Provincia di Lucca

Comune di Lucca

OGGETTO: Integrazione alla relazione Geologica a supporto del progetto di demolizione del magazzino e deposito attrezzi e ricostruzione nuovo corpo laboratori e realizzazione di nuovo deposito attrezzi ipogeo presso l'Istituto Agrario "Brancoli-Busdraghi" di Lucca (LU)

Committenza: PROVINCIA DI LUCCA

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1 - PREMESSA

Il presente documento viene redatto a seguito della lettera dell'Autorità di Bacino Distrettuale dell'Appennino Settentrionale relativo al loro Prot 6177 del 17.07.2023 e del recepimento delle valutazioni geologiche precedenti, del geologo Allagosta relativamente allo studio per il progetto di realizzazione della nuova palestra (a servizio del complesso scolastico).

Il tutto è relativo all'incarico del sottoscritto, da parte della Provincia di Lucca, CIG 9921732841, per la parte geologica, a supporto dei progetti di: demolizione di un fabbricato attualmente destinato a magazzino e deposito attrezzi e contestuale ricostruzione di nuovo corpo da destinarsi a laboratori e realizzazione di un nuovo deposito attrezzi ipogeo, ubicati nella frazione di Mutigliano, nel Comune di Lucca (LU).

Di seguito si riportano i chiarimenti richiesti che verranno sviluppati per punti:

1 *Risulta mancante una sovrapposizione di dettaglio degli interventi (demolizione e ricostruzione magazzino, nuovo corpo magazzino e cabina enel) con il PAI vigente. Non risulta identificata l'area compresa tra il corpo di frana quiescente e la nicchia di distacco ai sensi del PAI art. 13 comma 2.*

2 *Non risulta valutata la documentazione già trasmessa (vs. prot. 14995 del 7/06/2023, ns. prot. 4841/2023) inerente la realizzazione di nuova Palestra Scolastica relativa alla "VALUTAZIONE DELL'AREA IN FRANA NELLE PERTINENZE DELL'ISTITUTO AGRARIO BRANCOLI BUSDRAGHI DI LUCCA IN LOC. MUTIGLIANO" e quella relativa alle condizioni di saturazione dei terreni (presenza di falda a piano campagna).*

3 *Le verifiche di stabilità mostrano una condizione di saturazione dei terreni con falda depressa in contrasto con quanto evidenziato (falda a piano campagna) nella documentazione tecnica precedentemente trasmessa da codesta Amministrazione (vs. prot. 10423 del 19/04/2023 e vs. prot.14995 del 7/06/2023; ns. prot. 3330/2023 e 4841/2023) in merito alla realizzazione, dell'edificio scolastico (palestra) immediatamente a valle.*

4 *Non risulta valutato lo schema di regimazione delle acque meteoriche, di ruscellamento e sub superficiali che tenga conto anche delle finalità dei sistemi in progetto a valle (vs. prot. 10423 del 19/04/2023 e vs. prot. 14995 del 7/06/2023; ns. prot. 3330/2023 e 4841/2023) con indicazione del recapito finale in rete scolante esistente.*

5 *Le opere in progetto risulterebbero ricadere in alcuni casi (demolizione magazzino e ricostruzione laboratorio, costruzione rimessa ipogea) al margine del corpo di frana quiescente cartografato dal Geol. Allagosta e rivalutato nella documentazione tecnica già trasmessa (vs. prot. 14995 del 7/06/2023, ns.prot. 4841/2023), in assenza di approfondimenti tecnici e opere di mitigazione al riguardo.*

2 - RISPOSTE ALLE RICHIESTE

2A – PUNTO 1

Nella figura sottostante è riportata la sovrapposizione richiesta con indicata la traccia delle sezioni (A-B e A-C) utilizzate nelle verifiche di stabilità. Relativamente alla sezione A-B, il profilo

topografico è stato prolungato più a valle fino a distanza tale da escludere possibili interferenze con il locale ipogeo in progetto.



Fig.1: Sovrapposizione degli interventi con la cartografia del PAI.
Il Poligono con perimetro "rosso" è il Lotto 1 ed il poligono con perimetro "blu" è il Lotto 2

2B – PUNTO 2

Il presente punto è riportato interamente nell'integrazione della Relazione Geologica a supporto della richiesta di variante (Allegato 1), dopo aver recepito le conoscenze con gli studi richiamati nella lettera dall' Autorità di Bacino.

2C – PUNTO 3 - CHIARIMENTI IN MERITO ALLA FALDA E VERIFICHE DI STABILITÀ

Sulla base delle considerazioni che verranno effettuate di seguito è stato elaborato un modello geologico - idrogeologico aggiornato e riportato in *Tav. 1 - Sezione litostratigrafica*.

Dagli studi effettuati e presi in considerazione è emerso che:

- ✓ le emergenze individuate dal Geol. Allagosta sono tutte collocate in corrispondenza dei *Depositi Villafranchiani (ViLc)* mentre nella porzione collocata a monte, in cui affiora il *Flysch di Ottone-Monteverdi* non ne sono state individuate nessuna;
- ✓ il monitoraggio, quasi mensile, effettuato dal Novembre 2022 ad oggi in corrispondenza del piezometro del sondaggio S2-Pz (realizzato a supporto di precedenti studi nel 2022), non ha mai rinvenuto acqua di falda;

- ✓ i depositi superficiali presentano una permeabilità primaria per porosità media, strettamente legata alla percentuale di sedimenti fini mentre il substrato sottostante presenta una permeabilità secondaria per fratturazione;
- ✓ la porzione di versante collocata a monte della strada presenta pendenze maggiori rispetto alla porzione di versante sottostante in cui verrà realizzata la palestra.

I dati raccolti e schematizzati sopra permettono di affermare che la falda può essere considerata prossima al piano campagna laddove gli spessori dei depositi superficiali limo-argillosi e sabbiosi raggiungono potenze maggiori (almeno 4-5 m) e dove le pendenze sono lievi (zona palestra), tali condizioni generano infatti una sorta di "*sbarramento*" alle acque sotterranee, portandole ad emergere in superficie.

Nella porzione di versante collocata più a monte (zona di intervento) la maggiore acclività dei luoghi (ci troviamo in prossimità della sommità del rilievo) e la presenza del substrato più superficiale non consentono invece la formazione di una falda permanente, ma al massimo potrebbero verificarsi scorrimenti idrici, in occasione soprattutto di periodi maggiormente piovosi, al contatto tra substrato e terreni immediatamente soprastanti.

Cautelativamente questa condizione è stata rappresentata nei modelli utilizzati per le verifiche di stabilità e rappresenta quindi la massima condizione di saturazione dei terreni.

Relativamente al modello geologico-geotecnico utilizzato per il presente lavoro, confrontandolo con quello utilizzato per la realizzazione della palestra è emerso che tra i depositi villafranchiani ed il substrato, il geol. Allagosta distingue due livelli: il livello "L1" ed il livello "L2", mentre il sottoscritto individua un solo livello, l'Orizzonte "A" (associabile a L1) in quanto il livello "L2" non risulta presente in corrispondenza del sondaggio S2-Pz né in altre indagini effettuate nell'intorno del complesso scolastico.

Tuttavia confrontando i campioni prelevati in corrispondenza dell'orizzonte "A" (in S2-Pz) ed in corrispondenza del livello L2 (in S1), è possibile osservare che presentano caratteristiche similari; pertanto, almeno dal punto di vista geotecnico, è stato deciso di considerare un unico orizzonte A (L1).

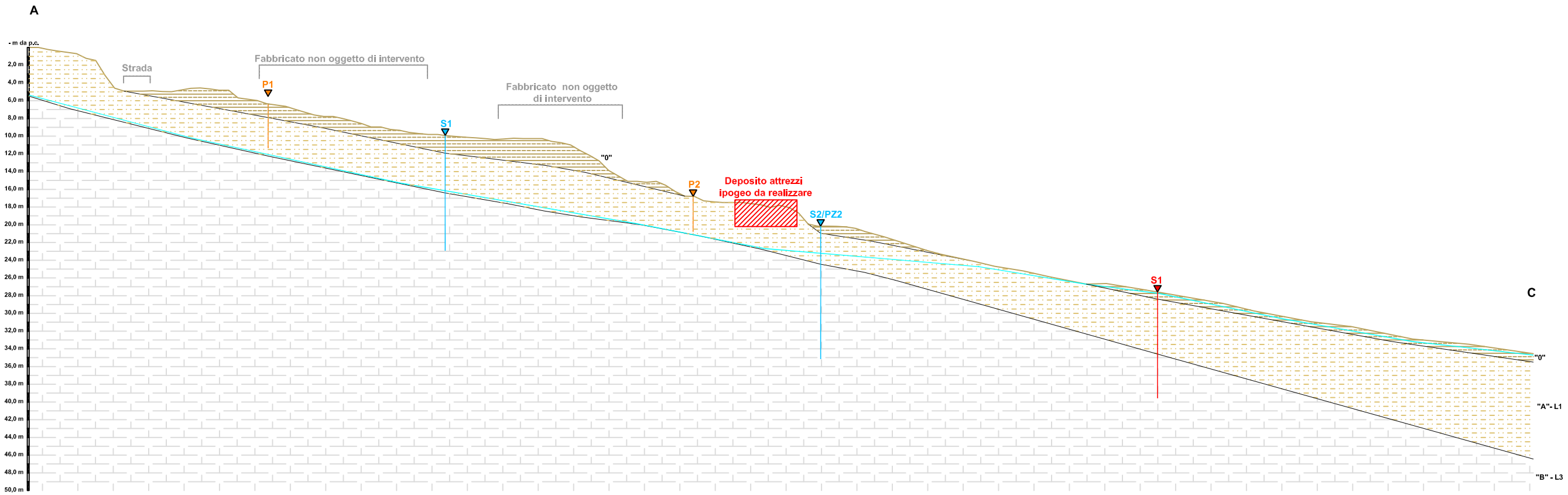
Cautelativamente, a quest'ultimo cono stati attribuiti valori geotecnici minimi, ovvero quelli rilevati al Campione 1 di Allagosta e riportati nell'immagine sottostante:

Nr.	DB	Peso unità di volume (kN/m³)	Peso unità di volume saturo (kN/m³)	Coesione (kN/m²)	Coesione non drenata (kN/m²)	Angolo resistenza al taglio picco (°)	Angolo resistenza al taglio residuo (°)	Permeabilità (m/s)	Dati aggiuntivi ...	Texture ...	Descrizione
1		18,5	18,5	0		21		Permeabile			O
2		19	19	15		24		Permeabile			A
3		21	21	140		27		Impermeabile			B
								Impermeabile			

Fig.2: Parametri geotecnici utilizzati nelle verifiche di stabilità.

SEZIONE LITOSTRATIGRAFICA LOTTO 2

scala 1:500



ORIZZONTE "0" - Copertura vegetale limo argillosa e/o terreno rimaneggiato limo argilloso e sabbioso da giallo ocra a color bruno

ORIZZONTE "A" - Limo argilloso compatto, talora sabbioso, con concrezioni nere di fe/Mn, di color marrone arancionato con talora inclusi trovanti di marne

ORIZZONTE "B" - Substrato compatto, costituito da calcari da poco a fratturati di colore grigio, alternati talora a livelletti argillitici foliettati di colore grigio alterati

- Sondaggio a carotaggio continuo (S1 attrezzato per indagine sismica in foro Down-Hole, S2 attrezzato con piezometro)
- Prova penetrometrica dinamica super pesante - P
- Superficie piezometrica
- Sondaggio a carotaggio continuo di correlazione effettuato per il progetto di realizzazione della palestra (anno 2023)

2C.I – VERIFICHE DI STABILITÀ

Nel caso in esame è stata effettuata l'analisi di stabilità oggetto di intervento lungo le **sezioni AB e AC** rispettivamente per la verifica dell'intervento di cui al lotto 1 e lotto 2.

Tale verifica è stata condotta in base all'Approccio 1, Combinazione 2 (A2+M2+R2), assumendo per R2 un γr pari a 1,1.

Il fattore di sicurezza da tenere in considerazione per effettuare questa verifica è il seguente:

$$Fs = \frac{\tau_s / R2}{\tau_m} \equiv \frac{Rd}{Ed}$$

indicando con τs la "resistenza al taglio disponibile valutata con i parametri ridotti (M2)" e con τm lo "sforzo di taglio mobilitato lungo la superficie di scorrimento (effettiva o potenziale) (A2)".

Le condizioni minime di stabilità si hanno per valori di γr pari a 1,1, ossia con:

$$Fs \equiv \frac{Rd}{Ed} \geq 1{,}1$$

Con l'ausilio del software "*Slope*" della Geostru sono state effettuate le verifiche di stabilità del versante interessato dall'intervento allo stato attuale ed allo stato di progetto in condizioni di lungo termine sia statiche che dinamiche.

Le verifiche sono state eseguite utilizzando il metodo dell'equilibrio limite di **Bishop** semplificato lungo la sezione topografica ricavata dal rilievo Lidar affinato con rilievi di dettaglio; in particolare sono state effettuate nello stato attuale e nello stato modificato.

E' stata considerata una circolazione idrica (non rilevata nella realtà) tra la copertura superficiale ("A") e la porzione di alterazione del substrato ("B"), che più a valle arriva a coincidere con la superficie topografica.

Nello stato modificato per il fabbricato ricostruito è inserito un carico di 1,0 Kg/cmq, contro gli 0,5 Kg/cmq di quello attuale, come per gli altri edifici lungo la sezione AC.

Di seguito sono riportate le immagini delle verifiche effettuate; nel titolo sono riassunte le condizioni di analisi e al termine, verranno commentate tutte le verifiche effettuate: Per prima vengono esposte le verifiche lungo la sezione AB

I relativi tabulati di calcolo sono riportati negli allegati 2 e 3.

Le colorazioni delle superfici individuate seguono la legenda sottostante e generalmente nelle immagini sotto-riportate sono rappresentate le superfici più critiche (tra 0 e 1,1 e tra 1,1 in rosso e 1,2 in azzurro).



Fig. 3: Legenda colori del FS delle superfici di scivolamento.

Lotto 1

Sez. AB - Stato attuale – condizioni statiche

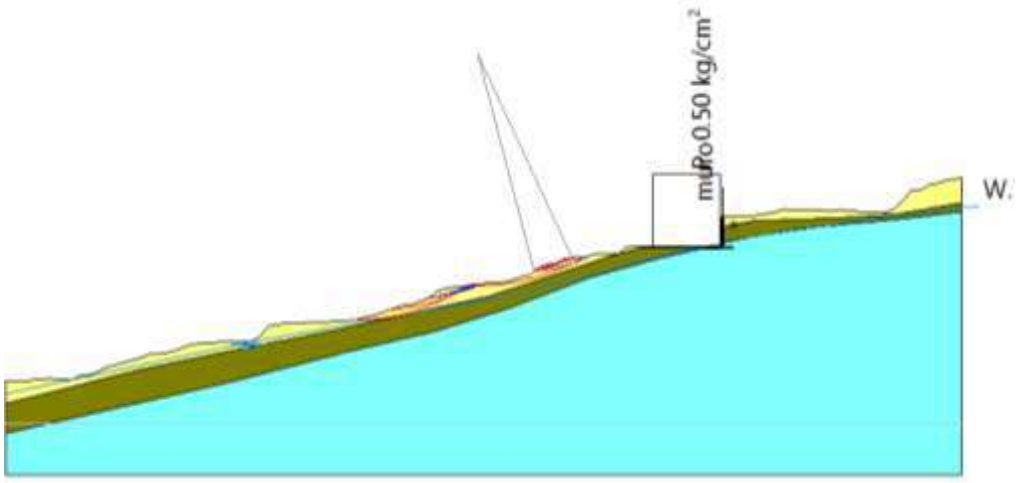


Fig.4: Verifica di stabilità del versante con indicate le superfici di scorrimento
con Fs tra 0 e 1,1 e 1,1 e 1,2, tra quelle calcolate→ **FS= 0,89 - 4 superfici sotto 1,1.**

Sez. AB - Stato attuale – condizioni dinamiche

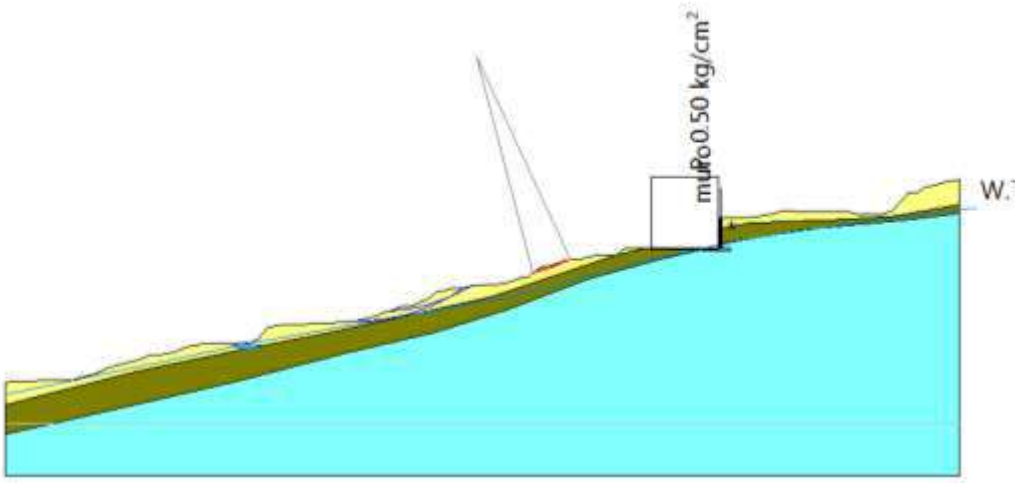


Fig.5: Verifica di stabilità del versante con indicate superficie di scorrimento
con Fs minimo tra quelle calcolate→ **FS= 1,11**

Sez. AB - Stato modificato – condizioni statiche

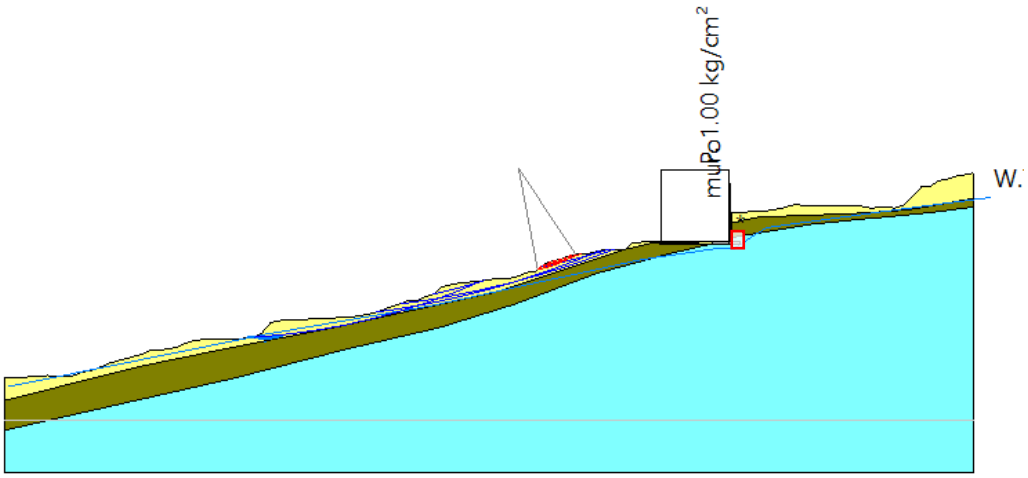


Fig.6: Verifica di stabilità del versante con indicate superficie di scorrimento con Fs minimo tra quelle calcolate → **FS= 0,82 - 1 sola superficie sotto 1,1.** Il riquadro rosso rappresenta il drenaggio per impedire alle eventuali acque di risalire ad una quota superiore a -1 m. da p.c..

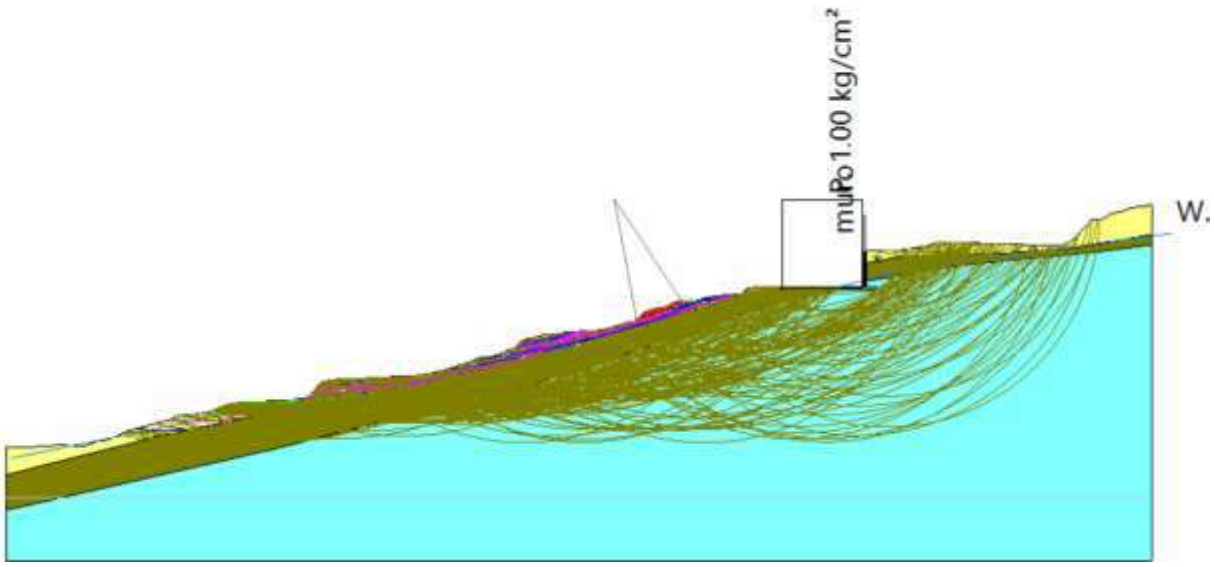


Fig.7: Verifica di stabilità del versante con indicate tutte le superfici calcolate. Da notare come sia netta la prevalenza di superfici di scivolamento con FS> di 2 e comunque al di sopra di FS pari a 1,2. Le superfici instabili sono relative solamente all'orizzonte principale, lontano da avere interferenze con le strutture in progetto.

Sez. AB - Stato modificato – condizioni dinamiche

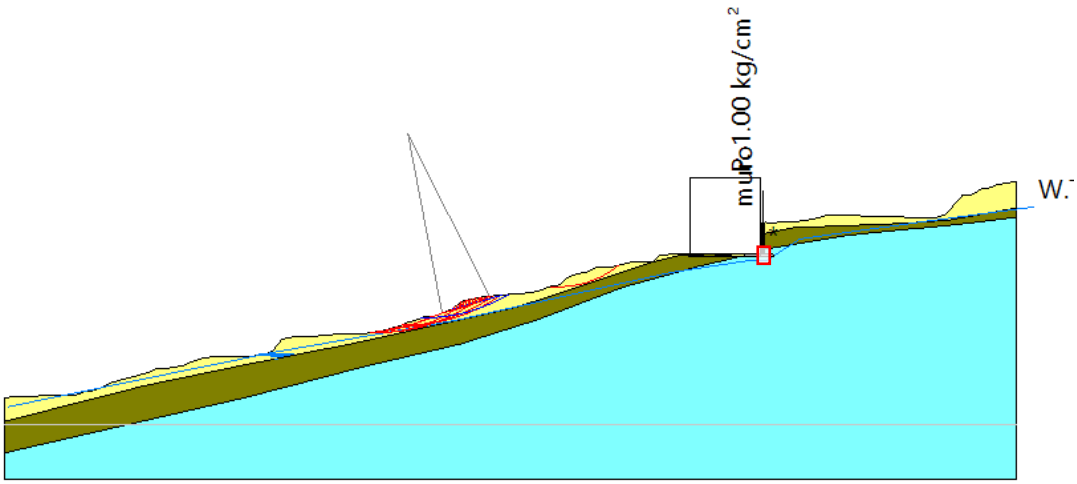


Fig.8: Verifica di stabilità del versante con indicate superficie di scorrimento con Fs minimo tra quelle calcolate → **FS= 0,94.** Il riquadro rosso rappresenta il drenaggio per impedire alle eventuali acque di risalire ad una quota superiore a -1 m. da p.c..

Commento alle verifiche di stabilità sezione AB

Le verifiche effettuate considerando la falda prossima al piano campagna nella parte bassa del versante, mostrano alcune superfici di scivolamento instabili. Tuttavia è necessario evidenziare che le superfici individuate rappresentano superfici con profondità massima di un metro e sviluppo inferiore a 10 metri e interessanti solamente l'orizzonte superficiale corrispondente al suolo agrario e soggetto a lavorazioni agricole come evidenziato da Allagosta nella documentazione prodotta a supporto del progetto della palestra.

Da notare come sia netta la prevalenza di superfici di scivolamento con FS> di 2 e comunque al di sopra di FS pari a 1,2. Le superfici instabili sono relative solamente all'orizzonte principale, lontane da avere interferenze con le strutture in progetto e soprattutto il modello non tiene conto degli apparati radicali della vegetazione che conferiscono un maggiore stabilità ai terreni superficiali. Questa situazione appare ragionevole in virtù del fatto che i rilievi effettuati non hanno evidenziato la presenza di segni di cinematismi e dissesti a qualsiasi scala.

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Negli interventi in progetto, al di sotto dei quali non è mai stata rilevata presenza di falda, nel modello è stata inserita quest'ultima, al di sopra del contatto con il substrato ed è stata prevista, come opera di mitigazione la realizzazione di un drenaggio profondo da realizzarsi sotto il piano di posa della fondazione in modo da garantire l'assenza di falda immediatamente sotto la struttura e mantenere le condizioni di stabilità attuali.

La figura sottostante rappresenta schematicamente il drenaggio previsto.

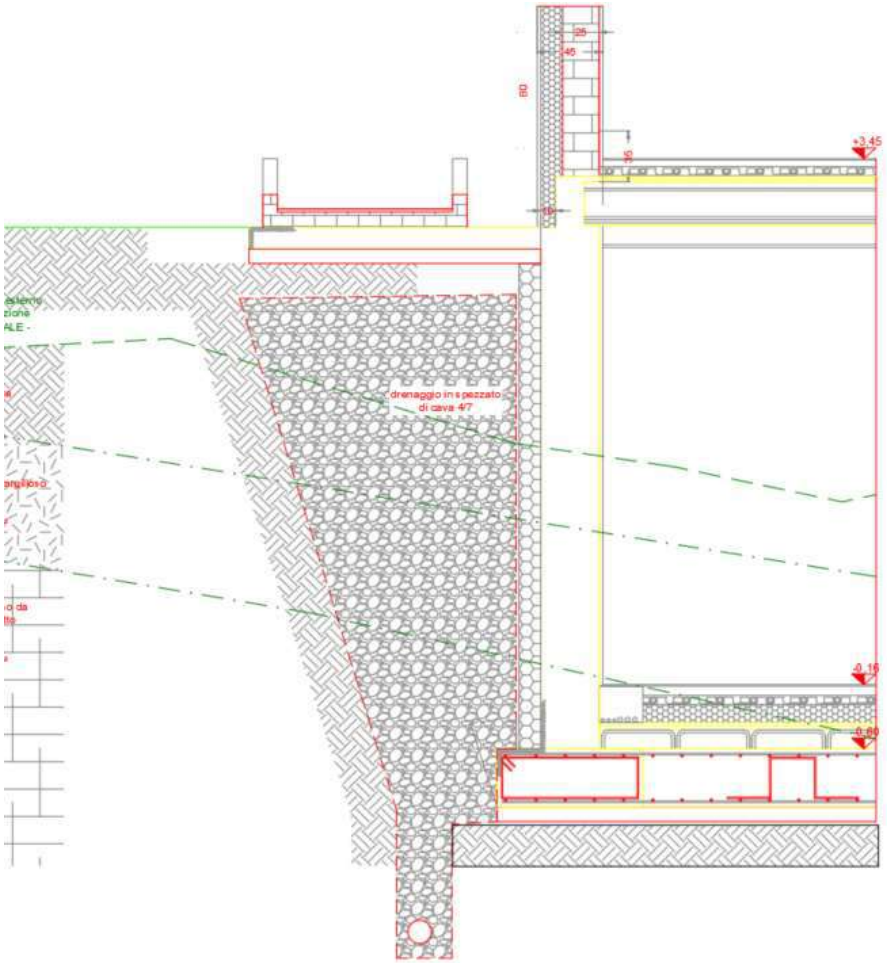


Fig.9: Schema del drenaggio al di sotto del fabbricato da demolire e ricostruire.

Le acque meteoriche intercettate e le eventuali acque sotterranee, verranno convogliate all'interno del sistema di drenaggio esistente, come riportato nello schema di fig. 15 sottostante.

Con questa opera di mitigazione sarà assicurata la stabilità globale. Ribadiamo che nella parte di monte non è mai stata rilevata acqua di falda.

Alla luce dei risultati ottenuti dalla modellazione è possibile affermare che la realizzazione del nuovo fabbricato con le opere di mitigazione previste, non comporterà alcuna modifica della situazione di stabilità globale del versante.

Lotto 2

La sezione AC rappresenta il modello geologico ricavato alla luce degli ulteriori approfondimenti richiesti.

Il sondaggio S2-Pz non ha mai rilevato la presenza di falda nel corso di quasi un anno di monitoraggio, tuttavia, le conoscenze affermano che a valle di questo intervento si verificano delle emergenze occasionali per cui la falda è prossima al piano campagna. Ne consegue che

una modellazione cautelativa, necessariamente deve ipotizzare la presenza di scorrimenti idrici almeno in occasione dei massimi periodi di piovosità, pertanto è stata inserita una falda circa coincidente con il piano campagna, laddove le pendenze sono inferiori ed è cartografata la presenza di depositi villafranchiani a valle del locale ipogeo. In corrispondenza di quest'ultimo la falda si troverà al massimo, non superiore al metro da p.c., condizione in cui sono state effettuate le verifiche di stabilità. Relativamente alla porzione di versante a monte del locale ipogeo la falda si approfondisce fino a scorrere solamente al tetto del substrato (condizione mai verificata e quindi cautelativa).

Sez. AC - Stato attuale – condizioni statiche

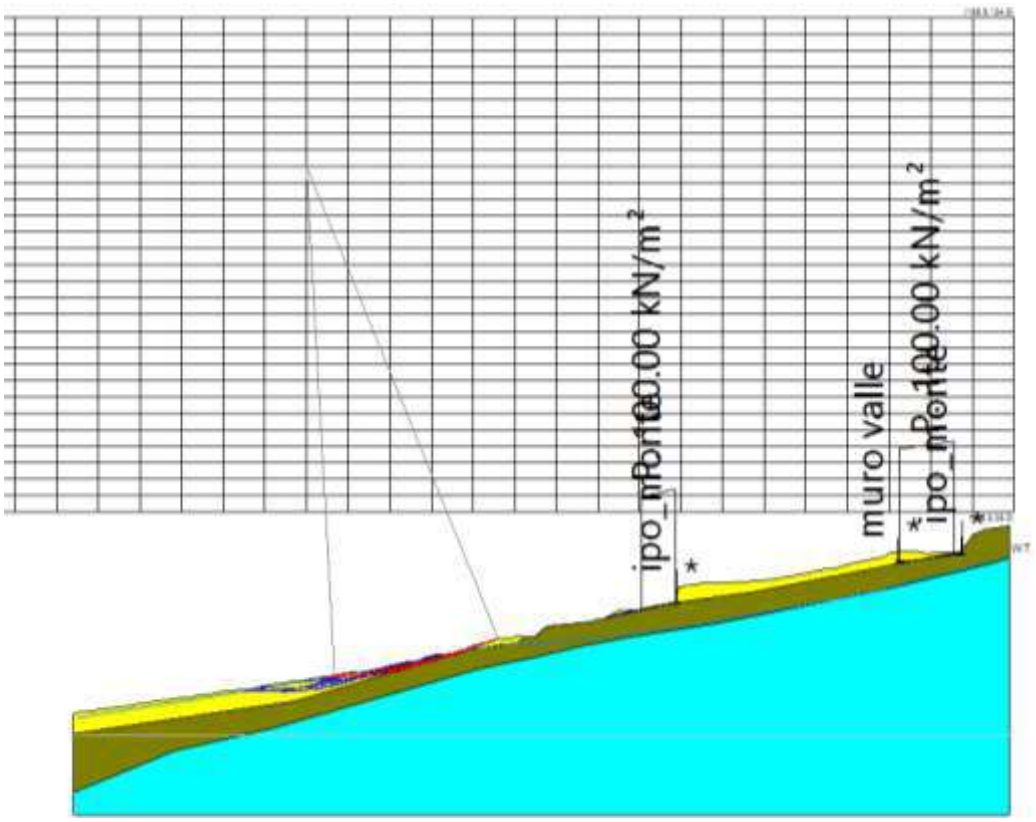


Fig.10: Verifica di stabilità del versante con indicate le superfici di scorrimento con Fs tra 0 e 1,1 e 1,1 e 1,2, tra quelle calcolate→ **FS= 0,95 - 4 superfici sotto 1,1.**

Sez. AC - Stato attuale – condizioni dinamiche

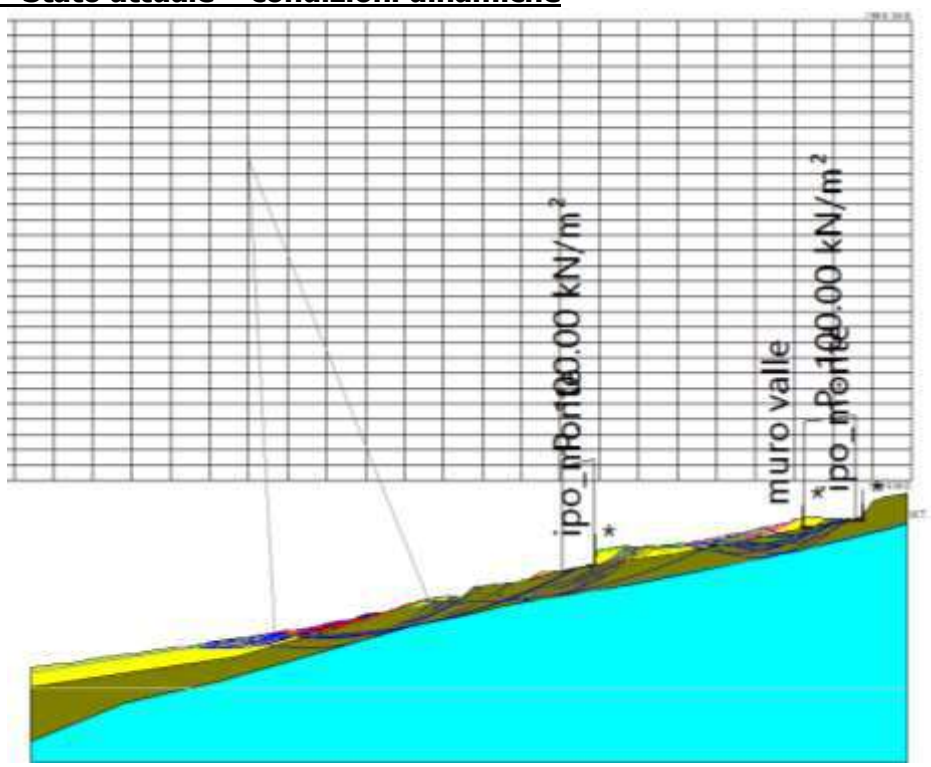


Fig.11: Verifica di stabilità del versante con indicate superficie di scorrimento con Fs minimo tra quelle calcolate→ **FS= 0,97 - 5 superfici sotto 1,1.**

Sez. AC - Stato modificato – condizioni statiche

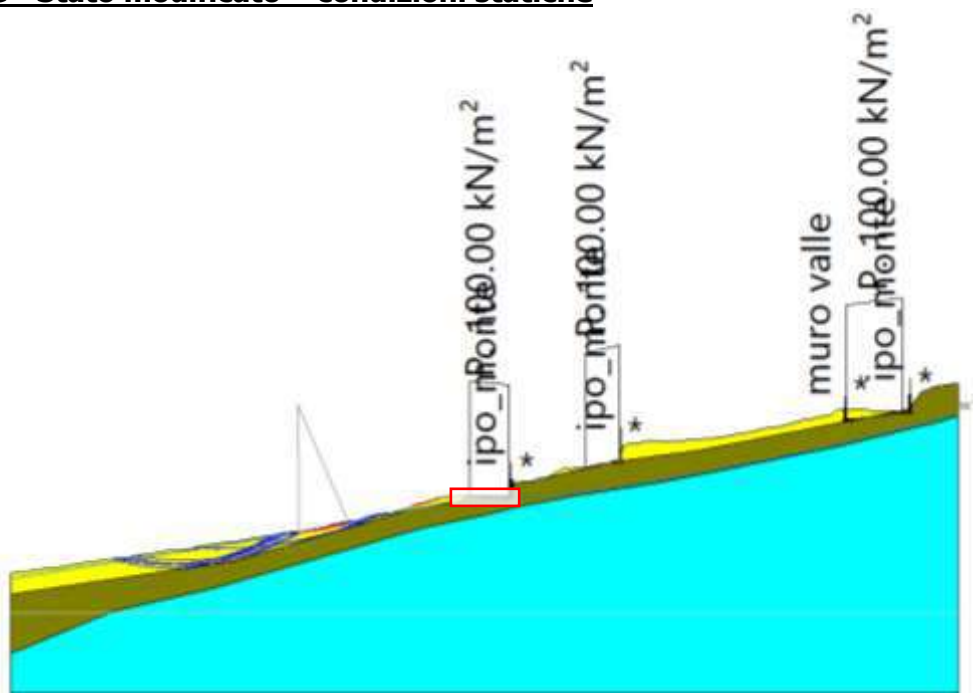


Fig.12: Verifica di stabilità del versante con indicate superficie di scorrimento con Fs minimo tra quelle calcolate → **FS= 0,87 - 1 sola superficie sotto 1,1.** Il riquadro rosso rappresenta il drenaggio per impedire alle eventuali acque di risalire ad una quota superiore a -1 m. da p.c..

