	1.79	-8.24	16.15	2.99
161	6	6.70	26.31	1.12e-05	-74.78	0.0	36.61	-33.12	3.23	-15.43	22.42	6.70
		-4.55	22.42	-1.87e-05		120.5	36.61	25.74	3.23	-15.32	26.31	2.22
161	7	5.10	16.15	1.22e-06	-61.61	0.0	23.12	-25.24	1.79	-8.28	13.99	5.10
		-3.05	13.99	6.92e-06		120.5	23.12	21.75	1.79	-8.24	16.15	2.99
161	8	6.22	23.27	8.21e-06	-70.83	0.0	32.57	-30.76	2.80	-13.29	19.89	6.22
		-4.10	19.89	-1.35e-05		120.5	32.57	24.54	2.80	-13.19	23.27	2.45
161	9	5.10	16.15	1.22e-06	-61.61	0.0	23.12	-25.24	1.79	-8.28	13.99	5.10
		-3.05	13.99	6.92e-06		120.5	23.12	21.75	1.79	-8.24	16.15	2.99
161	10	6.06	22.25	7.21e-06	-69.51	0.0	31.22	-29.97	2.65	-12.57	19.05	6.06
		-3.95	19.05	-1.18e-05		120.5	31.22	24.14	2.65	-12.49	22.25	2.53
161	11	8.73	44.75	4.90e-05	-71.08	0.0	63.42	-32.01	16.70	-9.13	24.64	8.73
		-3.11	24.64	3.02e-05		120.5	63.42	20.54	16.70	-8.61	44.75	1.68
161	12	5.98	3.94	5.56e-06	-75.00	0.0	-1.34	-34.51	-3.86	-16.90	3.94	5.98
		-6.53	-0.71	-9.16e-05		120.5	-1.34	22.75	-3.86	-17.24	-0.71	-1.10
161	13	8.42	42.26	4.59e-05	-70.82	0.0	60.52	-31.81	14.88	-9.79	24.33	8.42
		-3.23	24.33	2.20e-05		120.5	60.52	20.89	14.88	-9.31	42.26	1.70
161	14	6.29	4.25	2.49e-06	-74.52	0.0	1.55	-34.71	-2.04	-16.24	4.25	6.29
		-6.40	1.79	-8.35e-05		120.5	1.55	22.40	-2.04	-16.53	1.79	-1.12
161	15	13.92	41.22	1.01e-04	-76.39	0.0	50.78	-47.51	29.42	-14.90	5.78	13.92
		-9.14	5.78	-1.69e-04		120.5	50.78	12.14	29.42	-14.70	41.22	-7.69
161	16	8.27	22.81	5.81e-05	-65.61	0.0	11.29	-19.01	-16.59	-11.13	22.81	0.78
		-3.50	2.82	1.08e-04		120.5	11.29	31.16	-16.59	-11.14	2.82	8.27
161	17	12.70	31.91	9.08e-05	-76.53	0.0	40.69	-46.30	24.39	-16.13	2.53	12.70
		-8.94	2.53	-1.86e-04		120.5	40.69	13.97	24.39	-16.08	31.91	-7.04
161	18	7.63	26.05	4.73e-05	-65.89	0.0	21.38	-20.22	-11.56	-9.91	26.05	2.01
		-2.89	12.13	1.25e-04		120.5	21.38	29.32	-11.56	-9.77	12.13	7.63

161	19	6.13	42.83	1.87e-05	-69.13	0.0	60.40	-25.90	8.50	-8.69	32.59	6.13
		-1.77	32.59	7.09e-05		120.5	60.40	25.40	8.50	-8.23	42.83	5.78
161	20	5.98	5.51	4.24e-06	-74.32	0.0	2.03	-34.04	-3.19	-16.45	5.51	5.98
		-6.24	1.67	-8.28e-05		120.5	2.03	22.89	-3.19	-16.74	1.67	-0.72
161	21	5.86	40.59	1.59e-05	-69.04	0.0	57.81	-25.72	6.87	-9.28	32.32	5.86
		-1.92	32.32	6.36e-05		120.5	57.81	25.71	6.87	-8.86	40.59	5.80
161	22	6.26	5.78	1.75e-06	-73.89	0.0	4.63	-34.21	-1.56	-15.86	5.78	6.26
		-6.13	3.91	-7.54e-05		120.5	4.63	22.58	-1.56	-16.12	3.91	-0.74
161	23	10.79	39.66	6.57e-05	-73.60	0.0	49.08	-39.80	19.90	-13.86	15.69	10.79
		-5.91	15.69	-1.08e-04		120.5	49.08	17.86	19.90	-13.69	39.66	-2.62
161	24	7.68	22.42	5.13e-05	-66.01	0.0	13.36	-20.14	-14.59	-11.28	22.42	1.33
		-3.44	4.83	9.59e-05		120.5	13.36	30.43	-14.59	-11.28	4.83	7.68
161	25	9.69	31.32	5.61e-05	-73.93	0.0	40.04	-38.71	15.39	-14.96	12.77	9.69
		-5.92	12.77	-1.23e-04		120.5	40.04	19.51	15.39	-14.92	31.32	-2.04
161	26	7.10	25.33	4.17e-05	-66.26	0.0	22.40	-21.23	-10.08	-10.19	25.33	2.43
		-2.95	13.18	1.11e-04		120.5	22.40	28.78	-10.08	-10.05	13.18	7.10
163	1	5.17	3.09	2.22e-05	-83.47	0.0	3.91	-33.99	-27.00	-5.09	3.09	5.17
		-5.76	-27.15	9.44e-05		112.0	3.91	25.36	-27.00	-5.19	-27.15	0.28
163	2	6.70	8.19	6.82e-06	-101.34	0.0	6.90	-44.04	-42.71	-7.79	8.19	6.70
		-7.69	-39.65	1.49e-04		112.0	6.90	31.38	-42.71	-7.89	-39.65	-0.41
163	3	3.04	-0.76	2.65e-05	-53.21	0.0	1.18	-19.96	-11.10	-2.25	-0.76	3.04
		-3.24	-13.19	3.90e-05		112.0	1.17	15.80	-11.10	-2.32	-13.19	0.64
163	4	4.57	4.34	1.12e-05	-71.08	0.0	4.16	-30.01	-26.81	-4.95	4.34	4.57
		-5.17	-25.69	9.36e-05		112.0	4.16	21.82	-26.81	-5.03	-25.69	-0.05
163	5	3.85	1.96	1.83e-05	-62.74	0.0	2.77	-25.32	-19.48	-3.69	1.96	3.85
		-4.27	-19.86	6.81e-05		112.0	2.77	19.01	-19.48	-3.77	-19.86	0.27
163	6	4.87	5.36	8.08e-06	-74.65	0.0	4.75	-32.02	-29.95	-5.49	5.36	4.87
		-5.56	-28.19	1.05e-04		112.0	4.75	23.03	-29.95	-5.57	-28.19	-0.19
163	7	3.85	1.96	1.83e-05	-62.74	0.0	2.77	-25.32	-19.48	-3.69	1.96	3.85
		-4.27	-19.86	6.81e-05		112.0	2.77	19.01	-19.48	-3.77	-19.86	0.27
163	8	4.57	4.34	1.12e-05	-71.08	0.0	4.16	-30.01	-26.81	-4.95	4.34	4.57
		-5.17	-25.69	9.36e-05		112.0	4.16	21.82	-26.81	-5.03	-25.69	-0.05
163	9	3.85	1.96	1.83e-05	-62.74	0.0	2.77	-25.32	-19.48	-3.69	1.96	3.85
		-4.27	-19.86	6.81e-05		112.0	2.77	19.01	-19.48	-3.77	-19.86	0.27
163	10	4.47	4.00	1.22e-05	-69.89	0.0	3.96	-29.34	-25.76	-4.77	4.00	4.47
		-5.04	-24.86	9.00e-05		112.0	3.96	21.42	-25.76	-4.85	-24.86	-1.97e-03
163	11	7.00	6.66	2.31e-04	-62.77	0.0	15.05	-29.44	-45.13	-5.71	6.66	7.00
		-4.57	-43.90	1.59e-04		112.0	15.05	10.80	-45.13	-5.48	-43.90	-2.86
163	12	2.68	7.47	2.66e-04	-90.23	0.0	-11.39	-31.49	-1.42	-4.30	7.47	2.68
		-6.39	5.88	-9.61e-06		112.0	-11.39	32.08	-1.42	-4.64	5.88	2.35
163	13	6.60	6.01	2.05e-04	-63.36	0.0	14.04	-29.09	-43.22	-5.77	6.01	6.60
		-4.46	-42.41	1.47e-04		112.0	14.04	12.25	-43.22	-5.57	-42.41	-2.32
163	14	3.08	8.12	2.41e-04	-88.33	0.0	-10.37	-31.83	-3.33	-4.23	8.12	3.08
		-6.30	4.39	2.40e-06		112.0	-10.37	30.63	-3.33	-4.55	4.39	1.81
163	15	9.65	28.65	1.67e-05	-76.78	0.0	-1.35	-43.05	-26.62	-6.29	28.65	9.65
		-8.49	-1.17	5.02e-05		112.0	-1.35	14.27	-26.62	-6.23	-1.17	-6.51
163	16	6.00	-14.52	1.86e-05	-66.02	0.0	5.02	-17.88	-19.93	-3.71	-14.52	0.04
		-3.83	-36.84	9.94e-05		112.0	5.02	28.61	-19.93	-3.89	-36.84	6.00
163	17	8.25	25.55	9.99e-05	-82.47	0.0	-4.34	-41.77	-20.28	-6.43	25.55	8.25
		-7.95	2.82	9.48e-06		112.0	-4.34	19.28	-20.28	-6.47	2.82	-4.60
163	18	4.09	-11.41	6.47e-05	-61.30	0.0	8.01	-19.16	-26.27	-3.58	-11.41	1.44
		-3.30	-40.84	1.40e-04		112.0	8.01	23.59	-26.27	-3.65	-40.84	4.09
163	19	6.06	0.89	2.16e-04	-60.88	0.0	17.71	-27.42	-47.59	-5.20	0.89	6.06
		-4.24	-52.42	1.79e-04		112.0	17.71	11.86	-47.59	-5.03	-52.42	-2.11
163	20	2.87	7.11	2.40e-04	-88.13	0.0	-9.79	-31.27	-3.94	-4.35	7.11	2.87
		-6.23	2.70	-1.45e-06		112.0	-9.80	30.98	-3.94	-4.66	2.70	2.10
163	21	5.70	0.31	1.93e-04	-61.41	0.0	16.80	-27.11	-45.87	-5.26	0.31	5.70
		-4.14	-51.08	1.68e-04		112.0	16.80	13.17	-45.87	-5.12	-51.08	-1.62
163	22	3.23	7.70	2.17e-04	-86.42	0.0	-8.88	-31.57	-5.66	-4.29	7.70	3.23
		-6.15	1.36	1.15e-05		112.0	-8.89	29.67	-5.66	-4.58	1.36	1.62
163	23	8.43	20.60	6.45e-06	-73.43	0.0	3.01	-39.62	-31.00	-5.72	20.60	8.43
		-7.66	-14.12	8.15e-05		112.0	3.01	14.97	-31.00	-5.71	-14.12	-5.38
163	24	5.38	-12.60	1.79e-05	-66.42	0.0	4.91	-19.07	-20.53	-3.82	-12.60	0.50
		-3.83	-35.60	9.85e-05		112.0	4.91	27.87	-20.53	-3.99	-35.60	5.38
163	25	7.18	17.82	8.11e-05	-79.03	0.0	0.33	-38.47	-25.31	-5.85	17.82	7.18
		-7.27	-10.54	4.50e-05		112.0	0.33	19.47	-25.31	-5.93	-10.54	-3.67
163	26	3.66	-9.82	5.67e-05	-62.10	0.0	7.59	-20.21	-26.22	-3.70	-9.82	1.75
		-3.42	-39.18	1.35e-04		112.0	7.59	23.37	-26.22	-3.77	-39.18	3.66
165	1	6.92	14.36	-1.12e-04	-79.62	0.0	11.30	-30.53	5.32	-3.06	7.57	6.22
		-3.44	7.57	-1.03e-05		127.6	11.30	32.21	5.32	-2.95	14.36	6.92
165	2	9.69	21.59	-1.31e-04	-96.78	0.0	15.06	-37.43	7.90	-3.99	11.51	6.85
		-4.49	11.51	-5.58e-06		127.6	15.06	42.55	7.90	-3.87	21.59	9.69
165	3	4.39	6.60	-7.53e-05	-50.68	0.0	6.37	-19.24	2.51	-1.78	3.39	4.39
		-2.00	3.39	-1.42e-05		127.6	6.37	18.42	2.51	-1.70	6.60	3.62

165	4	6.39	13.83	-9.35e-05	-67.85	0.0	10.14	-26.14	5.08	-2.71	7.34	5.03
		-3.05	7.34	-5.76e-06		127.6	10.14	28.76	5.08	-2.62	13.83	6.39
165	5	5.10	10.45	-8.50e-05	-59.84	0.0	8.38	-22.92	3.88	-2.27	5.50	4.73
		-2.56	5.50	-8.49e-06		127.6	8.38	23.93	3.88	-2.19	10.45	5.10
165	6	6.94	15.27	-9.71e-05	-71.28	0.0	10.89	-27.52	5.60	-2.90	8.12	5.15
		-3.26	8.12	-4.94e-06		127.6	10.89	30.82	5.60	-2.81	15.27	6.94
165	7	5.10	10.45	-8.50e-05	-59.84	0.0	8.38	-22.92	3.88	-2.27	5.50	4.73
		-2.56	5.50	-8.49e-06		127.6	8.38	23.93	3.88	-2.19	10.45	5.10
165	8	6.39	13.83	-9.35e-05	-67.85	0.0	10.14	-26.14	5.08	-2.71	7.34	5.03
		-3.05	7.34	-5.76e-06		127.6	10.14	28.76	5.08	-2.62	13.83	6.39
165	9	5.10	10.45	-8.50e-05	-59.84	0.0	8.38	-22.92	3.88	-2.27	5.50	4.73
		-2.56	5.50	-8.49e-06		127.6	8.38	23.93	3.88	-2.19	10.45	5.10
165	10	6.21	13.34	-9.23e-05	-66.70	0.0	9.89	-25.68	4.91	-2.65	7.07	4.98
		-2.98	7.07	-6.06e-06		127.6	9.89	28.07	4.91	-2.56	13.34	6.21
165	11	9.94	26.17	-1.72e-04	-65.62	0.0	16.26	-18.76	9.67	-4.18	13.83	1.28
		-3.02	13.83	-2.76e-05		127.6	16.26	31.46	9.67	-4.44	26.17	9.94
165	12	7.29	1.87	-3.23e-04	-80.40	0.0	-3.99	-32.21	-2.60	-1.20	1.87	7.29
		-4.03	-1.44	3.18e-05		127.6	-3.99	29.32	-2.60	-0.77	-1.44	4.40
165	13	9.58	25.44	-1.43e-04	-65.28	0.0	15.58	-19.42	9.29	-3.93	13.59	1.65
		-2.97	13.59	-3.23e-05		127.6	15.58	31.13	9.29	-4.15	25.44	9.58
165	14	6.92	2.12	-2.94e-04	-79.39	0.0	-3.31	-31.55	-2.22	-1.45	2.12	6.92
		-3.94	-0.71	3.73e-05		127.6	-3.31	29.65	-2.22	-1.06	-0.71	4.75
165	15	11.62	8.62	-2.39e-05	-78.96	0.0	-2.85	-25.52	-2.36	-4.96	8.62	1.61
		-4.60	5.60	5.48e-05		127.6	-2.85	41.09	-2.36	-4.83	5.60	11.62
165	16	6.96	19.13	-1.76e-04	-59.37	0.0	15.12	-25.45	9.43	-0.42	7.09	6.96
		-2.53	7.09	-4.95e-05		127.6	15.12	19.69	9.43	-0.37	19.13	2.71
165	17	10.38	6.52	-7.05e-05	-81.14	0.0	-4.74	-27.75	-2.77	-4.31	6.52	2.77
		-4.54	2.98	3.23e-05		127.6	-4.74	40.04	-2.77	-4.08	2.98	10.38
165	18	5.80	21.75	-8.13e-05	-56.99	0.0	17.01	-23.23	9.84	-1.06	9.19	5.80
		-2.15	9.19	-2.72e-05		127.6	17.01	20.74	9.84	-1.12	21.75	3.95
165	19	7.83	26.60	-1.15e-04	-61.14	0.0	22.33	-19.83	11.65	-3.95	11.73	2.91
		-2.29	11.73	-3.33e-05		127.6	22.33	26.94	11.65	-4.17	26.60	7.83
165	20	7.05	2.41	-2.99e-04	-78.98	0.0	-2.55	-31.53	-1.82	-1.35	2.41	7.05
		-3.90	0.09	2.82e-05		127.6	-2.55	29.19	-1.82	-0.96	0.09	4.58
165	21	7.51	25.94	-8.89e-05	-60.84	0.0	21.72	-20.41	11.31	-3.72	11.51	3.24
		-2.29	11.51	-3.79e-05		127.6	21.72	26.65	11.31	-3.91	25.94	7.51
165	22	6.72	2.63	-2.73e-04	-78.07	0.0	-1.94	-30.94	-1.48	-1.57	2.63	6.72
		-3.83	0.74	3.32e-05		127.6	-1.94	29.48	-1.48	-1.21	0.74	4.90
165	23	9.34	8.16	-1.75e-05	-73.28	0.0	5.20	-25.89	0.86	-4.64	7.06	3.21
		-3.76	7.06	3.99e-05		127.6	5.20	35.58	0.86	-4.53	8.16	9.34
165	24	6.75	18.53	-1.67e-04	-60.13	0.0	14.58	-25.47	8.96	-0.65	7.09	6.75
		-2.56	7.09	-4.46e-05		127.6	14.58	20.56	8.96	-0.60	18.53	3.08
165	25	8.23	5.81	-1.02e-04	-76.33	0.0	3.50	-27.88	0.50	-4.07	5.18	4.25
		-3.82	5.18	1.97e-05		127.6	3.50	34.63	0.50	-3.85	5.81	8.23
165	26	5.72	20.88	-8.24e-05	-57.90	0.0	16.27	-23.48	9.33	-1.23	8.97	5.72
		-2.22	8.97	-2.48e-05		127.6	16.27	21.50	9.33	-1.27	20.88	4.18
167	1	8.14	5.67	-1.14e-04	-76.56	0.0	11.58	-30.28	4.46	-3.50	-0.02	8.14
		-1.91	-0.02	-3.54e-05		127.6	11.58	29.01	4.46	-3.34	5.67	6.95
167	2	10.20	9.23	-1.31e-04	-93.28	0.0	13.69	-38.72	7.17	-3.87	0.08	10.20
		-2.60	0.08	-3.42e-05		127.6	13.69	37.27	7.17	-3.70	9.23	8.85
167	3	4.99	2.17	-7.64e-05	-48.61	0.0	7.60	-18.11	1.76	-2.46	-0.08	4.99
		-1.05	-0.08	-2.80e-05		127.6	7.60	17.23	1.76	-2.35	2.17	4.18
167	4	7.05	5.73	-9.41e-05	-65.32	0.0	9.72	-26.54	4.47	-2.83	0.02	7.05
		-1.73	0.02	-2.68e-05		127.6	9.72	25.49	4.47	-2.71	5.73	6.08
167	5	6.09	4.07	-8.59e-05	-57.52	0.0	8.73	-22.60	3.21	-2.66	-0.02	6.09
		-1.42	-0.02	-2.74e-05		127.6	8.73	21.64	3.21	-2.54	4.07	5.19
167	6	7.47	6.44	-9.77e-05	-68.67	0.0	10.14	-28.22	5.02	-2.91	0.04	7.47
		-1.87	0.04	-2.65e-05		127.6	10.14	27.14	5.02	-2.78	6.44	6.46
167	7	6.09	4.07	-8.59e-05	-57.52	0.0	8.73	-22.60	3.21	-2.66	-0.02	6.09
		-1.42	-0.02	-2.74e-05		127.6	8.73	21.64	3.21	-2.54	4.07	5.19
167	8	7.05	5.73	-9.41e-05	-65.32	0.0	9.72	-26.54	4.47	-2.83	0.02	7.05
		-1.73	0.02	-2.68e-05		127.6	9.72	25.49	4.47	-2.71	5.73	6.08
167	9	6.09	4.07	-8.59e-05	-57.52	0.0	8.73	-22.60	3.21	-2.66	-0.02	6.09
		-1.42	-0.02	-2.74e-05		127.6	8.73	21.64	3.21	-2.54	4.07	5.19
167	10	6.92	5.49	-9.30e-05	-64.21	0.0	9.58	-25.98	4.29	-2.81	0.02	6.92
		-1.69	0.02	-2.68e-05		127.6	9.58	24.94	4.29	-2.69	5.49	5.95
167	11	10.14	10.01	-1.70e-04	-69.73	0.0	7.83	-23.91	10.37	-9.22	-3.23	4.71
		-1.64	-3.23	-9.21e-05		127.6	7.83	31.55	10.37	-9.37	10.01	10.14
167	12	7.92	2.11	-3.23e-04	-70.80	0.0	2.06	-28.28	0.49	1.87	1.49	7.92
		-2.58	1.49	4.03e-05		127.6	2.06	23.37	0.49	2.29	2.11	3.73
167	13	9.70	10.03	-1.41e-04	-68.60	0.0	7.88	-24.05	10.15	-8.54	-2.92	4.90
		-1.63	-2.92	-9.53e-05		127.6	7.88	30.85	10.15	-8.67	10.03	9.70
167	14	7.73	2.09	-2.94e-04	-70.69	0.0	2.00	-28.14	0.71	1.20	1.18	7.73
		-2.50	1.18	4.34e-05		127.6	2.00	24.06	0.71	1.59	2.09	4.17