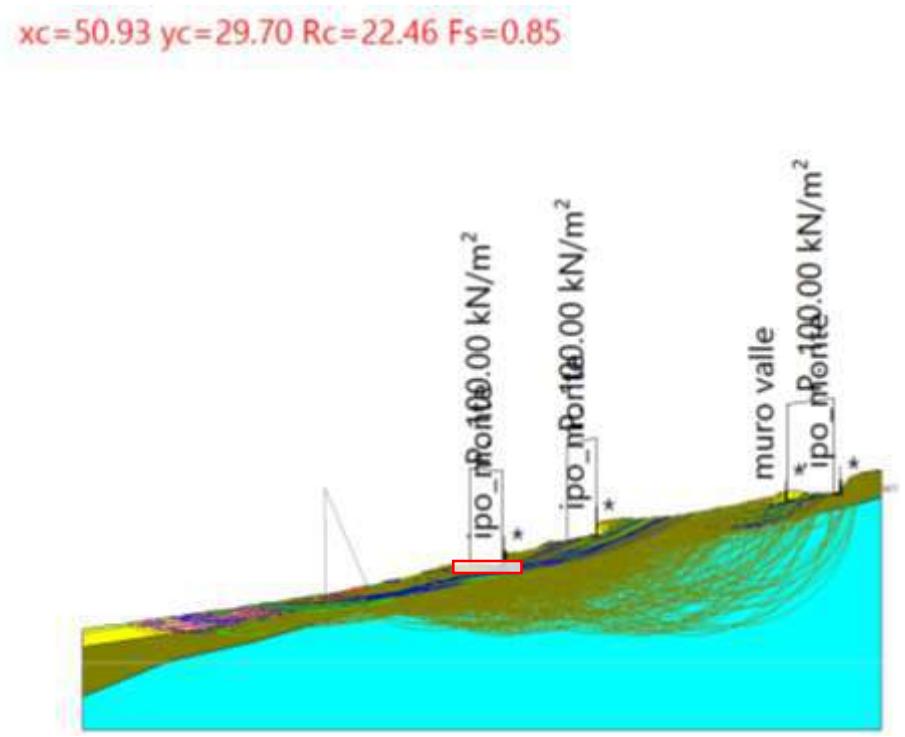


Fig.13: Verifica di stabilità del versante con indicate tutte le superfici calcolate. Da notare come sia netta la prevalenza di superfici di scivolamento con FS> di 2 e comunque al di sopra di FS pari a 1,2. Le superfici instabili sono relative solamente all'orizzonte superficiale, lontano da avere interferenze con le strutture in progetto e di dimensioni (estensione e profondità assimilabile ad uno scivolamento della porzione del suolo, ovvero non un corpo franoso). Il riquadro rosso rappresenta il drenaggio per impedire alle eventuali acque di risalire ad una quota superiore a -1 m. da p.c..

Sez. AC - Stato modificato – condizioni dinamiche

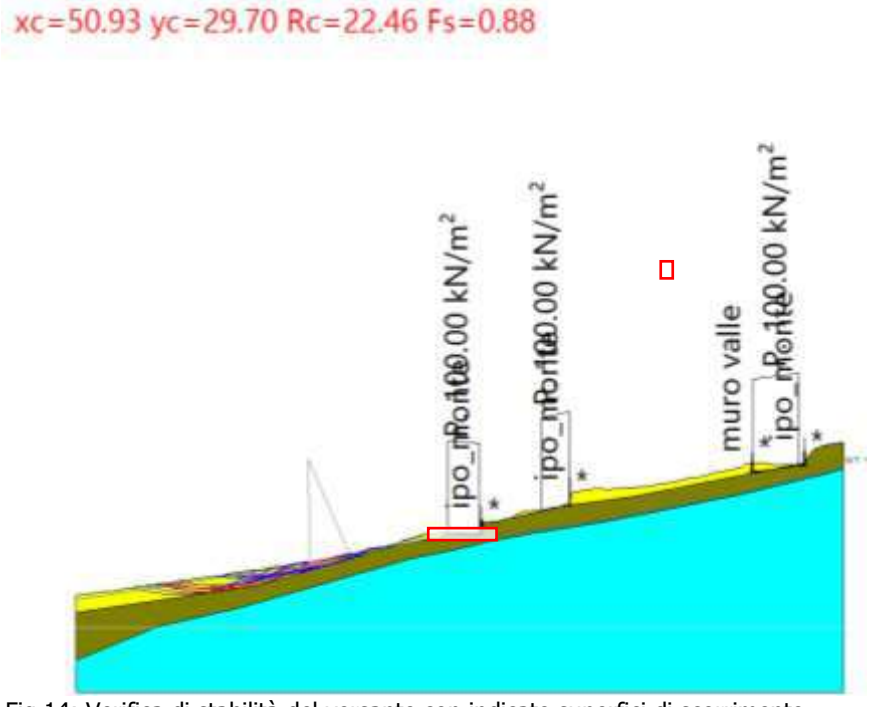


Fig.14: Verifica di stabilità del versante con indicate superfici di scorrimento con Fs minimo tra quelle calcolate → **FS= 0,88.** Il riquadro rosso rappresenta il drenaggio per impedire alle eventuali acque di risalire ad una quota superiore a -1 m. da p.c..

Commento alle verifiche di stabilità sezione AC

Le verifiche effettuate con la falda prossima al piano campagna nella parte bassa del versante, mostrano alcune superfici di scivolamento instabili. Tuttavia è necessario evidenziare che le superfici individuate rappresentano superfici con profondità massima di un metro e sviluppo inferiore a 10 metri e interessanti solamente l'orizzonte superficiale corrispondente al suolo agrario e soggetto a lavorazioni agricole come evidenziato da Allagosta nella documentazione prodotta a supporto del progetto della palestra.

Negli interventi in progetto, al di sotto dei quali non è mai stata rilevata presenza di falda, nel modello è stata inserita quest'ultima, al di sopra del contatto con il substrato ed è stata prevista, come opera di mitigazione, la realizzazione di un drenaggio profondo almeno 1 metro da piano di posa della fondazione che circondi interamente il locale ipogeo di progetto. Con questo accorgimento si avrà la garanzia di impedire una risalita della falda sopra la base del drenaggio, garantendo la stabilità dell'opera a lungo termine. Il drenaggio andrà a convogliare le acque eventualmente intercettate nel sistema di regimazione esistente (fig. 15).

Relativamente alle porzioni più basse del versante, la stabilità sarà garantita dalle opere di drenaggio esistenti ed in progetto (palestra); pertanto è possibile affermare che entrambi gli interventi sono compatibili con lo stato dei luoghi, ribadendo che al di sotto dei due edifici in progetto non è mai stata rilevata acqua di falda.

Alla luce delle analisi effettuate non sono emerse situazioni di instabilità significative e ad ogni modo la stabilità sarà garantita dei drenaggi previsti, quali opere di mitigazione che impediranno alla falda di salire e andare a rischiare di destabilizzare le aree di intervento.

2D – PUNTO 4 – SCHEMA REGIMAZIONE DELLE ACQUE

Per quanto riguarda la regimazione delle acque meteoriche impattanti sulle nuove superfici impermeabili (Lotto 1 e Lotto 2), queste verranno collegate alla rete esistente da ripristinare individuata negli studi allegati al progetto per la realizzazione della palestra.

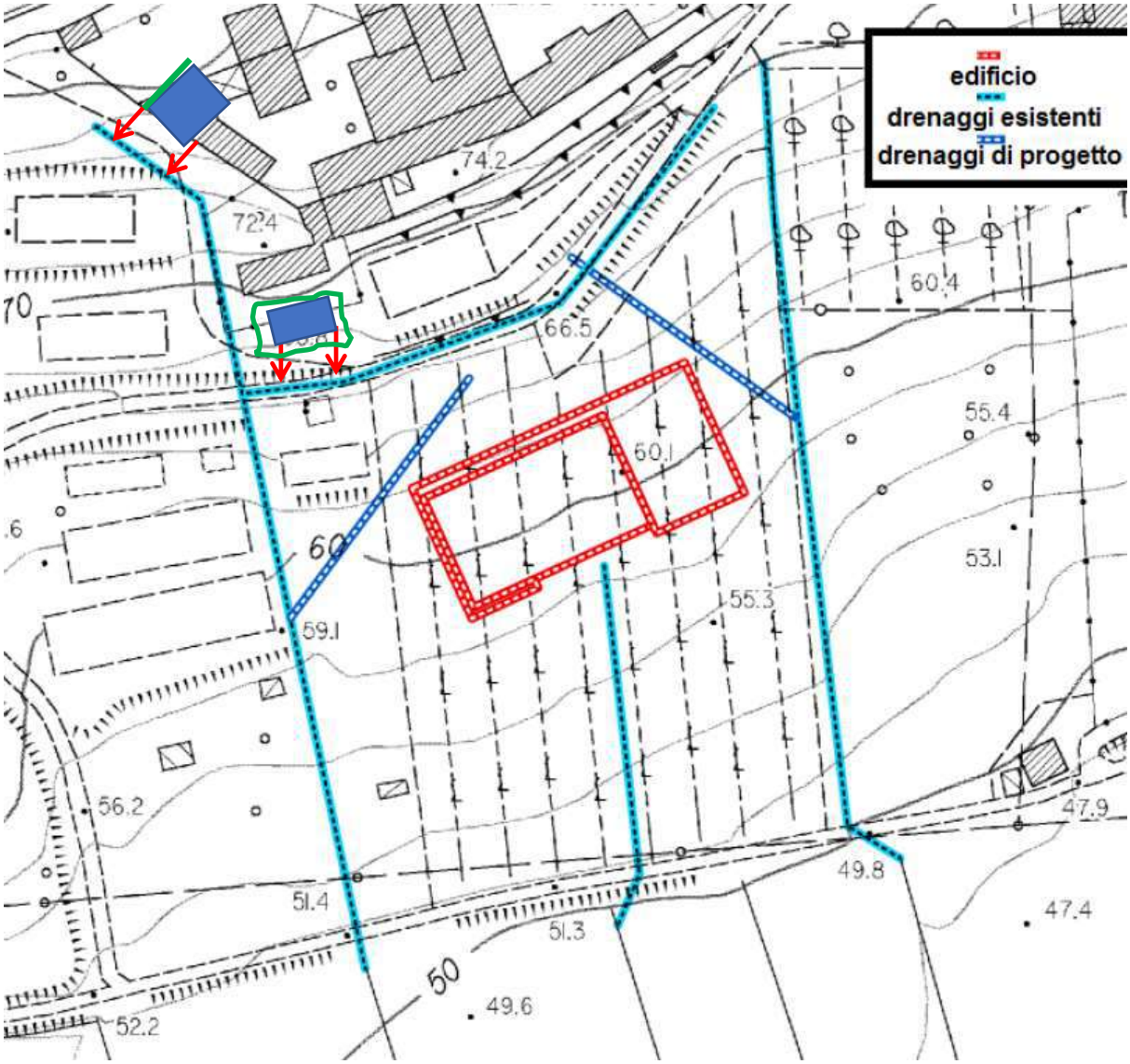


Fig.15: rete di drenaggio esistente e di progetto (palestra), con indicati in blu gli edifici in i cui deflussi superficiali (frecce rosse), e sotterranei (linee verdi) verranno convogliati nella rete esistente di cui dovrà essere ripristinata l'efficienza.

2E – PUNTO 5 – PAI E OPERE DI MITIGAZIONE

La nuova perimetrazione dell'area in frana colloca entrambi gli interventi in progetto all'interno dell'art. 13 delle norme del PAI vigente (cfr. immagine sottostante con nuova perimetrazione in arancione), in quanto l'ubicazione dei due interventi rientra nella fascia di rispetto della frana cartografata.

In particolare il comma di riferimento per entrambi gli interventi è il n. 6 sotto riportato:

"…6. Ai fini dell'applicazione dei precedenti commi 3, 4 e 5, le nuove utilizzazioni dei suoli e la realizzazione di nuove opere ed infrastrutture pubbliche o di interesse pubblico, riferite a servizi essenziali, nonché di nuovi fabbricati, sono subordinati a:

a. indagine geologica, geotecnica, sismica e/o idraulica, redatta da tecnico abilitato, estesa all'intera area di trasformazione e ad un ambito territoriale geomorfologicamente significativo, atta a:

- accertare la sussistenza di caratteristiche geologiche, geomorfologiche, idrogeologiche, geotecniche e sismiche dell'area tali da consentire l'attuazione degli interventi senza recare pregiudizio alla stabilità del versante e senza aggravare la vulnerabilità del limitrofo patrimonio edilizio esistente;

- valutare la stabilità complessiva del versante, anche in relazione ad una possibile evoluzione del movimento franoso;

b. individuazione e contestuale realizzazione di adeguate opere di mitigazione locale del rischio in relazione alla stabilità del versante;

c. parere favorevole vincolante dell'Autorità di bacino. …".

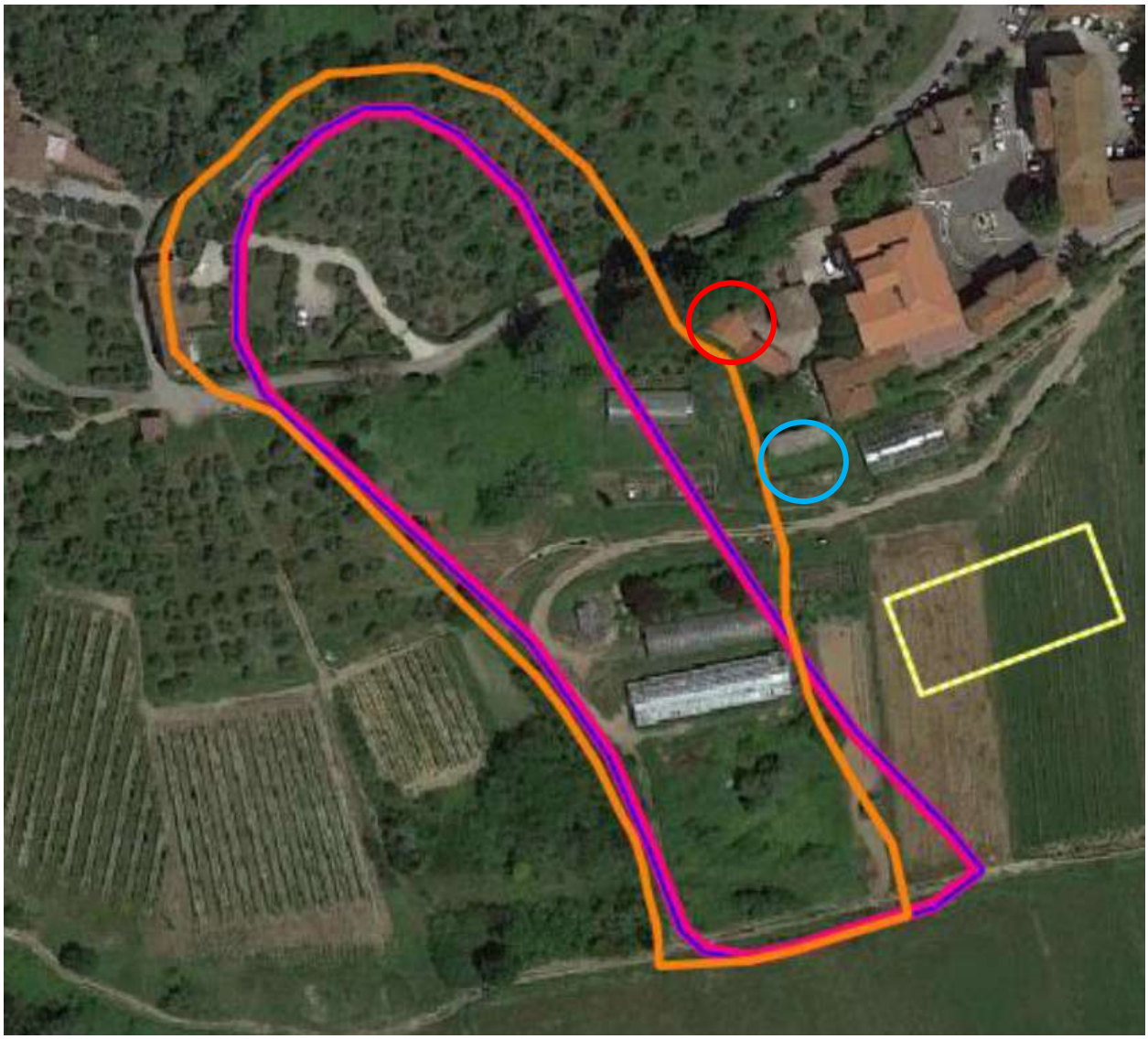


Fig.16: In arancione è rappresentata la nuova perimetrazione della frana quiescente. in fucsia la vecchia perimetrazione ed in giallo l'ingombro della palestra.
Mentre nei cerchi **blu** e **rosso** sono indicati rispettivamente il locale ipogeo come ricovero attrezzi e la struttura da demolire e ricostruire da adibire a laboratorio didattico.

Nel presente documento riteniamo di aver ottemperato ad un numero sufficiente di indagini geognostiche e geofisiche in grado di fornire conoscenze, di effettuare una modellazione del sottosuolo molto attinente con la realtà.

Le verifiche di stabilità hanno mostrato superfici di scivolamento instabili solamente a valle degli interventi, in concomitanza con la falda prossima a piano campagna, situazione che è in progetto di essere migliorata con la realizzazione della palestra.

Sono state previste adeguate opere di mitigazione (drenaggi) che assicureranno che l'eventuale falda risalga oltre la quota di circa 1,0 m. da p.c. rischiando di andare a destabilizzare l'area.

Dott. Geologo Roberto Maggiore
n.1666 Ord.Reg.Toscano

ALLEGATI

ALL.1 – RELAZIONE GEOLOGICA PER VARIANTE

ALL.2A – SEZ. A-B VERIFICHE DI STABILITÀ ALLO STATO ATTUALE IN CONDIZIONI STATICHE E DRENATE;

ALL.2B – SEZ. A-B VERIFICHE DI STABILITÀ ALLO STATO ATTUALE IN CONDIZIONI DINAMICHE E DRENATE;

ALL.2D – SEZ. A-B VERIFICHE DI STABILITÀ ALLO STATO DI PROGETTO IN CONDIZIONI STATICHE E DRENATE;

ALL.2D – SEZ. A-B VERIFICHE DI STABILITÀ ALLO STATO DI PROGETTO IN CONDIZIONI DINAMICHE E DRENATE.

ALL.3A – SEZ. A-C VERIFICHE DI STABILITÀ ALLO STATO ATTUALE IN CONDIZIONI STATICHE E DRENATE;

ALL.3B – SEZ. A-C VERIFICHE DI STABILITÀ ALLO STATO ATTUALE IN CONDIZIONI DINAMICHE E DRENATE;

ALL.3D – SEZ. A-C VERIFICHE DI STABILITÀ ALLO STATO DI PROGETTO IN CONDIZIONI STATICHE E DRENATE;

ALL.3D – SEZ. A-C VERIFICHE DI STABILITÀ ALLO STATO DI PROGETTO IN CONDIZIONI DINAMICHE E DRENATE.

Allegato 1

Provincia di Lucca

Comune di Lucca

OGGETTO: Integrazione alla relazione Geologica a supporto della Variante parziale al P.O.C. per il progetto di demolizione del magazzino e deposito attrezzi e ricostruzione nuovo corpo laboratori e realizzazione di nuovo deposito attrezzi ipogeo presso l'Istituto Agrario "Brancoli-Busdraghi" di Lucca (LU)

Committente: Provincia di Lucca

Palazzo Ducale – Cortile Carrara - Lucca

Dott. Geol. Roberto Maggiore
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55100, Lucca
☎ 347-4013701
e-mail: r.maggiore@geo-omnia.it
www.geo-omnia.it

Revisione	Commessa	Data	Descrizione	Redatto	Approvato
01	23102	31/07/2023	Integrazione	S. Caccavale	R. Maggiore
00	23102	30/06/2023	1^ Redazione	S. Caccavale	R. Maggiore

INDICE RELAZIONE

1 – PREMESSA 3
1A – SINTESI ED AGGIORNAMENTO DELLE CONOSCENZE 3
2 – NORME PER LA PREVENZIONE DEL RISCHIO GEOLOGICO IDRAULICO E SISMICO: CONDIZIONI DI FATTIBILITÀ DELLA VARIANTE 5

INDICE TAVOLE (in sostituzione delle precedenti)

TAV. 2A – CARTA PERICOLOSITÀ AREA DI VARIANTE – LOTTO 1 (SCALA 1:500);
TAV. 2B – CARTA PERICOLOSITÀ AREA DI VARIANTE – LOTTO 2 (SCALA 1:500);
TAV. 3A – CARTA FATTIBILITÀ AREA DI VARIANTE – LOTTO 1 (SCALA 1:500);
TAV. 3B – CARTA FATTIBILITÀ AREA DI VARIANTE – LOTTO 2 (SCALA 1:500).

1 – PREMESSA

Il presente documento viene redatto a seguito lettera dell'Autorità di Bacino dell'Appennino Settentrionale relativo al loro Prot. 6177 del 17.07.2023 e del recepimento delle valutazioni geologiche precedenti, del geologo Allagosta relativamente allo studio per un precedente progetto di realizzazione della nuova palestra (edificio scolastico). Il tutto è relativo all'incarico del sottoscritto, da parte della Provincia di Lucca, CIG 9921732841, per la parte geologica, a supporto dei progetti di: demolizione di un fabbricato attualmente destinato a magazzino e deposito attrezzi e contestuale ricostruzione di nuovo corpo da destinarsi a laboratori e realizzazione di un nuovo deposito attrezzi ipogeo, ubicati nella frazione di Mutigliano, nel Comune di Lucca (LU).

In particolare, nel prosieguo svilupperemo i chiarimenti relativi al punto 2 della lettera.

Le nuove valutazioni richieste modificano il quadro conoscitivo dell'area. Considerato che il PAI è uno strumento sovraordinato agli strumenti urbanistici comunali, d'accordo con i tecnici della provincia, è apparso ragionevole e programmatico, assegnare alle pericolosità e conseguenti fattibilità comunali, quelle che ne conseguiranno a seguito della modifica a cui si riferisce l'Autorità di Bacino.

1A – SINTESI ED AGGIORNAMENTO DELLE CONOSCENZE

L'area oggetto di variante si trova ai piedi del versante orientale della propaggine montuosa di "*Monte Castellaccio*" poco distante del fondovalle del Rio di Ribongi; un corpo franoso quiescente è stato cartografato ad ovest della zona di studio, dal rilievo di dettaglio effettuato in corrispondenza dell'area e nel suo intorno non sono emersi indizi di fenomeni di dissesto in atto, ovvero cedimenti, ristagni superficiali di acqua o altre forme di erosione alla scala del rilevamento e neppure lesioni agli edifici esistenti.

Nell'ambito degli studi a supporto del progetto per la realizzazione della nuova palestra a servizio del complesso scolastico, è stata condotta dal Geol. Allagosta, in seguito a richiesta di integrazioni da parte dell'Autorità di Bacino Distrettuale dell'Appennino Settentrionale, una valutazione approfondita dell'area in frana (Elaborato: BRANC D qg 003 R1 – Verbale 30.06.2023).

Nel corso di tale studio è stata effettuata una reinterpretazione, cautelativa, della forma del corpo della frana quiescente.

Nelle immagini riportate di seguito è possibile osservare i lotti oggetto di Variante Urbanistica (poligoni rosso e blu) ed il perimetro del corpo di frana secondo la cartografia PAI (linea viola) e secondo la proposta del Geol. Allagosta (linea arancione).

Con la nuova perimetrazione, le zone di studio (Lotto 1 e Lotto 2) pur trovandosi al di fuori del perimetro del corpo di frana, rientrano nell'area di influenza dello stesso.





Fig.1: Stralcio PAI Serchio – CTR 261100

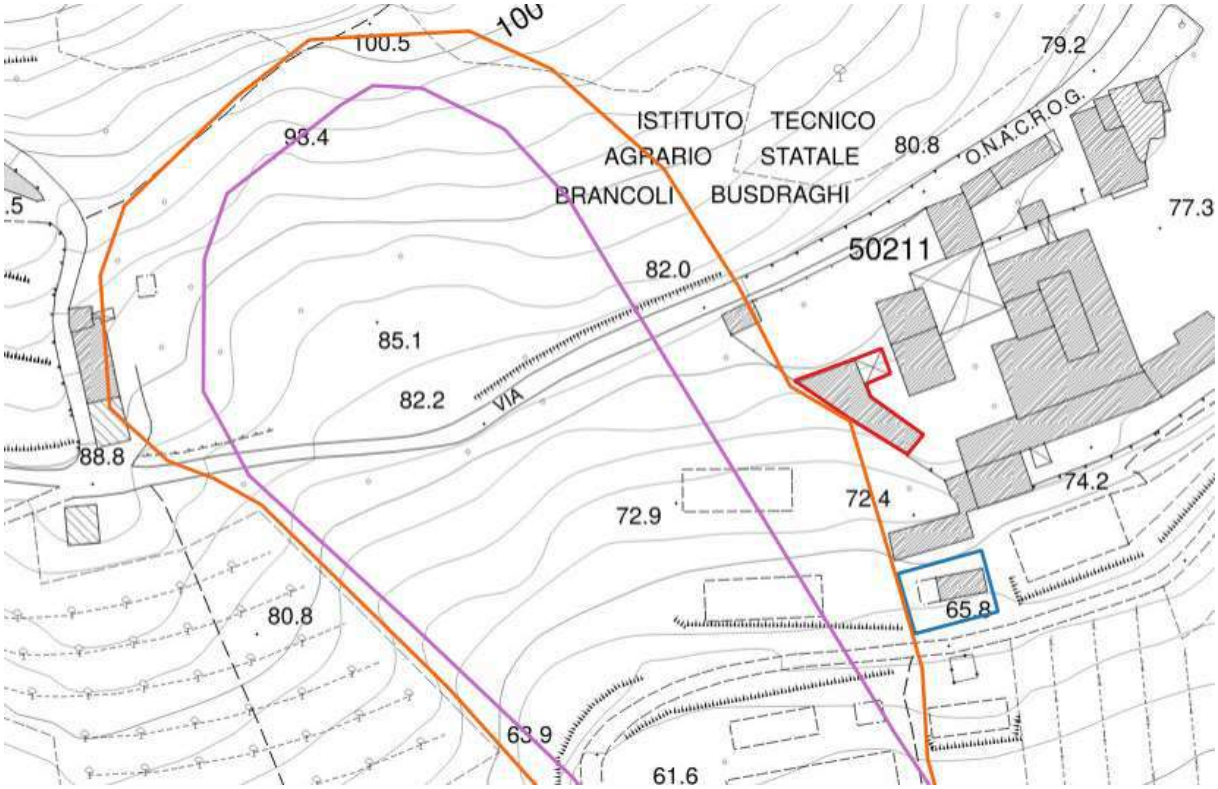


Fig.1: Aree oggetto di variante con indicati limiti corpo di frana secondo PAI e secondo nuovi studi

2 – NORME PER LA PREVENZIONE DEL RISCHIO GEOLOGICO IDRAULICO E SISMICO: CONDIZIONI DI FATTIBILITÀ DELLA VARIANTE

Gli studi di supporto alla presente Variante al Regolamento Urbanistico comunale confermano le cartografie di pericolosità allegate al P.O.C. adottato, per quanto riguarda:

– Carta dei Dati di Base

– Carta della Pericolosità Idraulica

Alla luce delle nuove valutazioni sul corpo di frana quiescente, si prevede un aggiornamento delle seguenti cartografie:

– Carta della Pericolosità Geologica

– Carta della Pericolosità Sismica

per cui entrambi i lotti di studio ricadranno in:

- **CLASSE DI PERICOLOSITA' GEOMORFOLOGICA → "G.3a" – Elevata;**
- **CLASSE DI PERICOLOSITA' SISMICA →"S.3" – Elevata.**

La fattibilità delle previsioni delle zone di Variante oggetto del presente studio possono pertanto essere individuate dalla relazione tra la classe di pericolosità geologica, idraulica e sismica e la tipologia dell'intervento secondo i seguenti schemi riassuntivi a matrice:

LOTTO 1 - demolizione e ricostruzione

INTERVENTO	PERICOLOSITÀ GEOLOGICA	PERICOLOSITÀ IDRAULICA	PERICOLOSITÀ SISMICA
	G3a	-	S3
DEMOLIZIONE E RCOSTRUZIONE CON AMPLIAMENTO>30%	F3	F1	F3

I criteri generali che è necessario rispettare sono indicati di seguito, oltre a quelli già previsti dalla pianificazione di bacino:

- **ASPETTI GEOLOGICI**: L'area ricade su pendio costituito da copertura detritica. Il progetto dell'opera è subordinato a all'esito di rilievi, indagini geognostiche e geofisiche previste dalla normativa vigente sovracomunale (DPGR 36/R/2011 e NTC 2018), tenuto altresì conto di quanto specificato al § 2.3 della Relazione generale di fattibilità geologico tecnica (Elaborato QG.I), finalizzate anche alla verifica delle effettive condizioni di stabilità nella situazione pre e post intervento. Qualora dal complesso degli approfondimenti svolti emerga la necessità di interventi di messa in sicurezza, questi devono essere tali da non pregiudicare le condizioni di stabilità delle aree adiacenti e consentire la manutenzione degli interventi stessi;

- **ASPETTI IDRAULICI**: non sono necessarie prescrizioni specifiche ai fini della valida formazione del titolo abilitativo all'attività edilizia;

- **ASPETTI SISMICI**: la caratterizzazione sismica in sede di intervento diretto farà riferimento ai dati desumibili dagli studi di supporto al PS ed al PO, opportunamente integrati dagli approfondimenti dettati dalla normativa vigente sovracomunale (DPGR 36/R/2011 e NTC 2018): dovrà inoltre accertare la frequenza di vibrazione fondamentale del terreno al fine di verificare l'eventuale insorgenza di fenomeni di doppia risonanza terreno-struttura.
  Nel caso di zone di instabilità di versante quiescente e relativa zona di evoluzione sono realizzati studi, rilievi e indagini geognostiche e geofisiche, secondo quanto definito al paragrafo 3.2.2, tenendo conto anche dell'azione sismica e in coerenza con quanto indicato nelle "Linee guida per la gestione del territorio in aree interessate da instabilità di versante sismoindotte" - FR, emanate dalla Commissione Nazionale per la Microzonazione Sismica e recepite all'interno delle specifiche tecniche regionali di cui all'o.d.p.c.m. 3907/2010.

LOTTO 2 - deposito attrezzi ipogeo

INTERVENTO	PERICOLOSITÀ GEOLOGICA	PERICOLOSITÀ IDRAULICA	PERICOLOSITÀ SISMICA
	G3a	-	S3
REALIZZAZIONE DEPOSITO ATTREZZI AGRICOLI	F3	F1	F3

I criteri generali che è necessario rispettare sono indicati di seguito, oltre a quelli già previsti dalla pianificazione di bacino:

- **ASPETTI GEOLOGICI**: L'area ricade su pendio costituito da copertura detritica. Il progetto dell'opera è subordinato a all'esito di rilievi, indagini geognostiche e geofisiche previste dalla normativa vigente sovracomunale (DPGR 36/R/2011 e NTC 2018), tenuto altresì conto di quanto specificato al § 2.3 della Relazione generale di fattibilità geologico tecnica (Elaborato QG.I), finalizzate anche alla verifica delle effettive condizioni di stabilità nella situazione pre e post intervento. Qualora dal complesso degli approfondimenti svolti emerga la necessità di interventi di messa in sicurezza, questi devono essere tali da non pregiudicare le condizioni di stabilità delle aree adiacenti e consentire la manutenzione degli interventi stessi;

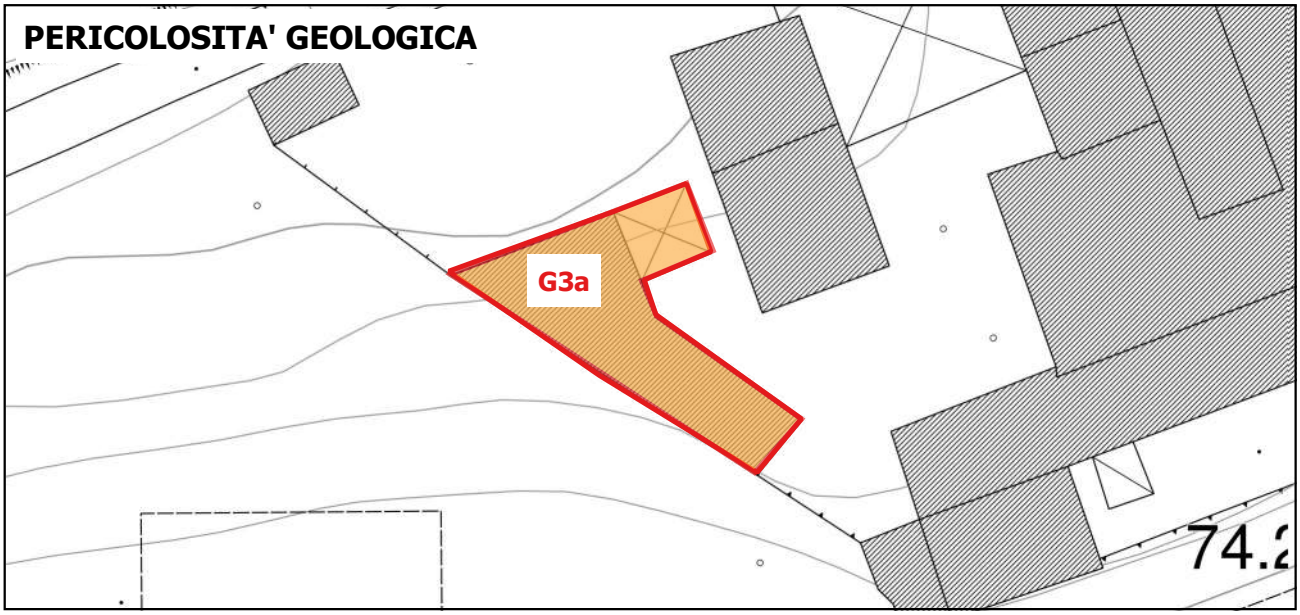
- **ASPETTI IDRAULICI**: non sono necessarie prescrizioni specifiche ai fini della valida formazione del titolo abilitativo all'attività edilizia;

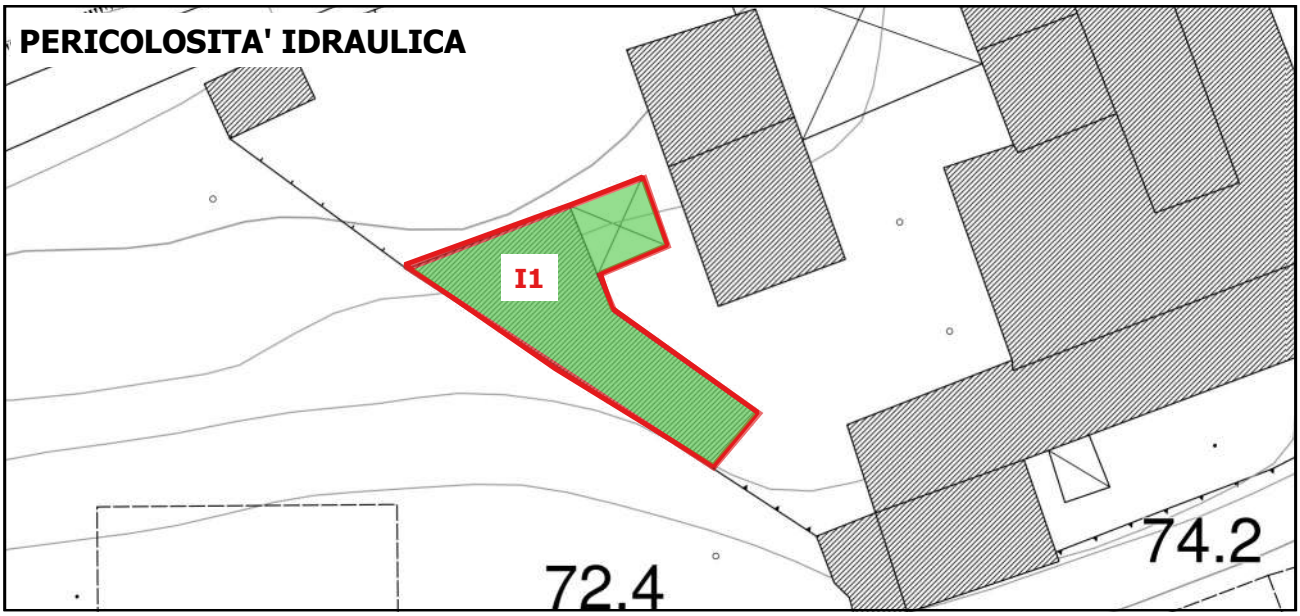
- **ASPETTI SISMICI**: la caratterizzazione sismica in sede di intervento diretto farà riferimento ai dati desumibili dagli studi di supporto al PS ed al PO, opportunamente integrati dagli approfondimenti dettati dalla normativa vigente sovracomunale (DPGR 36/R/2011 e NTC 2018): dovrà inoltre accertare la frequenza di vibrazione fondamentale del terreno al fine di verificare l'eventuale insorgenza di fenomeni di doppia risonanza terreno-struttura.
  Nel caso di zone di instabilità di versante quiescente e relativa zona di evoluzione sono realizzati studi, rilievi e indagini geognostiche e geofisiche, secondo quanto definito al paragrafo 3.2.2, tenendo conto anche dell'azione sismica e in coerenza con quanto indicato nelle "Linee guida per la gestione del territorio in aree interessate da instabilità di versante sismoindotte" - FR, emanate dalla Commissione Nazionale per la Microzonazione Sismica e recepite all'interno delle specifiche tecniche regionali di cui all'o.d.p.c.m. 3907/2010.

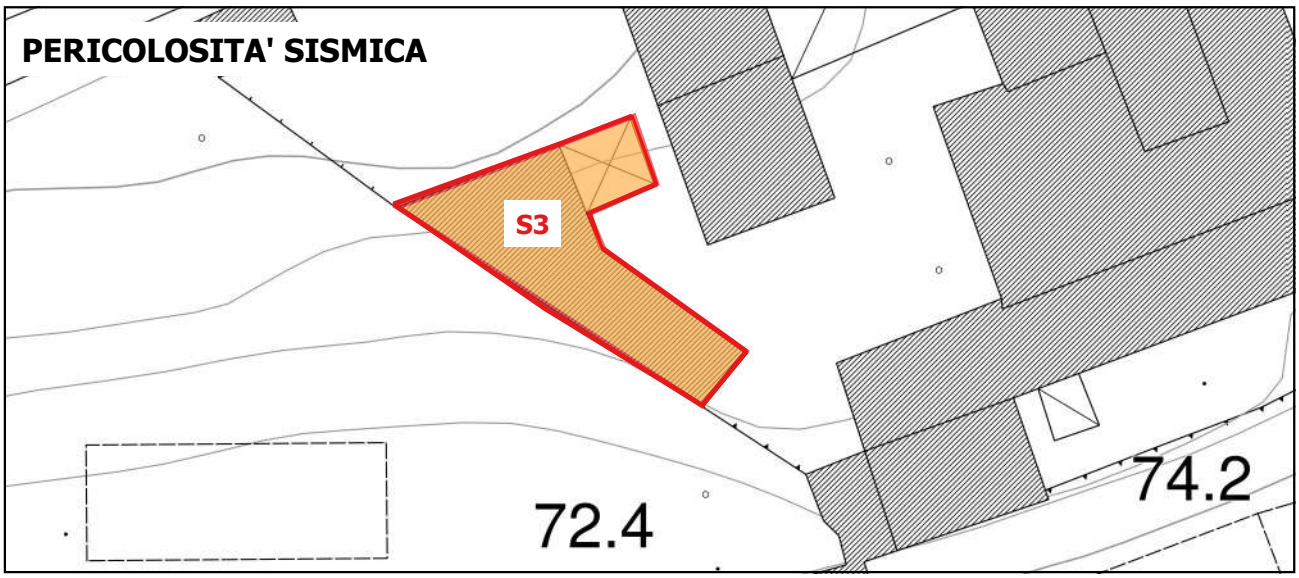
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CARTA PERICOLOSITA' AREA DI VARIANTE - LOTTO 1

scala 1:500

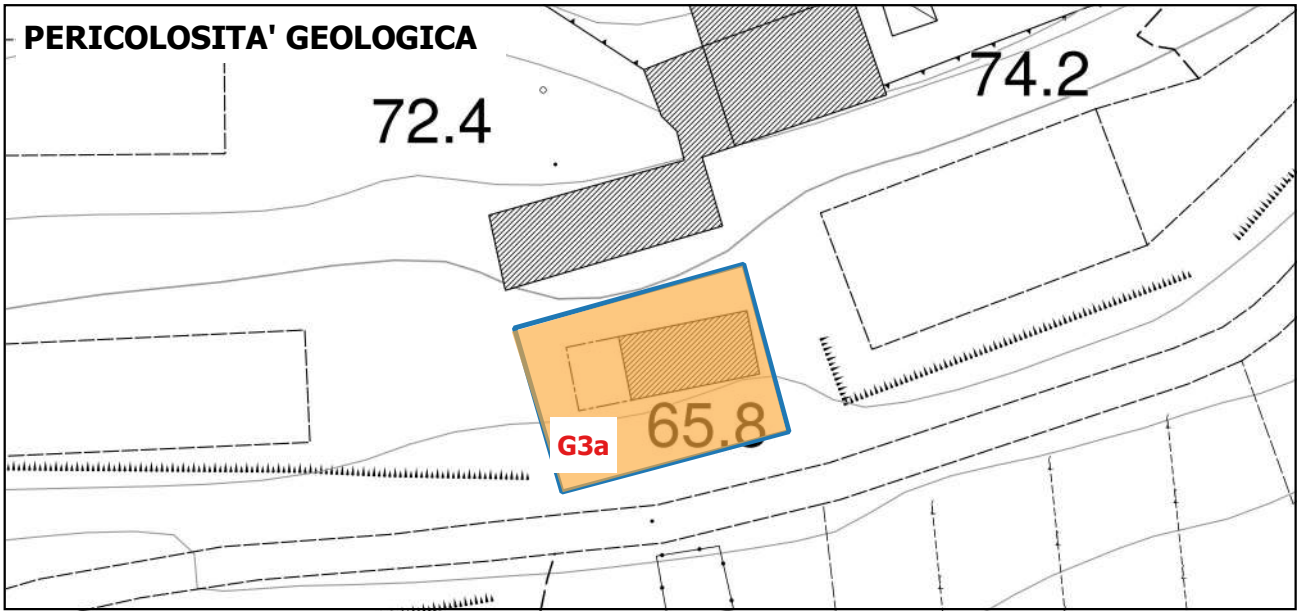


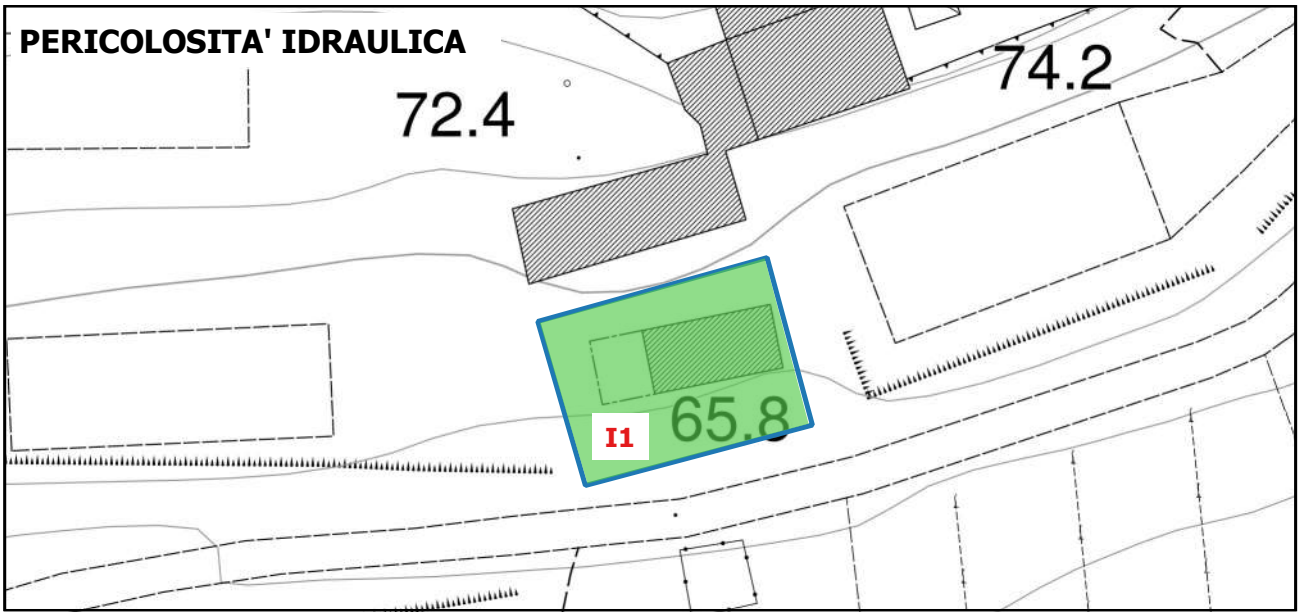


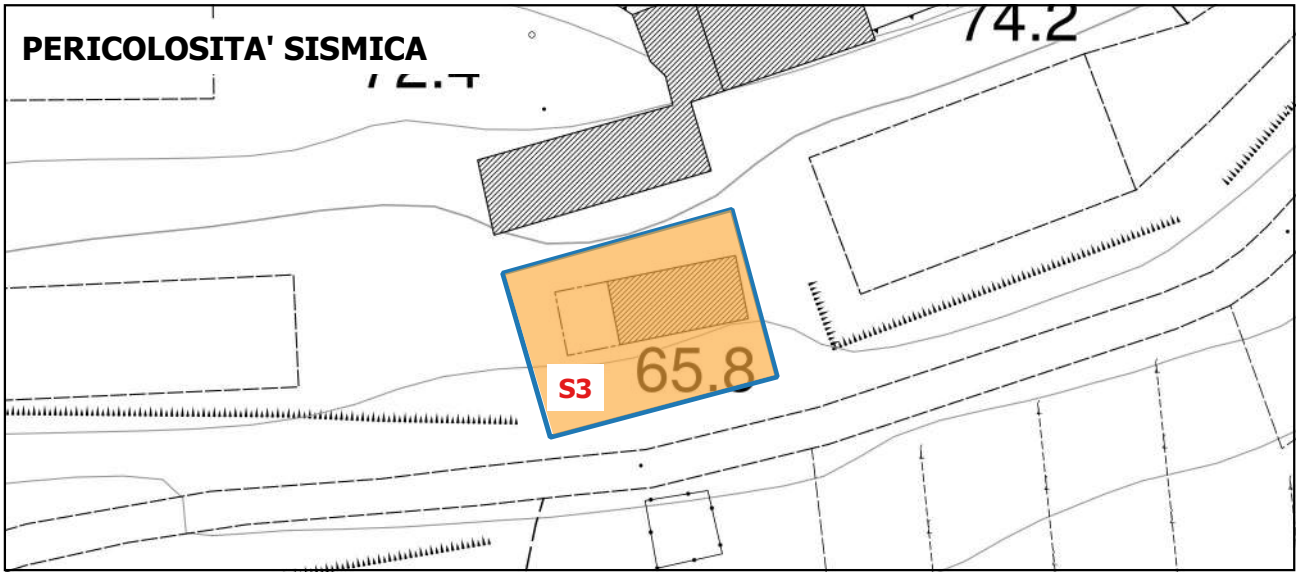


CARTA PERICOLOSITA' AREA DI VARIANTE LOTTO 2

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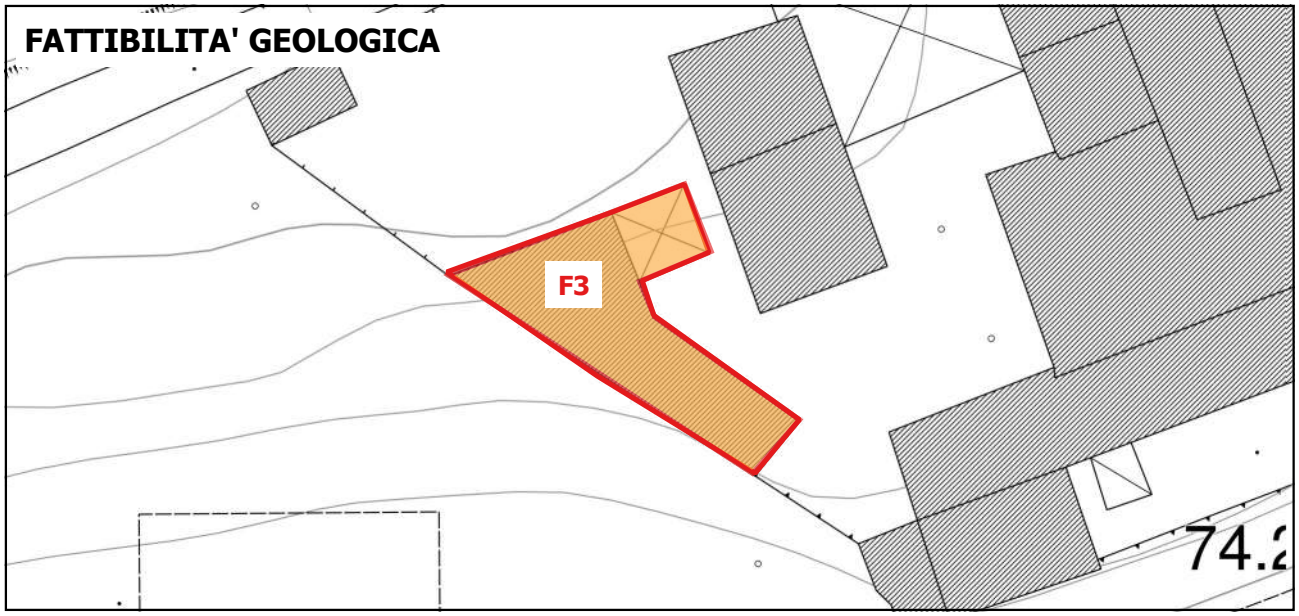


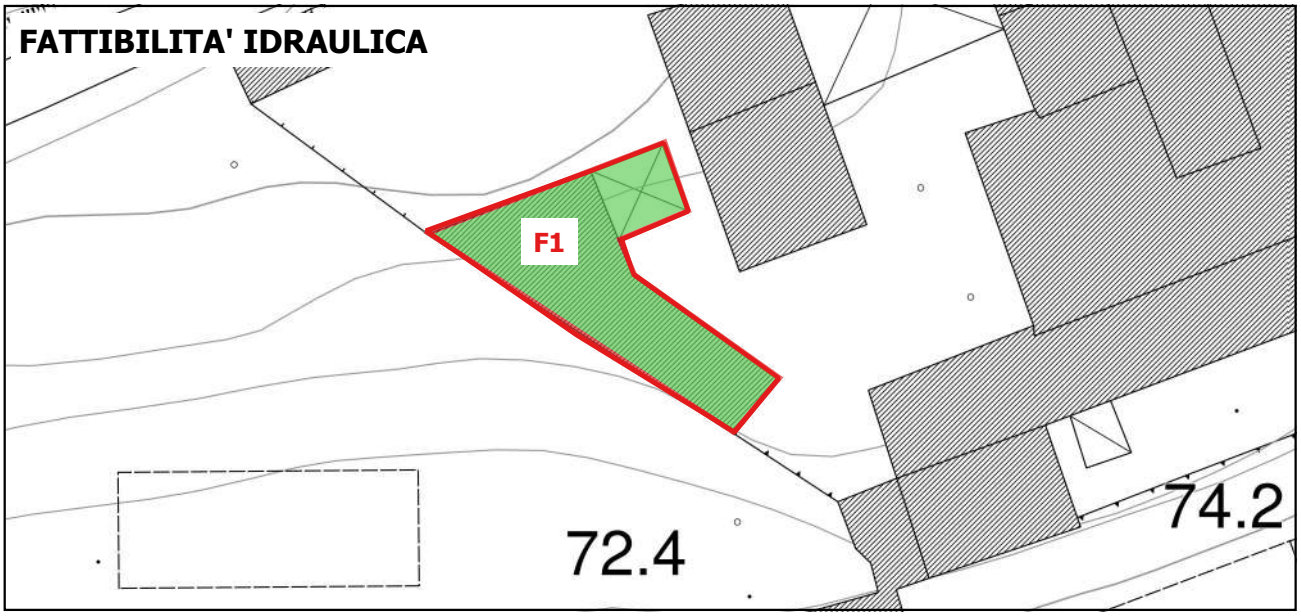


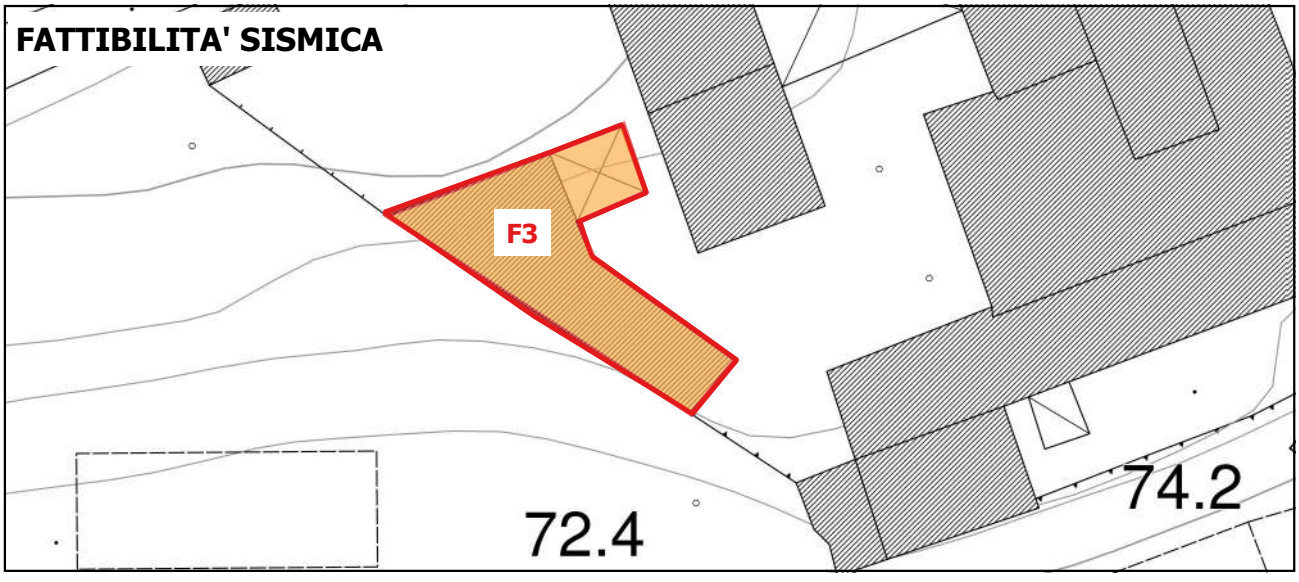


CARTA FATTIBILITA' AREA DI VARIANTE - LOTTO 1

scala 1:500

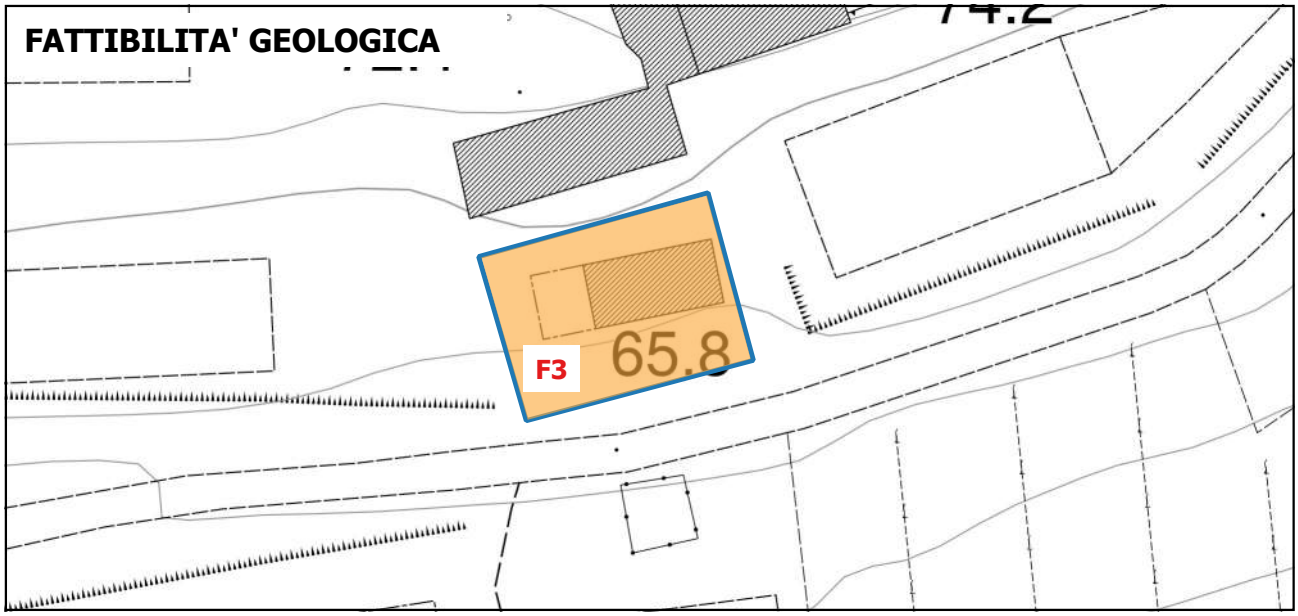


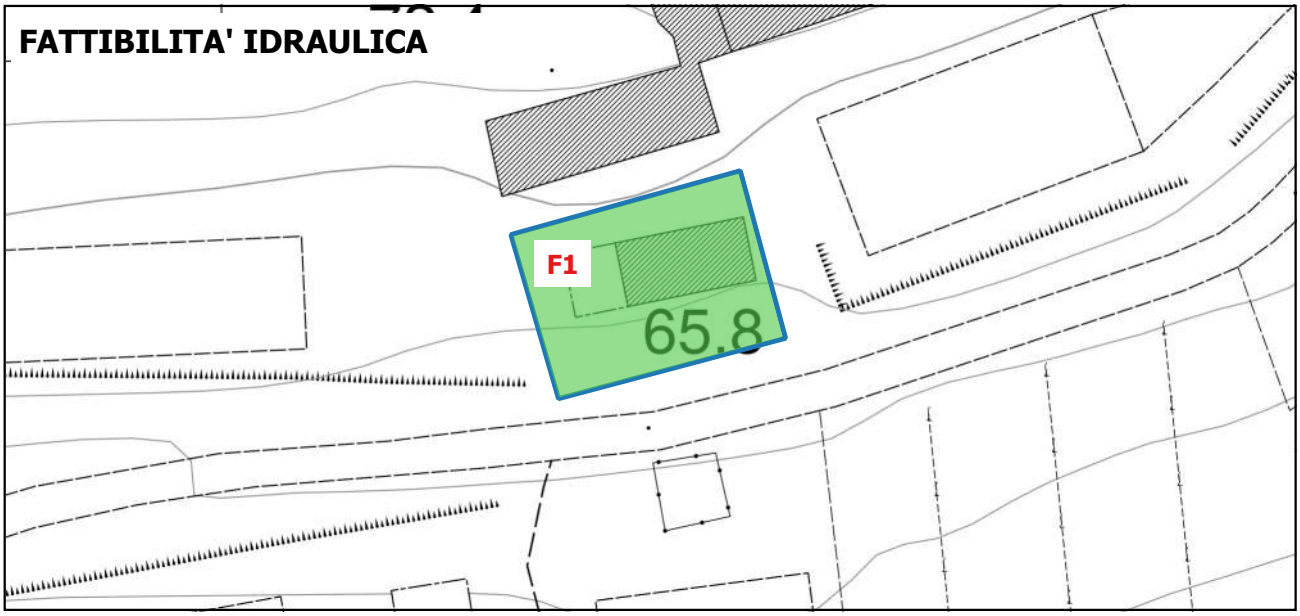


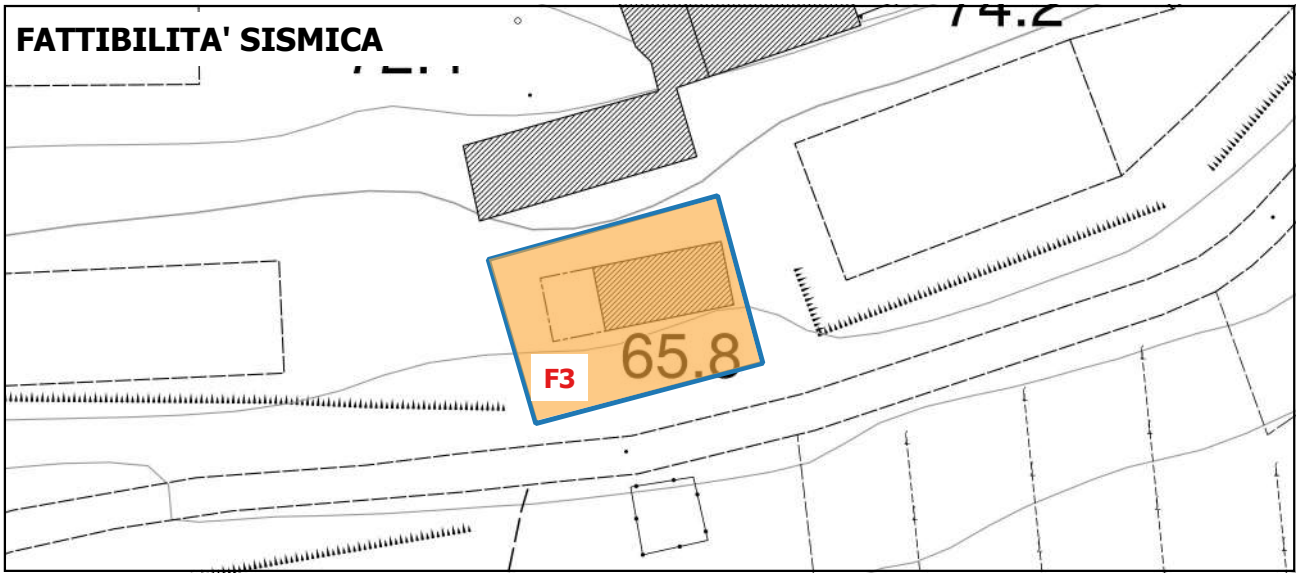


CARTA FATTIBILITA' AREA DI VARIANTE - LOTTO 2

scala 1:500







All. 2A - verifiche di stabilità in condizioni drenate e statiche allo stato attuale
Sez. AB

Analisi di stabilità dei pendii con : BISHOP (1955)

Zona	Mutigliano
Lat./Long.	43.882265/10.471627 °
Calcolo eseguito secondo	NTC 2018
Numero di strati	3.0
Numero dei conci	20.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	-49.28 m
Ordinata vertice sinistro inferiore yi	25.37 m
Ascissa vertice destro superiore xs	-49.28 m
Ordinata vertice destro superiore ys	98.58 m
Passo di ricerca	5.0
Numero di celle lungo x	30.0
Numero di celle lungo y	30.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:
Classe d'uso:
Vita nominale: 0.0 [anni]
Vita di riferimento: 0.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:
Categoria topografica:

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	0.0	0.0	0.0	0.0
S.L.D.	0.0	0.0	0.0	0.0
S.L.V.	0.0	0.0	0.0	0.0
S.L.C.	0.0	0.0	0.0	0.0

Coefficienti sismici orizzontali e verticali

Opera:

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]
S.L.O.	0.0	0.0	0.0	0.0
S.L.D.	0.0	0.0	0.0	0.0
S.L.V.	0.0	0.0	0.0	0.0
S.L.C.	0.0	0.0	0.0	0.0

Vertici profilo

Nr	X (m)	y (m)
1	0.0	0.0
2	1.01	0.04
3	2.01	0.03
4	3.02	0.11
5	4.02	0.19
6	5.03	0.26
7	6.04	0.25
8	7.04	0.24
9	8.05	0.24
10	9.06	0.7
11	10.06	0.78
12	11.07	1.17
13	12.07	1.66
14	13.08	1.95
15	14.09	2.22
16	15.09	2.49
17	16.1	2.75
18	17.11	3.22
19	18.11	3.22
20	19.12	3.4
21	20.12	3.58
22	21.13	4.02
23	22.14	4.35
24	23.14	4.5
25	24.15	4.56
26	25.15	4.59
27	26.16	4.61
28	27.17	4.61
29	28.17	4.64
30	29.18	4.72
31	30.19	5.24
32	31.19	6.48
33	32.2	6.71
34	33.2	6.85
35	34.21	6.83

36	35.22	6.86
37	36.22	6.97
38	37.23	7.04
39	38.23	7.04
40	39.24	7.08
41	40.25	7.09
42	41.25	7.26
43	42.26	7.41
44	43.27	7.65
45	44.27	7.94
46	45.28	8.35
47	46.28	8.64
48	47.29	9.06
49	48.3	9.06
50	49.3	9.49
51	50.31	9.85
52	51.32	10.71
53	52.32	10.94
54	53.33	11.18
55	54.33	11.23
56	55.34	11.41
57	56.35	11.47
58	57.35	11.62
59	58.36	11.62
60	59.36	11.75
61	60.37	12.02
62	61.38	12.41
63	62.38	12.57
64	63.39	13.46
65	64.4	13.8
66	65.4	13.99
67	66.41	14.46
68	67.41	14.61
69	68.42	14.61
70	69.43	14.87
71	70.43	15.1
72	71.71	15.16
73	72.93	15.15
74	73.61	15.87
75	74.43	15.93
76	74.69	16.0
77	85.39	16.0
78	85.39	19.5
79	85.53	19.54
80	86.53	19.52
81	87.54	19.58
82	88.54	19.58
83	89.55	19.71

84	90.56	19.87
85	91.56	20.07
86	92.57	20.4
87	93.57	20.37
88	94.58	20.34
89	95.59	20.3
90	96.59	20.27
91	97.6	20.24
92	98.61	20.24
93	99.61	20.25
94	100.62	20.23
95	101.62	20.02
96	102.63	20.07
97	103.64	20.06
98	104.64	20.04
99	105.65	20.41
100	106.66	21.44
101	107.66	22.59
102	108.67	22.59
103	109.67	23.24
104	110.68	23.43
105	111.69	23.79
106	112.69	23.93
107	113.7	24.14

Falda

Nr.	X (m)	y (m)
1	0.16	-1.46
2	28.86	4.58
3	60.75	10.27
4	74.75	14.15
5	89.33	17.22
6	103.34	19.27
7	115.72	20.77

Vertici strato 1

N	X (m)	y (m)
1	0.0	-2.69
2	15.77	1.31
3	27.16	3.67
4	39.31	6.05
5	47.86	7.94
6	57.53	10.07
7	61.58	11.39
8	72.93	15.15
9	75.99	15.88
10	79.52	15.98

11	82.66	15.74
12	85.28	16.05
13	85.35	18.29
14	88.66	18.96
15	98.58	19.32
16	101.19	19.45
17	106.14	19.81
18	113.7	21.14

Vertici strato 2

N	X (m)	y (m)
1	0.0	-6.19
2	27.17	0.01
3	40.3	3.41
4	51.15	5.94
5	59.72	8.62
6	64.14	10.29
7	69.61	12.34
8	77.88	14.61
9	83.07	15.82
10	85.28	15.95
11	85.39	16.54
12	94.79	18.11
13	101.19	18.77
14	103.08	18.91
15	108.61	19.48
16	113.7	20.13

Coefficienti parziali azioni

Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

Coefficienti parziali per i parametri geotecnici del terreno

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	Si

Stratigrafia

Strato	Coesione (kg/cm²)	Coesione non drenata (kg/cm²)	Angolo resistenza al taglio (°)	Peso unità di volume (Kg/m³)	Peso unità di volume saturo (Kg/m³)	Litologia	
1	0		21	1850	1850	O	

2	0.15		24	1900	1900	A	
3	1.4		27	2300	2300	B	

Muri di sostegno - Caratteristiche geometriche

N°	x (m)	y (m)	Base mensola a valle (m)	Base mensola a monte (m)	Altezza muro (m)	Spessore testa (m)	Spessore base (m)	Peso specifico (Kg/m³)
1	85.39	16	2	1	3.5	0.3	0.3	2400

Carichi distribuiti

N°	xi (m)	yi (m)	xf (m)	yf (m)	Carico esterno (kg/cm²)
1	77	15.8	85	15.8	0.5

Risultati analisi pendio [A2+M2+R2]

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Fs minimo individuato	0.89
Ascissa centro superficie	56.12 m
Ordinata centro superficie	38.79 m
Raggio superficie	26.67 m

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Numero di superfici esaminate....(497)

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N°	Xo	Yo	Ro	Fs
1	14.0	26.6	24.6	1.36
2	16.3	25.4	24.5	2.83
3	18.6	26.6	25.9	2.33
4	21.0	25.4	24.7	2.26
5	25.7	25.4	24.8	2.46
6	28.0	26.6	26.0	6.82
7	30.4	25.4	19.2	2.28
8	32.7	26.6	20.5	3.54
9	35.0	25.4	19.3	5.31
10	37.4	26.6	20.5	3.50
11	39.7	25.4	19.3	2.82
12	42.1	26.6	20.6	2.14
13	44.4	25.4	18.9	2.08
14	46.8	26.6	19.2	2.29
15	49.1	25.4	19.0	2.18
16	51.4	26.6	20.2	5.83
17	53.8	25.4	19.3	6.00
18	56.1	26.6	25.8	5.50
19	58.5	25.4	24.5	5.45
20	60.8	26.6	19.4	7.54
21	63.2	25.4	12.2	1.27

22	65.5	26.6	12.7	1.65
23	67.8	25.4	12.4	4.53
24	70.2	26.6	25.3	5.72
25	72.5	25.4	24.4	6.03
26	74.9	26.6	25.4	6.27
27	77.2	25.4	24.3	6.91
28	79.5	26.6	25.4	7.83
29	81.9	25.4	18.5	8.84
30	84.2	26.6	23.7	9.43
31	86.6	25.4	21.7	11.26
32	88.9	26.6	20.0	13.78
33	91.3	25.4	18.1	17.36
34	14.0	29.0	26.9	1.38
35	16.3	27.8	26.7	2.85
36	21.0	27.8	27.2	2.34
37	23.3	29.0	28.4	2.38
38	25.7	27.8	27.2	2.45
39	28.0	29.0	28.4	6.81
40	30.4	27.8	21.7	2.41
41	32.7	29.0	22.5	4.43
42	35.0	27.8	21.7	4.90
43	37.4	29.0	28.1	6.42
44	39.7	27.8	21.7	2.63
45	42.1	29.0	21.8	0.95
46	44.4	27.8	21.0	2.15
47	46.8	29.0	21.3	2.31
48	49.1	27.8	19.9	2.56
49	51.4	29.0	21.0	2.56
50	53.8	27.8	26.7	5.74
51	56.1	29.0	27.3	5.18
52	58.5	27.8	26.5	5.18
53	60.8	29.0	20.6	7.47
54	63.2	27.8	26.3	5.24
55	65.5	29.0	27.5	5.67
56	67.8	27.8	13.3	1.96
57	70.2	29.0	27.3	6.01
58	72.5	27.8	13.5	3.17
59	74.9	29.0	14.0	3.87
60	77.2	27.8	26.4	6.88
61	79.5	29.0	27.3	7.60
62	81.9	27.8	25.8	8.53
63	84.2	29.0	24.0	9.39
64	86.6	27.8	22.1	9.22
65	88.9	29.0	20.6	13.53
66	91.3	27.8	9.3	8.30
67	14.0	31.5	28.9	1.37
68	18.6	31.5	30.3	2.41
69	21.0	30.3	29.5	2.32
70	23.3	31.5	30.1	2.65

71	28.0	31.5	29.9	2.58
72	30.4	30.3	29.1	5.68
73	32.7	31.5	29.8	5.62
74	35.0	30.3	28.9	5.66
75	37.4	31.5	29.6	6.33
76	42.1	31.5	29.4	5.90
77	44.4	30.3	21.8	0.95
78	46.8	31.5	21.9	1.10
79	49.1	30.3	21.4	1.39
80	51.4	31.5	21.9	1.59
81	53.8	30.3	21.2	2.78
82	56.1	31.5	22.6	2.55
83	58.5	30.3	28.4	5.01
84	60.8	31.5	23.0	6.72
85	63.2	30.3	28.6	5.10
86	65.5	31.5	29.9	5.32
87	67.8	30.3	28.5	5.72
88	70.2	31.5	29.4	5.83
89	72.5	30.3	28.3	6.30
90	74.9	31.5	29.3	6.05
91	77.2	30.3	28.3	6.47
92	79.5	31.5	28.1	7.52
93	81.9	30.3	26.0	8.30
94	84.2	31.5	24.3	8.80
95	86.6	30.3	22.3	12.68
96	88.9	31.5	20.7	15.44
97	91.3	30.3	10.4	2.43
98	18.6	33.9	31.6	2.48
99	21.0	32.7	31.0	2.46
100	23.3	33.9	31.6	2.70
101	25.7	32.7	30.8	2.81
102	28.0	33.9	31.4	2.70
103	35.0	32.7	30.4	5.32
104	39.7	32.7	30.2	6.51
105	42.1	33.9	31.4	5.41
106	44.4	32.7	30.3	6.43
107	46.8	33.9	24.3	1.18
108	49.1	32.7	23.3	1.45
109	51.4	33.9	24.0	1.82
110	53.8	32.7	23.0	2.50
111	56.1	33.9	24.2	2.73
112	58.5	32.7	24.0	6.74
113	60.8	33.9	32.2	5.05
114	63.2	32.7	24.4	6.50
115	65.5	33.9	32.3	4.92
116	70.2	33.9	31.8	5.74
117	72.5	32.7	30.4	6.02
118	74.9	33.9	31.4	6.13
119	77.2	32.7	30.0	6.39

120	79.5	33.9	28.5	7.68
121	81.9	32.7	26.5	8.48
122	84.2	33.9	25.0	9.37
123	86.6	32.7	22.8	12.37
124	91.3	32.7	19.3	18.90
125	18.6	36.4	32.9	2.13
126	21.0	35.1	32.4	2.66
127	25.7	35.1	32.3	2.99
128	28.0	36.4	33.3	2.97
129	30.4	35.1	32.2	2.79
130	32.7	36.4	33.5	2.24
131	35.0	35.1	32.3	4.30
132	37.4	36.4	33.7	6.78
133	39.7	35.1	32.5	6.54
134	42.1	36.4	33.8	6.05
135	44.4	35.1	32.7	6.72
136	46.8	36.4	26.7	1.26
137	49.1	35.1	25.7	1.51
138	51.4	36.4	26.0	2.05
139	53.8	35.1	24.3	1.37
140	56.1	36.4	25.0	1.01
141	58.5	35.1	25.3	4.96
142	60.8	36.4	33.9	5.33
143	63.2	35.1	33.5	5.04
144	65.5	36.4	34.6	4.85
145	67.8	35.1	33.2	5.29
146	70.2	36.4	27.1	6.42
147	72.5	35.1	32.8	5.90
148	74.9	36.4	33.3	6.34
149	77.2	35.1	23.5	8.15
150	79.5	36.4	22.2	10.05
151	81.9	35.1	27.0	8.53
152	84.2	36.4	25.6	10.98
153	86.6	35.1	23.5	14.57
154	88.9	36.4	16.7	1.70
155	21.0	37.6	34.2	1.36
156	23.3	38.8	35.5	2.55
157	25.7	37.6	34.4	3.04
158	30.4	37.6	34.6	2.54
159	32.7	38.8	35.9	2.28
160	35.0	37.6	34.8	4.70
161	37.4	38.8	36.1	6.53
162	39.7	37.6	35.0	6.80
163	42.1	38.8	36.3	6.33
164	44.4	37.6	35.2	6.44
165	46.8	38.8	29.1	1.33
166	49.1	37.6	27.8	1.63
167	51.4	38.8	28.1	2.45
168	53.8	37.6	26.4	3.13

169	56.1	38.8	26.7	0.89
170	58.5	37.6	26.2	2.64
171	60.8	38.8	27.3	3.06
172	63.2	37.6	35.1	5.08
173	65.5	38.8	36.3	5.02
174	67.8	37.6	35.6	4.68
175	70.2	38.8	36.6	5.65
176	72.5	37.6	27.9	6.74
177	74.9	38.8	34.4	6.01
178	77.2	37.6	31.8	6.90
179	79.5	38.8	30.3	8.09
180	81.9	37.6	27.7	9.55
181	84.2	38.8	26.3	13.05
182	21.0	40.0	36.6	1.35
183	23.3	41.2	37.9	2.69
184	25.7	40.0	36.8	3.12
185	28.0	41.2	38.1	2.75
186	30.4	40.0	37.0	2.34
187	32.7	41.2	38.3	2.18
188	35.0	40.0	37.2	4.67
189	37.4	41.2	38.5	6.38
190	39.7	40.0	37.4	6.82
191	44.4	40.0	37.6	6.39
192	46.8	41.2	31.6	1.40
193	49.1	40.0	29.9	1.78
194	51.4	41.2	30.2	2.68
195	58.5	40.0	27.0	1.10
196	60.8	41.2	28.2	1.37
197	63.2	40.0	28.5	5.03
198	65.5	41.2	37.9	5.23
199	67.8	40.0	37.5	5.04
200	70.2	41.2	38.7	5.65
201	72.5	40.0	36.9	5.83
202	74.9	41.2	35.5	6.30
203	77.2	40.0	32.9	7.15
204	79.5	41.2	31.5	7.95
205	81.9	40.0	28.9	9.74
206	84.2	41.2	27.6	13.39
207	86.6	40.0	25.3	17.03
208	21.0	42.5	39.0	1.38
209	25.7	42.5	39.3	3.16
210	30.4	42.5	39.4	2.37
211	35.0	42.5	39.6	4.76
212	46.8	43.7	33.7	1.52
213	49.1	42.5	32.0	1.98
214	51.4	43.7	40.5	4.78
215	53.8	42.5	39.0	5.34
216	60.8	43.7	39.0	5.35
217	63.2	42.5	29.3	3.82