167	15	12.68	4.80	-2.38e-05	-80.61	0.0	-12.28	-25.85	4.65	-8.92	-1.14	2.62
		-3.68	-1.14	1.82e-05		127.6	-12.28	41.50	4.65	-8.70	4.80	12.68
167	16	10.01	7.32	-1.77e-04	-54.14	0.0	22.17	-26.34	6.21	1.58	-0.60	10.01
		-1.55	-0.60	-7.01e-05		127.6	22.17	13.41	6.21	1.62	7.32	1.18
167	17	10.84	3.59	-7.00e-05	-79.47	0.0	-10.66	-27.19	4.53	-6.54	-2.19	3.88
		-3.38	-2.19	9.67e-06		127.6	-10.66	38.45	4.53	-6.24	3.59	10.84
167	18	8.74	8.52	-8.26e-05	-54.44	0.0	20.54	-25.00	6.33	-0.80	0.45	8.74
		-1.04	0.45	-6.15e-05		127.6	20.54	16.47	6.33	-0.85	8.52	3.03
167	19	7.94	8.53	-1.13e-04	-63.78	0.0	16.32	-23.91	7.70	-7.00	-1.30	6.02
		-1.05	-1.30	-8.70e-05		127.6	16.32	26.35	7.70	-7.15	8.53	7.94
167	20	7.81	2.46	-2.99e-04	-70.12	0.0	2.84	-28.04	0.88	1.39	1.33	7.81
		-2.48	1.33	3.33e-05		127.6	2.84	23.53	0.88	1.77	2.46	3.96
167	21	7.55	8.55	-8.70e-05	-62.76	0.0	16.37	-24.04	7.51	-6.40	-1.03	6.19
		-1.07	-1.03	-8.98e-05		127.6	16.37	25.73	7.51	-6.52	8.55	7.55
167	22	7.64	2.44	-2.73e-04	-70.02	0.0	2.79	-27.92	1.08	0.78	1.06	7.64
		-2.41	1.06	3.61e-05		127.6	2.79	24.15	1.08	1.15	2.44	4.35
167	23	10.22	3.86	-1.80e-05	-73.40	0.0	-1.70	-25.65	2.58	-6.74	0.57	4.14
		-2.76	0.57	1.19e-05		127.6	-1.70	35.27	2.58	-6.54	3.86	10.22
167	24	9.69	7.13	-1.68e-04	-55.18	0.0	20.86	-26.30	6.01	1.12	-0.54	9.69
		-1.47	-0.54	-6.56e-05		127.6	20.86	14.61	6.01	1.17	7.13	1.68
167	25	8.57	2.78	-1.02e-04	-73.69	0.0	-0.25	-26.85	2.47	-4.61	-0.37	5.28
		-2.60	-0.37	4.25e-06		127.6	-0.25	32.54	2.47	-4.33	2.78	8.57
167	26	8.55	8.21	-8.37e-05	-55.29	0.0	19.41	-25.10	6.12	-1.01	0.40	8.55
		-1.07	0.40	-5.79e-05		127.6	19.41	17.34	6.12	-1.04	8.21	3.33
169	1	11.43	24.08	-1.14e-04	-82.69	0.0	17.57	-26.16	6.17	-3.30	16.20	2.94
		-3.76	16.20	4.80e-05		127.6	17.57	40.05	6.17	-3.24	24.08	11.43
169	2	17.45	35.07	-1.33e-04	-100.26	0.0	27.97	-29.55	8.60	-4.72	24.10	1.98
		-4.75	24.10	8.64e-05		127.6	27.97	54.47	8.60	-4.67	35.07	17.45
169	3	5.08	11.76	-7.64e-05	-52.80	0.0	7.12	-18.04	3.26	-1.66	7.60	2.85
		-2.44	7.60	1.33e-05		127.6	7.12	21.93	3.26	-1.61	11.76	5.08
169	4	11.11	22.75	-9.49e-05	-70.37	0.0	17.51	-21.43	5.68	-3.09	15.50	1.89
		-3.27	15.50	5.17e-05		127.6	17.51	36.35	5.68	-3.04	22.75	11.11
169	5	8.30	17.62	-8.62e-05	-62.17	0.0	12.67	-19.85	4.55	-2.42	11.81	2.34
		-2.81	11.81	3.38e-05		127.6	12.67	29.62	4.55	-2.37	17.62	8.30
169	6	12.31	24.95	-9.86e-05	-73.88	0.0	19.59	-22.10	6.17	-3.37	17.08	1.70
		-3.47	17.08	5.94e-05		127.6	19.59	39.24	6.17	-3.33	24.95	12.31
169	7	8.30	17.62	-8.62e-05	-62.17	0.0	12.67	-19.85	4.55	-2.42	11.81	2.34
		-2.81	11.81	3.38e-05		127.6	12.67	29.62	4.55	-2.37	17.62	8.30
169	8	11.11	22.75	-9.49e-05	-70.37	0.0	17.51	-21.43	5.68	-3.09	15.50	1.89
		-3.27	15.50	5.17e-05		127.6	17.51	36.35	5.68	-3.04	22.75	11.11
169	9	8.30	17.62	-8.62e-05	-62.17	0.0	12.67	-19.85	4.55	-2.42	11.81	2.34
		-2.81	11.81	3.38e-05		127.6	12.67	29.62	4.55	-2.37	17.62	8.30
169	10	10.71	22.02	-9.36e-05	-69.20	0.0	16.82	-21.20	5.52	-2.99	14.97	1.96
		-3.21	14.97	4.91e-05		127.6	16.82	35.39	5.52	-2.95	22.02	10.71
169	11	16.76	40.61	-1.73e-04	-60.93	0.0	31.33	-8.07	9.49	-2.87	28.50	-2.20
		-3.07	28.50	8.06e-05		127.6	31.33	36.90	9.49	-3.18	40.61	16.76
169	12	7.59	-0.72	-3.28e-04	-90.03	0.0	-3.01	-32.46	-5.78	-2.02	-0.72	4.46
		-5.38	-8.10	2.16e-05		127.6	-3.01	39.03	-5.78	-1.61	-8.10	7.59
169	13	16.23	39.16	-1.44e-04	-61.43	0.0	29.92	-9.35	9.04	-2.72	27.62	-1.76
		-2.92	27.62	7.16e-05		127.6	29.92	36.83	9.04	-2.99	39.16	16.23
169	14	8.12	0.16	-2.98e-04	-88.13	0.0	-1.60	-31.17	-5.33	-2.17	0.16	4.03
		-5.19	-6.65	3.06e-05		127.6	-1.60	39.10	-5.33	-1.80	-6.65	8.12
169	15	19.80	8.16	-2.24e-05	-77.73	0.0	13.55	-15.21	-8.39	-3.68	8.16	-2.91
		-5.13	-2.55	8.11e-05		127.6	13.55	50.71	-8.39	-3.62	-2.55	19.80
169	16	5.18	35.06	-1.77e-04	-64.55	0.0	14.77	-25.31	12.10	-1.22	19.62	5.18
		-3.20	19.62	2.11e-05		127.6	14.77	25.22	12.10	-1.18	35.06	4.55
169	17	18.11	5.17	-7.29e-05	-82.98	0.0	8.92	-19.42	-9.10	-3.35	5.17	-1.52
		-4.97	-6.45	4.65e-05		127.6	8.92	50.57	-9.10	-3.17	-6.45	18.11
169	18	6.24	38.96	-8.19e-05	-59.61	0.0	19.40	-21.10	12.81	-1.54	22.61	3.79
		-2.43	22.61	5.57e-05		127.6	19.40	25.36	12.81	-1.62	38.96	6.24
169	19	13.50	49.01	-1.16e-04	-58.13	0.0	34.60	-11.11	15.65	-3.86	29.03	-0.29
		-2.05	29.03	7.39e-05		127.6	34.60	32.13	15.65	-4.14	49.01	13.50
169	20	7.91	0.91	-3.03e-04	-87.87	0.0	-0.95	-31.29	-4.61	-2.12	0.91	4.20
		-5.13	-4.98	2.44e-05		127.6	-0.95	38.65	-4.61	-1.75	-4.98	7.91
169	21	13.03	47.71	-9.00e-05	-58.58	0.0	33.34	-12.26	15.25	-3.72	28.25	0.10
		-2.00	28.25	6.58e-05		127.6	33.34	32.07	15.25	-3.97	47.71	13.03
169	22	8.38	1.69	-2.77e-04	-86.17	0.0	0.31	-30.14	-4.21	-2.26	1.69	3.81
		-4.97	-3.68	3.25e-05		127.6	0.31	38.72	-4.21	-1.92	-3.68	8.38
169	23	16.23	10.80	-1.88e-05	-73.36	0.0	18.66	-17.52	-0.38	-4.58	10.80	-0.93
		-4.07	10.32	7.43e-05		127.6	18.66	44.51	-0.38	-4.53	10.32	16.23
169	24	5.18	33.71	-1.68e-04	-65.03	0.0	14.98	-24.88	11.42	-1.40	19.14	4.84
		-3.15	19.14	2.40e-05		127.6	14.98	26.28	11.42	-1.36	33.71	5.18
169	25	14.71	8.12	-1.04e-04	-79.01	0.0	14.51	-21.29	-1.01	-4.29	8.12	0.32
		-4.16	6.83	4.33e-05		127.6	14.51	44.38	-1.01	-4.13	6.83	14.71

169	26	6.70	37.20	-8.31e-05	-60.57	0.0	19.13	-21.11	12.05	-1.69	21.82	3.60
		-2.49	21.82	5.50e-05		127.6	19.13	26.40	12.05	-1.76	37.20	6.70
173	1	128.07	0.05	4.76e-04	-72.22	0.0	8.35	-70.64	0.26	-3.29	-1.31	31.65
		-44.18	-1.31	-5.96e-05		517.1	8.35	119.09	0.26	-3.71	0.05	128.07
173	2	217.27	-1.38	7.71e-04	-101.48	0.0	13.99	-100.23	-0.02	-5.30	-1.38	39.66
		-63.03	-1.50	-9.28e-05		517.1	13.99	187.30	-0.02	-6.02	-1.50	217.27
173	3	43.63	0.99	1.85e-04	-37.54	0.0	2.94	-36.13	0.38	-1.29	-0.96	19.42
		-23.12	-0.96	-2.55e-05		517.1	2.94	49.63	0.38	-1.43	0.99	43.63
173	4	132.82	-0.56	4.80e-04	-66.81	0.0	8.59	-65.72	0.09	-3.30	-1.04	27.43
		-41.08	-1.04	-5.86e-05		517.1	8.59	117.84	0.09	-3.74	-0.56	132.82
173	5	91.20	0.16	3.42e-04	-53.15	0.0	5.96	-51.91	0.23	-2.36	-1.00	23.69
		-32.54	-1.00	-4.31e-05		517.1	5.96	86.01	0.23	-2.67	0.16	91.20
173	6	150.66	-0.87	5.39e-04	-72.66	0.0	9.72	-71.63	0.04	-3.70	-1.05	29.03
		-44.93	-1.05	-6.52e-05		517.1	9.72	131.49	0.04	-4.21	-0.87	150.66
173	7	91.20	0.16	3.42e-04	-53.15	0.0	5.96	-51.91	0.23	-2.36	-1.00	23.69
		-32.54	-1.00	-4.31e-05		517.1	5.96	86.01	0.23	-2.67	0.16	91.20
173	8	132.82	-0.56	4.80e-04	-66.81	0.0	8.59	-65.72	0.09	-3.30	-1.04	27.43
		-41.08	-1.04	-5.86e-05		517.1	8.59	117.84	0.09	-3.74	-0.56	132.82
173	9	91.20	0.16	3.42e-04	-53.15	0.0	5.96	-51.91	0.23	-2.36	-1.00	23.69
		-32.54	-1.00	-4.31e-05		517.1	5.96	86.01	0.23	-2.67	0.16	91.20
173	10	126.88	-0.45	4.60e-04	-64.86	0.0	8.22	-63.75	0.11	-3.17	-1.03	26.89
		-39.80	-1.03	-5.64e-05		517.1	8.22	113.29	0.11	-3.59	-0.45	126.88
173	11	130.82	1.03	4.63e-04	-65.22	0.0	-7.86	-61.98	1.09	-0.76	-4.59	20.83
		-42.30	-4.59	-1.26e-04		517.1	-7.86	115.60	1.09	-1.47	1.03	130.82
173	12	134.67	2.56	4.78e-04	-64.97	0.0	13.31	-59.80	0.45	-6.05	0.23	17.28
		-42.39	0.23	-4.48e-05		517.1	13.31	116.70	0.45	-6.12	2.56	134.67
173	13	131.92	2.03	4.64e-04	-65.24	0.0	-8.05	-61.44	1.36	-1.03	-5.02	19.42
		-42.73	-5.02	-1.55e-04		517.1	-8.05	116.10	1.36	-1.71	2.03	131.92
173	14	133.57	1.57	4.77e-04	-64.96	0.0	13.49	-60.33	0.17	-5.78	0.67	18.69
		-41.97	0.67	-1.84e-05		517.1	13.49	116.20	0.17	-5.88	1.57	133.57
173	15	164.23	2.87	5.12e-04	-65.73	0.0	-13.73	-44.24	1.06	-4.53	-2.62	-25.04
		-58.57	-2.62	-1.61e-04		517.1	-13.73	130.69	1.06	-4.79	2.87	164.23
173	16	101.27	0.72	4.29e-04	-64.47	0.0	19.17	-77.54	0.48	-2.28	-1.74	63.15
		-32.35	-1.74	-9.19e-06		517.1	19.17	101.61	0.48	-2.80	0.72	101.27
173	17	169.46	5.40	5.27e-04	-65.73	0.0	-14.53	-40.93	1.73	-5.30	-3.55	-32.73
		-61.68	-3.55	-2.41e-04		517.1	-14.53	132.87	1.73	-5.46	5.40	169.46
173	18	96.03	-0.81	4.14e-04	-64.47	0.0	19.98	-80.85	-0.19	-1.52	-0.81	70.84
		-31.89	-1.81	7.09e-05		517.1	19.98	99.43	-0.19	-2.13	-1.81	96.03
173	19	119.89	-2.16	4.44e-04	-64.75	0.0	3.65	-67.29	-0.19	-0.58	-2.16	35.51
		-38.22	-3.16	-6.71e-05		517.1	3.65	110.25	-0.19	-1.32	-3.16	119.89
173	20	133.86	2.25	4.76e-04	-64.96	0.0	12.78	-60.21	0.42	-5.75	0.10	18.28
		-42.12	0.10	-4.57e-05		517.1	12.78	116.34	0.42	-5.86	2.25	133.86
173	21	120.88	-2.27	4.45e-04	-64.76	0.0	3.48	-66.81	0.05	-0.82	-2.55	34.25
		-38.46	-2.55	-9.31e-05		517.1	3.48	110.69	0.05	-1.54	-2.27	120.88
173	22	132.88	1.36	4.75e-04	-64.95	0.0	12.95	-60.68	0.17	-5.51	0.49	19.54
		-41.74	0.49	-2.07e-05		517.1	12.95	115.90	0.17	-5.65	1.36	132.88
173	23	149.83	-0.40	4.88e-04	-65.20	0.0	-1.61	-51.38	-0.22	-3.96	-0.40	-5.61
		-50.23	-1.51	-9.87e-05		517.1	-1.61	123.77	-0.22	-4.30	-1.51	149.83
173	24	103.92	0.60	4.32e-04	-64.51	0.0	18.04	-76.11	0.44	-2.37	-1.66	59.39
		-32.97	-1.66	-1.41e-05		517.1	18.04	102.82	0.44	-2.88	0.60	103.92
173	25	154.52	0.76	5.02e-04	-65.21	0.0	-2.33	-48.42	0.38	-4.65	-1.23	-12.50
		-52.80	-1.23	-1.71e-04		517.1	-2.33	125.73	0.38	-4.90	0.76	154.52
173	26	99.23	-0.83	4.19e-04	-64.51	0.0	18.76	-79.07	-0.16	-1.69	-0.83	66.29
		-32.32	-1.67	5.77e-05		517.1	18.76	100.86	-0.16	-2.28	-1.67	99.23
175	1	129.63	1.03	-4.74e-04	-72.98	0.0	5.03	-71.62	-0.39	3.31	1.03	33.55
		-43.62	-1.00	8.17e-05		517.1	5.03	119.89	-0.39	3.96	-1.00	129.63
175	2	220.06	2.40	-7.76e-04	-102.92	0.0	12.17	-101.64	-1.14	5.54	2.40	42.15
		-62.30	-3.49	1.40e-04		517.1	12.17	188.92	-1.14	6.62	-3.49	220.06
175	3	44.07	0.77	-1.80e-04	-37.71	0.0	-0.52	-36.62	0.16	1.18	-0.04	20.51
		-22.73	-0.04	2.72e-05		517.1	-0.52	49.75	0.16	1.41	0.77	44.07
175	4	134.50	1.32	-4.81e-04	-67.65	0.0	6.62	-66.64	-0.59	3.40	1.32	29.12
		-40.56	-1.73	8.51e-05		517.1	6.62	118.77	-0.59	4.07	-1.73	134.50
175	5	92.30	0.68	-3.40e-04	-53.68	0.0	3.29	-52.63	-0.24	2.36	0.68	25.10
		-32.11	-0.56	5.81e-05		517.1	3.29	86.56	-0.24	2.83	-0.56	92.30
175	6	152.58	1.59	-5.41e-04	-73.64	0.0	8.04	-72.64	-0.74	3.85	1.59	30.84
		-44.39	-2.22	9.67e-05		517.1	8.04	132.58	-0.74	4.60	-2.22	152.58
175	7	92.30	0.68	-3.40e-04	-53.68	0.0	3.29	-52.63	-0.24	2.36	0.68	25.10
		-32.11	-0.56	5.81e-05		517.1	3.29	86.56	-0.24	2.83	-0.56	92.30
175	8	134.50	1.32	-4.81e-04	-67.65	0.0	6.62	-66.64	-0.59	3.40	1.32	29.12
		-40.56	-1.73	8.51e-05		517.1	6.62	118.77	-0.59	4.07	-1.73	134.50
175	9	92.30	0.68	-3.40e-04	-53.68	0.0	3.29	-52.63	-0.24	2.36	0.68	25.10
		-32.11	-0.56	5.81e-05		517.1	3.29	86.56	-0.24	2.83	-0.56	92.30
175	10	128.47	1.23	-4.61e-04	-65.66	0.0	6.14	-64.64	-0.54	3.25	1.23	28.54
		-39.28	-1.56	8.12e-05		517.1	6.14	114.17	-0.54	3.89	-1.56	128.47