218	65.5	43.7	30.5	3.50
219	67.8	42.5	39.1	5.59
220	70.2	43.7	39.5	5.76
221	72.5	42.5	37.9	5.91
222	74.9	43.7	36.7	6.48
223	77.2	42.5	34.1	7.06
224	81.9	42.5	30.1	10.41
225	84.2	43.7	28.6	16.69
226	21.0	44.9	41.2	1.43
227	23.3	46.1	42.8	2.95
228	25.7	44.9	41.7	3.12
229	28.0	46.1	43.0	2.64
230	30.4	44.9	41.9	2.33
231	32.7	46.1	43.2	2.08
232	37.4	46.1	43.4	5.98
233	44.4	44.9	42.4	6.17
234	46.8	46.1	35.8	1.69
235	51.4	46.1	42.7	4.75
236	58.5	44.9	40.5	4.95
237	63.2	44.9	40.0	5.08
238	67.8	44.9	31.6	3.04
239	70.2	46.1	31.4	4.33
240	72.5	44.9	38.5	6.24
241	74.9	46.1	30.4	7.86
242	77.2	44.9	35.3	7.41
243	79.5	46.1	33.7	10.18
244	81.9	44.9	31.2	11.89
245	25.7	47.3	44.1	3.10
246	28.0	48.6	45.4	2.64
247	30.4	47.3	44.3	2.28
248	32.7	48.6	45.6	2.07
249	37.4	48.6	45.8	5.76
250	39.7	47.3	44.7	6.05
251	42.1	48.6	46.0	6.12
252	44.4	47.3	44.9	6.02
253	51.4	48.6	45.0	5.27
254	58.5	47.3	42.8	5.24
255	60.8	48.6	43.5	5.57
256	63.2	47.3	42.0	5.42
257	65.5	48.6	42.9	5.73
258	67.8	47.3	41.7	5.65
259	70.2	48.6	40.7	6.02
260	72.5	47.3	39.1	6.44
261	74.9	48.6	38.2	7.57
262	77.2	47.3	36.3	7.78
263	79.5	48.6	34.8	11.52
264	81.9	47.3	32.3	14.10
265	21.0	49.8	45.7	4.09
266	23.3	51.0	47.7	3.15

267	25.7	49.8	46.5	3.02
268	28.0	51.0	47.9	2.25
269	30.4	49.8	46.7	2.29
270	32.7	51.0	48.0	2.11
271	35.0	49.8	46.9	4.21
272	37.4	51.0	48.2	5.60
273	39.7	49.8	47.1	5.79
274	42.1	51.0	48.4	6.03
275	46.8	51.0	48.0	5.81
276	58.5	49.8	45.0	5.00
277	63.2	49.8	44.3	5.40
278	65.5	51.0	44.4	5.63
279	67.8	49.8	42.3	5.75
280	74.9	51.0	38.9	8.06
281	77.2	49.8	37.4	9.94
282	79.5	51.0	36.0	12.00
283	21.0	52.2	48.0	4.54
284	23.3	53.4	50.0	3.27
285	25.7	52.2	49.0	2.98
286	28.0	53.4	50.3	2.09
287	30.4	52.2	49.2	2.32
288	32.7	53.4	50.5	3.15
289	35.0	52.2	49.4	5.57
290	37.4	53.4	50.7	6.10
291	39.7	52.2	49.5	5.97
292	42.1	53.4	50.9	6.17
293	46.8	53.4	50.2	5.63
294	56.1	53.4	48.8	5.43
295	58.5	52.2	47.3	5.29
296	63.2	52.2	46.6	5.23
297	65.5	53.4	45.7	6.20
298	67.8	52.2	43.1	6.12
299	70.2	53.4	42.1	7.58
300	72.5	52.2	40.5	7.83
301	74.9	53.4	39.8	9.47
302	77.2	52.2	38.2	11.01
303	21.0	54.7	50.3	5.02
304	23.3	55.9	52.3	3.21
305	25.7	54.7	51.4	2.97
306	30.4	54.7	51.6	2.21
307	35.0	54.7	51.8	5.72
308	39.7	54.7	52.0	6.06
309	46.8	55.9	52.5	6.10
310	56.1	55.9	51.0	5.18
311	63.2	54.7	48.3	5.42
312	65.5	55.9	47.1	6.34
313	21.0	57.1	52.6	1.31
314	28.0	58.3	55.1	2.40
315	35.0	57.1	54.2	5.35

316	42.1	58.3	55.5	6.11
317	46.8	58.3	54.8	6.12
318	56.1	58.3	53.3	5.53
319	67.8	57.1	45.9	7.29
320	72.5	57.1	42.2	4.60
321	21.0	59.5	54.9	1.37
322	25.7	59.5	56.3	2.66
323	30.4	59.5	56.5	2.31
324	39.7	59.5	56.8	5.90
325	42.1	60.8	57.8	6.05
326	44.4	59.5	56.3	5.88
327	46.8	60.8	57.0	6.14
328	56.1	60.8	55.6	5.48
329	65.5	60.8	49.9	6.88
330	70.2	60.8	46.3	4.04
331	21.0	62.0	57.3	1.43
332	23.3	63.2	59.1	1.56
333	25.7	62.0	58.7	2.31
334	32.7	63.2	60.2	3.64
335	53.8	62.0	57.1	5.28
336	56.1	63.2	57.8	5.38
337	58.5	62.0	56.3	5.64
338	60.8	63.2	55.1	6.26
339	63.2	62.0	52.5	6.29
340	70.2	63.2	47.9	6.11
341	23.3	65.6	61.5	1.58
342	25.7	64.4	61.1	2.23
343	28.0	65.6	62.4	2.39
344	30.4	64.4	61.3	2.48
345	32.7	65.6	62.6	4.92
346	35.0	64.4	61.5	6.10
347	37.4	65.6	62.8	6.92
348	39.7	64.4	61.5	6.08
349	44.4	64.4	60.8	6.25
350	56.1	65.6	60.1	5.47
351	58.5	64.4	57.7	5.59
352	60.8	65.6	56.6	6.03
353	63.2	64.4	54.0	6.39
354	67.8	64.4	50.4	3.64
355	21.0	66.9	61.9	1.55
356	23.3	68.1	63.8	1.60
357	25.7	66.9	63.4	2.53
358	28.0	68.1	64.9	2.45
359	30.4	66.9	63.7	2.18
360	32.7	68.1	65.1	5.07
361	35.0	66.9	63.9	5.65
362	37.4	68.1	65.2	6.77
363	39.7	66.9	63.8	6.36
364	42.1	68.1	64.5	6.36

365	44.4	66.9	63.0	6.31
366	53.8	66.9	61.6	5.71
367	56.1	68.1	61.8	5.63
368	58.5	66.9	59.2	5.66
369	65.5	68.1	54.6	3.31
370	67.8	66.9	52.1	5.08
371	21.0	69.3	64.3	1.61
372	23.3	70.5	66.1	1.61
373	28.0	70.5	67.3	2.25
374	30.4	69.3	66.2	2.20
375	32.7	70.5	67.5	5.44
376	35.0	69.3	66.4	6.19
377	37.4	70.5	67.5	5.77
378	39.7	69.3	66.0	6.41
379	42.1	70.5	66.8	6.02
380	44.4	69.3	65.3	6.34
381	53.8	69.3	63.8	5.71
382	56.1	70.5	63.3	5.72
383	58.5	69.3	60.7	6.16
384	65.5	70.5	56.2	4.24
385	21.0	71.7	66.6	1.67
386	25.7	71.7	68.0	2.67
387	28.0	73.0	69.7	2.35
388	30.4	71.7	68.6	2.06
389	32.7	73.0	69.9	6.22
390	35.0	71.7	68.8	6.41
391	37.4	73.0	69.8	6.40
392	39.7	71.7	68.3	6.37
393	42.1	73.0	69.1	6.03
394	44.4	71.7	67.6	6.43
395	51.4	73.0	67.6	5.29
396	53.8	71.7	65.9	5.83
397	56.1	73.0	64.9	5.47
398	63.2	71.7	58.8	3.20
399	21.0	74.2	69.0	1.74
400	23.3	75.4	70.8	1.67
401	25.7	74.2	70.3	2.40
402	32.7	75.4	72.3	6.58
403	35.0	74.2	71.2	6.44
404	37.4	75.4	72.0	6.30
405	39.7	74.2	70.5	6.42
406	42.1	75.4	71.3	6.38
407	44.4	74.2	69.8	6.52
408	51.4	75.4	69.9	5.12
409	60.8	75.4	63.0	2.93
410	63.2	74.2	60.5	3.87
411	21.0	76.6	71.3	1.80
412	23.3	77.8	73.1	1.73
413	25.7	76.6	72.6	2.74

414	30.4	76.6	73.5	2.15
415	35.0	76.6	73.5	7.02
416	37.4	77.8	74.3	6.63
417	39.7	76.6	72.8	6.44
418	42.1	77.8	73.6	6.72
419	60.8	77.8	64.7	3.48
420	21.0	79.1	73.7	1.87
421	23.3	80.3	75.5	1.62
422	25.7	79.1	75.0	2.48
423	32.7	80.3	77.2	6.30
424	35.0	79.1	75.8	7.14
425	37.4	80.3	76.6	6.52
426	39.7	79.1	75.1	6.47
427	42.1	80.3	75.8	6.79
428	49.1	79.1	73.6	5.47
429	58.5	79.1	67.2	2.79
430	60.8	80.3	66.4	5.07
431	21.0	81.5	76.1	1.94
432	23.3	82.7	77.8	1.58
433	25.7	81.5	77.3	2.48
434	30.4	81.5	78.3	2.93
435	32.7	82.7	79.5	6.49
436	35.0	81.5	78.1	6.08
437	37.4	82.7	78.8	6.93
438	39.7	81.5	77.3	6.47
439	42.1	82.7	78.1	5.50
440	56.1	82.7	71.4	2.63
441	58.5	81.5	68.9	3.18
442	21.0	83.9	78.4	2.01
443	23.3	85.2	80.2	1.54
444	25.7	83.9	79.6	2.23
445	28.0	85.2	81.5	2.22
446	30.4	83.9	80.8	4.57
447	32.7	85.2	81.8	6.51
448	37.4	85.2	81.1	7.04
449	39.7	83.9	79.6	6.57
450	42.1	85.2	80.3	5.51
451	58.5	83.9	70.6	4.30
452	21.0	86.4	80.8	2.08
453	23.3	87.6	82.6	1.51
454	25.7	86.4	82.0	2.80
455	28.0	87.6	83.8	2.41
456	30.4	86.4	83.2	3.79
457	32.7	87.6	84.1	7.11
458	37.4	87.6	83.3	7.10
459	51.4	87.6	78.1	7.16
460	53.8	86.4	75.6	4.01
461	56.1	87.6	74.6	4.87
462	23.3	90.0	84.9	1.52

463	25.7	88.8	84.3	2.61
464	32.7	90.0	86.3	6.80
465	37.4	90.0	85.6	5.51
466	53.8	88.8	77.1	3.06
467	21.0	91.3	85.6	2.22
468	23.3	92.5	87.3	1.47
469	28.0	92.5	88.5	2.47
470	30.4	91.3	87.8	4.97
471	32.7	92.5	88.6	5.81
472	37.4	92.5	87.8	5.52
473	46.8	92.5	84.5	6.31
474	49.1	91.3	82.0	7.52
475	51.4	92.5	81.0	3.33
476	53.8	91.3	78.5	2.92
477	23.3	94.9	89.7	1.46
478	32.7	94.9	90.7	5.87
479	39.7	93.7	88.3	6.08
480	42.1	94.9	88.8	5.70
481	46.8	94.9	85.9	4.92
482	51.4	94.9	82.4	1.53
483	23.3	97.4	92.0	1.43
484	25.7	96.1	91.4	2.67
485	28.0	97.4	92.8	2.31
486	30.4	96.1	91.9	2.40
487	35.0	96.1	91.2	5.81
488	37.4	97.4	91.7	6.21
489	39.7	96.1	90.3	6.13
490	42.1	97.4	90.8	6.51
491	44.4	96.1	88.4	6.90
492	49.1	96.1	84.9	3.50
493	25.7	98.6	93.7	2.54
494	30.4	98.6	93.8	2.54
495	35.0	98.6	93.2	4.20
496	44.4	98.6	89.8	2.53
497	49.1	98.6	86.3	1.43

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All. 2B - verifiche di stabilità in condizioni drenate e dinamiche allo stato attuale

Sez AB

Analisi di stabilità dei pendii con : BISHOP (1955)

Zona	Mutigliano
Lat./Long.	43.882265/10.471627 °
Calcolo eseguito secondo	NTC 2018
Numero di strati	3.0
Numero dei conci	20.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata

Superficie di forma circolare

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	-2.0 m
Ordinata vertice sinistro inferiore yi	23.09 m
Ascissa vertice destro superiore xs	-2.0 m
Ordinata vertice destro superiore ys	118.59 m
Passo di ricerca	5.0
Numero di celle lungo x	30.0
Numero di celle lungo y	30.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:	2 - Opere ordinarie
Classe d'uso:	Classe III
Vita nominale:	50.0 [anni]
Vita di riferimento:	75.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:	B
Categoria topografica:	T1

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	45.0	0.51	2.538	0.25
S.L.D.	75.0	0.618	2.552	0.265
S.L.V.	712.0	1.491	2.384	0.294
S.L.C.	1462.0	1.883	2.383	0.304

Coefficienti sismici orizzontali e verticali

Opera: Stabilità dei pendii e Fondazioni

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]

S.L.O.	0.612	0.2	0.0125	0.0062
S.L.D.	0.7416	0.2	0.0151	0.0076
S.L.V.	1.7892	0.24	0.0438	0.0219
S.L.C.	2.2596	0.24	0.0553	0.0277

Coefficiente azione sismica orizzontale 0.044
Coefficiente azione sismica verticale 0.022

Vertici profilo

Nr	X (m)	y (m)
1	0.0	0.0
2	1.01	0.04
3	2.01	0.03
4	3.02	0.11
5	4.02	0.19
6	5.03	0.26
7	6.04	0.25
8	7.04	0.24
9	8.05	0.24
10	9.06	0.7
11	10.06	0.78
12	11.07	1.17
13	12.07	1.66
14	13.08	1.95
15	14.09	2.22
16	15.09	2.49
17	16.1	2.75
18	17.11	3.22
19	18.11	3.22
20	19.12	3.4
21	20.12	3.58
22	21.13	4.02
23	22.14	4.35
24	23.14	4.5
25	24.15	4.56
26	25.15	4.59
27	26.16	4.61
28	27.17	4.61
29	28.17	4.64
30	29.18	4.72
31	30.19	5.24
32	31.19	6.48
33	32.2	6.71
34	33.2	6.85
35	34.21	6.83
36	35.22	6.86
37	36.22	6.97
38	37.23	7.04
39	38.23	7.04
40	39.24	7.08
41	40.25	7.09

42	41.25	7.26
43	42.26	7.41
44	43.27	7.65
45	44.27	7.94
46	45.28	8.35
47	46.28	8.64
48	47.29	9.06
49	48.3	9.06
50	49.3	9.49
51	50.31	9.85
52	51.32	10.71
53	52.32	10.94
54	53.33	11.18
55	54.33	11.23
56	55.34	11.41
57	56.35	11.47
58	57.35	11.62
59	58.36	11.62
60	59.36	11.75
61	60.37	12.02
62	61.38	12.41
63	62.38	12.57
64	63.39	13.46
65	64.4	13.8
66	65.4	13.99
67	66.41	14.46
68	67.41	14.61
69	68.42	14.61
70	69.43	14.87
71	70.43	15.1
72	71.71	15.16
73	72.93	15.15
74	73.61	15.87
75	74.43	15.93
76	74.69	16.0
77	85.39	16.0
78	85.39	19.5
79	85.53	19.54
80	86.53	19.52
81	87.54	19.58
82	88.54	19.58
83	89.55	19.71
84	90.56	19.87
85	91.56	20.07
86	92.57	20.4
87	93.57	20.37
88	94.58	20.34
89	95.59	20.3
90	96.59	20.27
91	97.6	20.24
92	98.61	20.24
93	99.61	20.25

94	100.62	20.23
95	101.62	20.02
96	102.63	20.07
97	103.64	20.06
98	104.64	20.04
99	105.65	20.41
100	106.66	21.44
101	107.66	22.59
102	108.67	22.59
103	109.67	23.24
104	110.68	23.43
105	111.69	23.79
106	112.69	23.93
107	113.7	24.14

Falda

Nr.	X (m)	y (m)
1	0.44	-1.04
2	30.59	5.1
3	50.39	8.55
4	74.84	13.95
5	83.52	15.27
6	85.64	15.3
7	89.39	17.7
8	103.49	19.65
9	115.7	21.27

Vertici strato 1

N	X (m)	y (m)
1	0.0	-2.69
2	15.77	1.31
3	27.16	3.67
4	39.31	6.05
5	47.86	7.94
6	57.53	10.07
7	61.58	11.39
8	72.93	15.15
9	75.99	15.88
10	79.52	15.98
11	82.66	15.74
12	85.28	16.05
13	85.35	18.29
14	88.66	18.96
15	98.58	19.32
16	101.19	19.45
17	106.14	19.81
18	113.7	21.14

Vertici strato 2

N	X (m)	y (m)
1	0.0	-6.19

2	27.17	0.01
3	40.3	3.41
4	51.15	5.94
5	59.72	8.62
6	64.14	10.29
7	69.61	12.34
8	77.88	14.61
9	83.07	15.82
10	85.28	15.95
11	85.39	16.54
12	94.79	18.11
13	101.19	18.77
14	103.08	18.91
15	108.61	19.48
16	113.7	20.13

Coefficienti parziali azioni

Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

Coefficienti parziali per i parametri geotecnici del terreno

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	No

Stratigrafia

Strato	Coesione (kg/cm²)	Coesione non drenata (kg/cm²)	Angolo resistenza al taglio (°)	Peso unità di volume (Kg/m³)	Peso unità di volume saturo (Kg/m³)	Litologia	
1	0		21	1850	1850	O	
2	0.15		24	1900	1900	A	
3	1.4		27	2300	2300	B	

Muri di sostegno - Caratteristiche geometriche

N°	x (m)	y (m)	Base mensola a valle (m)	Base mensola a monte (m)	Altezza muro (m)	Spessore testa (m)	Spessore base (m)	Peso specifico (Kg/m³)
1	85.39	16	2	1	3.5	0.3	0.3	2400

Carichi distribuiti

N°	xi (m)	yi (m)	xf (m)	yf (m)	Carico esterno (kg/cm²)
1	77	15.8	85	15.8	1

Risultati analisi pendio

Fs minimo individuato	0.94
Ascissa centro superficie	45.35 m
Ordinata centro superficie	29.46 m
Raggio superficie	20.38 m

xc = 13.219 yc = 24.682 Rc = 22.366 Fs=1.315

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.49	4.2	0.5	44.77	1.97	0.99	0.0	21.0	0.0	44.0	12.8
2	0.32	5.2	0.3	73.48	3.23	1.62	0.0	21.0	0.0	71.9	21.0
3	0.41	6.2	0.4	136.24	5.99	3.0	0.0	21.0	0.0	132.8	38.8
4	0.28	7.0	0.3	118.22	5.2	2.6	0.0	21.0	0.0	115.0	33.6
5	0.54	8.1	0.5	333.48	14.67	7.34	0.0	21.0	0.0	323.4	94.4
6	0.47	9.4	0.5	431.05	18.97	9.48	0.0	21.0	0.0	416.8	121.7
7	0.34	10.5	0.3	337.25	14.84	7.42	0.0	21.0	0.0	325.4	95.0
8	0.41	11.4	0.4	346.77	15.26	7.63	0.0	21.0	0.0	334.1	97.5
9	0.41	12.5	0.4	282.05	12.41	6.21	0.0	21.0	0.0	271.3	79.2
10	0.41	13.6	0.4	258.65	11.38	5.69	0.0	21.0	0.0	248.6	72.6
11	0.45	14.7	0.5	261.21	11.49	5.75	0.0	21.0	0.0	250.8	73.2
12	0.36	15.8	0.4	183.77	8.09	4.04	0.0	21.0	0.0	176.4	51.5
13	0.41	16.8	0.4	173.95	7.65	3.83	0.0	21.0	0.0	167.0	48.8
14	0.24	17.7	0.3	83.36	3.67	1.83	0.0	21.0	0.0	80.0	23.4
15	0.57	18.8	0.6	215.03	9.46	4.73	0.0	21.0	0.0	206.6	60.3
16	0.43	20.1	0.5	195.45	8.6	4.3	0.0	21.0	0.0	188.0	54.9
17	0.38	21.2	0.4	175.04	7.7	3.85	0.0	21.0	0.0	168.7	49.2
18	0.41	22.3	0.4	165.44	7.28	3.64	0.0	21.0	0.0	159.7	46.6
19	0.22	23.2	0.2	77.41	3.41	1.7	0.0	21.0	0.0	74.9	21.9
20	0.59	24.3	0.7	101.87	4.48	2.24	0.0	21.0	0.0	98.8	28.8

xc = 14.91 yc = 23.09 Rc = 20.947 Fs=1.31

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.19	-2.5	0.2	10.85	0.48	0.24	0.0	21.0	0.0	11.0	3.2
2	1.01	-0.9	1.0	389.12	17.12	8.56	0.0	21.0	0.0	390.9	114.6
3	0.42	1.1	0.4	311.03	13.69	6.84	0.0	21.0	0.0	309.4	90.7
4	0.58	2.5	0.6	552.28	24.3	12.15	0.0	21.0	0.0	545.9	160.0
5	0.5	3.9	0.5	620.91	27.32	13.66	0.0	21.0	5.2	604.9	177.3
6	0.51	5.3	0.5	815.22	35.87	17.93	0.0	21.0	33.1	764.7	224.1
7	0.57	6.8	0.6	985.91	43.38	21.69	0.0	21.0	72.8	888.5	260.4
8	0.54	8.3	0.5	855.19	37.63	18.81	0.0	21.0	86.6	744.8	218.3

9	0.54	9.8	0.5	836.39	36.8	18.4	0.0	21.0	97.8	713.3	209.1
10	0.36	11.1	0.4	550.67	24.23	12.11	0.0	21.0	69.0	464.1	136.0
11	0.72	12.6	0.7	1094.53	48.16	24.08	0.0	21.0	135.6	922.2	270.3
12	0.28	14.0	0.3	410.7	18.07	9.04	0.0	21.0	49.5	346.9	101.7
13	1.01	15.8	1.0	1603.25	70.54	35.27	0.0	21.0	135.8	1408.3	412.8
14	0.33	17.8	0.4	577.5	25.41	12.71	0.0	21.0	21.3	533.9	156.5
15	0.67	19.2	0.7	1156.85	50.9	25.45	0.0	21.0	2.0	1109.6	325.3
16	0.41	20.8	0.4	662.84	29.16	14.58	0.0	21.0	0.0	638.0	187.0
17	0.6	22.3	0.6	829.18	36.48	18.24	0.0	21.0	0.0	800.0	234.5
18	0.48	23.9	0.5	520.39	22.9	11.45	0.0	21.0	0.0	503.7	147.7
19	0.52	25.4	0.6	365.9	16.1	8.05	0.0	21.0	0.0	355.5	104.2
20	0.56	27.0	0.6	142.25	6.26	3.13	0.0	21.0	0.0	138.9	40.7

xc = 16.601 yc = 24.682 Rc = 22.393 Fs=1.37

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.44	-4.4	0.4	61.5	2.71	1.35	0.0	21.0	0.0	63.0	17.7
2	1.01	-2.6	1.0	574.83	25.29	12.65	0.0	21.0	0.0	582.7	163.3
3	0.34	-0.9	0.3	337.67	14.86	7.43	0.0	21.0	0.0	339.1	95.0
4	0.67	0.4	0.7	956.24	42.07	21.04	0.0	21.0	0.0	954.2	267.4
5	0.52	2.0	0.5	883.85	38.89	19.44	0.0	21.0	54.3	822.1	230.4
6	0.59	3.4	0.6	979.99	43.12	21.56	0.0	21.0	117.3	850.1	238.2
7	0.59	4.9	0.6	1012.23	44.54	22.27	0.0	21.0	162.6	832.8	233.3
8	0.3	6.1	0.3	540.91	23.8	11.9	0.0	21.0	95.8	434.7	121.8
9	1.01	7.8	1.0	1855.6	81.65	40.82	0.0	21.0	380.2	1434.3	401.9
10	0.47	9.7	0.5	935.66	41.17	20.58	0.0	21.0	191.6	720.4	201.8
11	0.54	11.0	0.5	1195.81	52.62	26.31	0.0	21.0	227.3	935.8	262.2
12	0.65	12.5	0.7	1572.05	69.17	34.59	0.0	21.0	273.0	1252.7	351.0
13	0.36	13.8	0.4	889.33	39.13	19.57	0.0	21.0	145.3	716.8	200.8
14	1.01	15.6	1.0	2432.82	107.04	53.52	0.0	21.0	363.2	1992.9	558.4
15	0.42	17.5	0.4	916.98	40.35	20.17	0.0	21.0	122.3	765.7	214.5
16	0.59	18.9	0.6	1136.09	49.99	24.99	0.0	21.0	136.9	963.7	270.0
17	0.6	20.5	0.6	955.46	42.04	21.02	0.0	21.0	83.9	842.2	236.0
18	0.41	21.9	0.4	510.54	22.46	11.23	0.0	21.0	21.1	474.1	132.8
19	0.78	23.5	0.9	643.78	28.33	14.16	0.0	21.0	0.0	625.8	175.4
20	0.59	25.5	0.7	158.26	6.96	3.48	0.0	21.0	0.0	154.7	43.3

xc = 18.292 yc = 23.09 Rc = 20.929 Fs=2.498

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.19	-9.1	0.2	14.96	0.66	0.33	0.0	21.0	0.0	15.5	2.4
2	1.01	-7.4	1.0	529.64	23.3	11.65	0.0	21.0	0.0	545.0	83.8
3	1.01	-4.6	1.0	1406.47	61.88	30.94	0.0	21.0	21.8	1406.7	216.2
4	0.45	-2.6	0.4	860.03	37.84	18.92	0.0	21.0	94.6	771.7	118.6
5	0.66	-1.1	0.7	1295.28	56.99	28.5	0.0	21.0	231.2	1067.5	164.1
6	0.9	1.0	0.9	1923.79	84.65	42.32	0.0	21.0	453.7	1466.3	225.4
7	0.43	2.8	0.4	988.53	43.5	21.75	0.0	21.0	266.7	717.3	110.2
8	0.58	4.2	0.6	1403.85	61.77	30.88	0.0	21.0	398.9	996.3	153.1
9	1.01	6.4	1.0	2808.81	123.59	61.79	0.15	24.0	786.8	1927.9	951.8
10	0.41	8.4	0.4	1279.93	56.32	28.16	0.15	24.0	338.1	892.4	405.3
11	0.6	9.7	0.6	1989.8	87.55	43.78	0.15	24.0	509.7	1396.1	614.8
12	1.01	12.0	1.0	3370.33	148.29	74.15	0.15	24.0	866.8	2339.6	1034.9
13	0.38	13.9	0.4	1234.57	54.32	27.16	0.15	24.0	324.5	841.4	387.8
14	0.62	15.4	0.6	1880.28	82.73	41.37	0.15	24.0	510.1	1253.1	610.8
15	1.01	17.7	1.1	2651.34	116.66	58.33	0.0	21.0	750.2	1902.3	292.4
16	0.36	19.7	0.4	813.41	35.79	17.9	0.0	21.0	234.2	583.1	89.6
17	0.64	21.1	0.7	1231.0	54.16	27.08	0.0	21.0	363.7	877.7	134.9
18	0.68	23.1	0.7	975.8	42.94	21.47	0.0	21.0	292.0	697.7	107.2
19	0.66	25.1	0.7	576.81	25.38	12.69	0.0	21.0	178.1	410.8	63.1
20	0.66	27.1	0.7	201.36	8.86	4.43	0.0	21.0	49.0	158.7	24.4

xc = 40.275 yc = 24.682 Rc = 17.444 Fs=1.062

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.34	3.9	0.3	9.03	0.4	0.2	0.0	21.0	0.0	8.8	3.2
2	0.34	5.0	0.3	24.0	1.06	0.53	0.0	21.0	0.0	23.4	8.4
3	0.29	6.1	0.3	29.6	1.3	0.65	0.0	21.0	0.0	28.7	10.4
4	0.38	7.2	0.4	59.0	2.6	1.3	0.0	21.0	0.0	56.9	20.6
5	0.34	8.4	0.3	74.92	3.3	1.65	0.0	21.0	0.0	71.9	26.0
6	0.29	9.4	0.3	76.98	3.39	1.69	0.0	21.0	0.0	73.6	26.6
7	0.39	10.5	0.4	127.11	5.59	2.8	0.0	21.0	0.0	121.2	43.8
8	0.34	11.7	0.3	130.95	5.76	2.88	0.0	21.0	0.0	124.4	44.9
9	0.28	12.8	0.3	119.92	5.28	2.64	0.0	21.0	0.0	113.6	41.1
10	0.4	13.9	0.4	199.13	8.76	4.38	0.0	21.0	0.0	188.3	68.0
11	0.34	15.2	0.3	203.95	8.97	4.49	0.0	21.0	0.0	192.5	69.5
12	0.27	16.2	0.3	185.17	8.15	4.07	0.0	21.0	0.0	174.5	63.0
13	0.4	17.4	0.4	279.9	12.32	6.16	0.0	21.0	0.0	263.5	95.2
14	0.34	18.6	0.4	227.11	9.99	5.0	0.0	21.0	0.0	213.6	77.2
15	0.27	19.7	0.3	171.49	7.55	3.77	0.0	21.0	0.0	161.3	58.3
16	0.41	20.9	0.4	259.56	11.42	5.71	0.0	21.0	0.0	244.2	88.2

17	0.34	22.2	0.4	220.61	9.71	4.85	0.0	21.0	0.0	207.7	75.0
18	0.26	23.2	0.3	171.18	7.53	3.77	0.0	21.0	0.0	161.3	58.3
19	0.41	24.5	0.5	197.52	8.69	4.35	0.0	21.0	0.0	186.4	67.3
20	0.34	25.8	0.4	51.63	2.27	1.14	0.0	21.0	0.0	48.8	17.6

xc = 41.966 yc = 23.09 Rc = 15.853 Fs=1.018

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.54	-1.7	0.5	52.01	2.29	1.14	0.0	21.0	0.0	52.6	19.8
2	0.5	0.2	0.5	126.04	5.55	2.77	0.0	21.0	0.0	125.9	47.5
3	0.59	2.1	0.6	253.4	11.15	5.57	0.0	21.0	0.0	250.1	94.3
4	0.42	3.9	0.4	252.57	11.11	5.56	0.0	21.0	0.0	246.8	93.0
5	0.67	5.9	0.7	526.42	23.16	11.58	0.0	21.0	30.0	480.3	181.0
6	0.34	7.7	0.3	318.92	14.03	7.02	0.0	21.0	23.0	284.1	107.1
7	1.01	10.2	1.0	1224.7	53.89	26.94	0.0	21.0	81.6	1087.6	410.0
8	0.29	12.6	0.3	409.87	18.03	9.02	0.0	21.0	20.1	368.4	138.9
9	0.72	14.5	0.7	1062.67	46.76	23.38	0.0	21.0	23.4	978.2	368.7
10	0.37	16.5	0.4	561.81	24.72	12.36	0.0	21.0	0.0	527.1	198.7
11	0.64	18.4	0.7	1040.3	45.77	22.89	0.0	21.0	0.0	974.2	367.2
12	0.45	20.5	0.5	679.83	29.91	14.96	0.0	21.0	0.0	636.1	239.8
13	0.54	22.4	0.6	629.85	27.71	13.86	0.0	21.0	0.0	589.6	222.3
14	0.54	24.6	0.6	502.7	22.12	11.06	0.0	21.0	0.0	471.5	177.7
15	0.48	26.6	0.5	419.13	18.44	9.22	0.0	21.0	0.0	394.3	148.6
16	0.61	28.8	0.7	449.96	19.8	9.9	0.0	21.0	0.0	425.4	160.3
17	0.4	30.9	0.5	213.74	9.4	4.7	0.0	21.0	0.0	203.3	76.6
18	0.69	33.2	0.8	402.8	17.72	8.86	0.0	21.0	0.0	386.2	145.6
19	0.32	35.4	0.4	235.78	10.37	5.19	0.0	21.0	0.0	228.2	86.0
20	0.77	37.9	1.0	315.14	13.87	6.93	0.0	21.0	0.0	308.8	116.4

xc = 43.657 yc = 24.682 Rc = 17.321 Fs=1.439

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.62	-3.5	0.6	109.24	4.81	2.4	0.0	21.0	0.0	111.3	29.7
2	0.37	-1.9	0.4	161.57	7.11	3.55	0.0	21.0	0.0	163.1	43.5
3	1.01	0.4	1.0	809.58	35.62	17.81	0.0	21.0	29.5	778.8	207.8
4	0.48	2.8	0.5	581.32	25.58	12.79	0.0	21.0	66.9	508.4	135.6
5	0.53	4.5	0.5	809.79	35.63	17.82	0.0	21.0	107.1	690.4	184.2

6	1.01	7.0	1.01	869.88	82.27	41.14	0.0	21.0	258.1	1572.2	419.5
7	0.32	9.3	0.3	663.96	29.21	14.61	0.15	24.0	89.8	501.4	492.9
8	0.69	11.0	0.71	578.86	69.47	34.73	0.15	24.0	188.5	1203.1	1101.2
9	0.55	13.0	0.61	275.85	56.14	28.07	0.15	24.0	137.6	963.1	885.9
10	0.62	15.0	0.61	267.76	55.78	27.89	0.15	24.0	131.0	921.4	952.1
11	0.85	17.6	0.91	787.69	78.66	39.33	0.0	21.0	99.2	1633.1	435.7
12	0.39	19.7	0.4	856.67	37.69	18.85	0.0	21.0	6.4	824.4	220.0
13	0.62	21.5	0.71	339.78	58.95	29.48	0.0	21.0	0.0	1303.0	347.7
14	0.62	23.7	0.71	485.21	65.35	32.67	0.0	21.0	0.0	1452.0	387.4
15	0.39	25.5	0.4	1066.9	46.94	23.47	0.0	21.0	0.0	1048.7	279.8
16	1.01	28.1	1.12	647.03	116.47	58.23	0.0	21.0	0.0	2626.9	700.9
17	0.46	30.9	0.51	004.59	44.2	22.1	0.0	21.0	0.0	1009.6	269.4
18	0.54	32.9	0.6	991.54	43.63	21.81	0.0	21.0	0.0	1006.9	268.7
19	0.69	35.3	0.8	828.1	36.44	18.22	0.0	21.0	0.0	853.7	227.8
20	0.62	38.0	0.8	220.48	9.7	4.85	0.0	21.0	0.0	231.6	61.8

xc = 45.348 yc = 23.09 Rc = 15.853 Fs=2.239

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.7	-8.8	0.7	184.72	8.13	4.06	0.0	21.0	0.0	192.0	32.9
2	0.65	-6.4	0.7	496.31	21.84	10.92	0.0	21.0	20.8	487.8	83.6
3	0.35	-4.5	0.4	393.66	17.32	8.66	0.0	21.0	57.6	341.8	58.6
4	1.01	-2.1	1.01	672.95	73.61	36.8	0.15	24.0	323.6	1384.6	949.8
5	1.01	1.6	1.02	344.11	103.14	51.57	0.15	24.0	508.0	1808.5	1033.9
6	0.35	4.0	0.3	925.55	40.72	20.36	0.15	24.0	204.4	696.9	370.8
7	0.66	5.8	0.71	973.17	86.82	43.41	0.15	24.0	416.9	1488.7	740.7
8	0.7	8.3	0.72	148.26	94.52	47.26	0.15	24.0	463.2	1588.1	786.4
9	0.68	10.8	0.71	965.71	86.49	43.25	0.15	24.0	454.0	1397.5	740.1
10	0.64	13.3	0.7	2022.2	88.98	44.49	0.15	24.0	414.9	1478.3	734.2
11	1.01	16.3	1.03	364.32	148.03	74.02	0.15	24.0	578.0	2549.1	1209.3
12	0.39	19.0	0.41	382.49	60.83	30.41	0.15	24.0	182.8	1099.1	492.9
13	0.62	20.9	0.72	489.92	109.56	54.78	0.15	24.0	252.9	2068.0	855.0
14	1.01	24.1	1.14	120.36	181.3	90.65	0.15	24.0	252.5	3587.7	1451.9
15	0.41	26.9	0.5	1536.3	67.6	33.8	0.15	24.0	28.0	1395.1	584.0
16	0.6	29.0	0.72	088.61	91.9	45.95	0.0	21.0	0.0	2180.6	373.8
17	1.01	32.4	1.2	2807.7	123.54	61.77	0.0	21.0	0.0	2998.5	514.1
18	0.43	35.5	0.5	864.22	38.03	19.01	0.0	21.0	0.0	945.7	162.1
19	0.58	37.8	0.7	860.45	37.86	18.93	0.0	21.0	0.0	960.7	164.7
20	0.78	40.9	1.0	468.2	20.6	10.3	0.0	21.0	0.0	539.5	92.5

xc = 47.039 yc = 24.682 Rc = 16.948 Fs=2.211

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.97	-7.6	1.0	484.69	21.33	10.66	0.0	21.0	0.0	500.6	86.9
2	0.38	-5.3	0.4	424.07	18.66	9.33	0.0	21.0	0.0	432.9	75.1
3	0.62	-3.6	0.6	904.39	39.79	19.9	0.0	21.0	10.2	905.9	157.2
4	1.01	-0.9	1.0	2076.09	91.35	45.67	0.0	21.0	192.3	1888.8	327.9
5	0.4	1.5	0.4	979.63	43.1	21.55	0.15	24.0	122.4	845.7	441.6
6	0.68	3.3	0.7	1632.3	71.82	35.91	0.15	24.0	256.2	1335.8	728.7
7	0.94	6.1	0.9	2546.24	112.03	56.02	0.15	24.0	426.0	2020.8	1045.3
8	0.42	8.4	0.4	1282.26	56.42	28.21	0.15	24.0	198.9	1022.5	492.0
9	0.59	10.1	0.6	1917.31	84.36	42.18	0.15	24.0	288.6	1527.2	713.2
10	1.01	12.9	1.0	3971.37	174.74	87.37	0.15	24.0	486.1	3265.0	1357.4
11	0.43	15.4	0.5	1955.41	86.04	43.02	0.15	24.0	198.6	1646.8	637.4
12	0.57	17.2	0.6	2535.85	111.58	55.79	0.15	24.0	245.3	2139.0	836.3
13	1.01	20.0	1.1	4312.48	189.75	94.87	0.15	24.0	333.5	3699.1	1470.9
14	0.45	22.6	0.5	1807.39	79.53	39.76	0.15	24.0	96.9	1581.9	650.7
15	0.55	24.5	0.6	2012.53	88.55	44.28	0.15	24.0	56.8	1796.3	774.5
16	1.01	27.4	1.1	3139.64	138.14	69.07	0.0	21.0	0.0	3244.6	563.2
17	0.47	30.2	0.5	1203.02	52.93	26.47	0.0	21.0	0.0	1264.6	219.5
18	0.54	32.2	0.6	1101.44	48.46	24.23	0.0	21.0	0.0	1173.7	203.7
19	0.82	35.0	1.0	1113.24	48.98	24.49	0.0	21.0	0.0	1211.7	210.3
20	0.68	38.1	0.9	341.14	15.01	7.51	0.0	21.0	0.0	381.7	66.3

xc = 48.73 yc = 23.09 Rc = 15.853 Fs=2.436

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.11	-16.5	0.1	6.51	0.29	0.14	0.0	21.0	0.0	7.1	1.1
2	1.01	-14.5	1.0	758.61	33.38	16.69	0.0	21.0	0.0	816.6	128.7
3	1.01	-10.7	1.0	1828.2	80.44	40.22	0.0	21.0	235.6	1670.8	263.3
4	1.01	-7.0	1.0	2799.01	123.16	61.58	0.15	24.0	573.7	2373.0	1058.1
5	0.82	-3.7	0.8	2758.04	121.35	60.68	0.15	24.0	669.1	2151.9	902.3
6	0.79	-0.8	0.8	2832.16	124.62	62.31	0.15	24.0	779.6	2064.7	864.3
7	0.4	1.4	0.4	1609.33	70.81	35.41	0.15	24.0	428.3	1170.5	458.6
8	1.01	3.9	1.0	4517.42	198.77	99.38	0.15	24.0	1184.9	3257.5	1216.5
9	1.01	7.6	1.0	5471.4	240.74	120.37	0.15	24.0	1275.5	4051.5	1365.7
10	1.01	11.2	1.0	6178.96	271.87	135.94	0.15	24.0	1336.0	4643.4	1480.6
11	0.54	14.1	0.6	3304.13	145.38	72.69	0.15	24.0	709.7	2475.7	793.6
12	0.47	16.0	0.5	2871.53	126.35	63.17	0.15	24.0	606.7	2156.9	694.7
13	1.01	18.8	1.1	5877.71	258.62	129.31	0.15	24.0	1237.2	4405.1	1459.7

14	1.01	22.7	1.1	5375.57	236.53	118.26	0.15	24.0	1082.3	4062.1	1414.1
15	1.01	26.7	1.1	4727.06	207.99	104.0	0.15	24.0	833.4	3671.8	1364.7
16	0.47	29.7	0.5	1896.65	83.45	41.73	0.15	24.0	279.7	1515.3	606.7
17	0.54	31.8	0.6	1976.47	86.96	43.48	0.15	24.0	221.5	1636.4	691.1
18	1.04	35.3	1.3	2853.97	125.57	62.79	0.15	24.0	67.5	2530.9	1247.0
19	0.79	39.4	1.0	1228.78	54.07	27.03	0.0	21.0	0.0	1408.0	221.9
20	0.79	43.2	1.1	406.59	17.89	8.94	0.0	21.0	0.0	485.9	76.6

xc = 50.421 yc = 24.682 Rc = 17.444 Fs=2.457

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.46	-17.9	0.5	146.44	6.44	3.22	0.0	21.0	0.0	162.1	25.3
2	1.01	-15.4	1.0	1173.57	51.64	25.82	0.0	21.0	0.0	1272.3	198.8
3	1.01	-12.0	1.0	2295.94	101.02	50.51	0.15	24.0	308.9	2252.4	1036.2
4	1.35	-8.1	1.4	4150.37	182.62	91.31	0.15	24.0	968.1	3420.9	1450.8
5	0.66	-4.8	0.7	2552.49	112.31	56.15	0.15	24.0	671.9	1950.6	760.7
6	1.01	-2.0	1.0	4566.58	200.93	100.46	0.15	24.0	1210.7	3401.4	1230.9
7	1.01	1.3	1.0	5725.56	251.92	125.96	0.15	24.0	1409.3	4286.1	1391.0
8	1.01	4.6	1.0	6652.46	292.71	146.35	0.15	24.0	1585.2	4961.8	1515.3
9	1.01	7.9	1.0	6890.15	303.17	151.58	0.15	24.0	1690.1	5036.8	1532.8
10	1.01	11.3	1.0	6846.06	301.23	150.61	0.15	24.0	1746.9	4897.7	1513.8
11	1.01	14.7	1.0	6628.34	291.65	145.82	0.15	24.0	1741.6	4663.9	1480.0
12	1.01	18.1	1.1	6297.27	277.08	138.54	0.15	24.0	1659.9	4406.6	1444.7
13	1.01	21.6	1.1	5808.88	255.59	127.8	0.15	24.0	1522.0	4058.1	1396.1
14	0.84	24.9	0.9	4354.06	191.58	95.79	0.15	24.0	1110.1	3056.2	1121.0
15	1.17	28.7	1.3	5053.82	222.37	111.18	0.15	24.0	1212.3	3578.6	1462.2
16	1.01	32.8	1.2	3521.05	154.93	77.46	0.15	24.0	632.4	2655.6	1212.0
17	1.01	36.8	1.3	2814.78	123.85	61.93	0.15	24.0	144.6	2431.4	1208.1
18	1.01	41.1	1.3	1791.03	78.81	39.4	0.0	21.0	0.0	2091.7	326.8
19	0.59	44.7	0.8	614.25	27.03	13.51	0.0	21.0	0.0	748.0	116.9
20	0.96	48.4	1.4	704.93	31.02	15.51	0.0	21.0	0.0	902.6	141.0

xc = 52.112 yc = 23.09 Rc = 15.853 Fs=2.453

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.42	-22.4	0.5	115.39	5.08	2.54	0.0	21.0	0.0	133.4	20.9
2	1.01	-19.6	1.1	1289.71	56.75	28.37	0.0	21.0	0.0	1450.3	226.9

3	1.45	-15.0	1.5	3466.36	152.52	76.26	0.15	24.0	531.2	3452.3	1545.2
4	0.56	-11.2	0.6	1917.37	84.36	42.18	0.15	24.0	430.3	1645.0	648.2
5	1.01	-8.4	1.0	4264.96	187.66	93.83	0.15	24.0	1052.0	3430.6	1244.4
6	1.01	-4.7	1.0	5631.9	247.8	123.9	0.15	24.0	1360.0	4402.9	1416.3
7	1.01	-1.1	1.0	6754.43	297.19	148.6	0.15	24.0	1638.9	5145.1	1549.1
8	1.01	2.6	1.0	7177.58	315.81	157.91	0.15	24.0	1841.4	5270.8	1572.4
9	1.01	6.2	1.0	7310.68	321.67	160.83	0.15	24.0	1991.4	5180.7	1559.1
10	1.01	9.9	1.0	7263.47	319.59	159.8	0.15	24.0	2075.9	4998.6	1531.7
11	1.01	13.6	1.0	7097.75	312.3	156.15	0.15	24.0	2081.2	4797.4	1503.7
12	1.01	17.4	1.1	6770.94	297.92	148.96	0.15	24.0	2028.3	4511.5	1463.4
13	0.98	21.2	1.1	6097.87	268.31	134.15	0.15	24.0	1845.8	4027.9	1373.9
14	1.03	25.2	1.1	5712.73	251.36	125.68	0.15	24.0	1732.4	3750.4	1377.8
15	1.01	29.3	1.2	4959.66	218.22	109.11	0.15	24.0	1389.5	3356.2	1314.6
16	1.01	33.6	1.2	4415.19	194.27	97.13	0.15	24.0	986.9	3235.0	1325.5
17	1.01	38.1	1.3	3556.55	156.49	78.24	0.15	24.0	484.8	2880.4	1304.2
18	1.01	42.9	1.4	2911.99	128.13	64.06	0.15	24.0	0.0	2733.5	1335.4
19	0.7	47.2	1.0	1633.72	71.88	35.94	0.0	21.0	0.0	2057.1	321.9
20	0.96	51.9	1.6	977.81	43.02	21.51	0.0	21.0	0.0	1320.4	206.6

xc = 62.258 yc = 23.09 Rc = 10.734 Fs=1.085

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.39	-3.9	0.4	38.97	1.71	0.86	0.0	21.0	0.0	40.0	14.2
2	0.39	-1.8	0.4	96.39	4.24	2.12	0.0	21.0	0.0	97.5	34.5
3	0.28	-0.1	0.3	98.61	4.34	2.17	0.0	21.0	0.0	98.7	34.9
4	0.49	2.0	0.5	391.47	17.22	8.61	0.0	21.0	0.0	386.9	137.0
5	0.51	4.7	0.5	797.67	35.1	17.55	0.0	21.0	0.0	777.8	275.3
6	0.26	6.7	0.3	515.7	22.69	11.35	0.0	21.0	0.0	498.4	176.4
7	0.39	8.5	0.4	813.07	35.77	17.89	0.0	21.0	0.0	780.8	276.4
8	0.36	10.5	0.4	805.25	35.43	17.72	0.0	21.0	0.0	768.5	272.0
9	0.41	12.6	0.4	927.57	40.81	20.41	0.0	21.0	0.0	880.8	311.7
10	0.39	14.8	0.4	857.88	37.75	18.87	0.0	21.0	0.0	811.5	287.2
11	0.21	16.4	0.2	460.47	20.26	10.13	0.0	21.0	0.0	434.7	153.9
12	0.56	18.6	0.6	1246.66	54.85	27.43	0.0	21.0	0.0	1175.4	416.0
13	0.45	21.5	0.5	1039.56	45.74	22.87	0.0	21.0	0.0	980.6	347.1
14	0.32	23.7	0.4	733.55	32.28	16.14	0.0	21.0	0.0	693.4	245.4
15	0.39	25.8	0.4	794.77	34.97	17.49	0.0	21.0	0.0	753.8	266.8
16	0.3	27.8	0.3	546.25	24.04	12.02	0.0	21.0	0.0	520.4	184.2
17	0.47	30.2	0.5	702.61	30.91	15.46	0.0	21.0	0.0	674.0	238.6
18	0.39	32.9	0.5	384.22	16.91	8.45	0.0	21.0	0.0	372.3	131.8
19	0.39	35.3	0.5	206.68	9.09	4.55	0.0	21.0	0.0	202.5	71.7
20	0.39	37.9	0.5	73.82	3.25	1.62	0.0	21.0	0.0	73.3	26.0

xc = 63.949 yc = 24.682 Rc = 11.301 Fs=1.411

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.07	-3.0	0.1	4.35	0.19	0.1	0.0	21.0	0.0	4.4	1.2
2	0.56	-1.4	0.6	178.56	7.86	3.93	0.0	21.0	0.0	179.8	48.9
3	0.44	1.1	0.4	281.76	12.4	6.2	0.0	21.0	0.0	280.3	76.2
4	0.19	2.7	0.2	148.38	6.53	3.26	0.0	21.0	0.0	146.6	39.9
5	0.32	4.0	0.3	267.98	11.79	5.9	0.0	21.0	0.0	263.6	71.7
6	0.32	5.6	0.3	287.31	12.64	6.32	0.0	21.0	0.0	281.2	76.5
7	0.18	6.9	0.2	174.43	7.67	3.84	0.0	21.0	0.0	170.1	46.3
8	0.45	8.5	0.5	488.96	21.51	10.76	0.0	21.0	0.0	475.0	129.2
9	0.32	10.5	0.3	412.24	18.14	9.07	0.0	21.0	0.0	399.1	108.6
10	0.24	11.9	0.2	348.31	15.33	7.66	0.0	21.0	0.0	336.6	91.6
11	0.39	13.6	0.4	574.03	25.26	12.63	0.0	21.0	0.0	554.1	150.7
12	0.32	15.4	0.3	441.55	19.43	9.71	0.0	21.0	0.0	426.1	115.9
13	0.3	17.1	0.3	392.46	17.27	8.63	0.0	21.0	0.0	378.9	103.1
14	0.33	18.8	0.4	389.91	17.16	8.58	0.0	21.0	0.0	377.0	102.5
15	0.32	20.5	0.3	301.19	13.25	6.63	0.0	21.0	0.0	291.9	79.4
16	0.32	22.2	0.3	228.75	10.06	5.03	0.0	21.0	0.0	222.4	60.5
17	0.32	24.0	0.3	167.86	7.39	3.69	0.0	21.0	0.0	163.9	44.6
18	0.32	25.7	0.4	130.13	5.73	2.86	0.0	21.0	0.0	127.7	34.7
19	0.32	27.5	0.4	85.3	3.75	1.88	0.0	21.0	0.0	84.2	22.9
20	0.32	29.4	0.4	31.89	1.4	0.7	0.0	21.0	0.0	31.7	8.6

xc = 14.91 yc = 26.273 Rc = 23.971 Fs=1.392

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.68	-0.4	0.7	120.7	5.31	2.66	0.0	21.0	0.0	120.9	33.4
2	0.39	0.9	0.4	170.33	7.49	3.75	0.0	21.0	0.0	169.6	46.8
3	0.61	2.1	0.6	400.43	17.62	8.81	0.0	21.0	0.0	396.7	109.4
4	0.46	3.4	0.5	432.97	19.05	9.53	0.0	21.0	0.0	426.8	117.7
5	0.55	4.6	0.6	724.07	31.86	15.93	0.0	21.0	0.0	710.7	196.0
6	0.52	5.9	0.5	764.52	33.64	16.82	0.0	21.0	0.0	747.3	206.1
7	0.54	7.2	0.5	724.66	31.89	15.94	0.0	21.0	13.1	693.1	191.2
8	0.54	8.4	0.5	708.59	31.18	15.59	0.0	21.0	31.3	657.8	181.4
9	0.42	9.6	0.4	561.19	24.69	12.35	0.0	21.0	32.6	512.2	141.3
10	0.65	10.9	0.7	873.72	38.44	19.22	0.0	21.0	65.5	781.6	215.6

11	0.35	12.1	0.4	464.71	20.45	10.22	0.0	21.0	32.9	416.9	115.0
12	0.72	13.4	0.7	1033.69	45.48	22.74	0.0	21.0	56.6	942.5	259.9
13	0.29	14.7	0.3	464.51	20.44	10.22	0.0	21.0	17.3	431.1	118.9
14	1.01	16.3	1.0	1713.71	75.4	37.7	0.0	21.0	12.0	1640.6	452.5
15	0.31	17.9	0.3	524.87	23.09	11.55	0.0	21.0	0.0	506.5	139.7
16	0.69	19.2	0.7	1040.81	45.8	22.9	0.0	21.0	0.0	1005.5	277.3
17	0.38	20.6	0.4	476.92	20.98	10.49	0.0	21.0	0.0	461.6	127.3
18	0.63	21.9	0.7	598.78	26.35	13.17	0.0	21.0	0.0	580.9	160.2
19	0.44	23.2	0.5	261.63	11.51	5.76	0.0	21.0	0.0	254.6	70.2
20	0.54	24.5	0.6	115.22	5.07	2.53	0.0	21.0	0.0	112.5	31.0

xc = 16.601 yc = 27.865 Rc = 25.576 Fs=1.393

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.46	-3.9	0.5	68.11	3.0	1.5	0.0	21.0	0.0	69.6	19.2
2	1.01	-2.3	1.0	579.12	25.48	12.74	0.0	21.0	0.0	585.9	161.5
3	0.42	-0.7	0.4	436.47	19.2	9.6	0.0	21.0	0.0	437.9	120.7
4	0.58	0.5	0.6	856.61	37.69	18.85	0.0	21.0	5.1	849.6	234.2
5	0.68	1.9	0.7	1151.95	50.69	25.34	0.0	21.0	78.1	1064.8	293.5
6	0.63	3.4	0.6	1035.69	45.57	22.79	0.0	21.0	143.9	879.1	242.3
7	0.7	4.9	0.7	1242.04	54.65	27.32	0.0	21.0	218.5	1003.7	276.7
8	0.56	6.3	0.6	1044.51	45.96	22.98	0.0	21.0	213.4	811.5	223.7
9	0.45	7.4	0.4	855.57	37.65	18.82	0.0	21.0	185.4	652.4	179.8
10	1.01	9.1	1.0	2218.94	97.63	48.82	0.0	21.0	468.6	1697.8	468.0
11	0.44	10.7	0.4	1109.7	48.83	24.41	0.0	21.0	213.1	867.2	239.1
12	0.56	11.9	0.6	1486.45	65.4	32.7	0.0	21.0	276.5	1168.7	322.2
13	1.01	13.7	1.0	2630.04	115.72	57.86	0.0	21.0	469.8	2083.6	574.4
14	0.32	15.2	0.3	792.3	34.86	17.43	0.0	21.0	141.7	627.2	172.9
15	0.68	16.4	0.7	1535.34	67.55	33.78	0.0	21.0	268.0	1221.9	336.8
16	0.58	17.8	0.6	1124.01	49.46	24.73	0.0	21.0	190.6	900.7	248.3
17	0.43	19.0	0.5	708.42	31.17	15.59	0.0	21.0	109.7	578.4	159.4
18	1.01	20.7	1.1	1216.78	53.54	26.77	0.0	21.0	153.5	1029.5	283.8
19	0.46	22.5	0.5	317.67	13.98	6.99	0.0	21.0	2.3	306.4	84.5
20	0.63	23.8	0.7	162.84	7.16	3.58	0.0	21.0	0.0	158.7	43.7

xc = 18.292 yc = 26.273 Rc = 23.998 Fs=2.458

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

-											
1	1.01	-6.5	1.0	358.56	15.78	7.89	0.0	21.0	0.0	367.3	57.4
2	0.36	-4.8	0.4	317.5	13.97	6.98	0.0	21.0	0.0	322.9	50.4
3	0.64	-3.6	0.6	890.12	39.17	19.58	0.0	21.0	0.0	900.7	140.7
4	0.72	-2.0	0.7	1246.54	54.85	27.42	0.0	21.0	101.6	1151.8	179.9
5	0.68	-0.3	0.7	1209.15	53.2	26.6	0.0	21.0	203.4	1006.5	157.2
6	0.6	1.3	0.6	1189.41	52.33	26.17	0.0	21.0	255.4	931.1	145.4
7	1.01	3.2	1.0	2192.32	96.46	48.23	0.0	21.0	562.2	1618.6	252.8
8	0.44	4.9	0.4	1076.79	47.38	23.69	0.0	21.0	288.3	780.9	121.9
9	0.56	6.1	0.6	1546.72	68.06	34.03	0.0	21.0	399.4	1134.9	177.2
10	1.01	8.0	1.0	3120.29	137.29	68.65	0.15	24.0	771.9	2227.5	1023.5
11	0.48	9.8	0.5	1576.99	69.39	34.69	0.15	24.0	389.7	1118.1	502.1
12	0.52	11.0	0.5	1685.66	74.17	37.08	0.15	24.0	422.2	1182.2	538.8
13	1.01	12.9	1.0	3074.17	135.26	67.63	0.15	24.0	806.4	2095.3	1009.4
14	0.52	14.8	0.5	1455.89	64.06	32.03	0.15	24.0	402.9	956.0	504.2
15	0.48	16.0	0.5	1225.64	53.93	26.96	0.0	21.0	354.8	867.1	135.4
16	1.01	17.9	1.1	2170.9	95.52	47.76	0.0	21.0	669.2	1502.2	234.6
17	0.57	19.9	0.6	949.41	41.77	20.89	0.0	21.0	311.8	641.7	100.2
18	0.68	21.5	0.7	851.07	37.45	18.72	0.0	21.0	306.0	551.8	86.2
19	0.68	23.2	0.7	517.21	22.76	11.38	0.0	21.0	211.5	311.8	48.7
20	0.68	25.0	0.8	171.83	7.56	3.78	0.0	21.0	91.6	82.5	12.9

xc = 31.82 yc = 26.273 Rc = 24.105 Fs=2.324

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Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
-											
1	0.2	-23.9	0.2	27.52	1.21	0.61	0.0	21.0	0.0	32.5	5.4
2	1.01	-22.4	1.1	819.44	36.06	18.03	0.0	21.0	0.0	951.0	157.1
3	1.01	-19.8	1.1	1737.8	76.46	38.23	0.0	21.0	85.7	1867.4	308.5
4	1.01	-17.3	1.1	2450.51	107.82	53.91	0.0	21.0	641.6	1997.5	330.0
5	1.01	-14.8	1.0	3055.65	134.45	67.22	0.15	24.0	1136.9	2277.9	1108.3
6	2.01	-11.1	2.1	7509.12	330.4	165.2	0.15	24.0	3597.1	4414.5	2169.9
7	1.01	-7.5	1.0	2052.46	90.31	45.15	0.15	24.0	0.0	2212.1	1079.0
8	1.01	-5.1	1.0	5153.28	226.74	113.37	0.15	24.0	2662.9	2602.7	1150.8
9	1.01	-2.7	1.0	6932.96	305.05	152.53	0.15	24.0	2937.0	4067.6	1429.6
10	1.01	-0.3	1.0	8362.17	367.94	183.97	0.15	24.0	3143.3	5227.5	1651.2
11	1.01	2.1	1.0	8686.27	382.2	191.1	0.15	24.0	3307.4	5321.4	1669.6
12	1.01	4.5	1.0	8697.25	382.68	191.34	0.15	24.0	3417.1	5167.5	1641.7
13	1.01	6.9	1.0	8524.8	375.09	187.55	0.15	24.0	3496.1	4873.3	1588.0
14	1.01	9.3	1.0	8391.17	369.21	184.61	0.15	24.0	3531.9	4669.6	1552.9
15	3.02	14.2	3.1	23529.93	1035.32	517.66	0.15	24.0	10375.4	12456.0	4397.0
16	4.34	23.6	4.7	25628.38	1127.65	563.82	0.15	24.0	12274.9	12213.4	5399.2
17	0.69	30.2	0.8	3125.26	137.51	68.76	0.15	24.0	1372.9	1555.2	811.4
18	1.01	32.5	1.2	4162.82	183.16	91.58	0.15	24.0	1634.1	2234.8	1198.5

19	1.01	35.4	1.23	530.45	155.34	77.67	0.15	24.0	1132.4	2090.9	1197.6
20	2.71	41.2	3.64	893.08	215.3	107.65	0.0	21.0	0.0	5678.8	938.2

xc = 40.275 yc = 27.865 Rc = 20.462 Fs=1.089

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.28	8.0	0.3	7.59	0.33	0.17	0.0	21.0	0.0	7.3	2.6
2	0.33	8.9	0.3	30.4	1.34	0.67	0.0	21.0	0.0	29.2	10.3
3	0.31	9.8	0.3	50.64	2.23	1.11	0.0	21.0	0.0	48.4	17.1
4	0.37	10.7	0.4	86.85	3.82	1.91	0.0	21.0	0.0	82.9	29.2
5	0.24	11.6	0.2	74.26	3.27	1.63	0.0	21.0	0.0	70.7	24.9
6	0.31	12.4	0.3	125.11	5.5	2.75	0.0	21.0	0.0	118.9	41.9
7	0.31	13.3	0.3	156.24	6.87	3.44	0.0	21.0	0.0	148.2	52.2
8	0.16	13.9	0.2	90.34	3.97	1.99	0.0	21.0	0.0	85.6	30.2
9	0.46	14.8	0.5	281.47	12.38	6.19	0.0	21.0	0.0	266.3	93.8
10	0.31	15.9	0.3	191.53	8.43	4.21	0.0	21.0	0.0	181.0	63.8
11	0.24	16.7	0.3	152.11	6.69	3.35	0.0	21.0	0.0	143.6	50.6
12	0.37	17.6	0.4	241.37	10.62	5.31	0.0	21.0	0.0	227.8	80.3
13	0.31	18.6	0.3	217.88	9.59	4.79	0.0	21.0	0.0	205.5	72.4
14	0.33	19.6	0.4	250.73	11.03	5.52	0.0	21.0	0.0	236.5	83.3
15	0.28	20.5	0.3	189.1	8.32	4.16	0.0	21.0	0.0	178.4	62.9
16	0.31	21.3	0.3	143.72	6.32	3.16	0.0	21.0	0.0	135.6	47.8
17	0.31	22.3	0.3	74.45	3.28	1.64	0.0	21.0	0.0	70.3	24.8
18	0.31	23.2	0.3	11.12	0.49	0.24	0.0	21.0	0.0	10.5	3.7
19	0.31	24.1	0.3	9.24	0.41	0.2	0.0	21.0	0.0	8.7	3.1
20	0.31	25.1	0.3	3.95	0.17	0.09	0.0	21.0	0.0	3.7	1.3

xc = 41.966 yc = 26.273 Rc = 19.036 Fs=0.963

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.05	-2.2	0.1	0.49	0.02	0.01	0.0	21.0	0.0	0.5	0.2
2	1.01	-0.6	1.0	181.76	8.0	4.0	0.0	21.0	0.0	182.6	72.8
3	1.01	2.4	1.0	515.84	22.7	11.35	0.0	21.0	0.0	507.8	202.5
4	0.41	4.5	0.4	316.48	13.93	6.96	0.0	21.0	18.9	289.3	115.4
5	0.59	6.1	0.6	561.37	24.7	12.35	0.0	21.0	56.0	487.6	194.4
6	0.65	7.9	0.7	779.65	34.3	17.15	0.0	21.0	81.2	668.1	266.4
7	0.36	9.5	0.4	521.15	22.93	11.47	0.0	21.0	47.7	450.1	179.5

8	1.01	11.6	1.0	1624.2	71.46	35.73	0.0	21.0	125.3	1414.5	564.1
9	0.49	13.9	0.5	862.51	37.95	18.98	0.0	21.0	42.6	768.8	306.6
10	0.52	15.4	0.5	982.66	43.24	21.62	0.0	21.0	20.0	899.6	358.8
11	0.72	17.4	0.8	1275.72	56.13	28.07	0.0	21.0	0.0	1188.4	473.9
12	0.62	19.5	0.7	849.97	37.4	18.7	0.0	21.0	0.0	790.1	315.1
13	0.67	21.6	0.7	963.69	42.4	21.2	0.0	21.0	0.0	895.1	357.0
14	0.57	23.6	0.6	800.68	35.23	17.61	0.0	21.0	0.0	744.1	296.8
15	0.44	25.3	0.5	580.94	25.56	12.78	0.0	21.0	0.0	540.6	215.6
16	1.01	27.7	1.1	1607.39	70.73	35.36	0.0	21.0	0.0	1501.2	598.7
17	0.41	30.1	0.5	722.86	31.81	15.9	0.0	21.0	0.0	678.7	270.7
18	0.59	31.9	0.7	837.62	36.86	18.43	0.0	21.0	0.0	790.4	315.2
19	0.64	34.1	0.8	600.37	26.42	13.21	0.0	21.0	0.0	570.9	227.7
20	0.62	36.5	0.8	238.33	10.49	5.24	0.0	21.0	0.0	228.9	91.3

xc = 43.657 yc = 27.865 Rc = 20.033 Fs=1.00

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.37	1.2	0.4	34.88	1.53	0.77	0.0	21.0	0.0	34.6	13.3
2	1.01	3.2	1.0	526.16	23.15	11.58	0.0	21.0	0.0	515.9	198.0
3	0.29	5.1	0.3	254.64	11.2	5.6	0.0	21.0	0.0	247.2	94.9
4	0.72	6.5	0.7	768.48	33.81	16.91	0.0	21.0	0.0	741.1	284.4
5	0.39	8.1	0.4	496.55	21.85	10.92	0.0	21.0	0.0	475.6	182.5
6	0.62	9.6	0.6	939.05	41.32	20.66	0.0	21.0	0.0	894.5	343.3
7	0.49	11.2	0.5	773.66	34.04	17.02	0.0	21.0	0.0	733.0	281.3
8	0.55	12.7	0.6	758.47	33.37	16.69	0.0	21.0	0.0	715.6	274.7
9	0.55	14.3	0.6	761.21	33.49	16.75	0.0	21.0	0.0	715.5	274.6
10	0.41	15.8	0.4	621.52	27.35	13.67	0.0	21.0	0.0	582.7	223.6
11	0.7	17.4	0.7	1119.51	49.26	24.63	0.0	21.0	0.0	1047.2	401.9
12	0.31	18.9	0.3	500.49	22.02	11.01	0.0	21.0	0.0	467.6	179.5
13	1.01	20.9	1.1	2098.77	92.35	46.17	0.0	21.0	0.0	1959.4	752.0
14	0.35	23.0	0.4	859.52	37.82	18.91	0.0	21.0	0.0	802.9	308.2
15	0.66	24.6	0.7	1475.06	64.9	32.45	0.0	21.0	0.0	1379.8	529.6
16	0.45	26.4	0.5	909.18	40.0	20.0	0.0	21.0	0.0	852.5	327.2
17	0.55	28.0	0.6	963.31	42.39	21.19	0.0	21.0	0.0	906.0	347.7
18	0.56	29.8	0.6	740.14	32.57	16.28	0.0	21.0	0.0	699.2	268.4
19	0.45	31.5	0.5	368.9	16.23	8.12	0.0	21.0	0.0	350.2	134.4
20	0.66	33.3	0.8	199.32	8.77	4.38	0.0	21.0	0.0	190.5	73.1

xc = 45.348 yc = 26.273 Rc = 18.152 Fs=1.049

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.54	-1.1	0.5	115.86	5.1	2.55	0.0	21.0	0.0	116.7	42.7
2	0.57	0.7	0.6	326.42	14.36	7.18	0.0	21.0	0.0	325.0	118.9
3	0.44	2.3	0.4	357.28	15.72	7.86	0.0	21.0	0.0	352.5	128.9
4	0.67	4.0	0.7	761.4	33.5	16.75	0.0	21.0	0.0	744.2	272.2
5	0.34	5.6	0.3	486.61	21.41	10.71	0.0	21.0	0.0	472.0	172.7
6	0.77	7.4	0.8	1125.01	49.5	24.75	0.0	21.0	0.0	1083.1	396.2
7	0.55	9.5	0.6	725.63	31.93	15.96	0.0	21.0	0.0	693.3	253.6
8	0.69	11.5	0.7	1094.63	48.16	24.08	0.0	21.0	0.0	1039.7	380.4
9	0.42	13.3	0.4	742.7	32.68	16.34	0.0	21.0	0.0	702.5	257.0
10	0.59	14.9	0.6	1102.69	48.52	24.26	0.0	21.0	0.0	1039.8	380.4
11	0.52	16.7	0.5	1136.37	50.0	25.0	0.0	21.0	0.0	1069.1	391.1
12	0.49	18.4	0.5	1311.81	57.72	28.86	0.0	21.0	0.0	1232.5	450.9
13	0.62	20.2	0.7	1764.78	77.65	38.83	0.0	21.0	0.0	1657.4	606.3
14	0.39	21.9	0.4	1045.58	46.01	23.0	0.0	21.0	0.0	982.4	359.4
15	0.72	23.8	0.8	1808.39	79.57	39.78	0.0	21.0	0.0	1701.9	622.6
16	0.29	25.6	0.3	659.89	29.04	14.52	0.0	21.0	0.0	622.6	227.7
17	1.01	27.9	1.1	1824.47	80.28	40.14	0.0	21.0	0.0	1729.3	632.6
18	0.37	30.3	0.4	446.06	19.63	9.81	0.0	21.0	0.0	425.7	155.7
19	0.55	32.0	0.7	470.1	20.68	10.34	0.0	21.0	0.0	451.3	165.1
20	0.55	34.1	0.7	178.94	7.87	3.94	0.0	21.0	0.0	173.2	63.4

xc = 47.039 yc = 27.865 Rc = 18.982 Fs=1.123

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.42	0.1	0.4	70.24	3.09	1.55	0.0	21.0	0.0	70.2	24.0
2	0.56	1.6	0.6	176.28	7.76	3.88	0.0	21.0	0.0	174.7	59.7
3	0.49	3.2	0.5	135.22	5.95	2.97	0.0	21.0	0.0	132.9	45.4
4	0.49	4.7	0.5	216.99	9.55	4.77	0.0	21.0	0.0	211.8	72.4
5	0.47	6.1	0.5	347.43	15.29	7.64	0.0	21.0	0.0	337.0	115.3
6	0.51	7.6	0.5	503.7	22.16	11.08	0.0	21.0	0.0	485.9	166.2
7	0.49	9.2	0.5	582.65	25.64	12.82	0.0	21.0	0.0	559.3	191.3
8	0.49	10.7	0.5	767.86	33.79	16.89	0.0	21.0	0.0	734.1	251.0
9	0.52	12.2	0.5	1126.19	49.55	24.78	0.0	21.0	0.0	1072.8	366.9
10	0.47	13.7	0.5	1153.1	50.74	25.37	0.0	21.0	0.0	1095.5	374.6
11	0.54	15.3	0.6	1322.11	58.17	29.09	0.0	21.0	0.0	1253.4	428.6
12	0.44	16.9	0.5	1061.04	46.69	23.34	0.0	21.0	0.0	1004.6	343.5
13	0.56	18.5	0.6	1308.58	57.58	28.79	0.0	21.0	0.0	1238.2	423.4
14	0.42	20.0	0.4	901.64	39.67	19.84	0.0	21.0	0.0	853.3	291.8
15	0.59	21.6	0.6	1079.82	47.51	23.76	0.0	21.0	0.0	1022.9	349.8

16	0.4	23.3	0.4	617.63	27.18	13.59	0.0	21.0	0.0	586.1	200.4
17	0.61	24.9	0.7	797.67	35.1	17.55	0.0	21.0	0.0	759.0	259.5
18	0.37	26.6	0.4	370.16	16.29	8.14	0.0	21.0	0.0	353.4	120.9
19	0.49	28.0	0.6	307.85	13.55	6.77	0.0	21.0	0.0	295.0	100.9
20	0.49	29.7	0.6	96.5	4.25	2.12	0.0	21.0	0.0	93.0	31.8

xc = 48.73 yc = 26.273 Rc = 18.027 Fs=2.349

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.52	-8.6	0.5	111.42	4.9	2.45	0.0	21.0	0.0	115.6	18.9
2	1.01	-6.2	1.0	930.7	40.95	20.48	0.0	21.0	0.0	953.0	155.7
3	0.53	-3.7	0.5	755.32	33.23	16.62	0.0	21.0	0.0	765.1	125.0
4	0.68	-1.8	0.7	1019.19	44.84	22.42	0.0	21.0	0.0	1025.0	167.5
5	0.8	0.5	0.8	1593.29	70.1	35.05	0.0	21.0	39.8	1551.2	253.4
6	0.56	2.7	0.6	1385.25	60.95	30.48	0.15	24.0	84.2	1273.9	602.1
7	0.44	4.3	0.4	1208.64	53.18	26.59	0.15	24.0	89.2	1085.7	488.7
8	1.01	6.6	1.0	3574.65	157.28	78.64	0.15	24.0	277.3	3174.4	1248.3
9	0.6	9.2	0.6	2574.59	113.28	56.64	0.15	24.0	206.4	2266.3	819.3
10	0.4	10.8	0.4	1743.51	76.71	38.36	0.15	24.0	145.6	1521.6	550.6
11	1.01	13.1	1.0	4378.84	192.67	96.33	0.15	24.0	368.4	3796.4	1379.1
12	0.64	15.8	0.7	2698.2	118.72	59.36	0.15	24.0	220.7	2329.4	866.9
13	0.37	17.5	0.4	1450.64	63.83	31.91	0.15	24.0	109.8	1253.9	482.0
14	1.01	19.8	1.1	3748.18	164.92	82.46	0.15	24.0	225.8	3274.5	1303.3
15	1.01	23.3	1.1	3224.59	141.88	70.94	0.0	21.0	42.5	3236.2	528.7
16	0.36	25.6	0.4	977.11	42.99	21.5	0.0	21.0	0.0	1004.9	164.2
17	0.65	27.4	0.7	1565.23	68.87	34.44	0.0	21.0	0.0	1625.5	265.6
18	0.72	29.9	0.8	1299.65	57.18	28.59	0.0	21.0	0.0	1370.4	223.9
19	0.68	32.5	0.8	709.63	31.22	15.61	0.0	21.0	0.0	762.0	124.5
20	0.68	35.1	0.8	242.73	10.68	5.34	0.0	21.0	0.0	266.2	43.5

xc = 52.112 yc = 26.273 Rc = 19.036 Fs=2.265

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.77	-19.1	0.8	356.89	15.7	7.85	0.0	21.0	0.0	401.1	68.0
2	1.01	-16.2	1.0	1589.62	69.94	34.97	0.0	21.0	0.0	1741.8	295.2
3	1.46	-12.4	1.5	3753.46	165.15	82.58	0.15	24.0	672.2	3526.0	1685.0
4	0.55	-9.3	0.6	1936.32	85.2	42.6	0.15	24.0	450.6	1618.5	687.1