175	11	133.83	0.72	-4.86e-04	-65.97	0.0	5.89	-60.86	-1.89	5.75	0.72	18.36
		-42.90	-9.03	5.18e-05		517.1	5.89	117.15	-1.89	6.08	-9.03	133.83
175	12	130.74	2.98	-4.58e-04	-65.97	0.0	0.77	-63.66	-0.33	0.46	2.98	24.30
		-41.34	1.26	9.26e-05		517.1	0.77	115.74	-0.33	1.45	1.26	130.74
175	13	134.31	0.41	-4.87e-04	-66.02	0.0	5.76	-60.61	-1.67	5.50	0.41	17.57
		-43.21	-8.23	3.16e-05		517.1	5.76	117.43	-1.67	5.86	-8.23	134.31
175	14	130.26	3.29	-4.57e-04	-65.92	0.0	0.89	-63.91	-0.55	0.71	3.29	25.10
		-41.03	0.45	1.21e-04		517.1	0.89	115.46	-0.55	1.66	0.45	130.26
175	15	167.74	3.81	-5.00e-04	-66.74	0.0	2.12	-46.11	-2.40	2.16	3.81	-21.78
		-57.35	-8.60	2.94e-05		517.1	2.12	132.41	-2.40	2.92	-8.60	167.74
175	16	96.82	0.82	-4.44e-04	-65.20	0.0	4.54	-78.41	0.18	4.06	-0.11	64.45
		-33.67	-0.11	1.10e-04		517.1	4.54	100.49	0.18	4.60	0.82	96.82
175	17	165.33	3.32	-4.95e-04	-66.87	0.0	2.04	-46.72	-2.07	1.47	3.32	-21.77
		-58.15	-7.37	-6.64e-05		517.1	2.04	131.95	-2.07	2.33	-7.37	165.33
175	18	99.24	0.38	-4.49e-04	-65.07	0.0	4.62	-77.80	-0.15	4.74	0.38	64.44
		-32.45	-0.41	1.89e-04		517.1	4.62	100.95	-0.15	5.19	-0.41	99.24
175	19	126.43	-0.35	-4.64e-04	-65.38	0.0	10.96	-65.51	-0.72	5.76	-0.35	32.34
		-37.64	-4.09	7.15e-05		517.1	10.96	112.76	-0.72	6.09	-4.09	126.43
175	20	130.50	2.80	-4.58e-04	-65.94	0.0	1.32	-63.76	-0.35	0.75	2.80	24.74
		-41.13	0.97	9.14e-05		517.1	1.32	115.58	-0.35	1.70	0.97	130.50
175	21	126.86	-0.62	-4.64e-04	-65.42	0.0	10.84	-65.28	-0.53	5.53	-0.62	31.63
		-37.85	-3.37	4.78e-05		517.1	10.84	113.01	-0.53	5.89	-3.37	126.86
175	22	130.07	3.08	-4.57e-04	-65.89	0.0	1.44	-63.99	-0.55	0.98	3.08	25.46
		-40.85	0.25	1.17e-04		517.1	1.44	115.33	-0.55	1.90	0.25	130.07
175	23	156.84	2.43	-4.76e-04	-66.07	0.0	7.58	-52.28	-1.18	2.53	2.43	-3.64
		-48.83	-3.70	5.55e-05		517.1	7.58	126.44	-1.18	3.26	-3.70	156.84
175	24	100.10	0.58	-4.46e-04	-65.24	0.0	4.70	-76.99	0.11	3.98	0.58	60.73
		-33.87	0.03	1.07e-04		517.1	4.70	101.91	0.11	4.53	0.58	100.10
175	25	154.67	1.98	-4.71e-04	-66.19	0.0	7.51	-52.84	-0.89	1.92	1.98	-3.63
		-49.55	-2.60	-1.53e-05		517.1	7.51	126.02	-0.89	2.73	-2.60	154.67
175	26	102.27	0.47	-4.50e-04	-65.13	0.0	4.77	-76.43	-0.19	4.59	0.47	60.72
		-32.81	-0.53	1.78e-04		517.1	4.77	102.32	-0.19	5.06	-0.53	102.27

Trave f.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	N	V 2	V 3	T
	-200.95	-64.11	-4.04e-03	-222.12	-144.52	-513.03	-47.59	-41.64
	664.71	52.12	2.97e-03	-30.93	152.34	493.40	66.07	68.44

RISULTATI ELEMENTI TIPO SHELL

Per quanto attiene gli elementi tipo shell si veda la relazione geotecnica.

VERIFICHE ELEMENTI TRAVE C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE C.A.

In tabella vengono riportati per ogni elemento il numero dello stesso ed il codice di verifica.

Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili 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 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.

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.

In particolare i simboli utilizzati con il metodo delle tensioni ammissibili assumono il seguente significato:

M_P X Y	Numero della pilastrata e posizione in pianta
M_T Z P P	Numero della travata, quota media pilastrata iniziale e finale (nodo in assenza di pilastrata)
Pilas. o Trave	numero identificativo dell'elemento
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m); nella terza riga viene riportato il valore delle snellezze in direzione 2-2 e 3-3
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Quota	Ascissa del punto di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Armat. long.	Numero e diametro dei ferri di armatura longitudinale: ferri di vertice + ferri di lato (vedi seguente figura)
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup	Area di armatura longitudinale posta all'estradosso della trave
Sc max	Massima tensione di compressione del calcestruzzo
Sc med	Massima tensione media di compressione del calcestruzzo
Sf max	Tensione massima nell'acciaio
staffe	Vengono riportati i dati del tratto di staffatura in cui cade la sezione di verifica; in particolare: numero dei bracci, diametro, passo, lunghezza tratto
Tau max	Tensione massima tangenziale nel cls
Rif. comb	Combinazioni in cui si generano i seguenti valori di tensione: Sc max, Sc med, Sf max, Tau max
AfV	area dell'armatura atta ad assorbire le azioni di taglio
AfT	area dell'armatura atta ad assorbire le azioni di torsione
Scorr. P	Scorrimento dei piegati
Af long.	Area del ferro longitudinale aggiuntivo per assorbire la torsione

Mentre i simboli utilizzati con il metodo degli stati limite assumono il seguente significato:

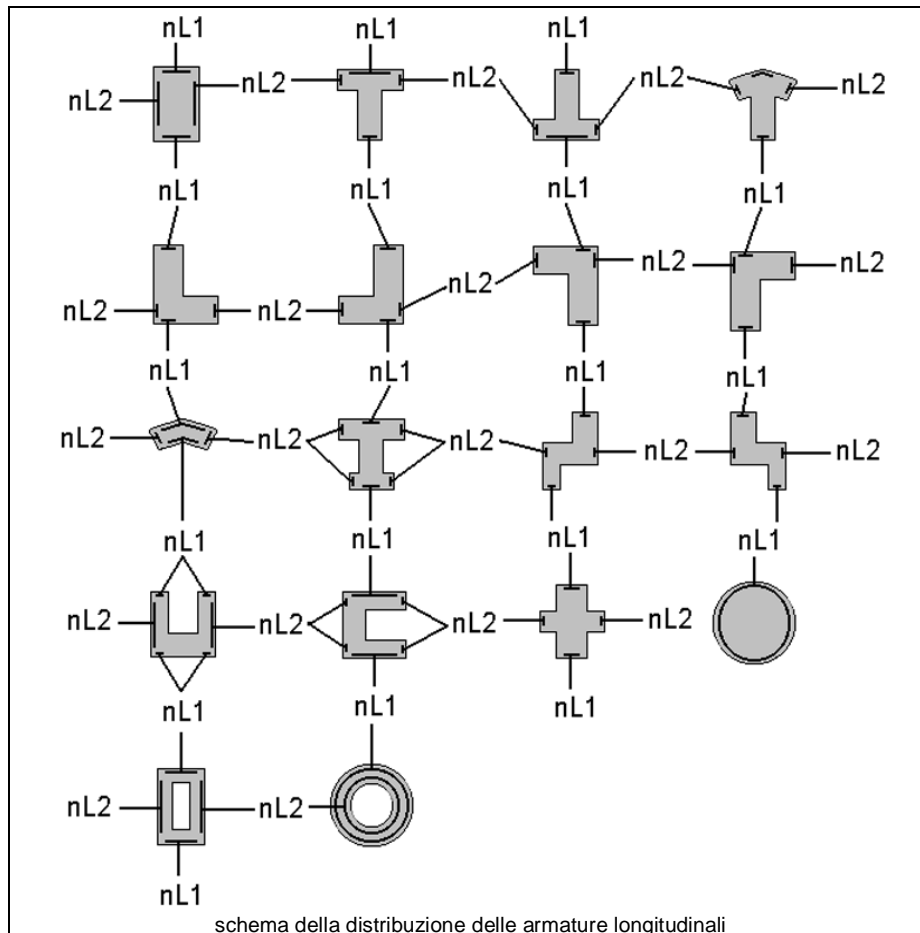
r. snell.	Rapporto λ su λ^* : valore superiore a 1 per elementi snelli, caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
Verifica(verif.)	rapporto S_d/S_u con sollecitazioni ultime proporzionali o a sforzo normale costante: valore minore o uguale a 1 per verifica positiva
ver.sis	rapporto N_d/N_u con N_u calcolato come al punto 7.4.4.2.2.1; valore minore o uguale a 1 per verifica positiva
ver.V/T	rapporto S_d/S_u con sollecitazioni taglianti e torcenti proporzionali valore minore o uguale a 1 per verifica positiva
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)

Per gli elementi progettati secondo il criterio della gerarchia delle resistenze (pilastri e travi) si riporta una ulteriore tabella di seguito descritta:

M negativo i	Valore del momento resistente negativo (positivo) all'estremità iniziale i (finale f) della trave
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f (positivo i e negativo f)
V totale	Massimo valore assoluto ottenuto per combinazione del taglio isostatico e dei tagli concomitanti (p.to 7.4.4.1.1.)
Verif. V	Rapporto tra il taglio massimo e V_{r1} (p.to 7.4.4.1.2.2);
Sovr. 2-2 i	Sovreresistenza del pilastro (come da formula 7.4.4). Rapporto tra i momenti resistenti delle travi e dei pilastri. Il valore del fattore rispettivamente per il momento 2-2 (3-3) alla base i ed alla sommità f del pilastro deve essere maggiore del γ_{Rd} adottato
M 2-2 i	Valore del momento resistente rispettivamente per 2-2 (3-3) alla base i ed alla sommità f del pilastro (massimo momento in presenza dello sforzo normale di calcolo)
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M2-2	Valore del taglio generato dai momenti resistenti 2-2 (3-3)

Per i nodi trave-pilastro viene riportata la seguente tabella relativa al calcolo delle armature di confinamento e alla verifica di resistenza del nodo (richiesta solo per strutture in classe di duttilità alta); le caselle vuote indicano parametri non riportati in quanto non necessari.

Stato	Esito della verifica (come da formula 7.4.8) per resistenza a compressione del nodo (solo CDA)
I 7.4.29	Passo delle staffe di confinamento come richiesto dalla formula 7.4.29
Bj2(3)	Dimensione del nodo per il taglio in direzione 2 (3)
Hjc2(2)	Distanza tra le giaciture di armatura del pilastro per il taglio in direzione 2 (3)
V. 7.4.8	Rapporto tra il taglio V_{jbd} e il taglio resistente come da formula 7.4.8 (solo CDA)
I 7.4.10	Passo delle staffe valutato in funzione della formula 7.4.10 (solo CDA)



Con riferimento al **Documento di Affidabilità** "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST" - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
24	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
27	FRECCIA DI ELEMENTI TRAVE
41	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
42	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
43	VERIFICA ALLE TA DI STRUTTURE IN C.A.
44	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
46	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
47	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
49	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
50	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
52	SOVRARESISTENZE
53	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
68	VALUTAZIONE EFFETTO P- δ SU PILASTRATA
69	VALUTAZIONE EFFETTO P- δ SU TELAIO 3D
120	PROGETTO E VERIFICA DI TRAVI PREM

Pilas.	Note	Stato	Quota cm	%Af	M_P= 1 r. snell.	X=1.7 Armat. long.	Y=0.0 verif.	ver.sis	Staffe L=cm	v V/T	cls v V/T	acc	Rif. cmb
41	s=1,m=3	ok,ok	-2.78e-02	1.13	0.68	4d18 0+0 d18	0.40	0.13	2+2d8/13 L=60	0.20	0.17	17,17,18,17	
			181.5	1.13	0.68	4d18 0+0 d18	0.11	0.122+2d8/22	L=242	0.20	0.27	2,17,18,17	
	[b=1.0;1.0]		363.0	1.13	0.68	4d18 0+0 d18	0.43	0.12	2+2d8/13 L=60	0.20	0.17	17,17,18,17	
					M_P= 2	X=433.7	Y=0.0						
42	s=1,m=3	ok,ok	-2.78e-02	1.13	1.46	4d18 0+0 d18	0.33	0.15	2+2d8/13 L=60	0.27	0.21	18,17,18,18	
			181.5	1.13	1.46	4d18 0+0 d18	0.17	0.152+2d8/22	L=242	0.27	0.34	2,17,18,18	
	[b=1.0;1.0]		363.0	1.13	1.46	4d18 0+0 d18	0.23	0.14	2+2d8/13 L=60	0.27	0.21	17,17,18,18	
					M_P= 3	X=765.8	Y=0.0						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif. cmb

43	s=1,m=3	ok,ok	-2.78e-02	1.13	1.08	4d18 0+0 d18	0.40	0.22	2+2d8/13 L=60	0.16	0.14	17,12,18,18
			181.5	1.13	1.08	4d18 0+0 d18	0.31	0.212+2d8/22 L=242		0.16	0.23	2,12,18,18
	[b=1.0;1.0]		363.0	1.13	1.08	4d18 0+0 d18	0.30	0.21	2+2d8/13 L=60	0.16	0.14	2,12,18,18
					M_P= 4	X=1430.2	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
44	s=1,m=3	ok,ok	-2.78e-02	1.13	0.66	4d18 0+0 d18	0.37	0.26	2+2d8/13 L=60	0.27	0.22	17,13,17,18
			181.5	1.13	0.66	4d18 0+0 d18	0.27	0.262+2d8/22 L=242		0.27	0.35	2,13,17,18
	[b=1.0;1.0]		363.0	1.13	0.66	4d18 0+0 d18	0.29	0.25	2+2d8/13 L=60	0.27	0.22	17,13,17,18
					M_P= 5	X=1969.1	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
45	s=1,m=3	ok,ok	-2.78e-02	1.13	0.67	4d18 0+0 d18	0.36	0.13	2+2d8/13 L=60	0.13	0.10	17,17,17,17
			181.5	1.13	0.67	4d18 0+0 d18	0.11	0.122+2d8/22 L=242		0.13	0.16	2,17,17,17
	[b=1.0;1.0]		363.0	1.13	0.67	4d18 0+0 d18	0.34	0.12	2+2d8/13 L=60	0.14	0.10	17,17,17,17
					M_P= 6	X=2309.1	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
46	s=1,m=3	ok,ok	-2.78e-02	1.13	0.44	4d18 0+0 d18	0.29	0.12	2+2d8/13 L=60	0.07	0.07	17,15,17,15
			181.5	1.13	0.44	4d18 0+0 d18	0.11	0.122+2d8/22 L=242		0.07	0.11	2,15,17,15
	[b=1.0;1.0]		363.0	1.13	0.44	4d18 0+0 d18	0.22	0.11	2+2d8/13 L=60	0.07	0.07	11,15,17,15
					M_P= 7	X=2850.5	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
47	s=1,m=3	ok,ok	-2.78e-02	1.13	0.75	4d18 0+0 d18	0.32	0.26	2+2d8/13 L=60	0.26	0.22	15,17,16,16
			181.5	1.13	0.75	4d18 0+0 d18	0.27	0.262+2d8/22 L=242		0.26	0.35	2,17,16,16
	[b=1.0;1.0]		363.0	1.13	0.75	4d18 0+0 d18	0.27	0.26	2+2d8/13 L=60	0.26	0.22	2,17,16,16
					M_P= 8	X=3512.3	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
48	s=1,m=3	ok,ok	-2.78e-02	1.13	0.84	4d18 0+0 d18	0.36	0.22	2+2d8/13 L=60	0.19	0.16	15,18,15,15
			181.5	1.13	0.84	4d18 0+0 d18	0.22	0.212+2d8/22 L=242		0.19	0.26	2,18,15,15
	[b=1.0;1.0]		363.0	1.13	0.84	4d18 0+0 d18	0.28	0.21	2+2d8/13 L=60	0.19	0.16	15,18,15,15
					M_P= 9	X=3844.5	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
49	s=1,m=3	ok,ok	-2.78e-02	1.13	0.59	4d18 0+0 d18	0.23	0.14	2+2d8/13 L=60	0.30	0.24	12,15,15,15
			181.5	1.13	0.59	4d18 0+0 d18	0.13	0.142+2d8/22 L=242		0.30	0.38	2,15,15,15
	[b=1.0;1.0]		363.0	1.13	0.59	4d18 0+0 d18	0.21	0.13	2+2d8/13 L=60	0.30	0.24	12,15,15,15
					M_P= 10	X=4273.0	Y=0.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
50	s=1,m=3	ok,ok	-2.78e-02	1.13	0.42	4d18 0+0 d18	0.27	0.05	2+2d8/13 L=60	0.15	0.13	12,11,17,15
			181.5	1.13	0.42	4d18 0+0 d18	0.15	0.052+2d8/22 L=242		0.15	0.21	15,11,17,15
	[b=1.0;1.0]		363.0	1.13	0.42	4d18 0+0 d18	0.31	0.04	2+2d8/13 L=60	0.15	0.13	12,11,17,15
					M_P= 11	X=1969.1	Y=180.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
170	s=1,m=3	ok,ok	-2.78e-02	1.13	0.51	4d18 0+0 d18	0.50	0.13	2+2d8/13 L=60	0.13	0.13	17,18,17,17
			181.5	1.13	0.51	4d18 0+0 d18	0.12	0.122+2d8/22 L=242		0.13	0.21	2,18,17,17
	[b=1.0;1.0]		363.0	1.13	0.51	4d18 0+0 d18	0.61	0.12	2+2d8/13 L=60	0.13	0.13	17,18,17,17
					M_P= 12	X=2309.1	Y=180.0					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
171	s=1,m=3	ok,ok	-2.78e-02	1.13	0.46	4d18 0+0 d18	0.44	0.12	2+2d8/13 L=60	0.11	0.12	17,16,17,17
			181.5	1.13	0.46	4d18 0+0 d18	0.12	0.122+2d8/22 L=242		0.11	0.20	2,16,17,17
	[b=1.0;1.0]		363.0	1.13	0.46	4d18 0+0 d18	0.55	0.12	2+2d8/13 L=60	0.11	0.12	17,16,17,17
					M_P= 13	X=4050.6	Y=510.5					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
60	s=1,m=3	ok,ok	-2.78e-02	1.13	0.39	4d18 0+0 d18	0.07	0.02	2+2d8/13 L=60	0.08	0.06	2,15,2,2
			181.5	1.13	0.39	4d18 0+0 d18	0.07	0.012+2d8/22 L=242		0.08	0.10	2,15,2,2
	[b=1.0;1.0]		363.0	1.13	0.39	4d18 0+0 d18	0.06	7.98e-03	2+2d8/13 L=60	0.08	0.06	2,15,2,2
					M_P= 14	X=4273.0	Y=510.5					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
61	s=1,m=3	ok,ok	-2.78e-02	1.13	0.41	4d18 0+0 d18	0.04	0.02	2+2d8/13 L=60	0.06	0.06	2,12,2,2
			181.5	1.13	0.41	4d18 0+0 d18	0.04	0.022+2d8/22 L=242		0.06	0.09	2,12,2,2
	[b=1.0;1.0]		363.0	1.13	0.41	4d18 0+0 d18	0.04	0.01	2+2d8/13 L=60	0.06	0.06	11,12,2,2
					M_P= 15	X=1.7	Y=697.1					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
52	s=1,m=3	ok,ok	-2.78e-02	1.13	1.19	4d18 0+0 d18	0.32	0.21	2+2d8/13 L=60	0.09	0.09	2,13,18,17
			181.5	1.13	1.19	4d18 0+0 d18	0.26	0.212+2d8/22 L=242		0.09	0.15	2,13,18,17
	[b=1.0;1.0]		363.0	1.13	1.19	4d18 0+0 d18	0.29	0.20	2+2d8/13 L=60	0.09	0.09	2,13,18,17
					M_P= 17	X=765.8	Y=697.1					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
53	s=1,m=3	ok,ok	-2.78e-02	1.13	1.79	4d18 0+0 d18	0.47	0.41	2+2d8/13 L=60	0.13	0.10	2,17,18,18
			181.5	1.13	1.79	4d18 0+0 d18	0.47	0.402+2d8/22 L=242		0.13	0.16	2,17,18,18
	[b=1.0;1.0]		363.0	1.13	1.79	4d18 0+0 d18	0.49	0.40	2+2d8/13 L=60	0.13	0.10	2,17,18,18
					M_P= 18	X=1430.2	Y=697.1					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc Rif. cmb
54	s=1,m=3	ok,ok	-2.78e-02	1.13	1.71	4d18 0+0 d18	0.68	0.55	2+2d8/13 L=60	0.09	0.07	2,17,17,17
			181.5	1.13	1.71	4d18 0+0 d18	0.68	0.552+2d8/22 L=242		0.09	0.12	2,17,17,17
	[b=1.0;1.0]		363.0	1.13	1.71	4d18 0+0 d18	0.68	0.54	2+2d8/13 L=60	0.09	0.07	2,17,17,17
					M_P= 19	X=1969.1	Y=697.1					

Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
70	s=1,m=3	ok,ok	-2.78e-02	1.13	0.77	4d18 0+0 d18	0.48	0.40	2+2d8/13 L=60	0.15	0.12	0.12	2,12,17,17	
			181.5	1.13	0.77	4d18 0+0 d18	0.42	0.392+2d8/22 L=242		0.15	0.18	0.18	2,12,17,17	
	[b=1.0;1.0]		363.0	1.13	0.77	4d18 0+0 d18	0.57	0.39	2+2d8/13 L=60	0.15	0.12	0.12	2,12,17,17	
				M_P= 20		X=2309.1		Y=697.1						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
56	s=1,m=3	ok,ok	-2.78e-02	1.13	0.74	4d18 0+0 d18	0.47	0.37	2+2d8/13 L=60	0.11	0.12	0.12	2,18,15,2	
			181.5	1.13	0.74	4d18 0+0 d18	0.39	0.372+2d8/22 L=242		0.11	0.18	0.18	2,18,15,2	
	[b=1.0;1.0]		363.0	1.13	0.74	4d18 0+0 d18	0.58	0.36	2+2d8/13 L=60	0.11	0.12	0.12	2,18,15,2	
				M_P= 21		X=2850.5		Y=697.1						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
57	s=1,m=3	ok,ok	-2.78e-02	1.13	1.08	4d18 0+0 d18	0.81	0.63	2+2d8/13 L=60	0.40	0.35	0.35	2,13,16,15	
			181.5	1.13	1.08	4d18 0+0 d18	0.81	0.632+2d8/22 L=242		0.40	0.56	0.56	2,13,16,15	
	[b=1.0;1.0]		363.0	1.13	1.08	4d18 0+0 d18	0.82	0.63	2+2d8/13 L=60	0.40	0.35	0.35	2,13,16,15	
				M_P= 22		X=3512.3		Y=697.1						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
58	s=1,m=3	ok,ok	-2.78e-02	1.13	0.91	4d18 0+0 d18	0.57	0.50	2+2d8/13 L=60	0.53	0.42	0.42	2,14,15,15	
			181.5	1.13	0.91	4d18 0+0 d18	0.54	0.502+2d8/22 L=242		0.53	0.67	0.67	2,14,15,15	
	[b=1.0;1.0]		363.0	1.13	0.91	4d18 0+0 d18	0.68	0.49	2+2d8/13 L=60	0.53	0.42	0.42	2,14,15,15	
				M_P= 23		X=3898.2		Y=697.1						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
59	s=1,m=3	ok,ok	-2.78e-02	1.13	0.27	4d18 0+0 d18	0.54	0.02	2+2d8/13 L=60	0.18	0.14	0.14	2,15,2,2	
			181.5	1.13	0.27	4d18 0+0 d18	0.25	0.022+2d8/22 L=242		0.18	0.22	0.22	2,15,2,2	
	[b=1.0;1.0]		363.0	1.13	0.27	4d18 0+0 d18	0.28	0.01	2+2d8/13 L=60	0.19	0.14	0.14	12,15,2,2	
				M_P= 24		X=456.0		Y=866.7						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
62	s=1,m=3	ok,ok	-2.78e-02	1.13	0.37	4d18 0+0 d18	0.10	0.02	2+2d8/13 L=60	0.05	0.04	0.04	17,18,15,17	
			181.5	1.13	0.37	4d18 0+0 d18	0.07	0.012+2d8/22 L=242		0.05	0.06	0.06	17,18,15,17	
	[b=1.0;1.0]		363.0	1.13	0.37	4d18 0+0 d18	0.04	7.55e-03	2+2d8/13 L=60	0.05	0.04	0.04	17,18,15,17	
				M_P= 25		X=961.7		Y=901.9						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
63	s=1,m=3	ok,ok	-2.78e-02	1.13	0.43	4d18 0+0 d18	0.11	0.02	2+2d8/13 L=60	0.07	0.06	0.06	18,17,15,15	
			181.5	1.13	0.43	4d18 0+0 d18	0.14	0.022+2d8/22 L=242		0.07	0.09	0.09	18,17,15,15	
	[b=1.0;1.0]		363.0	1.13	0.43	4d18 0+0 d18	0.16	0.01	2+2d8/13 L=60	0.07	0.06	0.06	18,17,15,15	
				M_P= 26		X=910.3		Y=1036.3						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
64	s=1,m=3	ok,ok	-2.78e-02	1.13	0.27	4d18 0+0 d18	0.01	0.01	2+2d8/13 L=60	0.05	0.04	0.04	18,11,2,2	
			181.5	1.13	0.27	4d18 0+0 d18	0.02	8.46e-032+2d8/22 L=242		0.05	0.06	0.06	2,11,2,2	
	[b=1.0;1.0]		363.0	1.13	0.27	4d18 0+0 d18	0.05	4.22e-03	2+2d8/13 L=60	0.05	0.04	0.04	2,11,2,2	
				M_P= 27		X=1350.6		Y=1050.6						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
65	s=1,m=3	ok,ok	-2.78e-02	1.13	0.31	4d18 0+0 d18	0.03	0.02	2+2d8/13 L=60	0.07	0.06	0.06	17,17,17,17	
			181.5	1.13	0.31	4d18 0+0 d18	0.02	0.012+2d8/22 L=242		0.07	0.09	0.09	17,17,17,17	
	[b=1.0;1.0]		363.0	1.13	0.31	4d18 0+0 d18	9.87e-03	7.43e-03	2+2d8/13 L=60	0.07	0.06	0.06	17,17,17,17	
				M_P= 28		X=1739.5		Y=1199.2						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
69	s=1,m=3	ok,ok	-2.78e-02	1.13	0.21	4d18 0+0 d18	0.05	0.01	2+2d8/13 L=60	0.10	0.08	0.08	17,18,17,17	
			181.5	1.13	0.21	4d18 0+0 d18	0.06	6.49e-032+2d8/22 L=242		0.10	0.13	0.13	17,18,17,17	
	[b=1.0;1.0]		363.0	1.13	0.21	4d18 0+0 d18	0.07	2.25e-03	2+2d8/13 L=60	0.10	0.08	0.08	17,18,17,17	
				M_P= 29		X=1969.1		Y=1199.2						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
67	s=1,m=3	ok,ok	-2.78e-02	1.13	0.53	4d18 0+0 d18	0.51	0.03	2+2d8/13 L=60	0.16	0.16	0.16	17,18,17,17	
			181.5	1.13	0.53	4d18 0+0 d18	0.32	0.022+2d8/22 L=242		0.16	0.26	0.26	17,18,17,17	
	[b=1.0;1.0]		363.0	1.13	0.53	4d18 0+0 d18	0.38	0.02	2+2d8/13 L=60	0.16	0.16	0.16	2,18,17,17	
				M_P= 30		X=2309.1		Y=1199.2						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
68	s=1,m=3	ok,ok	-2.78e-02	1.13	0.48	4d18 0+0 d18	0.53	0.03	2+2d8/13 L=60	0.18	0.18	0.18	17,15,15,15	
			181.5	1.13	0.48	4d18 0+0 d18	0.36	0.022+2d8/22 L=242		0.18	0.28	0.28	17,15,15,15	
	[b=1.0;1.0]		363.0	1.13	0.48	4d18 0+0 d18	0.37	0.02	2+2d8/13 L=60	0.18	0.18	0.18	2,15,15,15	
				M_P= 31		X=2850.5		Y=1199.2						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
66	s=1,m=3	ok,ok	-2.78e-02	1.13	0.41	4d18 0+0 d18	0.08	0.02	2+2d8/13 L=60	0.03	0.03	0.03	15,16,17,17	
			181.5	1.13	0.41	4d18 0+0 d18	0.05	0.012+2d8/22 L=242		0.03	0.05	0.05	15,16,17,17	
	[b=1.0;1.0]		363.0	1.13	0.41	4d18 0+0 d18	0.03	9.19e-03	2+2d8/13 L=60	0.03	0.03	0.03	15,16,17,17	
				M_P= 32		X=3488.0		Y=1199.2						
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T	cls v V/T	acc	Rif.	cmb
55	s=1,m=3	ok,ok	-2.78e-02	1.13	0.37	4d18 0+0 d18	0.03	0.02	2+2d8/13 L=60	0.08	0.07	0.07	16,17,17,17	
			181.5	1.13	0.37	4d18 0+0 d18	0.03	0.022+2d8/22 L=242		0.08	0.11	0.11	16,17,17,17	
	[b=1.0;1.0]		363.0	1.13	0.37	4d18 0+0 d18	0.03	0.01	2+2d8/13 L=60	0.08	0.07	0.07	2,17,17,17	
Pilas.				%Af	r. snell.		verif.	ver.sis		v V/T	cls v V/T	acc		
				4.79	1.79		0.82	0.63		0.53	0.74			

Nodo	Stato	Pilas.	Diam st mm	I 7.4.29 cm	n. br. 2	Bj2 cm	Hjc2 cm	n. br. 3	Bj3 cm	Hjc3 cm	V. 7.4.8	I 7.4.10	Rif. cmb
1		59	8	10.4	2	30.0		2	30.0				
2		41	8	10.4	2	30.0		2	30.0				
3		55	8	10.4	2	30.0		2	30.0				
4		51	8	10.4	2	30.0		2	30.0				
6		43	8	10.4	2	30.0		2	30.0				
7		49	8	10.4	2	30.0		2	30.0				
8		53	8	10.4	2	30.0		2	30.0				
10		44	8	10.4	2	30.0		2	30.0				
12		54	8	10.4	2	30.0		2	30.0				
14		45	8	10.4	2	30.0		2	30.0				
15		63	8	10.4	2	30.0		2	30.0				
16		70	8	10.4	2	30.0		2	30.0				
18		46	8	10.4	2	30.0		2	30.0				
19		69	8	10.4	2	30.0		2	30.0				
20		56	8	10.4	2	30.0		2	30.0				
22		68	8	10.4	2	30.0		2	30.0				
23		60	8	10.4	2	30.0		2	30.0				
24		67	8	10.4	2	30.0		2	30.0				
25		42	8	10.4	2	30.0		2	30.0				
26		47	8	10.4	2	30.0		2	30.0				
27		61	8	10.4	2	30.0		2	30.0				
28		57	8	10.4	2	30.0		2	30.0				
30		66	8	10.4	2	30.0		2	30.0				
31		50	8	10.4	2	30.0		2	30.0				
32		48	8	10.4	2	30.0		2	30.0				
33		52	8	10.4	2	30.0		2	30.0				
34		58	8	10.4	2	30.0		2	30.0				
128		170	8	10.4	2	30.0		2	30.0				
129		171	8	10.4	2	30.0		2	30.0				

Nodo

I 7.4.29
10.38

V. 7.4.8 I 7.4.10

Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe L=cm	Rif. cmb
21	ok,ok	0.0	0.31	12.1	12.1	4.6	0.09	0.27	0.29	0.90	2d8/15 L=75	2,15,17
	s=3,m=3	212.2	0.31	12.1	12.1	4.7	0.07	0.34	0.21	0.62	2d8/15 L=245	2,15,17
		424.4	0.31	12.1	12.1	5.0	0.09	0.39	0.42	0.85	2d8/10 L=75	2,2,17
17	ok,ok	0.0	0.31	12.1	12.1	0.0	0.09	0.33	0.22	0.26	2d8/15 L=75	2,2,2
	s=3,m=3	169.9	0.31	12.1	12.1	0.0	0.09	0.17	0.12	0.16	2d8/20 L=160	2,17,2
		339.8	0.32	12.5	12.1	0.0	0.10	0.89	0.44	0.56	2d8/15 L=75	2,2,2
M_T= 10Z=-2.78e-02 P=15 P=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
71	ok,ok	0.0	0.36	14.1	14.1	8.0	0.10	0.04	0.31	0.98	2d8/15 L=95	11,15,17
	s=3,m=1	216.0	0.36	14.1	14.1	8.0	0.07	0.16	0.24	0.85	2d8/16 L=212	2,18,18
		432.0	0.36	14.1	14.1	8.0	0.10	0.23	0.39	1.00	2d8/12 L=95	2,15,18
72	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.21	0.23	0.19	2d8/15 L=75	2,18,2
	s=3,m=1	166.1	0.36	14.1	14.1	0.0	0.10	0.09	0.19	0.09	2d8/22 L=152	2,18,2
		332.1	0.36	14.1	14.1	0.0	0.10	0.43	0.36	0.32	2d8/15 L=75	2,18,2
73	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.43	0.42	0.44	2d8/15 L=75	2,2,2
	s=3,m=1	332.2	0.36	14.1	14.1	0.0	0.07	0.27	0.09	0.03	2d8/22 L=485	2,17,2
		664.5	0.36	14.1	14.1	0.0	0.10	0.56	0.44	0.47	2d8/15 L=75	2,2,2
76	ok,ok	0.0	0.36	14.1	14.1	8.0	0.10	0.58	0.47	1.00	2d8/11 L=120	2,15,17
	s=3,m=1	269.4	0.36	14.1	14.1	8.0	0.07	0.14	0.24	0.75	2d8/16 L=269	2,15,17
		538.8	0.36	14.1	14.1	8.0	0.10	0.06	0.32	0.92	2d8/15 L=120	11,15,17
77	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.11	0.15	0.17	2d8/15 L=75	17,2,2
	s=3,m=1	170.0	0.36	14.1	14.1	0.0	0.07	0.08	0.03	0.03	2d8/22 L=160	2,17,12
		340.0	0.36	14.1	14.1	0.0	0.10	0.08	0.15	0.16	2d8/15 L=75	11,2,2
78	ok,ok	0.0	0.36	14.1	14.1	8.0	0.10	0.09	0.31	0.89	2d8/15 L=125	17,17,15
	s=3,m=1	270.7	0.36	14.1	14.1	8.0	0.07	0.14	0.20	0.73	2d8/18 L=262	2,17,15
		541.5	0.36	14.1	14.1	8.0	0.10	0.58	0.43	1.00	2d8/12 L=125	2,17,15
79	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.58	0.43	0.47	2d8/15 L=75	2,2,2
	s=3,m=1	330.9	0.36	14.1	14.1	0.0	0.07	0.26	0.07	0.03	2d8/22 L=482	2,15,2
		661.7	0.36	14.1	14.1	0.0	0.10	0.41	0.38	0.42	2d8/15 L=75	2,2,2
80	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.42	0.37	0.33	2d8/15 L=75	2,15,2
	s=3,m=1	166.1	0.36	14.1	14.1	0.0	0.10	0.06	0.21	0.12	2d8/22 L=152	2,15,2
		332.2	0.36	14.1	14.1	0.0	0.10	0.13	0.23	0.16	2d8/15 L=75	2,15,2
81	ok,ok	0.0	0.36	14.1	14.1	8.0	0.10	0.16	0.41	1.00	2d8/13 L=95	2,17,15
	s=3,m=1	214.3	0.36	14.1	14.1	8.0	0.07	0.20	0.23	0.75	2d8/18 L=209	2,17,15

Table with columns: 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. Multiple sections separated by header changes (e.g., M_T=17Z=-2.78e-02, P=1, P=15).