5	1.01	-7.0	1.0	4319.3	190.05	95.02	0.15	24.0	1080.6	3426.9	1345.0
6	1.01	-3.9	1.0	5649.0	248.56	124.28	0.15	24.0	1369.0	4394.9	1531.9
7	1.01	-0.9	1.0	6755.29	297.23	148.62	0.15	24.0	1639.4	5142.4	1677.3
8	1.01	2.1	1.0	7182.7	316.04	158.02	0.15	24.0	1844.1	5278.5	1704.5
9	1.01	5.2	1.0	7340.68	322.99	161.5	0.15	24.0	2007.2	5201.9	1691.7
10	1.01	8.2	1.0	7339.77	322.95	161.47	0.15	24.0	2116.1	5037.4	1663.5
11	1.01	11.3	1.0	7243.22	318.7	159.35	0.15	24.0	2157.7	4859.3	1634.8
12	1.01	14.4	1.0	7010.85	308.48	154.24	0.15	24.0	2154.6	4604.6	1593.2
13	2.01	19.2	2.1	12602.63	554.52	277.26	0.15	24.0	4064.8	8001.6	2984.1
14	1.01	24.1	1.1	5676.9	249.78	124.89	0.15	24.0	1767.0	3636.9	1444.7
15	1.01	27.4	1.1	5380.83	236.76	118.38	0.15	24.0	1495.2	3618.9	1462.1
16	1.01	30.9	1.2	4836.9	212.82	106.41	0.15	24.0	1158.7	3419.5	1448.7
17	1.01	34.5	1.2	4597.39	202.29	101.14	0.15	24.0	737.3	3636.7	1523.4
18	1.01	38.3	1.3	4343.3	191.11	95.55	0.15	24.0	208.1	3980.1	1631.0
19	1.01	42.2	1.4	3226.94	141.99	70.99	0.15	24.0	0.0	3005.0	1490.7
20	1.72	48.2	2.6	2716.93	119.55	59.77	0.0	21.0	0.0	3425.1	580.5

xc = 75.786 yc = 26.273 Rc = 11.72 Fs=2.391

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.47	-17.3	0.5	64.56	2.84	1.42	0.0	21.0	0.0	71.1	11.4
2	0.38	-15.1	0.4	142.56	6.27	3.14	0.15	24.0	0.0	226.3	291.4
3	0.68	-12.4	0.7	879.09	38.68	19.34	0.15	24.0	0.0	1039.3	632.1
4	0.33	-9.9	0.3	725.72	31.93	15.97	0.15	24.0	0.0	799.6	361.9
5	0.48	-7.9	0.5	1133.95	49.89	24.95	0.15	24.0	0.0	1218.1	532.0
6	0.45	-5.6	0.5	1173.09	51.62	25.81	0.15	24.0	0.0	1228.6	513.7
7	0.47	-3.3	0.5	1254.5	55.2	27.6	0.15	24.0	0.0	1287.3	533.1
8	0.47	-1.0	0.5	1272.71	56.0	28.0	0.15	24.0	0.0	1282.3	531.7
9	0.47	1.3	0.5	1274.08	56.06	28.03	0.15	24.0	0.0	1262.7	528.1
10	0.47	3.6	0.5	1256.94	55.31	27.65	0.15	24.0	0.0	1226.9	522.0
11	0.47	5.8	0.5	3357.14	147.71	73.86	0.15	24.0	0.0	3282.0	905.5
12	0.47	8.1	0.5	5843.42	257.11	128.56	0.15	24.0	0.0	5708.5	1358.7
13	0.47	10.5	0.5	5775.91	254.14	127.07	0.15	24.0	0.0	5625.2	1345.2
14	0.47	12.8	0.5	5690.86	250.4	125.2	0.15	24.0	0.0	5533.6	1330.6
15	0.47	15.1	0.5	5588.15	245.88	122.94	0.15	24.0	0.0	5433.3	1315.1
16	0.47	17.5	0.5	5466.89	240.54	120.27	0.15	24.0	0.0	5323.1	1298.2
17	0.47	19.9	0.5	5326.07	234.35	117.17	0.15	24.0	0.0	5201.4	1280.0
18	0.47	22.4	0.5	5164.68	227.25	113.62	0.15	24.0	0.0	5066.7	1260.1
19	0.47	24.9	0.5	4982.52	219.23	109.62	0.15	24.0	0.0	4918.0	1238.6
20	0.47	27.4	0.5	3778.45	166.25	83.13	0.0	21.0	0.0	3929.7	630.8

xc = 14.91 yc = 29.457 Rc = 27.154 Fs=1.42

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.68	-0.3	0.7	120.14	5.29	2.64	0.0	21.0	0.0	120.3	32.5
2	0.46	0.9	0.5	208.95	9.19	4.6	0.0	21.0	0.0	208.1	56.3
3	0.54	1.9	0.5	363.2	15.98	7.99	0.0	21.0	0.0	360.1	97.4
4	0.6	3.1	0.6	607.41	26.73	13.36	0.0	21.0	0.0	599.4	162.1
5	0.41	4.2	0.4	562.12	24.73	12.37	0.0	21.0	0.0	552.6	149.4
6	0.74	5.4	0.7	1086.87	47.82	23.91	0.0	21.0	4.3	1060.3	286.7
7	0.57	6.8	0.6	771.13	33.93	16.96	0.0	21.0	38.2	715.1	193.3
8	0.7	8.2	0.7	986.34	43.4	21.7	0.0	21.0	80.2	881.3	238.3
9	0.44	9.4	0.4	631.37	27.78	13.89	0.0	21.0	64.0	550.4	148.8
10	0.56	10.5	0.6	809.91	35.64	17.82	0.0	21.0	86.1	701.1	189.6
11	0.58	11.7	0.6	899.97	39.6	19.8	0.0	21.0	92.4	780.9	211.2
12	0.43	12.8	0.4	751.83	33.08	16.54	0.0	21.0	67.4	661.2	178.8
13	0.72	14.0	0.7	1359.76	59.83	29.91	0.0	21.0	92.4	1223.7	330.9
14	0.29	15.1	0.3	568.2	25.0	12.5	0.0	21.0	30.6	519.0	140.3
15	1.01	16.5	1.0	1859.49	81.82	40.91	0.0	21.0	53.3	1744.1	471.6
16	0.42	18.1	0.4	670.86	29.52	14.76	0.0	21.0	0.0	648.5	175.3
17	0.59	19.2	0.6	785.62	34.57	17.28	0.0	21.0	0.0	760.3	205.6
18	0.56	20.5	0.6	559.86	24.63	12.32	0.0	21.0	0.0	542.8	146.8
19	0.45	21.7	0.5	302.45	13.31	6.65	0.0	21.0	0.0	293.9	79.5
20	0.69	23.0	0.8	183.94	8.09	4.05	0.0	21.0	0.0	179.2	48.5

xc = 18.292 yc = 29.457 Rc = 27.181 Fs=2.359

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.06	-6.8	0.1	1.51	0.07	0.03	0.0	21.0	0.0	1.5	0.3
2	1.01	-5.7	1.0	390.91	17.2	8.6	0.0	21.0	0.0	399.3	65.0
3	1.01	-3.6	1.01	221.97	53.77	26.88	0.0	21.0	0.0	1236.9	201.3
4	2.01	-0.4	2.03	512.38	154.54	77.27	0.0	21.0	572.6	2943.1	478.9
5	0.5	2.3	0.51	057.73	46.54	23.27	0.0	21.0	256.2	797.0	129.7
6	0.51	3.3	0.51	139.52	50.14	25.07	0.0	21.0	303.2	829.9	135.1
7	1.01	4.9	1.02	649.94	116.6	58.3	0.0	21.0	701.6	1928.5	313.8
8	1.01	7.1	1.03	172.07	139.57	69.79	0.15	24.0	799.2	2258.4	1071.0
9	1.01	9.2	1.03	354.45	147.6	73.8	0.15	24.0	858.4	2351.6	1092.1
10	1.01	11.4	1.03	211.47	141.3	70.65	0.15	24.0	878.7	2166.1	1061.5
11	1.01	13.5	1.02	881.23	126.77	63.39	0.15	24.0	871.2	1826.1	1002.8
12	1.01	15.7	1.02	436.24	107.19	53.6	0.15	24.0	810.9	1425.6	933.8

13	0.8	17.7	0.8	1540.07	67.76	33.88	0.0	21.0	568.1	969.9	157.8
14	1.22	20.0	1.3	1610.44	70.86	35.43	0.0	21.0	698.3	916.3	149.1
15	1.01	22.5	1.1	292.73	12.88	6.44	0.0	21.0	0.0	296.8	48.3
16	0.53	24.2	0.6	84.51	3.72	1.86	0.0	21.0	0.0	86.4	14.1
17	0.48	25.4	0.5	189.76	8.35	4.17	0.0	21.0	32.2	162.0	26.4
18	1.01	27.1	1.1	1103.92	48.57	24.29	0.0	21.0	0.0	1145.0	186.3
19	1.01	29.6	1.2	1462.87	64.37	32.18	0.0	21.0	0.0	1539.6	250.5
20	1.18	32.2	1.4	718.55	31.62	15.81	0.0	21.0	0.0	770.5	125.4

xc = 33.511 yc = 31.048 Rc = 27.863 Fs=2.269

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.35	-17.8	0.4	39.69	1.75	0.87	0.0	21.0	0.0	44.1	7.5
2	1.01	-16.4	1.0	530.74	23.35	11.68	0.0	21.0	0.0	582.1	98.5
3	2.01	-13.2	2.1	2579.7	113.51	56.75	0.0	21.0	989.6	1700.4	287.6
4	1.01	-10.0	1.0	934.96	41.14	20.57	0.15	24.0	0.0	1106.6	892.5
5	1.01	-7.9	1.0	2884.84	126.93	63.47	0.15	24.0	1469.0	1565.2	978.6
6	1.01	-5.8	1.0	4765.03	209.66	104.83	0.15	24.0	1796.0	3114.7	1279.7
7	1.01	-3.7	1.0	6304.76	277.41	138.7	0.15	24.0	2060.5	4352.7	1520.5
8	1.01	-1.7	1.0	6749.81	296.99	148.5	0.15	24.0	2288.2	4508.6	1550.0
9	1.01	0.4	1.0	6892.63	303.28	151.64	0.15	24.0	2467.3	4414.7	1531.3
10	1.01	2.5	1.0	6863.6	302.0	151.0	0.15	24.0	2621.8	4181.6	1486.2
11	1.01	4.5	1.0	6885.83	302.98	151.49	0.15	24.0	2739.6	4043.2	1460.5
12	3.02	8.7	3.1	20073.72	883.24	441.62	0.15	24.0	8556.3	11010.9	4179.1
13	4.02	16.2	4.2	22619.35	995.25	497.63	0.15	24.0	10781.0	10902.2	4909.2
14	1.25	21.9	1.3	6201.52	272.87	136.43	0.15	24.0	2770.6	3096.9	1494.9
15	0.77	24.1	0.8	3720.89	163.72	81.86	0.15	24.0	1515.3	1992.8	946.3
16	1.01	26.1	1.1	4658.61	204.98	102.49	0.15	24.0	1726.2	2648.0	1260.4
17	1.01	28.5	1.1	4338.09	190.88	95.44	0.15	24.0	1383.7	2666.8	1279.8
18	2.01	32.1	2.4	6125.76	269.53	134.77	0.15	24.0	1523.8	3960.2	2347.0
19	1.01	35.8	1.2	2278.7	100.26	50.13	0.0	21.0	4.5	2499.0	422.7
20	2.65	40.7	3.5	4408.85	193.99	96.99	0.0	21.0	0.0	5074.9	858.5

xc = 45.348 yc = 29.457 Rc = 20.379 Fs=0.945

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.11	11.0	0.1	2.64	0.12	0.06	0.0	21.0	0.0	2.5	1.0

2	0.42	11.8	0.4	45.83	2.02	1.01	0.0	21.0	0.0	43.2	17.5
3	0.27	12.8	0.3	52.78	2.32	1.16	0.0	21.0	0.0	49.6	20.1
4	0.31	13.6	0.3	83.06	3.65	1.83	0.0	21.0	0.0	77.8	31.6
5	0.22	14.4	0.2	91.8	4.04	2.02	0.0	21.0	0.0	85.8	34.9
6	0.27	15.1	0.3	182.9	8.05	4.02	0.0	21.0	0.0	170.7	69.4
7	0.27	15.9	0.3	259.18	11.4	5.7	0.0	21.0	0.0	241.5	98.1
8	0.25	16.7	0.3	312.6	13.75	6.88	0.0	21.0	0.0	290.9	118.2
9	0.28	17.4	0.3	380.59	16.75	8.37	0.0	21.0	0.0	353.8	143.7
10	0.27	18.3	0.3	347.44	15.29	7.64	0.0	21.0	0.0	322.6	131.1
11	0.27	19.0	0.3	333.05	14.65	7.33	0.0	21.0	0.0	309.0	125.5
12	0.19	19.7	0.2	225.93	9.94	4.97	0.0	21.0	0.0	209.5	85.1
13	0.35	20.5	0.4	389.87	17.15	8.58	0.0	21.0	0.0	361.3	146.8
14	0.27	21.5	0.3	279.77	12.31	6.16	0.0	21.0	0.0	259.2	105.3
15	0.39	22.5	0.4	372.45	16.39	8.19	0.0	21.0	0.0	345.1	140.2
16	0.14	23.3	0.2	117.12	5.15	2.58	0.0	21.0	0.0	108.5	44.1
17	0.27	23.9	0.3	183.1	8.06	4.03	0.0	21.0	0.0	169.7	69.0
18	0.27	24.7	0.3	129.98	5.72	2.86	0.0	21.0	0.0	120.5	49.0
19	0.27	25.5	0.3	74.56	3.28	1.64	0.0	21.0	0.0	69.2	28.1
20	0.27	26.4	0.3	21.25	0.94	0.47	0.0	21.0	0.0	19.7	8.0

xc = 48.73 yc = 29.457 Rc = 19.813 Fs=1.329

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	3.9	0.5	67.43	2.97	1.48	0.0	21.0	0.0	66.3	19.1
2	0.26	4.9	0.3	116.68	5.13	2.57	0.0	21.0	0.0	114.3	33.0
3	0.38	5.9	0.4	338.73	14.9	7.45	0.0	21.0	0.0	330.7	95.5
4	0.37	7.0	0.4	522.5	22.99	11.5	0.0	21.0	0.0	508.5	146.9
5	0.38	8.1	0.4	650.42	28.62	14.31	0.0	21.0	0.0	631.1	182.3
6	0.38	9.2	0.4	659.15	29.0	14.5	0.0	21.0	0.0	637.9	184.3
7	0.24	10.1	0.2	436.19	19.19	9.6	0.0	21.0	0.0	421.4	121.7
8	0.51	11.2	0.5	924.56	40.68	20.34	0.0	21.0	0.0	891.5	257.5
9	0.5	12.7	0.5	913.72	40.2	20.1	0.0	21.0	0.0	879.4	254.0
10	0.26	13.8	0.3	463.14	20.38	10.19	0.0	21.0	0.0	445.3	128.6
11	0.38	14.7	0.4	632.46	27.83	13.91	0.0	21.0	0.0	607.8	175.6
12	0.37	15.9	0.4	564.92	24.86	12.43	0.0	21.0	0.0	542.7	156.8
13	0.38	17.0	0.4	534.92	23.54	11.77	0.0	21.0	0.0	514.0	148.5
14	0.38	18.2	0.4	490.02	21.56	10.78	0.0	21.0	0.0	471.1	136.1
15	0.25	19.1	0.3	296.97	13.07	6.53	0.0	21.0	0.0	285.7	82.5
16	0.51	20.3	0.5	522.18	22.98	11.49	0.0	21.0	0.0	503.0	145.3
17	0.5	21.8	0.5	360.38	15.86	7.93	0.0	21.0	0.0	348.0	100.5
18	0.26	23.0	0.3	128.13	5.64	2.82	0.0	21.0	0.0	124.0	35.8
19	0.38	24.0	0.4	125.02	5.5	2.75	0.0	21.0	0.0	121.3	35.0
20	0.38	25.2	0.4	43.7	1.92	0.96	0.0	21.0	0.0	42.5	12.3

xc = 50.421 yc = 31.048 Rc = 20.562 Fs=1.813

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.25	2.1	0.3	47.85	2.11	1.05	0.0	21.0	0.0	47.5	10.1
2	0.34	3.0	0.3	149.98	6.6	3.3	0.0	21.0	0.0	148.5	31.5
3	0.3	3.9	0.3	159.58	7.02	3.51	0.0	21.0	0.0	157.7	33.4
4	0.37	4.8	0.4	230.86	10.16	5.08	0.0	21.0	0.0	227.6	48.2
5	0.23	5.6	0.2	161.76	7.12	3.56	0.0	21.0	0.0	159.2	33.7
6	0.3	6.4	0.3	229.81	10.11	5.06	0.0	21.0	0.0	225.9	47.8
7	0.3	7.2	0.3	249.37	10.97	5.49	0.0	21.0	0.0	244.8	51.8
8	0.18	7.9	0.2	162.79	7.16	3.58	0.0	21.0	0.0	159.7	33.8
9	0.41	8.7	0.4	355.54	15.64	7.82	0.0	21.0	0.0	348.4	73.8
10	0.3	9.7	0.3	235.42	10.36	5.18	0.0	21.0	0.0	230.5	48.8
11	0.3	10.5	0.3	215.28	9.47	4.74	0.0	21.0	0.0	210.7	44.6
12	0.3	11.4	0.3	200.39	8.82	4.41	0.0	21.0	0.0	196.1	41.5
13	0.3	12.2	0.3	196.36	8.64	4.32	0.0	21.0	0.0	192.1	40.7
14	0.41	13.2	0.4	260.3	11.45	5.73	0.0	21.0	0.0	254.7	53.9
15	0.18	14.1	0.2	103.97	4.57	2.29	0.0	21.0	0.0	101.8	21.6
16	0.3	14.8	0.3	144.68	6.37	3.18	0.0	21.0	0.0	141.7	30.0
17	0.3	15.6	0.3	109.99	4.84	2.42	0.0	21.0	0.0	107.8	22.8
18	0.23	16.4	0.2	59.82	2.63	1.32	0.0	21.0	0.0	58.7	12.4
19	0.36	17.3	0.4	56.45	2.48	1.24	0.0	21.0	0.0	55.5	11.7
20	0.3	18.2	0.3	15.1	0.66	0.33	0.0	21.0	0.0	14.9	3.1

xc = 52.112 yc = 29.457 Rc = 19.826 Fs=1.639

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.3	-5.7	0.3	39.01	1.72	0.86	0.0	21.0	0.0	40.1	9.4
2	1.01	-3.8	1.01	131.19	49.77	24.89	0.0	21.0	0.0	1151.4	269.7
3	1.01	-0.8	1.02	221.03	97.73	48.86	0.0	21.0	0.0	2229.0	522.2
4	0.52	1.4	0.51	316.22	57.91	28.96	0.0	21.0	0.0	1309.3	306.7
5	0.49	2.8	0.51	319.47	58.06	29.03	0.0	21.0	0.0	1306.0	306.0
6	1.01	5.0	1.02	793.49	122.91	61.46	0.0	21.0	0.0	2748.0	643.8
7	0.63	7.4	0.61	754.06	77.18	38.59	0.0	21.0	0.0	1716.7	402.2
8	0.37	8.8	0.41	039.35	45.73	22.87	0.0	21.0	0.0	1014.9	237.8
9	1.01	10.9	1.02	710.47	119.26	59.63	0.0	21.0	0.0	2641.2	618.7

10	1.01	13.8	1.0	2496.33	109.84	54.92	0.0	21.0	0.0	2430.7	569.4
11	0.45	16.0	0.5	1020.77	44.91	22.46	0.0	21.0	0.0	995.1	233.1
12	0.71	17.8	0.7	1371.55	60.35	30.17	0.0	21.0	0.0	1339.7	313.8
13	0.85	20.1	0.9	1344.32	59.15	29.58	0.0	21.0	0.0	1318.6	308.9
14	0.57	22.3	0.6	741.36	32.62	16.31	0.0	21.0	0.0	731.1	171.3
15	0.44	23.9	0.5	512.09	22.53	11.27	0.0	21.0	0.0	507.5	118.9
16	1.01	26.2	1.1	1012.86	44.57	22.28	0.0	21.0	0.0	1012.3	237.2
17	1.01	29.5	1.2	534.21	23.51	11.75	0.0	21.0	0.0	542.0	127.0
18	0.38	31.9	0.5	87.87	3.87	1.93	0.0	21.0	0.0	90.3	21.2
19	0.62	33.6	0.7	283.78	12.49	6.24	0.0	21.0	0.0	294.8	69.1
20	0.79	36.1	1.0	239.14	10.52	5.26	0.0	21.0	0.0	252.8	59.2

xc = 53.803 yc = 31.048 Rc = 20.838 Fs=1.523

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.36	-7.4	0.4	117.05	5.15	2.58	0.0	21.0	0.0	122.0	30.7
2	1.01	-5.5	1.0	970.47	42.7	21.35	0.0	21.0	0.0	999.0	251.8
3	1.01	-2.7	1.0	1541.44	67.82	33.91	0.0	21.0	0.0	1561.6	393.6
4	1.01	0.1	1.0	1854.1	81.58	40.79	0.0	21.0	0.0	1853.5	467.2
5	0.49	2.1	0.5	950.02	41.8	20.9	0.0	21.0	0.0	941.8	237.4
6	0.52	3.5	0.5	1067.58	46.97	23.49	0.0	21.0	0.0	1053.3	265.5
7	1.01	5.6	1.0	2105.24	92.63	46.32	0.0	21.0	0.0	2064.2	520.3
8	1.01	8.4	1.0	2070.32	91.09	45.55	0.0	21.0	0.0	2017.6	508.5
9	0.56	10.6	0.6	1099.02	48.36	24.18	0.0	21.0	0.0	1067.7	269.1
10	0.77	12.5	0.8	1315.37	57.88	28.94	0.0	21.0	0.0	1276.0	321.6
11	0.68	14.5	0.7	1041.74	45.84	22.92	0.0	21.0	0.0	1010.2	254.6
12	1.01	16.9	1.1	1440.77	63.39	31.7	0.0	21.0	0.0	1398.7	352.5
13	1.01	19.8	1.1	1432.79	63.04	31.52	0.0	21.0	0.0	1396.2	351.9
14	0.4	21.9	0.4	543.01	23.89	11.95	0.0	21.0	0.0	531.4	133.9
15	0.6	23.4	0.7	667.21	29.36	14.68	0.0	21.0	0.0	655.5	165.2
16	1.01	25.9	1.1	1344.32	59.15	29.58	0.0	21.0	0.0	1331.2	335.5
17	1.01	29.0	1.2	1518.25	66.8	33.4	0.0	21.0	0.0	1522.9	383.8
18	0.48	31.3	0.6	529.42	23.29	11.65	0.0	21.0	0.0	537.3	135.4
19	0.53	33.0	0.6	371.33	16.34	8.17	0.0	21.0	0.0	380.4	95.9
20	1.02	35.5	1.2	264.37	11.63	5.82	0.0	21.0	0.0	275.3	69.4

xc = 18.292 yc = 32.64 Rc = 29.447 Fs=1.852

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.51	-1.8	0.5	11.17	0.49	0.25	0.0	21.0	0.0	11.2	2.3
2	0.51	-0.8	0.5	22.37	0.98	0.49	0.0	21.0	0.0	22.4	4.7
3	0.51	0.2	0.5	70.4	3.1	1.55	0.0	21.0	0.0	70.4	14.6
4	0.48	1.1	0.5	140.95	6.2	3.1	0.0	21.0	0.0	140.4	29.1
5	0.54	2.1	0.5	234.38	10.31	5.16	0.0	21.0	0.0	232.7	48.2
6	0.47	3.1	0.5	260.1	11.44	5.72	0.0	21.0	0.0	257.6	53.4
7	0.56	4.1	0.6	445.9	19.62	9.81	0.0	21.0	0.0	440.5	91.3
8	0.45	5.1	0.5	508.88	22.39	11.2	0.0	21.0	0.0	501.6	104.0
9	0.57	6.1	0.6	801.09	35.25	17.62	0.0	21.0	0.0	788.2	163.4
10	0.43	7.1	0.4	688.97	30.31	15.16	0.0	21.0	0.0	676.8	140.3
11	0.59	8.1	0.6	992.85	43.69	21.84	0.0	21.0	0.0	974.1	201.9
12	0.42	9.1	0.4	697.31	30.68	15.34	0.0	21.0	0.0	683.5	141.7
13	0.61	10.1	0.6	978.5	43.05	21.53	0.0	21.0	0.0	958.5	198.7
14	0.4	11.1	0.4	594.29	26.15	13.07	0.0	21.0	4.5	577.5	119.7
15	0.62	12.1	0.6	835.17	36.75	18.37	0.0	21.0	1.1	816.7	169.3
16	0.38	13.1	0.4	441.24	19.41	9.71	0.0	21.0	0.0	432.2	89.6
17	0.64	14.1	0.7	609.53	26.82	13.41	0.0	21.0	0.0	597.4	123.8
18	0.36	15.1	0.4	264.48	11.64	5.82	0.0	21.0	0.0	259.4	53.8
19	0.66	16.2	0.7	307.67	13.54	6.77	0.0	21.0	0.0	302.2	62.6
20	0.51	17.4	0.5	72.23	3.18	1.59	0.0	21.0	0.0	71.1	14.7

xc = 21.674 yc = 32.64 Rc = 29.309 Fs=1.261

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.84	-3.9	0.8	166.39	7.32	3.66	0.0	21.0	0.0	170.3	51.8
2	1.01	-2.0	1.0	837.26	36.84	18.42	0.0	21.0	0.0	847.0	257.9
3	1.01	-0.1	1.0	1588.7	69.9	34.95	0.0	21.0	0.0	1589.4	483.9
4	0.43	1.3	0.4	835.2	36.75	18.37	0.0	21.0	34.6	795.2	242.1
5	0.57	2.3	0.6	1168.74	51.42	25.71	0.0	21.0	98.2	1058.4	322.2
6	1.01	3.9	1.0	2107.41	92.73	46.36	0.0	21.0	285.5	1789.3	544.7
7	1.01	5.8	1.0	2032.47	89.43	44.71	0.0	21.0	415.6	1576.2	479.8
8	1.01	7.8	1.0	1854.96	81.62	40.81	0.0	21.0	498.4	1314.3	400.1
9	0.52	9.3	0.5	853.88	37.57	18.79	0.0	21.0	277.2	556.6	169.4
10	0.82	10.6	0.8	1176.69	51.77	25.89	0.0	21.0	451.1	698.3	212.6
11	0.67	12.1	0.7	800.77	35.23	17.62	0.0	21.0	372.3	411.4	125.2
12	1.01	13.8	1.0	427.43	18.81	9.4	0.0	21.0	0.0	409.5	124.7
13	1.01	15.9	1.0	992.48	43.67	21.83	0.0	21.0	465.5	504.2	153.5
14	1.01	17.9	1.1	2062.95	90.77	45.38	0.0	21.0	363.5	1626.0	495.0
15	0.42	19.4	0.4	1187.87	52.27	26.13	0.0	21.0	105.4	1036.5	315.6
16	0.59	20.4	0.6	1598.63	70.34	35.17	0.0	21.0	90.2	1445.7	440.1
17	1.01	22.1	1.1	2412.5	106.15	53.07	0.0	21.0	0.0	2317.4	705.5

18	1.01	24.2	1.1	1722.59	75.79	37.9	0.0	21.0	0.0	1661.4	505.8
19	0.69	26.1	0.8	671.15	29.53	14.77	0.0	21.0	0.0	650.3	198.0
20	0.82	27.7	0.9	266.42	11.72	5.86	0.0	21.0	0.0	259.5	79.0

xc = 23.365 yc = 34.232 Rc = 30.201 Fs=1.331

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.77	-3.1	0.8	213.72	9.4	4.7	0.0	21.0	0.0	217.4	62.7
2	1.01	-1.4	1.0	718.01	31.59	15.8	0.0	21.0	0.0	723.2	208.6
3	0.48	0.0	0.5	425.52	18.72	9.36	0.0	21.0	0.0	425.5	122.7
4	0.53	1.0	0.5	499.83	21.99	11.0	0.0	21.0	0.0	497.4	143.5
5	1.01	2.4	1.0	962.46	42.35	21.17	0.0	21.0	0.0	951.6	274.5
6	1.01	4.4	1.0	897.8	39.5	19.75	0.0	21.0	0.0	881.0	254.1
7	0.46	5.8	0.5	365.11	16.06	8.03	0.0	21.0	27.4	329.8	95.1
8	0.75	6.9	0.8	500.48	22.02	11.01	0.0	21.0	92.5	397.1	114.5
9	0.8	8.4	0.8	405.35	17.84	8.92	0.0	21.0	139.1	258.1	74.5
10	1.01	10.1	1.0	152.9	6.73	3.36	0.0	21.0	0.0	147.7	42.6
11	0.45	11.5	0.5	74.4	3.27	1.64	0.0	21.0	0.0	71.7	20.7
12	0.56	12.5	0.6	359.74	15.83	7.91	0.0	21.0	117.1	233.6	67.4
13	1.01	14.0	1.0	1728.45	76.05	38.03	0.0	21.0	182.7	1486.2	428.7
14	1.01	16.0	1.0	2594.92	114.18	57.09	0.0	21.0	90.9	2405.9	694.0
15	0.43	17.4	0.5	1062.19	46.74	23.37	0.0	21.0	2.2	1018.7	293.8
16	0.57	18.4	0.6	1301.95	57.29	28.64	0.0	21.0	0.0	1252.0	361.1
17	1.01	20.0	1.1	1832.56	80.63	40.32	0.0	21.0	0.0	1764.9	509.1
18	1.01	22.1	1.1	1121.11	49.33	24.66	0.0	21.0	0.0	1083.1	312.4
19	0.42	23.5	0.5	264.58	11.64	5.82	0.0	21.0	0.0	256.4	74.0
20	0.75	24.8	0.8	197.11	8.67	4.34	0.0	21.0	0.0	191.6	55.3

xc = 26.747 yc = 34.232 Rc = 30.063 Fs=1.23

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.41	-7.3	0.4	44.24	1.95	0.97	0.0	21.0	0.0	46.5	14.5
2	1.01	-5.9	1.0	373.83	16.45	8.22	0.0	21.0	0.0	388.4	121.2
3	1.01	-4.0	1.0	620.12	27.29	13.64	0.0	21.0	0.0	635.5	198.3
4	1.01	-2.1	1.0	766.02	33.7	16.85	0.0	21.0	0.0	775.3	242.0
5	0.8	-0.4	0.8	654.0	28.78	14.39	0.0	21.0	86.9	568.2	177.3
6	1.21	1.6	1.2	989.59	43.54	21.77	0.0	21.0	363.5	621.0	193.8

7	0.48	3.2	0.5	397.15	17.47	8.74	0.0	21.0	214.6	179.7	56.1
8	0.52	4.1	0.5	200.89	8.84	4.42	0.0	21.0	0.0	197.0	61.5
9	1.01	5.6	1.01	242.73	54.68	27.34	0.0	21.0	600.8	625.9	195.3
10	1.01	7.5	1.02	666.06	117.31	58.65	0.0	21.0	689.5	1914.8	597.6
11	1.01	9.5	1.03	755.13	165.23	82.61	0.0	21.0	718.0	2926.7	913.4
12	1.01	11.4	1.03	754.13	165.18	82.59	0.0	21.0	711.3	2920.2	911.4
13	0.53	12.9	0.51	888.25	83.08	41.54	0.0	21.0	358.1	1465.0	457.2
14	0.47	13.9	0.5	1563.5	68.79	34.4	0.0	21.0	300.8	1207.5	376.9
15	1.01	15.4	1.02	983.12	131.26	65.63	0.0	21.0	577.0	2298.3	717.3
16	1.01	17.4	1.12	563.39	112.79	56.39	0.0	21.0	459.6	2008.3	626.8
17	1.01	19.4	1.12	108.78	92.79	46.39	0.0	21.0	303.2	1724.7	538.3
18	0.74	21.2	0.81	159.72	51.03	25.51	0.0	21.0	90.2	1023.3	319.4
19	0.85	22.8	0.9	831.48	36.59	18.29	0.0	21.0	0.0	797.3	248.8
20	0.85	24.6	0.9	302.66	13.32	6.66	0.0	21.0	0.0	291.2	90.9

xc = 35.202 yc = 32.64 Rc = 28.756 Fs=2.392

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.65	-12.8	0.7	55.53	2.44	1.22	0.0	21.0	0.0	59.1	9.5
2	1.01	-11.1	1.0	1044.3	45.95	22.97	0.0	21.0	493.5	579.4	93.0
3	1.01	-9.0	1.03	021.23	132.93	66.47	0.15	24.0	878.2	2340.8	1074.8
4	1.01	-7.0	1.04	671.21	205.53	102.77	0.15	24.0	1200.7	3658.5	1316.9
5	1.01	-5.0	1.05	227.59	230.01	115.01	0.15	24.0	1487.0	3873.1	1354.5
6	1.01	-3.0	1.0	5483.2	241.26	120.63	0.15	24.0	1725.5	3832.9	1345.5
7	1.01	-1.0	1.05	568.85	245.03	122.51	0.15	24.0	1940.3	3651.3	1310.9
8	1.01	1.0	1.0	5708.1	251.16	125.58	0.15	24.0	2119.7	3565.6	1295.0
9	3.02	5.1	3.01	7269.18	759.84	379.92	0.15	24.0	7080.2	9897.7	3743.3
10	2.23	10.3	2.31	1614.7	511.05	255.52	0.15	24.0	5484.1	5775.9	2498.9
11	0.79	13.4	0.83	979.27	175.09	87.54	0.15	24.0	1886.5	1944.4	868.5
12	1.01	15.2	1.05	001.35	220.06	110.03	0.15	24.0	2341.9	2453.7	1110.9
13	1.01	17.3	1.14	943.72	217.52	108.76	0.15	24.0	2213.9	2507.6	1128.0
14	1.01	19.4	1.14	966.93	218.55	109.27	0.15	24.0	2057.3	2673.6	1167.0
15	1.01	21.6	1.14	909.83	216.03	108.02	0.15	24.0	1858.4	2806.3	1201.2
16	1.01	23.8	1.14	778.23	210.24	105.12	0.15	24.0	1615.4	2913.4	1231.9
17	2.01	27.1	2.37	628.71	335.66	167.83	0.15	24.0	2314.8	4787.6	2309.3
18	1.01	30.5	1.23	380.01	148.72	74.36	0.15	24.0	586.2	2533.2	1204.3
19	1.01	32.9	1.23	338.64	146.9	73.45	0.15	24.0	153.0	2952.2	1301.1
20	3.1	38.0	3.96	436.06	283.19	141.59	0.0	21.0	0.0	7257.6	1164.9

xc = 36.893 yc = 34.232 Rc = 29.922 Fs=2.38

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	-13.2	0.2	35.34	1.55	0.78	0.0	21.0	0.0	37.7	6.1
2	1.01	-12.0	1.0	1676.81	73.78	36.89	0.0	21.0	154.8	1611.0	259.8
3	1.01	-10.0	1.0	3409.48	150.02	75.01	0.0	21.0	531.2	3008.3	485.1
4	1.01	-8.1	1.0	4059.07	178.6	89.3	0.15	24.0	872.0	3399.4	1276.2
5	1.01	-6.1	1.0	4419.7	194.47	97.23	0.15	24.0	1165.7	3409.2	1275.4
6	1.01	-4.2	1.0	4612.14	202.93	101.47	0.15	24.0	1436.8	3275.0	1248.3
7	1.01	-2.2	1.0	4860.32	213.85	106.93	0.15	24.0	1673.5	3237.9	1240.2
8	3.02	1.6	3.0	15403.18	677.74	338.87	0.15	24.0	6098.1	9206.9	3625.1
9	3.02	7.4	3.0	14887.31	655.04	327.52	0.15	24.0	6963.3	7557.2	3331.8
10	1.01	11.3	1.0	5011.49	220.51	110.25	0.15	24.0	2347.2	2494.4	1113.2
11	1.19	13.5	1.2	6035.25	265.55	132.78	0.15	24.0	2714.9	3091.2	1349.0
12	0.82	15.5	0.9	4327.87	190.43	95.21	0.15	24.0	1811.7	2340.8	975.8
13	1.01	17.3	1.1	5370.76	236.31	118.16	0.15	24.0	2101.0	3040.8	1232.8
14	1.01	19.3	1.1	5406.75	237.9	118.95	0.15	24.0	1946.2	3220.4	1274.2
15	2.01	22.4	2.2	9430.33	414.93	207.47	0.15	24.0	3263.0	5668.2	2432.0
16	1.01	25.6	1.1	4583.71	201.68	100.84	0.15	24.0	1219.8	3114.2	1285.4
17	1.01	27.7	1.1	4765.27	209.67	104.84	0.15	24.0	903.9	3629.0	1395.1
18	1.01	29.9	1.2	4732.53	208.23	104.12	0.15	24.0	574.7	3950.9	1470.6
19	1.01	32.2	1.2	4023.26	177.02	88.51	0.15	24.0	181.2	3639.6	1429.9
20	2.99	36.9	3.7	5765.36	253.68	126.84	0.0	21.0	0.0	6430.5	1037.0

xc = 38.584 yc = 32.64 Rc = 28.618 Fs=2.095

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	-16.0	1.0	1354.7	59.61	29.8	0.0	21.0	0.0	1487.3	272.6
2	1.01	-13.9	1.0	3223.85	141.85	70.92	0.0	21.0	430.9	3014.7	552.5
3	1.01	-11.9	1.0	4003.19	176.14	88.07	0.15	24.0	842.6	3542.5	1489.3
4	1.01	-9.8	1.0	4493.06	197.69	98.85	0.15	24.0	1204.3	3596.3	1495.7
5	1.01	-7.8	1.0	4809.85	211.63	105.82	0.15	24.0	1540.8	3500.2	1471.3
6	1.01	-5.7	1.0	5178.04	227.83	113.92	0.15	24.0	1840.8	3501.9	1468.6
7	3.02	-1.7	3.0	17043.28	749.9	374.95	0.15	24.0	6961.3	10215.7	4334.2
8	2.09	3.4	2.1	11915.55	524.28	262.14	0.15	24.0	5683.9	6076.5	2790.1
9	0.93	6.4	0.9	5510.51	242.46	121.23	0.15	24.0	2653.3	2734.1	1251.3
10	1.01	8.4	1.0	6085.01	267.74	133.87	0.15	24.0	2912.2	3005.4	1367.2
11	1.01	10.4	1.0	6270.4	275.9	137.95	0.15	24.0	2912.2	3156.1	1403.6
12	1.01	12.5	1.0	6542.91	287.89	143.94	0.15	24.0	2886.8	3420.2	1465.1
13	1.01	14.6	1.0	6742.73	296.68	148.34	0.15	24.0	2823.1	3654.5	1521.3
14	1.01	16.7	1.1	6877.18	302.6	151.3	0.15	24.0	2720.1	3868.1	1574.4

15	2.01	19.9	2.1	12666.94	557.35	278.67	0.15	24.0	4966.5	7089.6	3039.3
16	1.01	23.1	1.1	6351.24	279.45	139.73	0.15	24.0	2150.0	3881.4	1608.4
17	1.01	25.3	1.1	6633.73	291.88	145.94	0.15	24.0	1887.3	4428.3	1738.3
18	1.01	27.6	1.1	6703.68	294.96	147.48	0.15	24.0	1612.2	4787.8	1830.5
19	1.01	29.8	1.2	6099.4	268.37	134.19	0.15	24.0	1273.9	4533.7	1794.5
20	4.68	36.9	5.8	15146.46	666.44	333.22	0.0	21.0	164.4	16465.0	3017.5

xc = 55.494 yc = 32.64 Rc = 22.345 Fs=2.408

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-9.5	1.0	422.81	18.6	9.3	0.0	21.0	0.0	440.4	70.2
2	1.01	-6.9	1.0	1128.05	49.63	24.82	0.0	21.0	0.0	1158.4	184.6
3	1.01	-4.3	1.0	1580.46	69.54	34.77	0.0	21.0	0.0	1603.9	255.7
4	0.47	-2.4	0.5	834.38	36.71	18.36	0.0	21.0	0.0	840.7	134.0
5	0.54	-1.1	0.5	1054.91	46.42	23.21	0.0	21.0	0.0	1058.3	168.7
6	1.01	0.9	1.0	2128.21	93.64	46.82	0.0	21.0	0.0	2123.2	338.4
7	1.01	3.5	1.0	2252.16	99.1	49.55	0.0	21.0	0.0	2234.7	356.2
8	0.96	6.0	1.0	2140.38	94.18	47.09	0.0	21.0	0.0	2116.7	337.4
9	1.05	8.6	1.1	2209.1	97.2	48.6	0.0	21.0	0.0	2181.6	347.7
10	1.01	11.3	1.0	2162.33	95.14	47.57	0.15	24.0	0.0	2003.5	1009.4
11	1.01	13.9	1.0	2362.71	103.96	51.98	0.15	24.0	0.0	2174.4	1047.7
12	0.45	15.9	0.5	1080.28	47.53	23.77	0.15	24.0	0.0	989.0	471.9
13	0.56	17.2	0.6	1282.71	56.44	28.22	0.15	24.0	0.0	1163.2	579.9
14	1.01	19.3	1.1	2736.47	120.4	60.2	0.15	24.0	0.0	2504.6	1127.1
15	1.01	22.1	1.1	3171.28	139.54	69.77	0.15	24.0	0.0	2928.3	1217.7
16	1.01	24.9	1.1	2845.62	125.21	62.6	0.15	24.0	0.0	2593.9	1170.4
17	1.01	27.8	1.1	2527.0	111.19	55.59	0.0	21.0	0.0	2634.9	420.0
18	1.01	30.7	1.2	2055.23	90.43	45.22	0.0	21.0	0.0	2184.1	348.1
19	0.55	33.1	0.7	708.31	31.17	15.58	0.0	21.0	0.0	765.8	122.1
20	0.88	35.3	1.1	339.23	14.93	7.46	0.0	21.0	0.0	373.5	59.5

xc = 25.056 yc = 35.823 Rc = 31.094 Fs=1.23

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.24	9.3	0.2	18.74	0.82	0.41	0.0	21.0	0.0	18.1	5.6
2	0.44	9.9	0.4	259.18	11.4	5.7	0.0	21.0	0.0	249.5	77.9
3	0.34	10.6	0.3	457.46	20.13	10.06	0.0	21.0	0.0	439.7	137.2

4	0.23	11.2	0.2	428.64	18.86	9.43	0.0	21.0	0.0	411.6	128.5
5	0.45	11.8	0.5	958.66	42.18	21.09	0.0	21.0	0.0	919.4	287.0
6	0.34	12.6	0.3	722.46	31.79	15.89	0.0	21.0	0.0	692.1	216.0
7	0.21	13.1	0.2	456.16	20.07	10.04	0.0	21.0	0.0	436.6	136.3
8	0.46	13.7	0.5	968.5	42.61	21.31	0.0	21.0	0.0	926.4	289.1
9	0.34	14.5	0.4	679.27	29.89	14.94	0.0	21.0	0.0	649.2	202.6
10	0.2	15.0	0.2	391.77	17.24	8.62	0.0	21.0	0.0	374.3	116.8
11	0.48	15.6	0.5	850.79	37.43	18.72	0.0	21.0	0.0	812.5	253.6
12	0.34	16.4	0.4	526.84	23.18	11.59	0.0	21.0	0.0	503.0	157.0
13	0.19	16.9	0.2	264.91	11.66	5.83	0.0	21.0	0.0	252.9	78.9
14	0.49	17.6	0.5	591.96	26.05	13.02	0.0	21.0	0.0	565.1	176.4
15	0.34	18.4	0.4	334.1	14.7	7.35	0.0	21.0	0.0	319.0	99.6
16	0.18	18.9	0.2	148.66	6.54	3.27	0.0	21.0	0.0	142.0	44.3
17	0.5	19.6	0.5	337.67	14.86	7.43	0.0	21.0	0.0	322.6	100.7
18	0.5	20.5	0.5	219.87	9.67	4.84	0.0	21.0	0.0	210.2	65.6
19	0.17	21.2	0.2	44.94	1.98	0.99	0.0	21.0	0.0	43.0	13.4
20	0.34	21.7	0.4	35.42	1.56	0.78	0.0	21.0	0.0	33.9	10.6

xc = 26.747 yc = 37.415 Rc = 32.678 Fs=1.362

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.47	5.1	0.5	88.72	3.9	1.95	0.0	21.0	19.8	67.5	19.0
2	0.29	5.8	0.3	139.45	6.14	3.07	0.0	21.0	25.7	111.2	31.3
3	0.66	6.6	0.7	835.85	36.78	18.39	0.0	21.0	87.3	729.7	205.6
4	0.35	7.5	0.4	809.02	35.6	17.8	0.0	21.0	54.6	733.7	206.8
5	0.59	8.3	0.6	1607.85	70.75	35.37	0.0	21.0	102.8	1460.8	411.7
6	0.41	9.2	0.4	1148.8	50.55	25.27	0.0	21.0	74.0	1041.2	293.4
7	0.53	10.1	0.5	1478.42	65.05	32.53	0.0	21.0	96.7	1336.5	376.6
8	0.48	11.0	0.5	1305.61	57.45	28.72	0.0	21.0	87.6	1176.4	331.5
9	0.47	11.8	0.5	1225.99	53.94	26.97	0.0	21.0	75.1	1110.3	312.9
10	0.54	12.7	0.6	1292.12	56.85	28.43	0.0	21.0	78.9	1169.3	329.5
11	0.41	13.6	0.4	890.39	39.18	19.59	0.0	21.0	48.6	810.8	228.5
12	0.6	14.5	0.6	1197.63	52.7	26.35	0.0	21.0	46.7	1108.0	312.3
13	0.34	15.3	0.4	620.66	27.31	13.65	0.0	21.0	12.2	585.7	165.1
14	0.66	16.3	0.7	1095.06	48.18	24.09	0.0	21.0	0.0	1054.0	297.0
15	0.28	17.1	0.3	412.65	18.16	9.08	0.0	21.0	0.0	397.3	112.0
16	0.47	17.8	0.5	614.96	27.06	13.53	0.0	21.0	0.0	592.3	166.9
17	0.25	18.5	0.3	287.51	12.65	6.33	0.0	21.0	0.0	277.0	78.1
18	0.69	19.3	0.7	584.09	25.7	12.85	0.0	21.0	0.0	563.3	158.7
19	0.47	20.4	0.5	216.54	9.53	4.76	0.0	21.0	0.0	209.1	58.9
20	0.47	21.3	0.5	73.08	3.22	1.61	0.0	21.0	0.0	70.7	19.9

xc = 28.438 yc = 35.823 Rc = 31.162 Fs=1.333

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.74	0.7	0.7	16.86	0.74	0.37	0.0	21.0	0.0	16.8	4.8
2	0.49	1.8	0.5	69.95	3.08	1.54	0.0	21.0	0.0	69.4	20.0
3	0.52	2.7	0.5	392.37	17.26	8.63	0.0	21.0	141.1	248.1	71.5
4	1.01	4.1	1.0	2080.29	91.53	45.77	0.0	21.0	372.8	1676.9	483.1
5	0.31	5.4	0.3	981.95	43.21	21.6	0.0	21.0	134.4	828.9	238.8
6	0.7	6.3	0.7	2299.62	101.18	50.59	0.0	21.0	325.9	1924.6	554.4
7	0.53	7.4	0.5	1773.24	78.02	39.01	0.0	21.0	263.2	1467.8	422.8
8	0.48	8.4	0.5	1624.71	71.49	35.74	0.0	21.0	253.5	1329.7	383.0
9	1.01	9.7	1.0	3221.68	141.75	70.88	0.0	21.0	531.0	2601.4	749.4
10	0.35	11.0	0.4	1027.06	45.19	22.6	0.0	21.0	181.3	815.9	235.0
11	0.66	11.9	0.7	1849.02	81.36	40.68	0.0	21.0	340.7	1453.1	418.6
12	0.56	13.1	0.6	1478.5	65.05	32.53	0.0	21.0	274.7	1158.3	333.7
13	0.44	14.0	0.5	1110.21	48.85	24.42	0.0	21.0	199.6	875.6	252.2
14	1.01	15.4	1.0	2274.99	100.1	50.05	0.0	21.0	393.0	1808.5	521.0
15	0.38	16.8	0.4	751.04	33.05	16.52	0.0	21.0	118.8	607.5	175.0
16	0.61	17.7	0.6	1020.3	44.89	22.45	0.0	21.0	145.7	840.8	242.2
17	0.61	18.9	0.6	804.91	35.42	17.71	0.0	21.0	87.7	690.0	198.8
18	0.41	19.9	0.4	415.05	18.26	9.13	0.0	21.0	19.4	381.0	109.8
19	0.82	21.1	0.9	508.92	22.39	11.2	0.0	21.0	0.0	490.9	141.4
20	0.61	22.5	0.7	86.93	3.82	1.91	0.0	21.0	0.0	84.1	24.2

xc = 36.893 yc = 37.415 Rc = 33.092 Fs=2.22

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.32	-12.0	0.3	67.54	2.97	1.49	0.0	21.0	0.0	71.7	12.4
2	1.01	-10.8	1.0	1769.98	77.88	38.94	0.0	21.0	205.1	1647.5	284.9
3	1.01	-9.0	1.0	3466.7	152.53	76.27	0.0	21.0	562.1	3024.3	522.9
4	1.01	-7.3	1.0	4087.91	179.87	89.93	0.15	24.0	887.2	3401.4	1367.6
5	1.01	-5.5	1.0	4425.33	194.71	97.36	0.15	24.0	1168.7	3404.0	1365.7
6	1.01	-3.8	1.0	4601.06	202.45	101.22	0.15	24.0	1431.0	3265.2	1336.2
7	1.01	-2.0	1.0	4838.87	212.91	106.46	0.15	24.0	1662.2	3225.7	1327.3
8	3.02	1.5	3.0	15332.64	674.64	337.32	0.15	24.0	6061.0	9176.1	3880.6
9	3.12	6.8	3.1	15455.54	680.04	340.02	0.15	24.0	7244.5	7829.6	3691.9
10	0.91	10.3	0.9	4596.26	202.24	101.12	0.15	24.0	2157.4	2282.4	1080.6
11	1.01	12.0	1.0	5220.99	229.72	114.86	0.15	24.0	2359.9	2663.8	1229.3

12	1.01	13.8	1.05	443.61	239.52	119.76	0.15	24.0	2308.2	2913.3	1284.3
13	1.01	15.6	1.0	5602.4	246.51	123.25	0.15	24.0	2222.9	3136.2	1334.8
14	1.01	17.4	1.15	704.98	251.02	125.51	0.15	24.0	2103.1	3341.3	1382.6
15	2.01	20.2	2.11	0263.34	451.59	225.79	0.15	24.0	3701.4	6015.4	2655.0
16	1.01	23.0	1.15	143.69	226.32	113.16	0.15	24.0	1514.5	3344.5	1409.2
17	1.01	24.9	1.1	5437.1	239.23	119.62	0.15	24.0	1257.5	3897.2	1531.0
18	1.01	26.8	1.15	531.18	243.37	121.69	0.15	24.0	995.1	4265.2	1617.2
19	1.01	28.8	1.14	965.84	218.5	109.25	0.15	24.0	677.3	4023.6	1582.7
20	4.3	34.3	5.21	1017.23	484.76	242.38	0.0	21.0	0.0	11927.7	2062.5

xc = 38.584 yc = 35.823 Rc = 31.576 Fs=2.151

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.91	-14.4	0.91	148.45	50.53	25.27	0.0	21.0	0.0	1242.6	221.8
2	1.01	-12.6	1.02	956.54	130.09	65.04	0.0	21.0	286.4	2849.8	508.7
3	1.01	-10.7	1.03	687.74	162.26	81.13	0.0	21.0	675.4	3173.5	566.4
4	1.01	-8.9	1.04	139.79	182.15	91.08	0.15	24.0	1018.4	3379.8	1410.0
5	1.01	-7.0	1.04	428.11	194.84	97.42	0.15	24.0	1339.9	3283.0	1386.8
6	1.01	-5.2	1.04	774.67	210.09	105.04	0.15	24.0	1628.5	3285.4	1384.9
7	3.02	-1.5	3.01	5762.43	693.55	346.77	0.15	24.0	6287.2	9589.3	4091.4
8	3.02	3.9	3.01	6250.29	715.01	357.51	0.15	24.0	7680.6	8326.0	3834.0
9	1.01	7.6	1.05	711.24	251.29	125.65	0.15	24.0	2715.5	2849.0	1297.8
10	2.01	10.4	2.01	2069.27	531.05	265.52	0.15	24.0	5478.1	6204.1	2711.3
11	1.01	13.2	1.06	482.98	285.25	142.63	0.15	24.0	2686.4	3558.1	1457.4
12	1.2	15.2	1.28	002.49	352.11	176.05	0.15	24.0	3102.9	4582.9	1817.9
13	1.82	18.1	1.91	1269.94	495.88	247.94	0.15	24.0	4343.4	6417.2	2661.4
14	1.05	20.9	1.1	6646.6	292.45	146.23	0.15	24.0	2243.7	4090.0	1631.4
15	0.96	22.8	1.06	455.75	284.05	142.03	0.15	24.0	1858.7	4306.2	1618.9
16	1.01	24.8	1.16	918.28	304.4	152.2	0.15	24.0	1725.1	4895.2	1786.4
17	1.01	26.8	1.16	437.27	283.24	141.62	0.15	24.0	1451.8	4697.2	1758.8
18	1.01	28.9	1.1	5702.5	250.91	125.46	0.15	24.0	1145.0	4274.6	1686.4
19	1.01	31.0	1.2	4820.5	212.1	106.05	0.15	24.0	790.2	3744.2	1593.7
20	3.62	36.1	4.58	765.19	385.67	192.83	0.0	21.0	0.0	9600.0	1713.5

xc = 89.314 yc = 35.823 Rc = 16.232 Fs=1.87

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.28	-1.6	0.3	11.41	0.5	0.25	0.0	21.0	0.0	11.5	2.4
2	0.28	-0.7	0.3	32.48	1.43	0.71	0.0	21.0	0.0	32.6	6.7
3	0.29	0.3	0.3	54.41	2.39	1.2	0.0	21.0	0.0	54.3	11.2
4	0.26	1.3	0.3	66.03	2.91	1.45	0.0	21.0	0.0	65.7	13.5
5	0.28	2.2	0.3	87.35	3.84	1.92	0.0	21.0	0.0	86.7	17.8
6	0.28	3.2	0.3	103.04	4.53	2.27	0.0	21.0	0.0	102.0	20.9
7	0.19	4.0	0.2	80.3	3.53	1.77	0.0	21.0	0.0	79.3	16.3
8	0.36	5.0	0.4	167.95	7.39	3.69	0.0	21.0	0.0	165.6	34.0
9	0.28	6.1	0.3	145.66	6.41	3.2	0.0	21.0	0.0	143.3	29.4
10	0.37	7.3	0.4	214.5	9.44	4.72	0.0	21.0	0.0	210.7	43.3
11	0.18	8.3	0.2	113.12	4.98	2.49	0.0	21.0	0.0	111.0	22.8
12	0.28	9.1	0.3	194.03	8.54	4.27	0.0	21.0	0.0	190.2	39.1
13	0.28	10.1	0.3	216.43	9.52	4.76	0.0	21.0	0.0	212.1	43.5
14	0.27	11.1	0.3	235.34	10.35	5.18	0.0	21.0	0.0	230.5	47.3
15	0.28	12.1	0.3	229.24	10.09	5.04	0.0	21.0	0.0	224.6	46.1
16	0.28	13.1	0.3	192.69	8.48	4.24	0.0	21.0	0.0	188.8	38.8
17	0.28	14.1	0.3	154.51	6.8	3.4	0.0	21.0	0.0	151.5	31.1
18	0.18	14.9	0.2	77.97	3.43	1.72	0.0	21.0	0.0	76.5	15.7
19	0.37	15.9	0.4	106.1	4.67	2.33	0.0	21.0	0.0	104.2	21.4
20	0.28	17.1	0.3	24.12	1.06	0.53	0.0	21.0	0.0	23.7	4.9

xc = 23.365 yc = 40.598 Rc = 35.709 Fs=1.215

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	11.7	0.2	49.7	2.19	1.09	0.0	21.0	0.0	47.6	15.1
2	0.23	12.1	0.2	148.62	6.54	3.27	0.0	21.0	0.0	142.4	45.0
3	0.25	12.5	0.3	278.74	12.26	6.13	0.0	21.0	0.0	266.8	84.3
4	0.2	12.8	0.2	273.76	12.05	6.02	0.0	21.0	0.0	261.9	82.7
5	0.23	13.2	0.2	305.96	13.46	6.73	0.0	21.0	0.0	292.6	92.4
6	0.23	13.6	0.2	305.07	13.42	6.71	0.0	21.0	0.0	291.6	92.1
7	0.23	13.9	0.2	303.51	13.35	6.68	0.0	21.0	0.0	290.0	91.6
8	0.12	14.2	0.1	153.2	6.74	3.37	0.0	21.0	0.0	146.3	46.2
9	0.34	14.6	0.4	436.84	19.22	9.61	0.0	21.0	0.0	417.1	131.8
10	0.23	15.1	0.2	277.53	12.21	6.11	0.0	21.0	0.0	264.9	83.7
11	0.23	15.5	0.2	264.6	11.64	5.82	0.0	21.0	0.0	252.5	79.8
12	0.21	15.8	0.2	228.72	10.06	5.03	0.0	21.0	0.0	218.2	68.9
13	0.25	16.2	0.3	249.75	10.99	5.49	0.0	21.0	0.0	238.2	75.3
14	0.23	16.6	0.2	197.17	8.68	4.34	0.0	21.0	0.0	188.0	59.4
15	0.23	17.0	0.2	166.08	7.31	3.65	0.0	21.0	0.0	158.4	50.0
16	0.3	17.4	0.3	169.42	7.45	3.73	0.0	21.0	0.0	161.6	51.0
17	0.16	17.8	0.2	67.76	2.98	1.49	0.0	21.0	0.0	64.6	20.4
18	0.23	18.1	0.2	74.24	3.27	1.63	0.0	21.0	0.0	70.8	22.4
19	0.23	18.5	0.2	45.09	1.98	0.99	0.0	21.0	0.0	43.0	13.6

20	0.23	18.9	0.2	15.21	0.67	0.33	0.0	21.0	0.0	14.5	4.6

xc = 25.056 yc = 39.007 Rc = 34.193 Fs=1.314

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.11	8.5	0.1	4.02	0.18	0.09	0.0	21.0	0.0	3.9	1.1
2	0.6	9.1	0.6	406.09	17.87	8.93	0.0	21.0	0.0	392.8	114.8
3	0.4	10.0	0.4	672.24	29.58	14.79	0.0	21.0	0.0	649.2	189.7
4	0.31	10.6	0.3	636.98	28.03	14.01	0.0	21.0	0.0	614.4	179.6
5	0.36	11.2	0.4	744.52	32.76	16.38	0.0	21.0	0.0	717.5	209.7
6	0.34	11.8	0.4	723.82	31.85	15.92	0.0	21.0	0.0	696.9	203.7
7	0.37	12.4	0.4	769.43	33.85	16.93	0.0	21.0	0.0	740.3	216.3
8	0.36	13.0	0.4	722.63	31.8	15.9	0.0	21.0	0.0	694.8	203.0
9	0.28	13.5	0.3	557.52	24.53	12.27	0.0	21.0	0.0	535.8	156.6
10	0.43	14.2	0.4	789.78	34.75	17.38	0.0	21.0	0.0	758.6	221.7
11	0.36	14.8	0.4	582.92	25.65	12.82	0.0	21.0	0.0	559.7	163.6
12	0.22	15.3	0.2	328.97	14.47	7.24	0.0	21.0	0.0	315.8	92.3
13	0.49	16.0	0.5	641.34	28.22	14.11	0.0	21.0	0.0	615.6	179.9
14	0.52	16.8	0.5	549.41	24.17	12.09	0.0	21.0	0.0	527.4	154.1
15	0.19	17.5	0.2	174.23	7.67	3.83	0.0	21.0	0.0	167.3	48.9
16	0.36	17.9	0.4	280.18	12.33	6.16	0.0	21.0	0.0	269.0	78.6
17	0.46	18.7	0.5	283.37	12.47	6.23	0.0	21.0	0.0	272.2	79.6
18	0.26	19.3	0.3	117.0	5.15	2.57	0.0	21.0	0.0	112.5	32.9
19	0.36	19.8	0.4	105.46	4.64	2.32	0.0	21.0	0.0	101.4	29.6
20	0.36	20.5	0.4	35.89	1.58	0.79	0.0	21.0	0.0	34.5	10.1

xc = 26.747 yc = 40.598 Rc = 35.848 Fs=1.412

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.75	4.9	0.8	227.93	10.03	5.01	0.0	21.0	47.6	176.8	48.1
2	0.25	5.7	0.3	217.45	9.57	4.78	0.0	21.0	28.2	185.1	50.3
3	0.5	6.3	0.5	827.6	36.41	18.21	0.0	21.0	72.9	737.1	200.4
4	0.25	6.9	0.3	614.14	27.02	13.51	0.0	21.0	43.8	556.2	151.2
5	0.75	7.7	0.8	2069.34	91.05	45.53	0.0	21.0	144.2	1873.7	509.3
6	0.26	8.5	0.3	725.48	31.92	15.96	0.0	21.0	55.1	651.3	177.0
7	0.75	9.4	0.8	2124.01	93.46	46.73	0.0	21.0	164.5	1900.8	516.6
8	0.26	10.2	0.3	726.98	31.99	15.99	0.0	21.0	56.1	649.9	176.6

9	0.74	11.0	0.8	1978.5	87.05	43.53	0.0	21.0	162.9	1756.8	477.5
10	0.26	11.8	0.3	641.13	28.21	14.1	0.0	21.0	52.5	569.0	154.7
11	0.74	12.6	0.8	1680.53	73.94	36.97	0.0	21.0	130.3	1497.5	407.0
12	0.26	13.4	0.3	549.67	24.19	12.09	0.0	21.0	40.9	491.2	133.5
13	0.74	14.3	0.8	1426.59	62.77	31.38	0.0	21.0	84.4	1295.4	352.1
14	0.27	15.1	0.3	478.42	21.05	10.53	0.0	21.0	17.6	444.7	120.9
15	0.74	15.9	0.8	1181.36	51.98	25.99	0.0	21.0	16.1	1124.6	305.7
16	0.27	16.8	0.3	377.74	16.62	8.31	0.0	21.0	0.0	364.7	99.1
17	0.73	17.6	0.8	826.2	36.35	18.18	0.0	21.0	0.0	798.0	216.9
18	0.5	18.7	0.5	377.9	16.63	8.31	0.0	21.0	0.0	365.3	99.3
19	0.5	19.5	0.5	234.59	10.32	5.16	0.0	21.0	0.0	227.0	61.7
20	0.5	20.4	0.5	84.32	3.71	1.86	0.0	21.0	0.0	81.7	22.2

xc = 28.438 yc = 39.007 Rc = 34.332 Fs=1.363

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.56	0.8	0.6	9.35	0.41	0.21	0.0	21.0	0.0	9.3	2.6
2	1.01	2.1	1.0	525.77	23.13	11.57	0.0	21.0	213.2	309.6	87.2
3	0.39	3.2	0.4	539.6	23.74	11.87	0.0	21.0	125.5	408.3	115.0
4	0.62	4.1	0.6	1528.07	67.24	33.62	0.0	21.0	238.9	1266.9	356.9
5	1.01	5.4	1.0	3287.67	144.66	72.33	0.0	21.0	465.4	2761.0	777.7
6	0.33	6.6	0.3	1125.82	49.54	24.77	0.0	21.0	169.7	932.2	262.6
7	0.67	7.4	0.7	2298.28	101.12	50.56	0.0	21.0	359.5	1886.0	531.3
8	0.63	8.5	0.6	2085.48	91.76	45.88	0.0	21.0	353.1	1680.9	473.5
9	0.38	9.4	0.4	1187.61	52.26	26.13	0.0	21.0	213.2	943.7	265.8
10	1.01	10.5	1.0	2964.6	130.44	65.22	0.0	21.0	566.9	2317.4	652.8
11	0.57	11.9	0.6	1569.01	69.04	34.52	0.0	21.0	314.7	1210.0	340.8
12	0.43	12.7	0.4	1146.81	50.46	25.23	0.0	21.0	227.5	886.1	249.6
13	1.01	14.0	1.0	2449.07	107.76	53.88	0.0	21.0	487.1	1889.3	532.2
14	0.51	15.3	0.5	1097.64	48.3	24.15	0.0	21.0	214.6	850.0	239.4
15	0.65	16.3	0.7	1190.43	52.38	26.19	0.0	21.0	226.3	928.0	261.4
16	0.85	17.6	0.9	1224.02	53.86	26.93	0.0	21.0	211.6	975.0	274.6
17	0.46	18.7	0.5	497.61	21.89	10.95	0.0	21.0	71.2	411.0	115.8
18	0.55	19.6	0.6	423.49	18.63	9.32	0.0	21.0	35.0	374.8	105.6
19	0.76	20.8	0.8	340.88	15.0	7.5	0.0	21.0	0.0	329.4	92.8
20	0.65	22.1	0.7	102.95	4.53	2.26	0.0	21.0	0.0	99.7	28.1

xc = 35.202 yc = 39.007 Rc = 34.608 Fs=2.381

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.71	-8.9	0.7	313.31	13.79	6.89	0.0	21.0	90.1	231.8	37.4
2	1.01	-7.5	1.0	2171.04	95.53	47.76	0.0	21.0	421.9	1802.4	290.6
3	1.01	-5.8	1.0	3758.65	165.38	82.69	0.0	21.0	719.9	3105.5	500.8
4	1.01	-4.1	1.0	4279.64	188.3	94.15	0.15	24.0	988.1	3392.2	1270.1
5	1.01	-2.5	1.0	4512.51	198.55	99.28	0.15	24.0	1214.6	3355.6	1262.2
6	1.01	-0.8	1.0	4586.92	201.82	100.91	0.15	24.0	1423.5	3181.1	1229.0
7	1.01	0.9	1.0	4726.33	207.96	103.98	0.15	24.0	1603.0	3105.5	1214.9
8	3.02	4.2	3.0	14427.81	634.82	317.41	0.15	24.0	5584.8	8608.8	3517.2
9	2.24	8.6	2.3	9804.67	431.41	215.7	0.15	24.0	4527.9	4980.6	2359.3
10	0.78	11.1	0.8	3380.02	148.72	74.36	0.15	24.0	1572.7	1682.0	814.2
11	1.01	12.6	1.0	4354.13	191.58	95.79	0.15	24.0	2001.2	2174.6	1056.4
12	1.01	14.3	1.0	4397.63	193.5	96.75	0.15	24.0	1926.5	2274.6	1079.8
13	1.01	16.1	1.0	4537.87	199.67	99.83	0.15	24.0	1831.5	2492.2	1125.9
14	1.01	17.8	1.1	4615.08	203.06	101.53	0.15	24.0	1703.3	2683.3	1167.7
15	1.01	19.6	1.1	4636.75	204.02	102.01	0.15	24.0	1540.9	2856.6	1207.1
16	2.01	22.2	2.2	7885.77	346.97	173.49	0.15	24.0	2450.1	4935.0	2292.9
17	1.01	25.0	1.1	3834.77	168.73	84.36	0.15	24.0	825.6	2753.9	1214.4
18	1.01	26.8	1.1	4047.97	178.11	89.06	0.15	24.0	526.4	3277.0	1323.3
19	1.01	28.7	1.1	4061.5	178.71	89.35	0.15	24.0	221.6	3612.2	1398.4
20	3.83	33.4	4.6	7956.65	350.09	175.05	0.0	21.0	0.0	8618.1	1389.7

xc = 36.893 yc = 40.598 Rc = 36.262 Fs=2.187

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.39	-11.0	0.4	101.0	4.44	2.22	0.0	21.0	0.0	106.5	18.7
2	1.01	-9.9	1.0	1841.97	81.05	40.52	0.0	21.0	244.0	1672.9	293.7
3	1.01	-8.2	1.0	3509.28	154.41	77.2	0.0	21.0	585.1	3031.8	532.3
4	1.01	-6.6	1.0	4107.1	180.71	90.36	0.15	24.0	897.3	3392.8	1385.8
5	1.01	-5.0	1.0	4425.44	194.72	97.36	0.15	24.0	1168.7	3391.4	1383.5
6	1.01	-3.4	1.0	4587.41	201.85	100.92	0.15	24.0	1423.8	3250.9	1353.5
7	1.01	-1.9	1.0	4816.67	211.93	105.97	0.15	24.0	1650.6	3211.3	1344.5
8	3.02	1.3	3.0	15260.93	671.48	335.74	0.15	24.0	6023.3	9149.0	3934.3
9	4.02	6.9	4.1	20196.75	888.66	444.33	0.15	24.0	9506.0	10180.3	4854.3
10	1.01	10.9	1.0	5352.99	235.53	117.77	0.15	24.0	2438.0	2725.0	1262.4
11	1.0	12.6	1.0	5546.54	244.05	122.02	0.15	24.0	2364.6	2968.7	1307.2
12	1.01	14.2	1.0	5786.65	254.61	127.31	0.15	24.0	2319.9	3229.6	1369.6
13	1.01	15.8	1.0	5942.78	261.48	130.74	0.15	24.0	2228.3	3457.8	1421.6
14	2.01	18.3	2.1	10927.62	480.82	240.41	0.15	24.0	4051.1	6334.9	2744.3
15	1.01	20.9	1.1	5588.89	245.91	122.96	0.15	24.0	1748.8	3552.3	1462.0
16	1.01	22.6	1.1	5969.41	262.65	131.33	0.15	24.0	1537.7	4138.4	1590.2

17	1.01	24.3	1.1	6161.15	271.09	135.55	0.15	24.0	1326.6	4544.7	1682.8
18	1.01	26.1	1.1	5705.24	251.03	125.52	0.15	24.0	1066.5	4354.4	1655.1
19	1.01	27.8	1.1	5008.2	220.36	110.18	0.15	24.0	779.6	3945.6	1584.1
20	4.43	32.9	5.3	11273.69	496.04	248.02	0.0	21.0	0.01	2059.5	2117.2

xc = 38.584 yc = 39.007 Rc = 34.746 Fs=2.132

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.97	-13.1	1.0	1287.91	56.67	28.33	0.0	21.0	0.0	1380.2	248.5
2	1.01	-11.4	1.0	3063.48	134.79	67.4	0.0	21.0	344.2	2879.3	518.5
3	1.01	-9.7	1.0	3758.09	165.36	82.68	0.0	21.0	713.4	3187.9	574.1
4	1.01	-8.1	1.0	4180.9	183.96	91.98	0.15	24.0	1040.0	3373.6	1419.7
5	1.01	-6.4	1.0	4444.25	195.55	97.77	0.15	24.0	1348.4	3271.7	1395.8
6	1.01	-4.7	1.0	4771.79	209.96	104.98	0.15	24.0	1626.9	3270.9	1393.6
7	3.02	-1.4	3.0	15691.45	690.42	345.21	0.15	24.0	6249.8	9545.6	4118.5
8	3.12	3.7	3.1	16767.55	737.77	368.89	0.15	24.0	7935.9	8594.4	3992.3
9	0.91	7.0	0.9	5187.84	228.26	114.13	0.15	24.0	2468.5	2594.3	1186.0
10	1.01	8.6	1.0	5977.22	263.0	131.5	0.15	24.0	2757.9	3051.5	1353.4
11	1.01	10.3	1.0	6320.67	278.11	139.05	0.15	24.0	2769.8	3351.5	1419.6
12	1.01	12.0	1.0	6605.66	290.65	145.32	0.15	24.0	2750.9	3626.5	1481.2
13	3.02	15.4	3.1	20233.66	890.28	445.14	0.15	24.0	7819.8	11602.3	4626.4
14	2.16	19.9	2.3	14557.4	640.53	320.26	0.15	24.0	4794.3	9110.1	3517.0
15	0.86	22.5	0.9	6347.52	279.29	139.65	0.15	24.0	1697.2	4382.7	1571.3
16	1.01	24.2	1.1	7063.96	310.81	155.41	0.15	24.0	1781.6	4975.4	1815.4
17	1.01	26.0	1.1	6443.55	283.52	141.76	0.15	24.0	1535.0	4607.8	1750.4
18	1.01	27.9	1.1	5690.43	250.38	125.19	0.15	24.0	1248.0	4144.2	1666.7
19	1.01	29.8	1.2	4865.93	214.1	107.05	0.15	24.0	906.5	3657.9	1579.8
20	4.22	35.0	5.1	8819.04	388.04	194.02	0.0	21.0	0.0	9559.9	1721.5

xc = 23.365 yc = 43.782 Rc = 38.879 Fs=1.291

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	10.7	0.3	67.34	2.96	1.48	0.0	21.0	0.0	64.9	19.3
2	0.26	11.1	0.3	201.33	8.86	4.43	0.0	21.0	0.0	193.9	57.7
3	0.23	11.4	0.2	279.03	12.28	6.14	0.0	21.0	0.0	268.5	79.9
4	0.3	11.8	0.3	437.68	19.26	9.63	0.0	21.0	0.0	421.0	125.2
5	0.26	12.3	0.3	385.51	16.96	8.48	0.0	21.0	0.0	370.6	110.2

6	0.26	12.7	0.3	386.47	17.0	8.5	0.0	21.0	0.0	371.3	110.4
7	0.18	13.0	0.2	260.34	11.46	5.73	0.0	21.0	0.0	250.0	74.4
8	0.35	13.4	0.4	501.65	22.07	11.04	0.0	21.0	0.0	481.6	143.2
9	0.26	13.9	0.3	362.71	15.96	7.98	0.0	21.0	0.0	348.0	103.5
10	0.39	14.4	0.4	513.11	22.58	11.29	0.0	21.0	0.0	492.2	146.4
11	0.13	14.8	0.1	165.73	7.29	3.65	0.0	21.0	0.0	158.9	47.3
12	0.26	15.1	0.3	296.14	13.03	6.52	0.0	21.0	0.0	284.0	84.4
13	0.26	15.5	0.3	258.45	11.37	5.69	0.0	21.0	0.0	247.8	73.7
14	0.34	15.9	0.4	278.73	12.26	6.13	0.0	21.0	0.0	267.2	79.5
15	0.18	16.3	0.2	122.79	5.4	2.7	0.0	21.0	0.0	117.7	35.0
16	0.26	16.7	0.3	147.18	6.48	3.24	0.0	21.0	0.0	141.1	42.0
17	0.26	17.1	0.3	111.95	4.93	2.46	0.0	21.0	0.0	107.3	31.9
18	0.29	17.5	0.3	82.26	3.62	1.81	0.0	21.0	0.0	78.9	23.5
19	0.23	17.9	0.2	35.94	1.58	0.79	0.0	21.0	0.0	34.5	10.2
20	0.26	18.3	0.3	14.39	0.63	0.32	0.0	21.0	0.0	13.8	4.1

xc = 25.056 yc = 42.19 Rc = 37.363 Fs=1.386

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.16	7.8	0.2	8.67	0.38	0.19	0.0	21.0	0.0	8.4	2.3
2	0.61	8.4	0.6	446.88	19.66	9.83	0.0	21.0	0.0	434.0	120.2
3	0.39	9.1	0.4	681.28	29.98	14.99	0.0	21.0	0.0	660.6	182.9
4	0.38	9.7	0.4	807.62	35.54	17.77	0.0	21.0	0.0	782.3	216.6
5	0.38	10.3	0.4	838.91	36.91	18.46	0.0	21.0	0.0	811.8	224.7
6	0.24	10.8	0.2	538.5	23.69	11.85	0.0	21.0	0.0	520.7	144.2
7	0.53	11.4	0.5	1147.12	50.47	25.24	0.0	21.0	0.0	1108.3	306.8
8	0.48	12.2	0.5	1017.77	44.78	22.39	0.0	21.0	0.0	982.5	272.0
9	0.29	12.8	0.3	583.07	25.66	12.83	0.0	21.0	0.0	562.5	155.7
10	0.38	13.4	0.4	715.41	31.48	15.74	0.0	21.0	0.0	689.9	191.0
11	0.33	13.9	0.3	559.2	24.6	12.3	0.0	21.0	0.0	539.1	149.3
12	0.44	14.5	0.5	661.16	29.09	14.55	0.0	21.0	0.0	637.3	176.4
13	0.57	15.3	0.6	732.78	32.24	16.12	0.0	21.0	0.0	706.2	195.5
14	0.2	15.9	0.2	227.07	9.99	5.0	0.0	21.0	0.0	218.8	60.6
15	0.38	16.4	0.4	395.8	17.42	8.71	0.0	21.0	0.0	381.5	105.6
16	0.42	17.1	0.4	371.71	16.36	8.18	0.0	21.0	0.0	358.4	99.2
17	0.35	17.7	0.4	255.06	11.22	5.61	0.0	21.0	0.0	246.0	68.1
18	0.38	18.3	0.4	213.62	9.4	4.7	0.0	21.0	0.0	206.1	57.1
19	0.27	18.8	0.3	106.7	4.69	2.35	0.0	21.0	0.0	103.0	28.5
20	0.5	19.4	0.5	82.1	3.61	1.81	0.0	21.0	0.0	79.3	22.0

xc = 28.438 yc = 42.19 Rc = 37.502 Fs=1.385

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.37	0.8	0.4	4.01	0.18	0.09	0.0	21.0	0.0	4.0	1.1
2	1.01	1.9	1.0	504.33	22.19	11.1	0.0	21.0	201.7	300.1	83.1
3	1.01	3.4	1.0	2055.95	90.46	45.23	0.0	21.0	359.7	1671.5	463.1
4	0.4	4.5	0.4	1284.92	56.54	28.27	0.0	21.0	177.3	1087.3	301.2
5	0.6	5.3	0.6	2000.69	88.03	44.02	0.0	21.0	289.3	1675.7	464.3
6	1.01	6.5	1.0	3442.74	151.48	75.74	0.0	21.0	543.0	2829.0	783.8
7	0.48	7.7	0.5	1630.54	71.74	35.87	0.0	21.0	279.6	1314.1	364.1
8	0.52	8.5	0.5	1682.28	74.02	37.01	0.0	21.0	308.3	1334.1	369.6
9	1.01	9.6	1.0	3031.97	133.41	66.7	0.0	21.0	603.4	2352.7	651.9
10	0.56	10.9	0.6	1599.88	70.39	35.2	0.0	21.0	339.0	1219.1	337.8
11	0.44	11.6	0.5	1216.5	53.53	26.76	0.0	21.0	258.2	925.6	256.4
12	1.01	12.8	1.0	2588.07	113.88	56.94	0.0	21.0	562.3	1954.5	541.5
13	0.64	14.1	0.7	1465.09	64.46	32.23	0.0	21.0	325.5	1098.5	304.4
14	0.7	15.1	0.7	1359.93	59.84	29.92	0.0	21.0	305.2	1016.4	281.6
15	0.67	16.2	0.7	1101.67	48.47	24.24	0.0	21.0	244.6	826.0	228.9
16	1.01	17.5	1.1	1214.92	53.46	26.73	0.0	21.0	267.3	913.8	253.2
17	0.42	18.7	0.4	354.52	15.6	7.8	0.0	21.0	63.3	281.0	77.9
18	0.59	19.5	0.6	404.64	17.8	8.9	0.0	21.0	36.2	356.0	98.6
19	0.81	20.6	0.9	336.63	14.81	7.41	0.0	21.0	0.0	325.7	90.2
20	0.7	21.9	0.8	75.95	3.34	1.67	0.0	21.0	0.0	73.6	20.4

xc = 33.511 yc = 43.782 Rc = 39.294 Fs=2.317

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.99	-5.6	1.0	568.1	25.0	12.5	0.0	21.0	245.8	329.2	54.5
2	1.01	-4.1	1.0	2366.18	104.11	52.06	0.0	21.0	527.4	1865.8	309.1
3	1.01	-2.6	1.0	3847.47	169.29	84.64	0.15	24.0	767.2	3141.7	1255.6
4	1.01	-1.2	1.0	4266.08	187.71	93.85	0.15	24.0	980.9	3312.4	1287.8
5	1.01	0.3	1.0	4402.73	193.72	96.86	0.15	24.0	1156.8	3239.6	1273.7
6	1.01	1.8	1.0	4387.74	193.06	96.53	0.15	24.0	1318.7	3032.7	1234.2
7	1.01	3.2	1.0	4444.38	195.55	97.78	0.15	24.0	1454.6	2926.1	1214.5
8	1.01	4.7	1.0	4488.78	197.51	98.75	0.15	24.0	1564.5	2835.7	1198.3
9	2.01	6.9	2.0	8551.63	376.27	188.14	0.15	24.0	3348.3	4966.8	2266.3
10	1.01	9.1	1.0	3968.68	174.62	87.31	0.15	24.0	1724.2	2102.4	1063.6
11	1.01	10.6	1.0	3812.63	167.76	83.88	0.15	24.0	1715.9	1939.2	1035.2
12	1.01	12.1	1.0	3735.0	164.34	82.17	0.15	24.0	1692.4	1869.1	1025.2
13	1.01	13.6	1.0	3669.83	161.47	80.74	0.15	24.0	1641.1	1839.5	1023.5