125	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.02	0.19	0.15	2d8/22 L=104	2,17,2
	s=3,m=1	104.1	0.36	14.1	14.1	0.0	0.10	0.01	0.18	0.06	2d8/22 L=104	18,17,11
133	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.02	0.20	0.13	2d8/22 L=85	14,17,2
	s=3,m=1	104.1	0.36	14.1	14.1	0.0	0.10	0.02	0.18	0.07	2d8/22 L=85	12,17,11
95	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	7.44e-03	0.23	0.11	2d8/22 L=100	18,17,18
	s=3,m=1	114.8	0.36	14.1	14.1	0.0	0.10	0.01	0.25	0.11	2d8/22 L=100	15,17,2
135	ok,ok	0.0	0.36	14.1	14.1	8.0	0.10	0.01	0.26	0.94	2d8/22 L=100	14,15,17
	s=3,m=1	114.8	0.36	14.1	14.1	8.0	0.10	0.01	0.24	0.84	2d8/22 L=100	14,15,17
96	ok,ok	0.0	0.36	14.1	14.1	0.0	0.07	0.03	0.11	0.04	2d8/22 L=70	2,18,17
	s=3,m=1	85.0	0.36	14.1	14.1	0.0	0.10	0.03	0.17	0.16	2d8/22 L=70	15,2,2
139	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	6.84e-03	0.06	0.05	2d8/22 L=85	13,12,18
	s=3,m=1	85.0	0.36	14.1	14.1	0.0	0.10	0.02	0.09	0.12	2d8/22 L=85	15,2,2
137	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.01	0.09	0.08	2d8/22 L=85	15,17,2
	s=3,m=1	85.0	0.36	14.1	14.1	0.0	0.10	0.02	0.10	0.08	2d8/22 L=85	17,17,2
141	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.02	0.17	0.12	2d8/22 L=70	15,17,2
	s=3,m=1	85.0	0.36	14.1	14.1	0.0	0.10	0.02	0.13	0.04	2d8/22 L=70	12,18,11
97	ok,ok	0.0	0.36	14.1	14.1	8.0	0.10	0.02	0.23	0.75	2d8/22 L=120	11,17,15
	s=3,m=1	135.4	0.36	14.1	14.1	8.0	0.10	0.04	0.29	1.00	2d8/22 L=120	15,17,15
148	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.02	0.19	0.11	2d8/22 L=135	12,15,2
	s=3,m=1	135.4	0.36	14.1	14.1	0.0	0.10	0.03	0.22	0.15	2d8/22 L=135	11,15,2
144	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.02	0.14	0.12	2d8/22 L=135	12,15,2
	s=3,m=1	135.4	0.36	14.1	14.1	0.0	0.10	0.03	0.16	0.14	2d8/22 L=135	11,11,2
152	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.02	0.08	0.11	2d8/22 L=120	17,2,2
	s=3,m=1	135.4	0.36	14.1	14.1	0.0	0.10	0.04	0.12	0.16	2d8/22 L=120	2,11,2
98	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.04	0.13	0.16	2d8/22 L=144	17,17,2
	s=3,m=1	159.4	0.36	14.1	14.1	0.0	0.10	0.03	0.12	0.16	2d8/22 L=144	11,18,2
149	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.03	0.20	0.16	2d8/22 L=159	17,17,2
	s=3,m=1	159.4	0.36	14.1	14.1	0.0	0.10	0.03	0.17	0.17	2d8/22 L=159	2,17,2
145	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.03	0.26	0.17	2d8/22 L=159	2,15,2
	s=3,m=1	159.4	0.36	14.1	14.1	0.0	0.10	0.03	0.24	0.16	2d8/22 L=159	2,15,2
153	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.03	0.26	0.17	2d8/22 L=144	2,15,2
	s=3,m=1	159.4	0.36	14.1	14.1	0.0	0.10	0.04	0.26	0.17	2d8/22 L=144	13,15,2
M_T= 23Z=-2.78e-02 P=13 P=32												
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
99	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.08	0.16	0.16	2d8/22 L=141	15,11,2
	s=3,m=1	162.1	0.36	14.1	14.1	0.0	0.10	0.04	0.16	0.19	2d8/22 L=141	16,2,2
157	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.04	0.16	0.15	2d8/22 L=162	15,11,2
	s=3,m=1	162.1	0.36	14.1	14.1	0.0	0.10	0.05	0.18	0.20	2d8/22 L=162	16,2,2
155	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.04	0.19	0.15	2d8/22 L=162	15,2,2
	s=3,m=1	162.1	0.36	14.1	14.1	0.0	0.10	0.05	0.22	0.21	2d8/22 L=162	16,2,2
159	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.04	0.23	0.13	2d8/22 L=141	15,2,15
	s=3,m=1	162.1	0.36	14.1	14.1	0.0	0.10	0.18	0.42	0.33	2d8/22 L=141	2,2,2
100	ok,ok	0.0	0.36	14.1	14.1	8.0	0.10	0.08	0.33	0.67	2d8/15 L=99	16,15,2
	s=3,m=1	120.5	0.36	14.1	14.1	8.0	0.10	0.03	0.30	1.00	2d8/15 L=99	16,16,2
161	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.04	0.28	0.16	2d8/22 L=99	15,2,15
	s=3,m=1	120.5	0.36	14.1	14.1	0.0	0.10	0.02	0.26	0.12	2d8/22 L=99	16,2,2
M_T= 24Z=-2.08e-02 P=13 P=14												
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
101	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.01	0.22	0.12	2d8/22 L=95	11,2,15
	s=3,m=1	110.4	0.36	14.1	14.1	0.0	0.10	0.01	0.24	0.14	2d8/22 L=95	16,2,2
163	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.02	0.24	0.15	2d8/22 L=97	15,2,2
	s=3,m=1	112.0	0.36	14.1	14.1	0.0	0.10	0.02	0.21	0.11	2d8/22 L=97	15,2,12
M_T= 25Z=-2.78e-02 P=5 P=29												
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
102	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.13	0.06	0.02	2d8/15 L=150	17,12,18
	s=3,m=1	180.0	0.36	14.1	14.1	0.0	0.10	0.15	0.18	0.18	2d8/15 L=150	18,2,2
173	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.18	0.25	0.23	2d8/15 L=75	18,2,2
	s=3,m=1	258.6	0.36	14.1	14.1	0.0	0.07	0.13	0.12	0.12	2d8/22 L=337	2,17,17
		517.1	0.36	14.1	14.1	0.0	0.10	0.53	0.43	0.42	2d8/15 L=75	2,2,2
103	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.53	0.45	0.43	2d8/15 L=75	2,2,2
	s=3,m=1	251.1	0.36	14.1	14.1	0.0	0.10	0.18	0.13	0.12	2d8/22 L=322	18,2,18
		502.1	0.36	14.1	14.1	0.0	0.10	0.25	0.27	0.23	2d8/15 L=75	17,2,2
M_T= 26Z=-2.78e-02 P=6 P=30												
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
104	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.11	0.07	0.02	2d8/15 L=150	15,17,16
	s=3,m=1	180.0	0.36	14.1	14.1	0.0	0.10	0.15	0.19	0.19	2d8/15 L=150	2,17,2
175	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.16	0.25	0.23	2d8/15 L=75	16,2,2
	s=3,m=1	258.6	0.36	14.1	14.1	0.0	0.07	0.13	0.11	0.11	2d8/22 L=337	2,2,15
		517.1	0.36	14.1	14.1	0.0	0.10	0.54	0.44	0.43	2d8/15 L=75	2,2,2
105	ok,ok	0.0	0.36	14.1	14.1	0.0	0.10	0.52	0.46	0.44	2d8/15 L=75	2,2,2
	s=3,m=1	251.1	0.36	14.1	14.1	0.0	0.07	0.16	0.14	0.12	2d8/22 L=322	18,2,2
		502.1	0.36	14.1	14.1	0.0	0.10	0.26	0.27	0.23	2d8/15 L=75	17,2,2
M_T= 1 Z=363.0 P=25 P=32												
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

25	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.05	0.07	0.02	2d8/15 L=85	18,18,18
	s=1,m=3	104.1	0.31	2.8	2.8	0.0	0.17	0.04	0.13	0.10	2d8/15 L=85	17,2,2
126	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.05	0.10	0.06	2d8/15 L=104	2,17,2
	s=1,m=3	104.1	0.31	2.8	2.8	0.0	0.17	0.04	0.11	0.04	2d8/15 L=104	2,17,2
122	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.05	0.07	0.06	2d8/15 L=104	2,15,2
	s=1,m=3	104.1	0.31	2.8	2.8	0.0	0.17	0.04	0.08	0.05	2d8/15 L=104	2,15,2
130	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.05	0.06	0.05	2d8/15 L=85	2,2,2
	s=1,m=3	104.1	0.31	2.8	2.8	0.0	0.17	0.04	0.07	0.07	2d8/15 L=85	2,2,2
26	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.05	0.07	0.06	2d8/15 L=85	2,17,2
	s=1,m=3	104.1	0.31	2.8	2.8	0.0	0.17	0.05	0.09	0.08	2d8/15 L=85	2,17,2
127	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.05	0.12	0.06	2d8/15 L=104	2,17,2
	s=1,m=3	104.1	0.31	2.8	2.8	0.0	0.17	0.06	0.15	0.09	2d8/15 L=104	2,17,2
123	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.05	0.15	0.06	2d8/15 L=104	2,17,2
	s=1,m=3	104.1	0.31	2.8	2.8	0.0	0.17	0.04	0.20	0.10	2d8/15 L=104	2,17,2
131	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.04	0.13	0.05	2d8/15 L=85	18,17,2
	s=1,m=3	104.1	0.31	2.8	2.8	0.0	0.17	0.10	0.20	0.12	2d8/15 L=85	17,17,2
1	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.18	0.18	0.13	2d8/15 L=100	2,2,2
	s=1,m=3	114.8	0.31	2.8	2.8	0.0	0.17	0.09	0.14	0.08	2d8/15 L=100	2,2,2
134	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.07	0.19	0.08	2d8/15 L=100	2,2,2
	s=1,m=3	114.8	0.31	2.8	2.8	0.0	0.17	0.02	0.23	0.13	2d8/15 L=100	12,2,2
40	ok,ok	0.0	0.31	2.8	2.8	1.6	0.17	0.05	0.31	0.62	2d8/15 L=70	2,17,18
	s=1,m=3	85.0	0.31	2.8	2.8	1.6	0.17	0.02	0.32	0.66	2d8/15 L=70	18,17,18
138	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.04	0.18	0.03	2d8/15 L=85	2,18,2
	s=1,m=3	85.0	0.31	2.8	2.8	0.0	0.17	0.04	0.17	0.02	2d8/15 L=85	2,18,2
136	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.04	0.04	0.03	2d8/15 L=85	2,15,2
	s=1,m=3	85.0	0.31	2.8	2.8	0.0	0.17	0.05	0.03	9.85e-03	2d8/15 L=85	2,15,2
140	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.03	0.11	0.01	2d8/15 L=70	12,18,12
	s=1,m=3	85.0	0.31	2.8	2.8	0.0	0.17	0.06	0.10	0.01	2d8/15 L=70	12,18,11
39	ok,ok	0.0	0.31	2.8	2.8	1.6	0.17	0.06	0.31	0.58	2d8/12 L=120	12,18,18
	s=1,m=3	135.4	0.31	2.8	2.8	1.3	0.17	0.10	0.38	0.94	2d8/12 L=120	2,18,2
147	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.11	0.23	0.11	2d8/15 L=135	2,16,2
	s=1,m=3	135.4	0.31	2.8	2.8	0.0	0.17	0.12	0.29	0.19	2d8/15 L=135	2,2,2
143	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.11	0.15	0.11	2d8/15 L=135	2,15,2
	s=1,m=3	135.4	0.31	2.8	2.8	0.0	0.17	0.12	0.20	0.19	2d8/15 L=135	2,2,2
151	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.11	0.11	0.11	2d8/15 L=120	2,2,2
	s=1,m=3	135.4	0.31	2.8	2.8	0.0	0.17	0.13	0.17	0.19	2d8/15 L=120	2,2,2
38	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.15	0.11	0.13	2d8/15 L=144	2,2,2
	s=1,m=3	159.4	0.31	2.8	2.8	0.0	0.17	0.16	0.18	0.22	2d8/15 L=144	2,2,2
146	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.15	0.15	0.13	2d8/15 L=159	2,17,2
	s=1,m=3	159.4	0.31	2.8	2.8	0.0	0.17	0.16	0.20	0.22	2d8/15 L=159	2,17,2
142	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.15	0.24	0.13	2d8/15 L=159	2,15,2
	s=1,m=3	159.4	0.31	2.8	2.8	0.0	0.17	0.16	0.29	0.22	2d8/15 L=159	2,15,2
150	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.14	0.31	0.13	2d8/15 L=144	2,15,2
	s=1,m=3	159.4	0.31	2.8	2.8	0.0	0.17	0.16	0.33	0.23	2d8/15 L=144	17,15,2
M_T= 2 Z=363.0 P=1 P=15												
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	0.31	7.0	7.0	0.0	0.09	0.59	0.12	0.09	2d8/12 L=75	17,17,17
	s=2,m=1	348.6	0.31	7.0	7.0	0.0	0.09	0.18	0.08	0.08	2d8/20 L=517	2,17,17
		697.1	0.31	7.0	7.0	0.0	0.09	0.47	0.08	0.06	2d8/12 L=75	17,18,18
M_T= 3 Z=363.0 P=25 P=26												
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	0.31	2.8	2.8	0.0	0.17	0.02	0.08	0.03	2d8/15 L=53	2,17,2
	s=1,m=3	72.0	0.31	2.8	2.8	0.0	0.17	0.08	0.10	0.04	2d8/15 L=53	2,17,2
120	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.07	0.08	0.04	2d8/15 L=53	2,17,2
	s=1,m=3	72.0	0.31	2.8	2.8	0.0	0.17	0.07	0.10	0.04	2d8/15 L=53	2,17,11
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
24	ok,ok	0.0	0.31	5.6	5.6	0.0	0.17	0.34	0.13	0.02	4d8/5 L=50	15,18,15
	s=4,m=3	90.0	0.31	5.6	5.6	0.0	0.17	0.27	0.19	0.11	4d8/15 L=50	15,18,2
		180.0	0.39	5.6	7.0	0.0	0.18	0.89	0.25	0.08	4d8/5 L=50	2,2,2
174	ok,ok	0.0	0.52	5.6	9.4	0.0	0.20	0.91	0.31	0.12	4d8/5 L=50	2,2,2
	s=4,m=3	131.1	0.31	5.6	5.6	0.0	0.17	0.39	0.18	0.19	4d8/15 L=147	2,2,2
		262.3	0.38	6.8	5.6	0.0	0.18	0.89	0.07	0.01	4d8/5 L=50	2,11,17
16	ok,ok	0.0	0.36	6.5	5.6	4.1	0.17	0.83	0.30	0.30	4d8/5 L=50	2,2,2
	s=4,m=3	127.4	0.31	5.6	5.6	4.1	0.17	0.26	0.39	0.88	4d8/10 L=140	2,2,2
		254.8	0.62	5.6	11.2	4.1	0.22	0.90	0.48	0.58	4d8/5 L=50	2,2,2
15	ok,ok	0.0	0.65	5.9	11.7	4.3	0.22	0.91	0.50	0.61	4d8/5 L=50	2,2,2
	s=4,m=3	125.5	0.31	5.6	5.6	4.3	0.17	0.26	0.41	0.75	4d8/8 L=136	2,2,2
		251.1	0.40	7.2	5.6	4.3	0.18	0.85	0.32	0.33	4d8/5 L=50	2,2,2
4	ok,ok	0.0	0.39	7.0	5.6	0.0	0.18	0.82	0.13	0.01	4d8/5 L=50	2,2,15
	s=4,m=3	125.5	0.31	5.6	5.6	0.0	0.17	0.43	0.25	0.16	4d8/15 L=136	17,2,2
		251.1	0.56	5.6	10.1	0.0	0.21	0.89	0.38	0.11	4d8/5 L=50	2,2,2
M_T= 5 Z=363.0 P=5 P=29												
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
23	ok,ok	0.0	0.31	5.6	5.6	0.0	0.17	0.38	0.15	0.02	4d8/5 L=50	17,12,17

	s=4,m=3	90.0	0.31	5.6	5.6	0.0	0.17	0.27	0.18	0.12	4d8/15 L=50	2,2,18
		180.0	0.38	5.6	6.9	0.0	0.18	0.88	0.27	0.08	4d8/5 L=50	2,2,2
172	ok,ok	0.0	0.53	5.6	9.5	0.0	0.20	0.91	0.31	0.12	4d8/5 L=50	2,2,2
	s=4,m=3	131.1	0.31	5.6	5.6	0.0	0.17	0.37	0.18	0.18	4d8/15 L=147	2,2,2
		262.3	0.36	6.5	5.6	0.0	0.17	0.89	0.08	0.01	4d8/5 L=50	2,17,17
5	ok,ok	0.0	0.35	6.2	5.6	3.6	0.17	0.84	0.26	0.26	4d8/5 L=50	2,2,2
	s=4,m=3	127.4	0.31	5.6	5.6	3.6	0.17	0.28	0.35	0.80	4d8/10 L=140	2,2,2
		254.8	0.58	5.6	10.5	3.6	0.21	0.89	0.44	0.54	4d8/5 L=50	2,2,2
14	ok,ok	0.0	0.64	5.7	11.5	3.8	0.22	0.90	0.46	0.57	4d8/5 L=50	2,2,2
	s=4,m=3	125.5	0.31	5.6	5.6	3.8	0.17	0.24	0.38	0.86	4d8/10 L=136	2,2,2
		251.1	0.38	6.9	5.6	3.8	0.18	0.85	0.29	0.29	4d8/5 L=50	2,2,2
6	ok,ok	0.0	0.37	6.6	5.6	0.0	0.18	0.80	0.13	0.01	4d8/5 L=50	2,2,17
	s=4,m=3	125.5	0.31	5.6	5.6	0.0	0.17	0.45	0.23	0.15	4d8/15 L=136	17,2,2
		251.1	0.55	5.6	10.0	0.0	0.21	0.88	0.36	0.11	4d8/5 L=50	2,2,2
							M_T=6	Z=363.0	P=20	P=23		
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	0.53	12.0	11.6	5.6	0.10	0.87	0.81	0.78	2d8/5 L=125	2,2,15
	s=2,m=1	270.7	0.59	13.2	7.0	5.6	0.13	0.86	0.43	0.64	2d8/8 L=261	2,15,15
		541.5	1.03	12.0	23.1	5.6	0.19	0.90	1.00	0.91	2d8/5 L=125	2,2,15
8	ok,ok	0.0	1.06	13.5	24.0	0.0	0.18	0.89	1.00	0.85	2d8/8 L=110	2,2,2
	s=2,m=1	330.9	0.91	20.5	7.0	0.0	0.23	0.91	0.13	0.05	2d8/20 L=412	2,15,2
		661.7	0.84	13.5	18.8	0.0	0.14	0.90	1.00	0.90	2d8/10 L=110	2,2,2
7	ok,ok	0.0	0.78	8.8	17.5	6.1	0.16	0.91	0.69	0.72	2d8/5 L=110	2,16,16
	s=2,m=1	193.0	0.36	7.4	8.1	6.1	0.09	0.33	0.45	0.80	2d8/10 L=136	2,16,16
		385.9	0.50	7.4	11.3	6.1	0.12	0.87	0.58	0.91	2d8/8 L=110	2,16,16
							M_T=7	Z=363.0	P=15	P=19		
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
106	ok,ok	0.0	0.31	7.0	7.0	3.0	0.09	0.79	0.54	0.85	2d8/10 L=75	2,2,17
	s=2,m=1	212.2	0.31	7.0	7.0	3.0	0.09	0.49	0.21	0.57	2d8/15 L=244	2,17,17
		424.4	0.31	7.0	7.0	3.0	0.09	0.43	0.49	0.84	2d8/10 L=75	2,2,17
22	ok,ok	0.0	0.31	7.0	7.0	0.0	0.09	0.47	0.42	0.26	2d8/12 L=75	2,2,2
	s=2,m=1	169.9	0.31	7.0	7.0	0.0	0.09	0.12	0.23	0.14	2d8/20 L=160	17,2,2
		339.8	0.43	7.0	9.7	0.0	0.11	0.92	0.62	0.45	2d8/12 L=75	2,2,2
11	ok,ok	0.0	0.46	9.0	10.3	3.4	0.10	0.92	0.74	0.91	2d8/5 L=181	2,2,2
	s=2,m=1	195.9	0.40	9.0	7.0	3.4	0.10	0.90	0.42	0.48	2d8/5 L=181	2,2,2
82	ok,ok	0.0	0.56	12.6	7.0	2.2	0.13	0.27	0.45	0.87	2d8/8 L=135	17,2,2
	s=2,m=1	234.3	0.64	14.5	7.0	2.2	0.15	0.74	0.29	0.62	2d8/10 L=184	2,18,2
		468.5	0.93	10.5	20.9	2.2	0.18	0.90	0.75	0.96	2d8/5 L=135	2,2,2
10	ok,ok	0.0	0.92	11.1	20.6	3.1	0.17	0.90	1.00	0.72	2d8/5 L=90	2,2,17
	s=2,m=1	269.4	0.71	16.0	7.0	3.1	0.16	0.87	0.24	0.44	2d8/10 L=329	2,17,17
		538.8	0.70	11.1	15.7	3.1	0.13	0.87	0.99	0.67	2d8/5 L=90	2,2,17
							M_T=8	Z=363.0	N=5	N=13		
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
12	ok,ok	0.0	0.31	2.8	2.8	0.0	0.18	0.18	0.04	0.01	2d8/5 L=50	2,17,1
	s=1,m=1	170.0	0.31	2.8	2.8	0.0	0.18	0.08	0.03	5.62e-03	2d8/15 L=240	2,17,17
		340.0	0.31	2.8	2.8	0.0	0.18	0.23	0.05	0.01	2d8/5 L=50	2,17,2
							M_T=9	Z=363.0	N=9	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
13	ok,ok	0.0	0.31	2.8	2.8	0.0	0.18	0.16	0.04	9.86e-03	2d8/5 L=50	2,2,1
	s=1,m=1	170.0	0.31	2.8	2.8	0.0	0.18	0.09	0.03	9.86e-03	2d8/15 L=240	2,17,12
		340.0	0.31	2.8	2.8	0.0	0.18	0.25	0.05	0.01	2d8/5 L=50	2,17,2
							M_T=11	Z=363.0	P=15	P=26		
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
115	ok,ok	0.0	0.31	2.8	2.8	1.4	0.17	0.05	0.28	0.58	2d8/15 L=121	2,17,17
	s=1,m=3	121.2	0.31	2.8	2.8	1.4	0.17	0.04	0.32	0.76	2d8/15 L=121	11,17,17
111	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.03	0.17	0.04	2d8/15 L=121	2,17,2
	s=1,m=3	121.2	0.31	2.8	2.8	0.0	0.17	0.04	0.22	0.09	2d8/15 L=121	2,17,2
119	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.04	0.08	0.05	2d8/15 L=102	2,17,2
	s=1,m=3	121.2	0.31	2.8	2.8	0.0	0.17	0.05	0.13	0.10	2d8/15 L=102	2,17,2
18	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.06	0.06	0.06	2d8/15 L=102	2,2,2
	s=1,m=3	121.2	0.31	2.8	2.8	0.0	0.17	0.06	0.10	0.10	2d8/15 L=102	2,2,2
112	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.06	0.07	0.06	2d8/15 L=121	2,2,2
	s=1,m=3	121.2	0.31	2.8	2.8	0.0	0.17	0.06	0.11	0.11	2d8/15 L=121	2,2,2
108	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.06	0.10	0.07	2d8/15 L=121	2,17,2
	s=1,m=3	121.2	0.31	2.8	2.8	0.0	0.17	0.06	0.15	0.12	2d8/15 L=121	2,17,2
116	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.06	0.11	0.07	2d8/15 L=102	2,17,2
	s=1,m=3	121.2	0.31	2.8	2.8	0.0	0.17	0.05	0.16	0.13	2d8/15 L=102	18,17,2
							M_T=12	Z=363.0	P=1	P=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
19	ok,ok	0.0	0.31	7.0	7.0	5.0	0.09	0.29	0.43	0.89	2d8/10 L=75	2,17,17
	s=2,m=1	216.0	0.31	7.0	7.0	5.0	0.09	0.53	0.34	0.79	2d8/12 L=252	2,17,17
		432.0	0.31	7.0	7.0	5.0	0.09	0.39	0.46	0.96	2d8/10 L=75	2,17,17
20	ok,ok	0.0	0.31	7.0	7.0	2.4	0.09	0.39	0.30	0.58	2d8/12 L=75	2,18,17
	s=2,m=1	166.1	0.31	7.0	7.0	2.4	0.09	0.15	0.24	0.71	2d8/20 L=152	2,18,17

		332.1	0.33	7.0	7.3	2.4	0.09	0.90	0.38	0.76	2d8/12 L=75	2,18,17
27	ok,ok	0.0	0.33	7.0	7.5	0.0	0.09	0.90	0.43	0.40	2d8/12 L=75	2,2,2
	s=2,m=1	332.2	0.33	7.3	7.0	0.0	0.09	0.90	0.10	0.02	2d8/20 L=484	2,18,12
		664.5	0.42	7.0	9.4	0.0	0.10	0.91	0.46	0.42	2d8/12 L=75	2,2,2
28	ok,ok	0.0	0.40	7.0	9.1	3.7	0.10	0.91	0.41	0.90	2d8/10 L=120	2,17,17
	s=2,m=1	269.4	0.31	7.0	7.0	3.7	0.09	0.47	0.26	0.73	2d8/15 L=269	2,17,17
		538.8	0.31	7.0	7.0	3.7	0.09	0.58	0.38	0.81	2d8/10 L=120	2,17,17
29	ok,ok	0.0	0.31	5.6	5.6	0.0	0.18	0.20	0.04	0.01	4d8/5 L=50	2,18,1
	s=4,m=1	170.0	0.31	5.6	5.6	0.0	0.18	0.11	0.03	0.01	4d8/15 L=210	2,17,17
		340.0	0.31	5.6	5.6	0.0	0.18	0.28	0.06	0.01	4d8/5 L=50	17,17,2
30	ok,ok	0.0	0.31	7.0	7.0	3.4	0.09	0.47	0.36	0.97	2d8/12 L=125	2,16,16
	s=2,m=1	270.7	0.31	7.0	7.0	3.4	0.09	0.48	0.25	0.71	2d8/15 L=261	2,15,15
		541.5	0.39	7.0	8.7	3.4	0.10	0.91	0.41	0.89	2d8/10 L=125	2,2,15
31	ok,ok	0.0	0.40	7.0	9.0	0.0	0.10	0.90	0.46	0.42	2d8/12 L=75	2,2,2
	s=2,m=1	330.9	0.31	7.0	7.0	0.0	0.09	0.88	0.08	0.02	2d8/20 L=482	2,16,2
		661.7	0.32	7.0	7.3	0.0	0.09	0.90	0.44	0.40	2d8/12 L=75	2,2,2
32	ok,ok	0.0	0.31	7.0	7.0	2.4	0.09	0.89	0.34	0.76	2d8/12 L=75	2,17,16
	s=2,m=1	166.1	0.31	7.0	7.0	2.4	0.09	0.14	0.21	0.71	2d8/20 L=152	2,17,16
		332.2	0.31	7.0	7.0	2.6	0.09	0.37	0.29	0.63	2d8/12 L=75	2,17,15
33	ok,ok	0.0	0.31	7.0	7.0	4.1	0.09	0.35	0.39	0.81	2d8/10 L=75	2,15,15
	s=2,m=1	214.3	0.31	7.0	7.0	4.1	0.09	0.35	0.28	0.77	2d8/15 L=249	2,15,15
		428.5	0.31	7.0	7.0	4.1	0.09	0.29	0.36	0.90	2d8/12 L=75	2,15,15
M_T= 13 Z=363.0 P=10 P=14												
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
34	ok,ok	0.0	0.31	2.8	2.8	1.9	0.17	0.32	0.44	0.76	2d8/15 L=113	15,16,12
	s=1,m=3	127.6	0.31	2.8	2.8	1.9	0.17	0.11	0.46	0.80	2d8/15 L=113	15,16,12
166	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.06	0.15	0.04	2d8/15 L=128	15,12,15
	s=1,m=3	127.6	0.31	2.8	2.8	0.0	0.17	0.06	0.14	0.02	2d8/15 L=128	15,12,16
164	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.03	0.04	0.02	2d8/15 L=128	12,2,12
	s=1,m=3	127.6	0.31	2.8	2.8	0.0	0.17	0.04	0.03	0.02	2d8/15 L=128	17,18,11
168	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.03	0.08	0.02	2d8/15 L=113	11,11,11
	s=1,m=3	127.6	0.31	2.8	2.8	0.0	0.17	0.08	0.09	0.04	2d8/15 L=113	11,11,11
M_T= 14 Z=363.0 P=13 P=14												
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
35	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.15	0.17	0.19	2d8/15 L=96	2,2,2
	s=1,m=3	111.2	0.31	2.8	2.8	0.0	0.17	0.12	0.23	0.28	2d8/15 L=96	2,2,2
162	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.17	0.21	0.20	2d8/15 L=96	2,2,2
	s=1,m=3	111.2	0.31	2.8	2.8	0.0	0.17	0.22	0.26	0.27	2d8/15 L=96	2,2,2
M_T= 15 Z=363.0 P=13 P=32												
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
37	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.17	0.09	0.10	2d8/15 L=141	16,18,2
	s=1,m=3	162.1	0.31	2.8	2.8	0.0	0.17	0.11	0.16	0.13	2d8/15 L=141	16,17,15
156	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.09	0.09	0.07	2d8/15 L=162	2,12,2
	s=1,m=3	162.1	0.31	2.8	2.8	0.0	0.17	0.08	0.10	0.09	2d8/15 L=162	2,14,2
154	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.04	0.09	0.04	2d8/15 L=162	2,12,2
	s=1,m=3	162.1	0.31	2.8	2.8	0.0	0.17	0.02	0.10	0.07	2d8/15 L=162	16,12,2
158	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.18	0.15	0.09	2d8/15 L=141	2,2,2
	s=1,m=3	162.1	0.31	2.8	2.8	0.0	0.17	0.60	0.20	0.14	2d8/15 L=141	2,2,2
36	ok,ok	0.0	0.31	2.8	2.8	2.4	0.17	0.42	0.64	0.91	2d8/8 L=99	2,2,2
	s=1,m=3	120.5	0.31	2.8	2.8	2.3	0.17	0.16	0.61	0.68	2d8/8 L=99	2,15,15
160	ok,ok	0.0	0.31	2.8	2.8	0.0	0.17	0.16	0.26	0.17	2d8/15 L=99	2,2,2
	s=1,m=3	120.5	0.31	2.8	2.8	0.0	0.17	0.17	0.28	0.19	2d8/15 L=99	15,2,2
Trave			%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc		
			1.90	30.16	23.96	12.06	0.40	0.95	1.17	1.00		

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:

pilastrati	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).

Pilas.	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb
41	0.0	0.12	0.08	0.15	6,6,10	181.5	0.11	0.07	0.13	6,6,10
	363.0	0.13	0.08	0.15	6,6,10					
42	0.0	0.13	0.08	0.15	6,6,10	181.5	0.10	0.07	0.12	6,6,10
	363.0	0.10	0.07	0.11	6,6,10					
43	0.0	0.15	0.10	0.17	6,6,10	181.5	0.16	0.11	0.18	6,6,10
	363.0	0.17	0.11	0.19	6,6,10					
44	0.0	0.22	0.14	0.25	6,6,10	181.5	0.17	0.12	0.20	6,6,10
	363.0	0.24	0.15	0.27	6,6,10					
45	0.0	0.18	0.10	0.20	6,6,10	181.5	0.09	0.06	0.10	6,6,10
	363.0	0.20	0.11	0.22	6,6,10					
46	0.0	0.13	0.08	0.15	6,6,10	181.5	0.09	0.06	0.11	6,6,10
	363.0	0.15	0.09	0.17	6,6,10					
47	0.0	0.17	0.12	0.20	6,6,10	181.5	0.17	0.12	0.20	6,6,10
	363.0	0.19	0.13	0.22	6,6,10					
48	0.0	0.16	0.11	0.18	6,6,10	181.5	0.15	0.11	0.18	6,6,10
	363.0	0.20	0.13	0.23	6,6,10					
49	0.0	0.14	0.09	0.16	6,6,10	181.5	0.09	0.06	0.10	6,6,10
	363.0	0.11	0.07	0.13	6,6,10					
50	0.0	0.04	0.02	0.05	5,5,9	181.5	0.07	0.04	0.08	6,6,10
	363.0	0.13	0.08	0.14	6,6,10					
51	0.0	0.51	0.35	0.57	6,6,10	181.5	0.66	0.45	0.75	6,6,10
	363.0	0.68	0.42	0.77	6,6,10					
52	0.0	0.28	0.16	0.32	6,6,10	181.5	0.17	0.11	0.19	6,6,10
	363.0	0.23	0.14	0.26	6,6,10					
53	0.0	0.27	0.19	0.31	6,6,10	181.5	0.31	0.20	0.36	6,6,10
	363.0	0.43	0.26	0.49	6,6,10					
54	0.0	0.40	0.27	0.46	6,6,10	181.5	0.36	0.25	0.41	6,6,10
	363.0	0.44	0.29	0.51	6,6,10					
55	0.0	0.03	0.02	0.04	6,6,10	181.5	0.03	0.02	0.04	6,6,10
	363.0	0.03	0.02	0.04	6,6,10					
56	0.0	0.43	0.26	0.50	6,6,10	181.5	0.28	0.19	0.33	6,6,10
	363.0	0.55	0.32	0.63	6,6,10					
57	0.0	0.50	0.33	0.57	6,6,10	181.5	0.41	0.29	0.47	6,6,10
	363.0	0.55	0.36	0.63	6,6,10					
58	0.0	0.48	0.30	0.54	6,6,10	181.5	0.37	0.25	0.42	6,6,10
	363.0	0.60	0.36	0.68	6,6,10					
59	0.0	0.58	0.55	0.62	6,6,10	181.5	0.21	0.21	0.22	6,6,10
	363.0	0.22	0.23	0.24	6,6,10					
60	0.0	0.09	0.06	0.10	6,6,10	181.5	0.08	0.05	0.09	6,6,10
	363.0	0.07	0.05	0.08	6,6,10					
61	0.0	0.04	0.02	0.05	6,6,10	181.5	0.05	0.02	0.05	6,6,10
	363.0	0.05	0.03	0.06	6,6,10					
62	0.0	0.03	0.01	0.03	6,6,10	181.5	0.02	0.01	0.03	6,6,10
	363.0	0.01	7.63e-03	0.02	6,6,10					
63	0.0	0.11	0.08	0.13	6,6,10	181.5	0.13	0.11	0.15	6,6,10
	363.0	0.14	0.13	0.16	6,6,10					
64	0.0	0.01	7.09e-03	0.01	6,6,10	181.5	0.02	0.02	0.02	6,6,10
	363.0	0.04	0.05	0.05	6,6,10					
65	0.0	0.02	0.01	0.02	6,6,10	181.5	0.01	7.59e-03	0.02	6,6,10
	363.0	8.27e-03	4.95e-03	9.73e-03	6,6,10					
66	0.0	0.02	0.01	0.03	6,6,10	181.5	0.02	0.01	0.02	6,6,10
	363.0	0.01	8.08e-03	0.02	6,6,10					
67	0.0	0.18	0.15	0.24	6,5,10	181.5	0.25	0.25	0.30	6,6,10
	363.0	0.31	0.34	0.36	6,6,10					
68	0.0	0.16	0.13	0.21	6,5,10	181.5	0.24	0.22	0.29	6,6,10
	363.0	0.31	0.33	0.36	6,6,10					
69	0.0	0.04	0.04	0.06	5,5,9	181.5	0.03	0.04	0.04	6,5,10
	363.0	0.03	0.04	0.03	6,6,10					
70	0.0	0.44	0.27	0.51	6,6,10	181.5	0.29	0.20	0.34	6,6,10
	363.0	0.53	0.31	0.61	6,6,10					
170	0.0	0.23	0.12	0.25	6,6,10	181.5	0.11	0.07	0.13	6,6,10
	363.0	0.37	0.18	0.41	6,6,10					
171	0.0	0.20	0.11	0.22	6,6,10	181.5	0.11	0.07	0.13	6,6,10
	363.0	0.34	0.17	0.38	6,6,10					

Pilas.	rRfck	rRfyk	rPfck	rRfck	rRfyk	rPfck
	0.68	0.55	0.77			

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	0.07	0.22	0.07	6,6,10	0.0	0.0	0.0	0,0,0	-2.10e-03	-1.81e-03	-1.72e-03	6,8,10
	114.8	0.03	0.16	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
2	0.0	0.06	0.36	0.07	6,6,10	0.0	0.0	0.0	0,0,0	-0.09	-0.09	-0.09	6,8,10
	348.6	0.01	0.30	0.02	5,6,9	0.0	0.0	0.0	0,0,0				
3	697.1	0.0	0.21	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
	0.0	5.59e-03	0.04	7.49e-03	6,6,10	0.0	0.0	0.0	0,0,0	-0.04	-0.04	-0.03	6,8,10
4	72.0	0.03	0.09	0.04	6,6,10	0.0	0.0	0.0	0,0,0				
	0.0	0.32	0.75	0.37	6,6,10	0.29	0.31	0.30	6,8,10	1.08	1.08	1.06	6,8,10
5	125.5	0.12	0.50	0.14	6,6,10	0.0	0.0	0.0	0,0,0				
	251.1	0.44	0.75	0.51	6,6,10	0.28	0.28	0.27	6,8,10				
6	0.0	0.37	0.74	0.44	6,6,10	0.30	0.31	0.30	6,8,10	0.64	0.68	0.54	6,8,10
	127.4	0.11	0.29	0.13	6,6,10	0.0	0.0	0.0	0,0,0				
7	254.8	0.52	0.75	0.62	6,6,10	0.27	0.27	0.26	6,8,10				
	0.0	0.31	0.74	0.35	6,6,10	0.30	0.31	0.30	6,8,10	1.09	0.98	0.92	6,8,10
8	125.5	0.11	0.48	0.14	6,6,10	0.0	0.0	0.0	0,0,0				
	251.1	0.43	0.75	0.50	6,6,10	0.28	0.28	0.27	6,8,10				
9	0.0	0.47	0.76	0.55	6,6,10	0.26	0.24	0.23	6,8,10	0.94	0.92	0.81	6,8,10
	193.0	0.0	0.52	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
10	385.9	0.26	0.75	0.29	6,6,10	0.28	0.26	0.25	6,8,10				
	0.0	0.59	0.74	0.68	6,6,10	0.23	0.22	0.21	6,8,10	-1.21	-1.10	-1.05	6,8,10
11	330.9	0.58	0.75	0.66	6,6,10	0.25	0.23	0.22	6,8,10				
	661.7	0.48	0.76	0.55	6,6,10	0.25	0.23	0.22	6,8,10				
12	0.0	0.26	0.76	0.30	6,6,10	0.28	0.26	0.25	6,8,10	-1.43	-1.34	-1.27	6,8,10
	270.7	0.34	0.74	0.39	6,6,10	0.27	0.25	0.24	6,8,10				
13	541.5	0.58	0.75	0.67	6,6,10	0.24	0.22	0.21	6,8,10				
	0.0	0.43	0.76	0.49	6,6,10	0.25	0.23	0.22	6,8,10	1.06	0.99	0.95	6,8,10
14	269.4	0.30	0.76	0.34	6,6,10	0.26	0.24	0.23	6,8,10				
	538.8	0.27	0.76	0.30	6,6,10	0.26	0.25	0.24	6,8,10				
15	0.0	0.48	0.77	0.56	6,6,10	0.30	0.28	0.27	6,8,10	-0.64	-0.63	-0.60	6,8,10
	195.9	0.46	0.76	0.53	6,6,10	0.29	0.29	0.27	6,8,10				
16	0.0	0.10	0.05	0.12	6,6,10	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03	6,8,10
	170.0	0.06	0.03	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
17	340.0	0.14	0.06	0.17	6,6,10	0.0	0.0	0.0	0,0,0				
	0.0	0.10	0.05	0.12	6,6,10	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03	6,8,10
18	170.0	0.07	0.04	0.08	6,6,10	0.0	0.0	0.0	0,0,0				
	340.0	0.15	0.07	0.19	6,6,10	0.0	0.0	0.0	0,0,0				
19	0.0	0.55	0.74	0.66	6,6,10	0.27	0.27	0.26	6,8,10	-0.52	-0.59	-0.57	6,8,10
	125.5	0.10	0.25	0.11	6,6,10	0.0	0.0	0.0	0,0,0				
20	251.1	0.40	0.75	0.48	6,6,10	0.29	0.31	0.30	6,8,10				
	0.0	0.54	0.75	0.64	6,6,10	0.27	0.27	0.26	6,8,10	-0.63	-0.64	-0.62	6,8,10
21	125.5	0.09	0.33	0.10	6,6,10	0.0	0.0	0.0	0,0,0				
	251.1	0.38	0.75	0.46	6,6,10	0.30	0.31	0.30	6,8,10				
22	0.0	0.36	0.75	0.43	6,6,10	0.30	0.31	0.30	6,8,10	0.71	0.74	0.58	6,8,10
	127.4	0.09	0.32	0.11	6,6,10	0.0	0.0	0.0	0,0,0				
23	254.8	0.52	0.75	0.62	6,6,10	0.27	0.27	0.26	6,8,10				
	0.0	0.14	0.31	0.16	6,6,10	0.0	0.0	0.0	0,0,0	0.33	0.30	0.26	6,8,10
24	169.9	0.07	0.17	0.08	6,6,10	0.0	0.0	0.0	0,0,0				
	339.8	0.40	0.75	0.46	6,6,10	0.33	0.32	0.30	6,8,10				
25	0.0	0.02	0.05	0.03	6,6,10	0.0	0.0	0.0	0,0,0	-4.97e-03	-4.97e-03	-4.97e-03	5,7,9
	121.2	0.02	0.05	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
26	0.0	0.07	0.35	0.08	6,6,10	0.0	0.0	0.0	0,0,0	-0.28	-0.12	-0.12	6,8,10
	216.0	0.17	0.52	0.19	6,6,10	0.18	0.0	0.0	6,0,0				
27	432.0	0.11	0.42	0.13	6,6,10	0.0	0.0	0.0	0,0,0				
	0.0	0.11	0.42	0.13	6,6,10	0.0	0.0	0.0	0,0,0	-0.10	-0.08	-0.08	6,8,10
28	166.1	0.0	0.25	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
	332.1	0.32	0.77	0.37	6,6,10	0.31	0.31	0.30	6,8,10				
29	0.0	0.07	0.23	0.07	6,6,10	0.0	0.0	0.0	0,0,0	0.44	0.38	0.36	6,8,10
	212.2	0.10	0.31	0.11	6,6,10	0.0	0.0	0.0	0,0,0				
30	424.4	0.17	0.35	0.19	6,6,10	0.0	0.0	0.0	0,0,0				
	0.0	0.20	0.41	0.24	6,6,10	0.0	0.0	0.0	0,0,0	-0.28	-0.26	-0.24	6,8,10
31	169.9	0.04	0.09	0.05	6,6,10	0.0	0.0	0.0	0,0,0				
	339.8	0.48	0.77	0.56	6,6,10	0.30	0.29	0.27	6,8,10				
32	0.0	8.90e-03	5.14e-03	6.88e-03	6,6,10	0.0	0.0	0.0	0,0,0	-0.06	-0.05	-0.05	6,8,10
	90.0	0.13	0.21	0.14	6,6,10	0.0	0.0	0.0	0,0,0				
33	180.0	0.46	0.75	0.54	6,6,10	0.30	0.31	0.30	6,8,10				
	0.0	8.06e-03	4.26e-03	0.01	5,5,9	0.0	0.0	0.0	0,0,0	-0.06	-0.05	-0.05	6,8,10
34	90.0	0.13	0.21	0.15	6,6,10	0.0	0.0	0.0	0,0,0				
	180.0	0.46	0.76	0.54	6,6,10	0.30	0.31	0.30	6,8,10				
35	0.0	0.02	0.01	0.03	6,6,10	0.0	0.0	0.0	0,0,0	0.01	0.01	9.92e-03	6,8,10
	104.1	0.01	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
36	0.0	0.02	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0	9.69e-03	8.51e-03	8.11e-03	6,8,10
	104.1	0.02	9.52e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0				

27	0.0	0.33	0.77	0.38	6,6,10	0.31	0.31	0.30	6,8,10	-0.72	-0.69	-0.66	6,8,10
	332.2	0.32	0.77	0.37	6,6,10	0.31	0.31	0.30	6,8,10				
	664.5	0.39	0.77	0.46	6,6,10	0.30	0.29	0.28	6,8,10				
28	0.0	0.38	0.77	0.44	6,6,10	0.30	0.29	0.28	6,8,10	0.21	0.13	0.13	6,8,10
	269.4	0.14	0.48	0.16	6,6,10	0.0	0.0	0.0	0,0,0				
	538.8	0.18	0.55	0.21	6,6,10	0.19	0.20	0.19	6,8,10				
29	0.0	0.12	0.05	0.14	6,6,10	0.0	0.0	0.0	0,0,0	0.05	0.04	0.04	6,8,10
	170.0	0.07	0.04	0.08	6,6,10	0.0	0.0	0.0	0,0,0				
	340.0	0.17	0.08	0.21	6,5,10	0.0	0.0	0.0	0,0,0				
30	0.0	0.16	0.45	0.19	6,6,10	0.0	0.0	0.0	0,0,0	-0.31	-0.14	-0.13	6,8,10
	270.7	0.17	0.46	0.20	6,6,10	0.16	0.0	0.0	6,0,0				
	541.5	0.40	0.78	0.46	6,6,10	0.30	0.30	0.28	6,8,10				
31	0.0	0.40	0.77	0.47	6,6,10	0.30	0.29	0.28	6,8,10	-0.66	-0.65	-0.59	6,8,10
	330.9	0.32	0.76	0.38	6,6,10	0.31	0.31	0.29	6,8,10				
	661.7	0.34	0.77	0.40	6,6,10	0.31	0.31	0.30	6,8,10				
32	0.0	0.33	0.77	0.38	6,6,10	0.31	0.31	0.30	6,8,10	0.09	0.07	0.07	6,8,10
	166.1	0.02	0.21	0.03	5,6,9	0.0	0.0	0.0	0,0,0				
	332.2	0.12	0.38	0.15	6,6,10	0.0	0.0	0.0	0,0,0				
33	0.0	0.11	0.37	0.14	6,6,10	0.0	0.0	0.0	0,0,0	0.07	0.06	0.06	6,8,10
	214.3	0.11	0.37	0.13	6,6,10	0.0	0.0	0.0	0,0,0				
	428.5	0.08	0.32	0.09	6,6,10	0.0	0.0	0.0	0,0,0				
34	0.0	0.0	0.05	0.0	0,6,0	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	6,8,10
	127.6	9.56e-03	0.07	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
35	0.0	0.07	0.11	0.08	6,6,10	0.0	0.0	0.0	0,0,0	-6.73e-03	-6.50e-03	-6.43e-03	6,8,10
	111.2	0.06	0.08	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
36	0.0	0.21	0.28	0.23	6,6,10	0.0	0.0	0.0	0,0,0	2.00e-03	2.00e-03	2.00e-03	5,7,9
	120.5	0.08	0.05	0.09	6,6,10	0.0	0.0	0.0	0,0,0				
37	0.0	0.06	0.10	0.07	6,6,10	0.0	0.0	0.0	0,0,0	-9.00e-03	-7.90e-03	-7.53e-03	6,8,10
	162.1	0.05	0.08	0.05	6,6,10	0.0	0.0	0.0	0,0,0				
38	0.0	0.07	0.13	0.08	6,6,10	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	6,8,10
	159.4	0.07	0.14	0.08	6,6,10	0.0	0.0	0.0	0,0,0				
39	0.0	0.0	0.08	0.0	0,6,0	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-9.73e-03	6,8,10
	135.4	0.03	0.16	0.04	6,6,10	0.0	0.0	0.0	0,0,0				
40	0.0	0.02	0.09	0.02	6,6,10	0.0	0.0	0.0	0,0,0	7.32e-04	7.32e-04	7.32e-04	5,7,9
	85.0	0.0	0.07	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
71	0.0	3.75e-03	0.01	4.03e-03	6,6,10	0.0	0.0	0.0	0,0,0	0.21	0.18	-0.17	6,8,10
	216.0	0.06	0.14	0.07	6,6,10	0.0	0.0	0.0	0,0,0				
	432.0	0.13	0.19	0.15	6,6,10	0.0	0.0	0.0	0,0,0				
72	0.0	0.12	0.18	0.14	6,6,10	0.0	0.0	0.0	0,0,0	-0.08	-0.07	-0.07	6,8,10
	166.1	0.05	0.08	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
	332.1	0.25	0.36	0.29	6,6,10	0.0	0.0	0.0	0,0,0				
73	0.0	0.25	0.37	0.29	6,6,10	0.0	0.0	0.0	0,0,0	0.09	0.08	0.08	6,8,10
	332.2	0.10	0.23	0.12	6,6,10	0.0	0.0	0.0	0,0,0				
	664.5	0.32	0.48	0.37	6,6,10	0.18	0.0	0.0	6,0,0				
74	0.0	0.02	0.02	0.02	6,5,10	0.0	0.0	0.0	0,0,0	0.18	0.18	0.18	6,8,10
	348.6	0.11	0.24	0.13	6,6,10	0.0	0.0	0.0	0,0,0				
	697.1	0.15	0.21	0.17	6,6,10	0.0	0.0	0.0	0,0,0				
75	0.0	7.49e-03	0.02	8.96e-03	6,6,10	0.0	0.0	0.0	0,0,0	0.04	0.04	0.03	6,8,10
	127.6	0.02	0.04	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
76	0.0	0.33	0.49	0.39	6,6,10	0.18	0.16	0.0	6,8,0	-0.24	-0.21	-0.21	6,8,10
	269.4	0.05	0.12	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
	538.8	0.03	0.04	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
77	0.0	0.04	0.06	0.05	6,6,10	0.0	0.0	0.0	0,0,0	7.38e-03	6.56e-03	6.29e-03	6,8,10
	170.0	0.03	0.06	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
	340.0	0.04	0.05	0.05	6,6,10	0.0	0.0	0.0	0,0,0				
78	0.0	0.03	0.05	0.04	6,6,10	0.0	0.0	0.0	0,0,0	-0.24	-0.22	-0.21	6,8,10
	270.7	0.05	0.12	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
	541.5	0.33	0.49	0.39	6,6,10	0.18	0.0	0.0	6,0,0				
79	0.0	0.33	0.48	0.38	6,6,10	0.18	0.0	0.0	6,0,0	0.07	0.07	0.07	6,8,10
	330.9	0.10	0.22	0.11	6,6,10	0.0	0.0	0.0	0,0,0				
	661.7	0.23	0.35	0.27	6,6,10	0.0	0.0	0.0	0,0,0				
80	0.0	0.24	0.35	0.28	6,6,10	0.0	0.0	0.0	0,0,0	-0.07	-0.06	-0.06	6,8,10
	166.1	0.03	0.05	0.04	6,6,10	0.0	0.0	0.0	0,0,0				
	332.2	0.08	0.11	0.09	6,6,10	0.0	0.0	0.0	0,0,0				
81	0.0	0.09	0.13	0.10	6,6,10	0.0	0.0	0.0	0,0,0	0.06	0.05	0.04	6,8,10
	214.3	0.08	0.17	0.09	6,6,10	0.0	0.0	0.0	0,0,0				
	428.5	0.01	0.02	0.02	5,5,9	0.0	0.0	0.0	0,0,0				
82	0.0	0.0	0.47	0.0	0,6,0	0.19	0.19	0.18	6,8,10	0.64	0.60	0.58	6,8,10
	234.3	0.18	0.70	0.21	6,6,10	0.24	0.23	0.22	6,8,10				
	468.5	0.44	0.76	0.51	6,6,10	0.25	0.23	0.22	6,8,10				
83	0.0	0.77	0.48	0.85	6,6,10	0.14	0.13	0.12	6,8,10	0.84	0.75	0.70	6,8,10
	102.4	0.17	0.11	0.19	6,6,10	0.0	0.0	0.0	0,0,0				
	204.8	0.90	0.48	1.00	6,6,10	0.13	0.12	0.11	6,8,10				
84	0.0	0.42	0.65	0.48	6,6,10	0.24	0.25	0.23	6,8,10	0.56	0.51	0.44	6,8,10

	332.2	0.16	0.42	0.19	6,6,10	0.12	0.12	0.11	6,8,10				
	664.5	0.63	0.67	0.72	6,6,10	0.24	0.23	0.22	6,8,10				
85	0.0	0.64	0.69	0.74	6,6,10	0.24	0.23	0.22	6,8,10	1.37	0.80	0.55	6,8,10
	269.4	0.08	0.23	0.10	6,6,10	0.0	0.0	0.0	0,0,0				
	538.8	0.03	0.11	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
86	0.0	2.04e-03	0.03	2.71e-03	5,6,9	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	6,8,10
	170.0	0.10	0.25	0.11	6,6,10	0.0	0.0	0.0	0,0,0				
	340.0	0.04	0.12	0.04	6,6,10	0.0	0.0	0.0	0,0,0				
87	0.0	0.08	0.23	0.09	6,6,10	0.0	0.0	0.0	0,0,0	-2.42	-2.28	-2.22	6,8,10
	270.7	0.10	0.27	0.11	6,6,10	0.0	0.0	0.0	0,0,0				
	541.5	0.73	0.67	0.84	6,6,10	0.23	0.22	0.21	6,8,10				
88	0.0	0.72	0.70	0.83	6,6,10	0.24	0.23	0.22	6,8,10	-0.86	-0.72	-0.68	6,8,10
	330.9	0.16	0.44	0.19	6,6,10	0.13	0.12	0.12	6,8,10				
	661.7	0.54	0.68	0.62	6,6,10	0.24	0.24	0.23	6,8,10				
89	0.0	0.58	0.71	0.66	6,6,10	0.26	0.26	0.24	6,8,10	-1.43	-1.18	-1.10	6,8,10
	193.0	0.03	0.12	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
	385.9	0.15	0.41	0.17	6,6,10	0.11	0.11	0.10	6,8,10				
90	0.0	0.15	0.30	0.16	6,6,10	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	5,7,9
	121.2	2.32e-03	0.08	3.09e-03	5,6,9	0.0	0.0	0.0	0,0,0				
91	0.0	0.01	0.04	0.01	6,6,10	0.0	0.0	0.0	0,0,0	-5.64e-03	-5.64e-03	-5.64e-03	5,7,9
	121.2	3.21e-03	0.03	3.06e-03	6,5,10	0.0	0.0	0.0	0,0,0				
92	0.0	7.80e-03	0.01	8.63e-03	6,6,10	0.0	0.0	0.0	0,0,0	-0.07	0.06	0.06	6,8,10
	72.0	2.20e-03	1.31e-03	2.34e-03	6,6,10	0.0	0.0	0.0	0,0,0				
93	0.0	5.51e-03	0.03	7.35e-03	5,5,9	0.0	0.0	0.0	0,0,0	0.02	0.01	0.01	6,8,10
	104.1	2.98e-03	0.02	2.15e-03	6,6,10	0.0	0.0	0.0	0,0,0				
94	0.0	0.02	0.02	0.02	6,5,10	0.0	0.0	0.0	0,0,0	0.02	0.01	0.01	6,8,10
	104.1	2.33e-03	1.37e-03	2.50e-03	6,6,10	0.0	0.0	0.0	0,0,0				
95	0.0	7.88e-03	4.84e-03	9.85e-03	6,6,10	0.0	0.0	0.0	0,0,0	-3.36e-03	-3.36e-03	-3.36e-03	5,7,9
	114.8	8.59e-03	5.26e-03	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
96	0.0	0.02	9.29e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	3.41e-03	2.91e-03	2.74e-03	6,8,10
	85.0	0.02	9.35e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
97	0.0	7.29e-03	4.31e-03	9.72e-03	5,5,9	0.0	0.0	0.0	0,0,0	-0.01	-9.56e-03	-9.24e-03	6,8,10
	135.4	0.02	0.01	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
98	0.0	0.02	0.03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	9.83e-03	9.16e-03	8.93e-03	6,8,10
	159.4	0.02	0.03	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
99	0.0	0.01	0.02	0.02	6,6,10	0.0	0.0	0.0	0,0,0	8.18e-03	6.10e-03	5.40e-03	6,8,10
	162.1	0.02	0.04	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
100	0.0	0.01	0.07	9.45e-03	6,6,10	0.0	0.0	0.0	0,0,0	1.29e-03	7.99e-04	6.43e-04	6,8,10
	120.5	7.68e-03	0.07	0.01	5,6,9	0.0	0.0	0.0	0,0,0				
101	0.0	0.0	0.01	0.0	0,5,0	0.0	0.0	0.0	0,0,0	5.19e-03	5.19e-03	5.19e-03	5,7,9
	110.4	1.75e-03	0.02	2.33e-03	5,6,9	0.0	0.0	0.0	0,0,0				
102	0.0	8.97e-03	0.02	9.39e-03	6,6,10	0.0	0.0	0.0	0,0,0	-0.04	-0.04	-0.03	6,8,10
	180.0	0.08	0.13	0.10	6,6,10	0.0	0.0	0.0	0,0,0				
103	0.0	0.29	0.44	0.32	6,6,10	0.0	0.0	0.0	0,0,0	0.10	0.07	0.06	6,8,10
	251.1	0.05	0.14	0.07	6,6,10	0.0	0.0	0.0	0,0,0				
	502.1	0.05	0.08	0.06	5,5,9	0.0	0.0	0.0	0,0,0				
104	0.0	8.02e-03	0.02	8.43e-03	6,6,10	0.0	0.0	0.0	0,0,0	-0.05	-0.04	-0.04	6,8,10
	180.0	0.09	0.13	0.10	6,6,10	0.0	0.0	0.0	0,0,0				
105	0.0	0.29	0.44	0.33	6,6,10	0.0	0.0	0.0	0,0,0	0.10	0.06	0.05	6,8,10
	251.1	0.06	0.15	0.08	6,6,10	0.0	0.0	0.0	0,0,0				
	502.1	0.03	0.05	0.05	5,5,9	0.0	0.0	0.0	0,0,0				
106	0.0	0.33	0.66	0.37	6,6,10	0.25	0.25	0.23	6,8,10	-0.37	-0.22	-0.21	6,8,10
	212.2	0.21	0.43	0.24	6,6,10	0.15	0.0	0.0	6,0,0				
	424.4	0.18	0.38	0.22	6,6,10	0.0	0.0	0.0	0,0,0				
107	0.0	0.52	0.76	0.58	6,6,10	0.26	0.24	0.22	6,8,10	-0.09	-0.09	-0.08	6,8,10
	121.2	0.0	0.51	0.0	0,6,0	0.27	0.24	0.23	6,8,10				
108	0.0	0.03	0.04	0.03	6,6,10	0.0	0.0	0.0	0,0,0	-4.91e-03	-4.91e-03	-4.91e-03	5,7,9
	121.2	0.03	0.04	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
109	0.0	0.01	0.04	0.01	6,6,10	0.0	0.0	0.0	0,0,0	8.95e-03	8.95e-03	8.95e-03	5,7,9
	121.2	0.0	0.03	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
110	0.0	6.56e-03	0.03	7.77e-03	6,5,10	0.0	0.0	0.0	0,0,0	6.97e-03	6.97e-03	6.97e-03	5,7,9
	121.2	5.91e-03	0.03	6.92e-03	6,5,10	0.0	0.0	0.0	0,0,0				
111	0.0	8.22e-03	0.06	6.56e-03	6,6,10	0.0	0.0	0.0	0,0,0	-4.90e-03	-4.90e-03	-4.90e-03	5,7,9
	121.2	0.01	0.07	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
112	0.0	0.02	0.05	0.03	6,6,10	0.0	0.0	0.0	0,0,0	-4.89e-03	-4.89e-03	-4.89e-03	5,7,9
	121.2	0.03	0.05	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
113	0.0	0.03	0.09	0.03	6,6,10	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	5,7,9
	121.2	0.0	0.04	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
114	0.0	6.97e-03	0.03	8.18e-03	6,5,10	0.0	0.0	0.0	0,0,0	-6.60e-03	-6.60e-03	-6.60e-03	5,7,9
	121.2	6.07e-03	0.03	6.99e-03	6,5,10	0.0	0.0	0.0	0,0,0				
115	0.0	0.0	0.12	0.0	0,6,0	0.0	0.0	0.0	0,0,0	-4.61e-03	-4.61e-03	-4.61e-03	5,7,9
	121.2	0.0	0.09	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
116	0.0	0.02	0.04	0.03	6,6,10	0.0	0.0	0.0	0,0,0	-4.73e-03	-4.73e-03	-4.73e-03	5,7,9
	121.2	0.02	0.04	0.03	6,6,10	0.0	0.0	0.0	0,0,0				

117	0.0	4.38e-03	0.03	4.44e-03	6,6,10	0.0	0.0	0.0	0,0,0	-4.47e-03	-4.47e-03	-4.47e-03	5,7,9
	121.2	9.03e-03	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
118	0.0	0.0	0.02	0.0	0,5,0	0.0	0.0	0.0	0,0,0	6.80e-03	6.80e-03	6.80e-03	5,7,9
	121.2	0.02	0.04	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
119	0.0	0.02	0.05	0.02	6,6,10	0.0	0.0	0.0	0,0,0	-5.01e-03	-5.01e-03	-5.01e-03	5,7,9
	121.2	0.02	0.06	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
120	0.0	0.03	0.05	0.03	6,6,10	0.0	0.0	0.0	0,0,0	-0.04	-0.04	-0.04	6,8,10
	72.0	0.03	0.06	0.04	6,6,10	0.0	0.0	0.0	0,0,0				
121	0.0	6.51e-03	0.02	7.17e-03	6,6,10	0.0	0.0	0.0	0,0,0	-0.07	-0.06	-0.06	6,8,10
	72.0	4.15e-03	0.01	4.51e-03	6,6,10	0.0	0.0	0.0	0,0,0				
122	0.0	0.02	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0	9.98e-03	8.75e-03	8.34e-03	6,8,10
	104.1	0.02	9.58e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
123	0.0	0.02	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0	9.87e-03	8.67e-03	8.27e-03	6,8,10
	104.1	0.02	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
124	0.0	0.01	0.02	0.01	6,6,10	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	6,8,10
	104.1	5.20e-03	0.01	6.04e-03	6,5,10	0.0	0.0	0.0	0,0,0				
125	0.0	0.01	7.72e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.01	6,8,10
	104.1	8.29e-03	4.81e-03	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
126	0.0	0.02	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0	0.01	9.01e-03	8.59e-03	6,8,10
	104.1	0.02	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
127	0.0	0.02	9.63e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	9.70e-03	8.52e-03	8.12e-03	6,8,10
	104.1	0.02	0.01	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
128	0.0	7.67e-03	0.02	9.27e-03	6,5,10	0.0	0.0	0.0	0,0,0	0.02	0.01	0.01	6,8,10
	104.1	4.75e-03	0.02	5.08e-03	6,6,10	0.0	0.0	0.0	0,0,0				
129	0.0	0.01	6.59e-03	0.01	6,6,10	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	6,8,10
	104.1	2.90e-03	1.79e-03	3.66e-03	6,6,10	0.0	0.0	0.0	0,0,0				
130	0.0	0.02	9.27e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	9.92e-03	8.72e-03	8.31e-03	6,8,10
	104.1	0.02	8.31e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
131	0.0	0.02	9.87e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	0.01	0.01	9.56e-03	6,8,10
	104.1	0.03	0.02	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
132	0.0	9.68e-03	0.01	0.01	6,5,10	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	6,8,10
	104.1	9.86e-03	0.01	0.01	6,5,10	0.0	0.0	0.0	0,0,0				
133	0.0	0.01	8.22e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	0.02	0.01	0.01	6,8,10
	104.1	0.01	6.37e-03	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
134	0.0	4.44e-03	0.16	3.33e-03	6,6,10	0.0	0.0	0.0	0,0,0	-5.11e-03	-4.43e-03	-4.20e-03	6,8,10
	114.8	0.0	0.11	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
135	0.0	0.01	7.16e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	-1.10e-03	-1.10e-03	-1.10e-03	5,7,9
	114.8	9.73e-03	5.85e-03	0.01	5,6,9	0.0	0.0	0.0	0,0,0				
136	0.0	0.0	0.10	0.0	0,6,0	0.0	0.0	0.0	0,0,0	-2.70e-03	-2.36e-03	-2.24e-03	6,8,10
	85.0	8.96e-03	0.10	5.90e-03	6,6,10	0.0	0.0	0.0	0,0,0				
137	0.0	7.65e-03	4.61e-03	0.01	6,6,10	0.0	0.0	0.0	0,0,0	-4.95e-03	-4.45e-03	-4.23e-03	6,8,10
	85.0	7.92e-03	4.76e-03	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
138	0.0	0.01	0.09	9.53e-03	6,6,10	0.0	0.0	0.0	0,0,0	-1.57e-03	-1.32e-03	-1.23e-03	6,8,10
	85.0	6.67e-03	0.08	3.66e-03	6,6,10	0.0	0.0	0.0	0,0,0				
139	0.0	7.85e-03	4.72e-03	9.85e-03	6,6,10	0.0	0.0	0.0	0,0,0	-4.61e-03	-4.02e-03	-3.83e-03	6,8,10
	85.0	0.01	7.21e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
140	0.0	1.72e-03	0.07	0.0	6,6,0	0.0	0.0	0.0	0,0,0	-4.73e-03	-4.21e-03	-4.04e-03	6,8,10
	85.0	0.0	0.05	0.0	0,5,0	0.0	0.0	0.0	0,0,0				
141	0.0	0.01	6.22e-03	0.01	6,6,10	0.0	0.0	0.0	0,0,0	-4.41e-03	-3.86e-03	-3.67e-03	6,8,10
	85.0	9.49e-03	5.55e-03	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
142	0.0	0.07	0.11	0.08	6,6,10	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	6,8,10
	159.4	0.07	0.12	0.08	6,6,10	0.0	0.0	0.0	0,0,0				
143	0.0	0.05	0.11	0.05	6,6,10	0.0	0.0	0.0	0,0,0	-9.11e-03	-8.35e-03	-8.10e-03	6,8,10
	135.4	0.05	0.12	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
144	0.0	8.60e-03	4.72e-03	0.01	6,6,10	0.0	0.0	0.0	0,0,0	-0.01	-9.47e-03	-9.22e-03	6,8,10
	135.4	0.02	0.01	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
145	0.0	0.02	0.04	0.02	6,6,10	0.0	0.0	0.0	0,0,0	-9.83e-03	-9.21e-03	-9.00e-03	6,8,10
	159.4	0.02	0.03	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
146	0.0	0.07	0.12	0.08	6,6,10	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	6,8,10
	159.4	0.07	0.13	0.08	6,6,10	0.0	0.0	0.0	0,0,0				
147	0.0	0.05	0.13	0.05	6,6,10	0.0	0.0	0.0	0,0,0	-8.89e-03	-8.10e-03	-7.84e-03	6,8,10
	135.4	0.05	0.14	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
148	0.0	7.36e-03	4.27e-03	9.53e-03	6,6,10	0.0	0.0	0.0	0,0,0	-0.01	-9.76e-03	-9.48e-03	6,8,10
	135.4	0.02	9.17e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
149	0.0	0.02	0.03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	-9.90e-03	-9.25e-03	-9.03e-03	6,8,10
	159.4	0.02	0.04	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
150	0.0	0.06	0.09	0.07	6,6,10	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	6,8,10
	159.4	0.06	0.07	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
151	0.0	0.05	0.10	0.05	6,6,10	0.0	0.0	0.0	0,0,0	-8.84e-03	-8.14e-03	-7.91e-03	6,8,10
	135.4	0.06	0.12	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
152	0.0	6.89e-03	0.01	8.57e-03	6,6,10	0.0	0.0	0.0	0,0,0	9.79e-03	9.17e-03	8.96e-03	6,8,10
	135.4	0.02	0.03	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
153	0.0	0.02	0.03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-9.83e-03	6,8,10
	159.4	0.02	0.03	0.02	6,6,10	0.0	0.0	0.0	0,0,0				

154	0.0	0.02	8.94e-03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	-9.20e-03	-8.00e-03	-7.60e-03	6,8,10
	162.1	6.74e-03	4.20e-03	7.39e-03	6,6,10	0.0	0.0	0.0	0,0,0				
155	0.0	6.12e-03	0.05	8.16e-03	5,6,9	0.0	0.0	0.0	0,0,0	-0.01	-8.03e-03	-7.33e-03	6,8,10
	162.1	0.02	0.08	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
156	0.0	0.04	0.06	0.05	6,6,10	0.0	0.0	0.0	0,0,0	-7.77e-03	-6.79e-03	-6.48e-03	6,8,10
	162.1	0.04	0.05	0.04	6,6,10	0.0	0.0	0.0	0,0,0				
157	0.0	0.01	0.03	0.01	5,6,9	0.0	0.0	0.0	0,0,0	-9.66e-03	-7.59e-03	-6.88e-03	6,8,10
	162.1	0.02	0.05	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
158	0.0	0.08	0.06	0.09	6,6,10	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03	6,8,10
	162.1	0.30	0.45	0.33	6,6,10	0.19	0.0	0.0	6,0,0				
159	0.0	0.0	0.07	0.0	0,6,0	0.0	0.0	0.0	0,0,0	-7.99e-03	-5.98e-03	-5.32e-03	6,8,10
	162.1	0.08	0.21	0.09	6,6,10	0.0	0.0	0.0	0,0,0				
160	0.0	0.07	0.12	0.08	6,6,10	0.0	0.0	0.0	0,0,0	-4.12e-03	-3.68e-03	-3.66e-03	6,8,10
	120.5	0.07	0.11	0.08	6,6,10	0.0	0.0	0.0	0,0,0				
161	0.0	1.32e-03	0.07	1.76e-03	5,6,9	0.0	0.0	0.0	0,0,0	3.65e-03	2.67e-03	2.35e-03	6,8,10
	120.5	0.0	0.05	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
162	0.0	0.07	0.16	0.08	6,6,10	0.0	0.0	0.0	0,0,0	-4.47e-03	-4.47e-03	-4.47e-03	5,7,9
	111.2	0.10	0.20	0.11	6,6,10	0.0	0.0	0.0	0,0,0				
163	0.0	8.98e-03	0.02	0.01	6,6,10	0.0	0.0	0.0	0,0,0	6.70e-03	6.70e-03	6.70e-03	5,7,9
	112.0	0.0	5.46e-03	0.0	0,6,0	0.0	0.0	0.0	0,0,0				
164	0.0	0.01	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	6,8,10
	127.6	0.02	0.04	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
165	0.0	8.01e-03	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	6,8,10
	127.6	0.01	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
166	0.0	0.01	0.07	0.01	6,6,10	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	6,8,10
	127.6	0.02	0.08	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
167	0.0	0.01	0.03	0.02	6,6,10	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.04	6,8,10
	127.6	0.01	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0				
168	0.0	8.12e-03	5.14e-03	9.89e-03	6,6,10	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	6,8,10
	127.6	0.03	0.02	0.03	6,6,10	0.0	0.0	0.0	0,0,0				
169	0.0	0.0	0.03	0.0	0,6,0	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	6,8,10
	127.6	0.02	0.06	0.02	6,6,10	0.0	0.0	0.0	0,0,0				
172	0.0	0.54	0.75	0.63	6,6,10	0.28	0.28	0.27	6,8,10	-1.09	-1.14	-0.96	6,8,10
	131.1	0.18	0.29	0.21	6,6,10	0.0	0.0	0.0	0,0,0				
	262.3	0.45	0.75	0.52	6,6,10	0.30	0.31	0.30	6,8,10				
173	0.0	0.06	0.10	0.07	6,6,10	0.0	0.0	0.0	0,0,0	0.20	0.18	0.17	6,8,10
	258.6	0.05	0.12	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
	517.1	0.30	0.45	0.33	6,6,10	0.0	0.0	0.0	0,0,0				
174	0.0	0.55	0.75	0.63	6,6,10	0.28	0.28	0.27	6,8,10	-1.08	-1.12	-1.07	6,8,10
	131.1	0.19	0.31	0.22	6,6,10	0.0	0.0	0.0	0,0,0				
	262.3	0.46	0.76	0.54	6,6,10	0.30	0.31	0.30	6,8,10				
175	0.0	0.06	0.10	0.07	6,6,10	0.0	0.0	0.0	0,0,0	-0.20	-0.18	-0.17	6,8,10
	258.6	0.05	0.12	0.06	6,6,10	0.0	0.0	0.0	0,0,0				
	517.1	0.30	0.45	0.34	6,6,10	0.17	0.0	0.0	6,0,0				

Trave	rRfck	rRfyk	rPfck	wR	wF	wP	dR	dF	dP
	0.90	0.78	1.00	0.33	0.32	0.30	1.37	1.08	1.06

VERIFICA DELLA SCALA

La verifica viene condotta secondo i dettami della Scienza delle costruzioni.

Geometria

S= 20 cm Spessore soletta
P= 140 cm Larghezza scala

Materiali

Calcestruzzo C28/35
Acciaio B450C

Condizioni ambientali

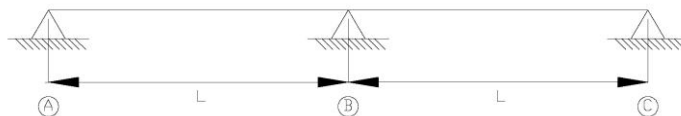
Si considera una classe di esposizione del calcestruzzo XC3 corrispondente a condizioni ambientali ordinarie.

Analisi dei carichi

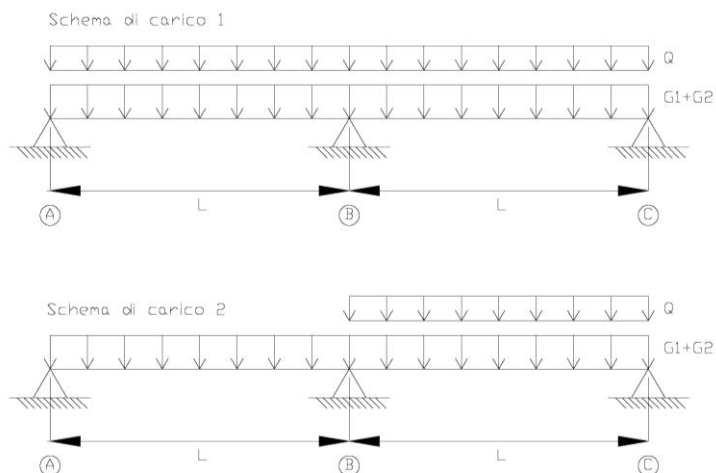
G1= 500 daN/m² Carichi permanenti strutturali
G2= 400 daN/m² Carichi permanenti non strutturali (Gradini, rivestimento, parapetti)
Q= 500 daN/m² [Cat. C3 Ambienti privi di ostacoli per il libero movimento delle persone , quail musei, sale per esposizioni, stazioni ferroviarie , sale da ballo, palestre, tribune libere, edifici per eventi pubblici, sale da concerto, palazzetto dello sport e relative tribune]

Schema statico

Si considera una trave continua in semplice appoggio.
L= 3,50 m Luce di calcolo



Schemi di carico



Calcolo delle sollecitazioni

Stato limite ultimo

$M_{ABmax} = 2639$ daNm [Schema 2]
 $M_{Bmax} = 4115$ daNm [Schema 1]

Stato limite di esercizio

$M_{ABmax} = 1904$ daNm [Schema 2]
 $M_{Bmax} = 3002$ daNm [Schema 1]

Verifiche

Stato limite ultimo

Verifica C.A. S.L.U. - File: Scala

File Materiali Opzioni Visualizza Progetto Sez. Rett. Sismica Normativa: NTC 2008

Titolo : Sezione di campata

N° strati barre 2 Zoom

N°	b [cm]	h [cm]
1	140	20

N°	As [cm²]	d [cm]
1	10,78	5
2	10,78	15

Tipologia Sezione:
 Rettan.re Trapezi
 a T Circolare
 Rettangoli Coord.

Diagramma della sezione:

Sollecitazioni: S.L.U. Metodo n

N _{Ed}	0	0	kN
M _{xEd}	27,34	19,04	kNm
M _{yEd}	0	0	

P.to applicazione N:
 Centro Baricentro cls
 Coord.[cm] xN 0 yN 0

Tipologia rottura: Lato calcestruzzo - Acciaio snervato

Metodo di calcolo:
 S.L.U.+ S.L.U.-
 Metodo n

Tipologia flessione:
 Retta Deviata

N° rett. 100

Calcola MRd Dominio M-N

L₀ 0 cm Col. modello

Precompresso

Materiali: B450C C28/35

ϵ_{su}	67,5 %	ϵ_{c2}	2 %
f_{yd}	391,3 N/mm²	ϵ_{cu}	3,5 %
E_s	200.000 N/mm²	f_{cd}	15,87
E_s/E_c	15	f_{cc}/f_{cd}	0,8
ϵ_{syd}	1,957 %	$\sigma_{c,adm}$	11
$\sigma_{s,adm}$	255 N/mm²	τ_{co}	0,6667
		τ_{c1}	1,971

M_{xRd} 65,37 kN m

σ_c -15,87 N/mm²

σ_s 391,3 N/mm²

ϵ_c 3,5 %

ϵ_s 10,51 %

d 15 cm

x 3,747 x/d 0,2498

δ 0,7522

Verifica C.A. S.L.U. - File: Scala

File Materiali Opzioni Visualizza Progetto Sez. Rett. Sismica Normativa: NTC 2008

Titolo : Sezione all'appoggio centrale

N° strati barre 2 Zoom

N°	b [cm]	h [cm]
1	140	20

N°	As [cm²]	d [cm]
1	10,78	5
2	10,78	15

Tipologia Sezione:
 Rettan.re Trapezi
 a T Circolare
 Rettangoli Coord.

Diagramma della sezione:

Sollecitazioni: S.L.U. Metodo n

N _{Ed}	0	0	kN
M _{xEd}	42,88	30,02	kNm
M _{yEd}	0	0	

P.to applicazione N:
 Centro Baricentro cls
 Coord.[cm] xN 0 yN 0

Tipologia rottura: Lato calcestruzzo - Acciaio snervato

Metodo di calcolo:
 S.L.U.+ S.L.U.-
 Metodo n

Tipologia flessione:
 Retta Deviata

N° rett. 100

Calcola MRd Dominio M-N

L₀ 0 cm Col. modello

Precompresso

Materiali: B450C C28/35

ϵ_{su}	67,5 %	ϵ_{c2}	2 %
f_{yd}	391,3 N/mm²	ϵ_{cu}	3,5 %
E_s	200.000 N/mm²	f_{cd}	15,87
E_s/E_c	15	f_{cc}/f_{cd}	0,8
ϵ_{syd}	1,957 %	$\sigma_{c,adm}$	11
$\sigma_{s,adm}$	255 N/mm²	τ_{co}	0,6667
		τ_{c1}	1,971

M_{xRd} 65,37 kN m

σ_c -15,87 N/mm²

σ_s 391,3 N/mm²

ϵ_c 3,5 %

ϵ_s 10,51 %

d 15 cm

x 3,747 x/d 0,2498

δ 0,7522

Stato limite di esercizio di flessione

Verifica C.A. S.L.U. - File: Scala

File Materiali Opzioni Visualizza Progetto Sez. Rett. Sismica Normativa: NTC 2008

Titolo : Sezione di campata

N° strati barre 2 Zoom

N°	b [cm]	h [cm]
1	140	20

N°	As [cm²]	d [cm]
1	10,78	5
2	10,78	15

Tipo Sezione
 Rettan.re Trapezi
 a T Circolare
 Rettangoli Coord.

Sollecitazioni
 S.L.U. Metodo n

N_{Ed} 0 kN
 M_{xEd} 27,34 kNm
 M_{yEd} 0 kNm

P.to applicazione N
 Centro Baricentro cls
 Coord.[cm] xN 0 yN 0

Metodo di calcolo
 S.L.U.+ S.L.U.-
 Metodo n

Materiali
 B450C C28/35
 ϵ_{su} 67,5 ‰ ϵ_{c2} 2 ‰
 f_{yd} 391,3 N/mm² ϵ_{cu} 3,5 ‰
 E_s 200.000 N/mm² f_{cd} 15,87
 E_s/E_c 15 f_{cc}/f_{cd} 0,8
 ϵ_{syd} 1,957 ‰ $\sigma_{c,adm}$ 11
 $\sigma_{s,adm}$ 255 N/mm² τ_{co} 0,6667
 τ_{c1} 1,971

σ_c -4,216 N/mm²
 σ_s 131,6 N/mm²
 ϵ_s 0,658 ‰
 d 15 cm
 x 4,869 x/d 0,3246
 δ 0,8457

Verifica
 N° iterazioni: 4

Precompresso

Verifica C.A. S.L.U. - File: Scala

File Materiali Opzioni Visualizza Progetto Sez. Rett. Sismica Normativa: NTC 2008 ?

TITOLO : Sezione all'appoggio centrale

N° strati barre 2 Zoom

N°	b [cm]	h [cm]
1	140	20

N°	As [cm²]	d [cm]
1	10,78	5
2	10,78	15

Tipo Sezione
 Rettan.re Trapezi
 a T Circolare
 Rettangoli Coord.

Sollecitazioni
 S.L.U. Metodo n

N_{Ed} 0 0 kN
 M_{xEd} 42,88 30,02 kNm
 M_{yEd} 0 0

P.to applicazione N
 Centro Baricentro cls
 Coord.[cm] xN 0 yN 0

Metodo di calcolo
 S.L.U.+ S.L.U.-
 Metodo n

Materiali
 B450C C28/35
 ε_{su} 67,5 ‰ ε_{c2} 2 ‰
 f_{yd} 391,3 N/mm² ε_{cu} 3,5 ‰
 E_s 200.000 N/mm² f_{cd} 15,87
 E_s/E_c 15 f_{cc}/f_{cd} 0,8
 ε_{syd} 1,957 ‰ σ_{c,adm} 11
 σ_{s,adm} 255 N/mm² τ_{co} 0,6667
 τ_{c1} 1,971

σ_c -6,648 N/mm²
 σ_s 207,5 N/mm²
 ε_s 1,037 ‰
 d 15 cm
 x 4,869 x/d 0,3246
 δ 0,8457

Verifica
 N° iterazioni: 4
 Precompresso

Stato limite di esercizio di fessurazione

Si considera per lo stato limite di apertura delle fessure $W_2 = 0,2$ mm.

La tensione massima nell'acciaio in condizioni di esercizio (a vantaggio di sicurezza si effettua la verifica per la combinazione rara) risulta:
 $\sigma_s = 207,5$ N/mmq

La verifica viene condotta seguendo il metodo tabellare (Tab.C4.1.II e Tab.C4.1.III NTC 2008 e Circolare). Deve essere:

- diametro massimo barre (Tab.C4.1.II) = 16 mm
- spaziatura massima tra le barre (Tab.C4.1.III) = 20 mm

Poiché si dispongono barre $\Phi 14/20$ la verifica è soddisfatta.