14	1.01	15.1	1.0	3681.26	161.98	80.99	0.15	24.0	1549.5	1925.8	1044.7
15	1.01	16.7	1.1	3796.17	167.03	83.52	0.15	24.0	1441.1	2132.2	1089.5
16	1.01	18.2	1.1	3855.05	169.62	84.81	0.15	24.0	1303.2	2314.6	1130.3
17	3.02	21.3	3.2	10642.38	468.26	234.13	0.15	24.0	2771.7	7097.8	3461.2
18	4.02	27.0	4.5	14579.43	641.49	320.75	0.0	21.0	0.0	15088.6	2499.3
19	1.17	31.3	1.4	2185.5	96.16	48.08	0.0	21.0	0.0	2323.4	384.9
20	1.33	33.4	1.6	957.3	42.12	21.06	0.0	21.0	0.0	1034.1	171.3

xc = 35.202 yc = 42.19 Rc = 37.778 Fs=2.301

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.75	-8.2	0.8	343.34	15.11	7.55	0.0	21.0	109.6	242.0	40.4
2	1.01	-6.9	1.0	2192.55	96.47	48.24	0.0	21.0	433.5	1808.0	301.6
3	1.01	-5.3	1.0	3761.62	165.51	82.76	0.0	21.0	721.5	3101.5	517.4
4	1.01	-3.8	1.0	4268.52	187.82	93.91	0.15	24.0	982.2	3380.5	1311.5
5	1.01	-2.3	1.0	4492.03	197.65	98.82	0.15	24.0	1203.8	3342.4	1303.2
6	1.01	-0.7	1.0	4561.8	200.72	100.36	0.15	24.0	1410.3	3168.2	1269.0
7	1.01	0.8	1.0	4701.28	206.86	103.43	0.15	24.0	1589.8	3094.6	1254.8
8	3.02	3.8	3.0	14395.45	633.4	316.7	0.15	24.0	5567.7	8603.3	3637.0
9	3.02	8.5	3.1	13380.94	588.76	294.38	0.15	24.0	6170.5	6798.5	3305.0
10	1.16	11.7	1.2	5151.0	226.64	113.32	0.15	24.0	2369.1	2578.3	1270.7
11	0.85	13.2	0.9	3863.28	169.98	84.99	0.15	24.0	1706.0	1991.2	956.5
12	1.01	14.7	1.0	4736.48	208.41	104.2	0.15	24.0	1936.0	2586.2	1178.5
13	1.01	16.3	1.0	4866.78	214.14	107.07	0.15	24.0	1835.7	2800.0	1225.1
14	1.01	17.9	1.1	4948.43	217.73	108.87	0.15	24.0	1705.0	2998.7	1269.4
15	2.01	20.3	2.1	8717.34	383.56	191.78	0.15	24.0	2887.7	5317.7	2427.7
16	1.01	22.7	1.1	4373.68	192.44	96.22	0.15	24.0	1109.2	2998.3	1291.4
17	1.01	24.4	1.1	4680.98	205.96	102.98	0.15	24.0	859.5	3557.3	1408.7
18	1.01	26.1	1.1	4799.44	211.18	105.59	0.15	24.0	610.0	3934.4	1491.7
19	1.01	27.8	1.1	4270.05	187.88	93.94	0.15	24.0	311.1	3706.4	1458.8
20	4.07	32.3	4.8	8818.16	388.0	194.0	0.0	21.0	0.0	9439.1	1574.7

xc = 36.893 yc = 43.782 Rc = 39.432 Fs=2.089

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.45	-10.1	0.5	133.12	5.86	2.93	0.0	21.0	2.2	137.5	25.3
2	1.01	-9.1	1.0	1898.05	83.51	41.76	0.0	21.0	274.3	1693.8	311.2

3	1.01	-7.6	1.0	3540.84	155.8	77.9	0.0	21.0	602.2	3038.8	558.3
4	1.01	-6.1	1.0	4119.01	181.24	90.62	0.15	24.0	903.5	3388.7	1448.5
5	1.01	-4.6	1.0	4421.4	194.54	97.27	0.15	24.0	1166.6	3382.7	1445.5
6	1.01	-3.2	1.0	4571.83	201.16	100.58	0.15	24.0	1415.6	3239.4	1413.7
7	1.01	-1.7	1.0	4793.92	210.93	105.47	0.15	24.0	1638.6	3198.5	1404.2
8	3.02	1.2	3.0	15188.4	668.29	334.14	0.15	24.0	5985.1	9117.9	4110.3
9	4.2	6.5	4.2	21173.67	931.64	465.82	0.15	24.0	9964.8	10677.2	5310.8
10	0.83	10.2	0.8	4462.68	196.36	98.18	0.15	24.0	2027.7	2278.2	1090.4
11	1.01	11.5	1.0	5691.63	250.43	125.22	0.15	24.0	2438.7	3037.5	1384.4
12	1.01	13.0	1.0	5935.68	261.17	130.59	0.15	24.0	2398.3	3296.7	1443.9
13	1.01	14.5	1.0	6135.9	269.98	134.99	0.15	24.0	2329.9	3542.6	1501.1
14	2.01	16.8	2.1	11468.23	504.6	252.3	0.15	24.0	4335.6	6571.9	2909.6
15	1.01	19.1	1.1	5950.91	261.84	130.92	0.15	24.0	1939.3	3706.9	1554.4
16	1.01	20.7	1.1	6401.5	281.67	140.83	0.15	24.0	1765.1	4317.1	1691.9
17	1.01	22.2	1.1	6671.18	293.53	146.77	0.15	24.0	1595.1	4751.0	1792.8
18	1.01	23.8	1.1	6301.85	277.28	138.64	0.15	24.0	1380.5	4598.5	1769.5
19	1.01	25.4	1.1	5700.88	250.84	125.42	0.15	24.0	1144.2	4236.1	1702.5
20	5.87	31.2	6.9	17227.0	757.99	378.99	0.0	21.0	303.4	17809.4	3271.8

xc = 25.056 yc = 45.373 Rc = 40.533 Fs=1.457

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.19	7.1	0.2	13.01	0.57	0.29	0.0	21.0	0.0	12.7	3.3
2	0.63	7.7	0.6	496.95	21.87	10.93	0.0	21.0	0.0	484.2	127.6
3	0.37	8.4	0.4	669.16	29.44	14.72	0.0	21.0	0.0	651.0	171.5
4	0.45	9.0	0.5	994.35	43.75	21.88	0.0	21.0	0.0	966.4	254.6
5	0.55	9.8	0.6	1253.91	55.17	27.59	0.0	21.0	0.0	1217.2	320.7
6	0.27	10.3	0.3	612.39	26.95	13.47	0.0	21.0	0.0	593.9	156.5
7	0.41	10.8	0.4	925.48	40.72	20.36	0.0	21.0	0.0	897.0	236.4
8	0.33	11.4	0.3	719.17	31.64	15.82	0.0	21.0	0.0	696.7	183.6
9	0.5	12.0	0.5	1037.82	45.66	22.83	0.0	21.0	0.0	1004.8	264.8
10	0.51	12.7	0.5	946.77	41.66	20.83	0.0	21.0	0.0	916.1	241.4
11	0.32	13.3	0.3	531.53	23.39	11.69	0.0	21.0	0.0	514.2	135.5
12	0.41	13.8	0.4	635.91	27.98	13.99	0.0	21.0	0.0	615.0	162.1
13	0.28	14.3	0.3	391.91	17.24	8.62	0.0	21.0	0.0	379.0	99.9
14	0.54	14.9	0.6	689.81	30.35	15.18	0.0	21.0	0.0	667.0	175.8
15	0.46	15.7	0.5	515.07	22.66	11.33	0.0	21.0	0.0	498.1	131.3
16	0.36	16.3	0.4	349.65	15.38	7.69	0.0	21.0	0.0	338.2	89.1
17	0.41	16.8	0.4	331.24	14.57	7.29	0.0	21.0	0.0	320.5	84.5
18	0.23	17.3	0.2	154.42	6.79	3.4	0.0	21.0	0.0	149.5	39.4
19	0.59	17.9	0.6	257.57	11.33	5.67	0.0	21.0	0.0	249.4	65.7
20	0.41	18.7	0.4	53.43	2.35	1.18	0.0	21.0	0.0	51.8	13.6

xc = 26.747 yc = 46.965 Rc = 42.187 Fs=1.496

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.73	4.2	0.7	218.25	9.6	4.8	0.0	21.0	40.2	175.3	45.0
2	0.41	5.0	0.4	418.38	18.41	9.2	0.0	21.0	52.6	359.1	92.2
3	0.6	5.6	0.6	1252.42	55.11	27.55	0.0	21.0	100.4	1129.0	289.8
4	0.53	6.4	0.5	1480.31	65.13	32.57	0.0	21.0	114.7	1335.7	342.8
5	0.47	7.1	0.5	1361.08	59.89	29.94	0.0	21.0	112.9	1218.8	312.8
6	0.66	7.9	0.7	1929.9	84.92	42.46	0.0	21.0	171.4	1714.4	440.0
7	0.35	8.6	0.4	1011.91	44.52	22.26	0.0	21.0	97.9	889.9	228.4
8	1.01	9.5	1.0	2764.69	121.65	60.82	0.0	21.0	284.0	2411.6	618.9
9	0.35	10.4	0.4	872.1	38.37	19.19	0.0	21.0	97.9	751.7	192.9
10	0.66	11.1	0.7	1563.9	68.81	34.41	0.0	21.0	186.3	1336.5	343.0
11	0.47	11.9	0.5	1050.2	46.21	23.1	0.0	21.0	124.0	898.0	230.5
12	0.53	12.6	0.5	1132.1	49.81	24.91	0.0	21.0	126.2	974.8	250.2
13	0.6	13.4	0.6	1181.4	51.98	25.99	0.0	21.0	127.6	1020.9	262.0
14	0.41	14.1	0.4	736.7	32.41	16.21	0.0	21.0	70.6	645.2	165.6
15	0.73	14.9	0.8	1134.96	49.94	24.97	0.0	21.0	88.7	1013.5	260.1
16	0.57	15.8	0.6	700.38	30.82	15.41	0.0	21.0	36.3	643.4	165.1
17	0.72	16.7	0.8	675.2	29.71	14.85	0.0	21.0	0.0	654.5	168.0
18	0.41	17.5	0.4	265.49	11.68	5.84	0.0	21.0	0.0	257.5	66.1
19	0.57	18.2	0.6	204.9	9.02	4.51	0.0	21.0	0.0	198.9	51.1
20	0.57	19.0	0.6	53.38	2.35	1.17	0.0	21.0	0.0	51.9	13.3

xc = 33.511 yc = 46.965 Rc = 42.464 Fs=2.46

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.0	-5.2	1.0	569.18	25.04	12.52	0.0	21.0	247.8	327.3	51.1
2	1.01	-3.8	1.0	2355.32	103.63	51.82	0.0	21.0	521.5	1857.2	289.8
3	1.01	-2.5	1.0	3827.8	168.42	84.21	0.15	24.0	756.8	3124.3	1179.7
4	1.01	-1.1	1.0	4241.6	186.63	93.32	0.15	24.0	968.1	3297.2	1210.6
5	1.01	0.3	1.0	4377.13	192.59	96.3	0.15	24.0	1143.3	3228.3	1198.0
6	1.01	1.6	1.0	4364.7	192.05	96.02	0.15	24.0	1306.6	3026.5	1161.7
7	1.01	3.0	1.0	4427.59	194.81	97.41	0.15	24.0	1445.8	2926.3	1144.2
8	3.02	5.7	3.0	13163.93	579.21	289.61	0.15	24.0	4919.6	7956.5	3290.3
9	3.02	9.8	3.1	11653.31	512.75	256.37	0.15	24.0	5261.2	5976.5	2950.1
10	1.01	12.6	1.0	3805.85	167.46	83.73	0.15	24.0	1712.6	1926.5	977.5

11	1.19	14.1	1.2	4585.9	201.78	100.89	0.15	24.0	1949.2	2419.7	1189.2
12	0.82	15.5	0.8	3281.81	144.4	72.2	0.15	24.0	1263.1	1858.0	853.9
13	1.01	16.8	1.1	4122.84	181.41	90.7	0.15	24.0	1444.2	2469.6	1088.0
14	1.01	18.2	1.1	4188.04	184.27	92.14	0.15	24.0	1304.7	2664.1	1128.3
15	2.01	20.4	2.1	7170.77	315.51	157.76	0.15	24.0	2073.8	4639.0	2149.0
16	1.01	22.6	1.1	3602.73	158.52	79.26	0.15	24.0	703.5	2663.2	1146.6
17	1.01	24.0	1.1	3920.77	172.51	86.26	0.15	24.0	459.4	3229.6	1256.6
18	1.01	25.5	1.1	4057.98	178.55	89.28	0.15	24.0	219.7	3616.2	1334.7
19	1.01	27.1	1.1	3561.69	156.71	78.36	0.0	21.0	0.0	3704.1	578.1
20	3.63	30.7	4.2	6391.53	281.23	140.61	0.0	21.0	0.0	6801.4	1061.5

xc = 35.202 yc = 45.373 Rc = 40.948 Fs=2.202

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.78	-7.6	0.8	367.23	16.16	8.08	0.0	21.0	116.4	259.1	45.2
2	1.01	-6.3	1.0	2206.8	97.1	48.55	0.0	21.0	441.2	1811.4	315.7
3	1.01	-4.9	1.0	3760.22	165.45	82.72	0.0	21.0	720.8	3097.1	539.8
4	1.01	-3.5	1.0	4255.14	187.23	93.61	0.15	24.0	975.2	3369.8	1367.9
5	1.01	-2.1	1.0	4470.73	196.71	98.36	0.15	24.0	1192.6	3330.0	1359.0
6	1.01	-0.7	1.0	4536.59	199.61	99.8	0.15	24.0	1397.0	3155.6	1323.3
7	1.01	0.7	1.0	4676.13	205.75	102.87	0.15	24.0	1576.6	3083.2	1308.7
8	3.02	3.5	3.0	14356.15	631.67	315.84	0.15	24.0	5547.1	8590.8	3796.7
9	3.21	7.9	3.2	14359.12	631.8	315.9	0.15	24.0	6654.5	7267.0	3676.2
10	0.82	10.8	0.8	3698.25	162.72	81.36	0.15	24.0	1702.3	1852.9	939.9
11	1.01	12.1	1.0	4673.0	205.61	102.81	0.15	24.0	2071.5	2406.4	1187.3
12	1.01	13.5	1.0	4898.73	215.54	107.77	0.15	24.0	2021.4	2660.5	1242.7
13	1.01	15.0	1.0	5073.02	223.21	111.61	0.15	24.0	1944.3	2892.6	1294.2
14	1.01	16.4	1.0	5204.15	228.98	114.49	0.15	24.0	1839.5	3111.6	1343.6
15	2.01	18.7	2.1	9399.43	413.58	206.79	0.15	24.0	3246.7	5621.7	2583.2
16	1.01	20.9	1.1	4814.73	211.85	105.92	0.15	24.0	1341.3	3191.5	1378.8
17	1.01	22.4	1.1	5197.77	228.7	114.35	0.15	24.0	1131.5	3777.8	1505.1
18	1.01	23.9	1.1	5400.0	237.6	118.8	0.15	24.0	926.0	4186.4	1596.2
19	1.01	25.5	1.1	4963.21	218.38	109.19	0.15	24.0	676.0	4001.9	1568.3
20	5.07	30.4	5.9	13339.67	586.95	293.47	0.0	21.0	0.0	14029.7	2445.4

xc = 36.893 yc = 46.965 Rc = 42.602 Fs=2.28

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.51	-9.4	0.5	162.6	7.15	3.58	0.0	21.0	17.0	151.9	25.6
2	1.01	-8.4	1.01	941.84	85.44	42.72	0.0	21.0	298.0	1703.8	286.8
3	1.01	-7.0	1.03	563.88	156.81	78.41	0.0	21.0	614.7	3034.2	510.8
4	1.01	-5.6	1.04	125.29	181.51	90.76	0.15	24.0	906.8	3364.9	1322.2
5	1.01	-4.3	1.04	414.12	194.22	97.11	0.15	24.0	1162.8	3359.5	1319.7
6	1.01	-2.9	1.04	554.75	200.41	100.2	0.15	24.0	1406.6	3218.4	1291.2
7	1.01	-1.6	1.04	770.73	209.91	104.96	0.15	24.0	1626.4	3180.9	1283.3
8	3.02	1.1	3.01	5115.17	665.07	332.53	0.15	24.0	5946.5	9096.3	3762.3
9	5.03	6.6	5.12	5567.89	1124.99	562.49	0.15	24.0	12089.6	12893.9	5849.1
10	2.01	11.4	2.11	1962.72	526.36	263.18	0.15	24.0	4966.8	6605.5	2640.0
11	1.14	13.5	1.27	125.01	313.5	156.75	0.15	24.0	2718.7	4152.3	1578.7
12	1.88	15.6	2.01	1185.33	492.15	246.08	0.15	24.0	4266.8	6470.9	2550.1
13	2.01	18.4	2.11	2557.22	552.52	276.26	0.15	24.0	4033.0	8000.1	2956.9
14	1.01	20.5	1.17	092.38	312.06	156.03	0.15	24.0	1816.8	5002.9	1683.6
15	2.01	22.7	2.21	3255.09	583.22	291.61	0.15	24.0	3102.7	9618.9	3313.2
16	1.15	25.0	1.36	389.04	281.12	140.56	0.15	24.0	1366.0	4723.3	1756.7
17	0.86	26.5	1.04	188.44	184.29	92.15	0.15	24.0	802.0	3160.1	1251.5
18	1.01	27.9	1.14	161.92	183.12	91.56	0.15	24.0	655.1	3236.9	1381.2
19	2.01	30.3	2.35	434.01	239.1	119.55	0.15	24.0	291.9	4541.7	2419.6
20	2.57	33.9	3.12	505.96	110.26	55.13	0.0	21.0	0.0	2712.7	456.7

xc = 38.584 yc = 45.373 Rc = 41.086 Fs=2.143

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.12	-11.9	0.1	9.24	0.41	0.2	0.0	21.0	0.0	9.8	1.8
2	1.01	-11.1	1.01	503.05	66.13	33.07	0.0	21.0	60.8	1523.1	272.9
3	1.01	-9.7	1.03	214.74	141.45	70.72	0.0	21.0	425.9	2917.8	522.7
4	1.01	-8.2	1.0	3856.1	169.67	84.83	0.15	24.0	765.2	3326.1	1402.9
5	1.01	-6.8	1.0	4231.8	186.2	93.1	0.15	24.0	1066.8	3355.7	1406.7
6	1.01	-5.4	1.04	457.01	196.11	98.05	0.15	24.0	1355.1	3246.5	1382.2
7	1.01	-4.0	1.04	755.43	209.24	104.62	0.15	24.0	1618.3	3241.2	1379.7
8	3.02	-1.2	3.01	5546.66	684.05	342.03	0.15	24.0	6173.6	9459.7	4079.4
9	7.04	5.9	7.14	0304.89	1773.42	886.71	0.15	24.0	19180.1	20294.3	9174.0
10	1.26	11.7	1.38	918.26	392.4	196.2	0.15	24.0	3519.3	5107.5	1960.5
11	1.76	13.9	1.81	2059.51	530.62	265.31	0.15	24.0	4807.8	6806.9	2684.2
12	2.01	16.6	2.11	4602.27	642.5	321.25	0.15	24.0	5109.3	8915.4	3322.6
13	2.01	19.5	2.11	6196.37	712.64	356.32	0.15	24.0	4677.0	10889.7	3757.8
14	2.01	22.5	2.21	4361.45	631.9	315.95	0.15	24.0	4007.1	9737.9	3549.0
15	1.01	24.8	1.16	322.42	278.19	139.09	0.15	24.0	1673.1	4345.9	1679.3
16	1.68	26.9	1.98	984.13	395.3	197.65	0.15	24.0	2199.6	6277.0	2623.6
17	1.34	29.3	1.55	306.47	233.48	116.74	0.15	24.0	1119.9	3759.4	1855.9
18	1.01	31.2	1.23	113.18	136.98	68.49	0.15	24.0	417.7	2356.0	1313.1

19	1.01	32.9	1.2	2540.6	111.79	55.89	0.15	24.0	0.3	2188.7	1293.4
20	3.64	36.9	4.5	5487.38	241.44	120.72	0.0	21.0	0.0	6046.6	1083.3

xc = 23.365 yc = 50.148 Rc = 45.219 Fs=1.423

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.33	9.1	0.3	107.81	4.74	2.37	0.0	21.0	0.0	104.7	28.2
2	0.49	9.7	0.5	549.39	24.17	12.09	0.0	21.0	0.0	532.8	143.7
3	0.17	10.1	0.2	280.31	12.33	6.17	0.0	21.0	0.0	271.7	73.3
4	0.33	10.4	0.3	539.71	23.75	11.87	0.0	21.0	0.0	522.8	141.0
5	0.33	10.8	0.3	547.98	24.11	12.06	0.0	21.0	0.0	530.5	143.1
6	0.17	11.2	0.2	292.4	12.87	6.43	0.0	21.0	0.0	283.0	76.3
7	0.48	11.6	0.5	802.81	35.32	17.66	0.0	21.0	0.0	776.6	209.5
8	0.33	12.1	0.3	528.09	23.24	11.62	0.0	21.0	0.0	510.6	137.7
9	0.19	12.4	0.2	300.91	13.24	6.62	0.0	21.0	0.0	290.8	78.5
10	0.47	12.9	0.5	674.08	29.66	14.83	0.0	21.0	0.0	651.3	175.7
11	0.33	13.4	0.3	414.53	18.24	9.12	0.0	21.0	0.0	400.4	108.0
12	0.21	13.7	0.2	237.3	10.44	5.22	0.0	21.0	0.0	229.2	61.8
13	0.45	14.2	0.5	441.81	19.44	9.72	0.0	21.0	0.0	426.6	115.1
14	0.33	14.7	0.3	270.65	11.91	5.95	0.0	21.0	0.0	261.3	70.5
15	0.23	15.0	0.2	159.97	7.04	3.52	0.0	21.0	0.0	154.4	41.7
16	0.43	15.5	0.4	251.19	11.05	5.53	0.0	21.0	0.0	242.5	65.4
17	0.33	16.0	0.3	152.42	6.71	3.35	0.0	21.0	0.0	147.2	39.7
18	0.25	16.4	0.3	90.39	3.98	1.99	0.0	21.0	0.0	87.3	23.5
19	0.41	16.8	0.4	97.55	4.29	2.15	0.0	21.0	0.0	94.2	25.4
20	0.33	17.3	0.3	24.45	1.08	0.54	0.0	21.0	0.0	23.6	6.4

xc = 25.056 yc = 48.557 Rc = 43.703 Fs=1.524

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.21	6.6	0.2	16.51	0.73	0.36	0.0	21.0	0.0	16.1	4.1
2	0.67	7.2	0.7	565.17	24.87	12.43	0.0	21.0	0.0	552.1	139.1
3	0.34	7.8	0.3	629.66	27.71	13.85	0.0	21.0	0.0	614.3	154.7
4	0.54	8.4	0.5	1223.3	53.83	26.91	0.0	21.0	0.0	1192.2	300.3
5	0.46	9.1	0.5	1074.87	47.29	23.65	0.0	21.0	0.0	1046.4	263.5
6	0.42	9.7	0.4	975.01	42.9	21.45	0.0	21.0	0.0	948.3	238.9
7	0.59	10.4	0.6	1357.27	59.72	29.86	0.0	21.0	0.0	1319.0	332.2

8	0.29	10.9	0.3	645.77	28.41	14.21	0.0	21.0	0.0	627.2	158.0
9	0.44	11.4	0.4	912.49	40.15	20.07	0.0	21.0	0.0	885.8	223.1
10	0.28	11.9	0.3	529.97	23.32	11.66	0.0	21.0	0.0	514.3	129.5
11	0.6	12.5	0.6	1063.82	46.81	23.4	0.0	21.0	0.0	1032.0	259.9
12	0.4	13.2	0.4	632.75	27.84	13.92	0.0	21.0	0.0	613.7	154.6
13	0.48	13.8	0.5	688.76	30.31	15.15	0.0	21.0	0.0	667.9	168.2
14	0.53	14.4	0.5	690.3	30.37	15.19	0.0	21.0	0.0	669.4	168.6
15	0.35	15.0	0.4	411.86	18.12	9.06	0.0	21.0	0.0	399.4	100.6
16	0.65	15.7	0.7	639.82	28.15	14.08	0.0	21.0	0.0	620.7	156.3
17	0.23	16.3	0.2	177.7	7.82	3.91	0.0	21.0	0.0	172.4	43.4
18	0.44	16.8	0.5	265.5	11.68	5.84	0.0	21.0	0.0	257.7	64.9
19	0.44	17.4	0.5	155.43	6.84	3.42	0.0	21.0	0.0	151.0	38.0
20	0.44	18.0	0.5	51.56	2.27	1.13	0.0	21.0	0.0	50.1	12.6

xc = 26.747 yc = 50.148 Rc = 45.357 Fs=1.523

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.71	3.9	0.7	210.85	9.28	4.64	0.0	21.0	34.9	173.3	43.7
2	0.51	4.7	0.5	583.51	25.67	12.84	0.0	21.0	62.9	511.8	129.0
3	0.49	5.3	0.5	1086.44	47.8	23.9	0.0	21.0	86.5	981.3	247.4
4	1.01	6.3	1.0	2855.92	125.66	62.83	0.0	21.0	232.0	2568.6	647.5
5	0.34	7.1	0.3	987.99	43.47	21.74	0.0	21.0	90.8	876.5	221.0
6	0.67	7.8	0.7	1984.36	87.31	43.66	0.0	21.0	193.9	1747.0	440.4
7	0.55	8.5	0.6	1584.0	69.7	34.85	0.0	21.0	170.3	1377.4	347.2
8	0.45	9.2	0.5	1230.5	54.14	27.07	0.0	21.0	142.6	1058.9	266.9
9	1.01	10.1	1.0	2512.69	110.56	55.28	0.0	21.0	322.7	2128.9	536.7
10	0.37	11.0	0.4	868.55	38.22	19.11	0.0	21.0	116.3	730.5	184.2
11	0.63	11.7	0.6	1417.14	62.35	31.18	0.0	21.0	193.5	1187.6	299.4
12	0.59	12.4	0.6	1239.98	54.56	27.28	0.0	21.0	166.9	1041.0	262.4
13	0.42	13.1	0.4	813.03	35.77	17.89	0.0	21.0	104.9	686.8	173.1
14	0.81	13.9	0.8	1379.89	60.72	30.36	0.0	21.0	171.7	1171.5	295.3
15	0.61	14.8	0.6	845.21	37.19	18.59	0.0	21.0	92.1	730.3	184.1
16	0.59	15.6	0.6	667.51	29.37	14.69	0.0	21.0	55.9	593.2	149.6
17	0.63	16.4	0.7	519.94	22.88	11.44	0.0	21.0	16.4	488.7	123.2
18	0.38	17.1	0.4	209.96	9.24	4.62	0.0	21.0	0.0	203.9	51.4
19	0.85	17.9	0.9	283.97	12.49	6.25	0.0	21.0	0.0	275.9	69.6
20	0.61	18.8	0.6	67.86	2.99	1.49	0.0	21.0	0.0	66.0	16.6

xc = 28.438 yc = 48.557 Rc = 43.841 Fs=2.075

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.0	1.6	1.0	459.88	20.23	10.12	0.0	21.0	189.0	269.6	49.9
2	1.01	2.9	1.02	024.17	89.06	44.53	0.0	21.0	342.5	1668.0	308.6
3	1.01	4.3	1.03	275.39	144.12	72.06	0.0	21.0	458.7	2786.1	515.4
4	1.01	5.6	1.03	458.52	152.17	76.09	0.0	21.0	551.5	2869.0	530.8
5	1.01	6.9	1.03	365.37	148.08	74.04	0.0	21.0	608.7	2716.0	502.5
6	0.46	7.9	0.51	448.88	63.75	31.88	0.0	21.0	293.7	1137.1	210.4
7	0.55	8.5	0.61	675.66	73.73	36.86	0.0	21.0	357.5	1296.9	239.9
8	1.01	9.6	1.02	964.27	130.43	65.21	0.15	24.0	675.6	2120.0	1192.5
9	1.01	10.9	1.02	794.64	122.96	61.48	0.15	24.0	672.9	1938.1	1156.6
10	1.1	12.3	1.12	678.78	117.87	58.93	0.15	24.0	692.8	1772.7	1191.8
11	0.92	13.6	0.91	879.36	82.69	41.35	0.0	21.0	529.9	1329.0	245.9
12	1.01	14.9	1.01	652.57	72.71	36.36	0.0	21.0	503.9	1133.0	209.6
13	1.01	16.3	1.01	296.18	57.03	28.52	0.0	21.0	388.6	897.1	166.0
14	1.01	17.7	1.11	021.48	44.95	22.47	0.0	21.0	259.0	755.7	139.8
15	1.01	19.1	1.1	762.21	33.54	16.77	0.0	21.0	102.6	656.0	121.4
16	0.55	20.1	0.6	334.71	14.73	7.36	0.0	21.0	0.0	333.9	61.8
17	0.46	20.8	0.5	245.97	10.82	5.41	0.0	21.0	0.0	245.9	45.5
18	1.01	21.9	1.1	508.35	22.37	11.18	0.0	21.0	0.0	509.9	94.3
19	1.01	23.3	1.1	380.57	16.75	8.37	0.0	21.0	0.0	383.8	71.0
20	1.18	24.9	1.3	234.42	10.31	5.16	0.0	21.0	0.0	238.0	44.0

xc = 33.511 yc = 50.148 Rc = 45.634 Fs=2.424

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.0	-4.8	1.0	566.63	24.93	12.47	0.0	21.0	235.1	337.2	53.4
2	1.01	-3.5	1.02	342.49	103.07	51.53	0.0	21.0	514.6	1849.6	292.9
3	1.01	-2.3	1.03	807.29	167.52	83.76	0.15	24.0	746.0	3111.3	1194.5
4	1.01	-1.0	1.04	216.95	185.55	92.77	0.15	24.0	955.1	3284.1	1225.8
5	1.01	0.2	1.04	351.51	191.47	95.73	0.15	24.0	1129.8	3216.5	1213.3
6	1.01	1.5	1.04	341.28	191.02	95.51	0.15	24.0	1294.2	3017.1	1176.9
7	1.01	2.8	1.04	409.55	194.02	97.01	0.15	24.0	1436.3	2920.6	1159.7
8	3.02	5.3	3.01	3171.04	579.53	289.76	0.15	24.0	4923.3	7972.8	3340.1
9	3.02	9.1	3.11	1827.24	520.4	260.2	0.15	24.0	5352.7	6074.2	3007.3
10	2.01	12.3	2.17	885.59	346.97	173.48	0.15	24.0	3496.4	4051.3	2018.7
11	1.01	14.3	1.04	198.01	184.71	92.36	0.15	24.0	1652.6	2352.9	1074.6
12	1.17	15.7	1.25	073.39	223.23	111.61	0.15	24.0	1809.2	3022.4	1309.7
13	0.84	17.0	0.93	729.23	164.09	82.04	0.15	24.0	1194.3	2352.7	974.6
14	2.01	18.9	2.17	867.13	346.15	173.08	0.15	24.0	2440.3	4972.7	2229.5
15	1.01	20.9	1.14	040.56	177.78	88.89	0.15	24.0	933.9	2869.7	1193.6

16	1.01	22.3	1.1	4425.59	194.73	97.36	0.15	24.0	725.1	3462.8	1308.8
17	1.01	23.7	1.1	4636.11	203.99	101.99	0.15	24.0	524.0	3879.5	1392.2
18	1.01	25.0	1.1	4214.34	185.43	92.72	0.15	24.0	281.8	3701.9	1367.1
19	1.01	26.4	1.1	3569.6	157.06	78.53	0.0	21.0	21.6	3673.3	581.7
20	3.63	29.8	4.2	6269.67	275.87	137.93	0.0	21.0	0.0	6623.3	1048.8

xc = 38.584 yc = 48.557 Rc = 44.256 Fs=2.047

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.19	-11.1	0.2	23.74	1.04	0.52	0.0	21.0	0.0	25.1	4.7
2	1.01	-10.3	1.0	1581.88	69.6	34.8	0.0	21.0	103.4	1555.4	291.7
3	1.01	-9.0	1.0	3268.3	143.81	71.9	0.0	21.0	454.9	2934.9	550.3
4	1.01	-7.6	1.0	3888.94	171.11	85.56	0.15	24.0	782.5	3331.3	1468.3
5	1.01	-6.3	1.0	4246.15	186.83	93.42	0.15	24.0	1074.4	3354.4	1471.3
6	1.01	-5.0	1.0	4456.46	196.08	98.04	0.15	24.0	1354.9	3240.4	1444.8
7	1.01	-3.7	1.0	4743.48	208.71	104.36	0.15	24.0	1612.0	3231.5	1441.6
8	3.02	-1.1	3.0	15473.25	680.82	340.41	0.15	24.0	6135.0	9422.1	4261.2
9	8.05	6.1	8.1	47149.29	2074.57	1037.28	0.15	24.0	22199.6	23902.6	11129.8
10	2.01	12.7	2.1	13972.47	614.79	307.39	0.15	24.0	5653.6	7804.9	3208.7
11	1.01	14.7	1.0	7435.98	327.18	163.59	0.15	24.0	2721.0	4422.4	1723.9
12	2.01	16.7	2.1	17154.79	754.81	377.41	0.15	24.0	5188.0	11294.6	3995.9
13	2.01	19.5	2.1	16435.98	723.18	361.59	0.15	24.0	4776.9	10970.0	3949.6
14	2.01	22.3	2.2	14405.88	633.86	316.93	0.15	24.0	4121.8	9605.1	3682.1
15	1.32	24.6	1.4	8028.16	353.24	176.62	0.15	24.0	2233.3	5354.6	2225.1
16	1.7	26.8	1.9	8300.37	365.22	182.61	0.15	24.0	2221.5	5500.4	2593.3
17	1.01	28.7	1.1	4021.49	176.95	88.47	0.15	24.0	895.8	2773.0	1444.0
18	1.01	30.2	1.2	3564.13	156.82	78.41	0.15	24.0	539.0	2666.1	1433.2
19	1.01	31.8	1.2	2936.68	129.21	64.61	0.15	24.0	158.5	2406.6	1390.5
20	4.5	36.1	5.6	8879.91	390.72	195.36	0.0	21.0	0.0	9671.6	1813.5

xc = 23.365 yc = 53.332 Rc = 48.389 Fs=1.483

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.36	8.5	0.4	126.68	5.57	2.79	0.0	21.0	0.0	123.3	31.9
2	0.48	9.0	0.5	572.03	25.17	12.58	0.0	21.0	0.0	556.3	144.0
3	0.23	9.4	0.2	386.5	17.01	8.5	0.0	21.0	0.0	375.6	97.2
4	0.36	9.8	0.4	608.29	26.76	13.38	0.0	21.0	0.0	590.9	152.9

5	0.42	10.3	0.4	736.65	32.41	16.21	0.0	21.0	0.0	715.1	185.1
6	0.29	10.7	0.3	507.68	22.34	11.17	0.0	21.0	0.0	492.6	127.5
7	0.36	11.1	0.4	611.9	26.92	13.46	0.0	21.0	0.0	593.4	153.6
8	0.36	11.5	0.4	608.44	26.77	13.39	0.0	21.0	0.0	589.8	152.6
9	0.35	11.9	0.4	553.23	24.34	12.17	0.0	21.0	0.0	536.1	138.7
10	0.36	12.4	0.4	509.01	22.4	11.2	0.0	21.0	0.0	493.1	127.6
11	0.3	12.8	0.3	388.47	17.09	8.55	0.0	21.0	0.0	376.3	97.4
12	0.41	13.2	0.4	465.13	20.47	10.23	0.0	21.0	0.0	450.4	116.6
13	0.36	13.7	0.4	352.35	15.5	7.75	0.0	21.0	0.0	341.1	88.3
14	0.24	14.0	0.3	211.78	9.32	4.66	0.0	21.0	0.0	205.0	53.1
15	0.47	14.5	0.5	355.01	15.62	7.81	0.0	21.0	0.0	343.7	88.9
16	0.36	15.0	0.4	228.26	10.04	5.02	0.0	21.0	0.0	221.0	57.2
17	0.18	15.3	0.2	103.15	4.54	2.27	0.0	21.0	0.0	99.9	25.8
18	0.53	15.7	0.5	227.86	10.03	5.01	0.0	21.0	0.0	220.6	57.1
19	0.36	16.3	0.4	90.62	3.99	1.99	0.0	21.0	0.0	87.8	22.7
20	0.36	16.7	0.4	35.29	1.55	0.78	0.0	21.0	0.0	34.2	8.8

xc = 26.747 yc = 53.332 Rc = 48.527 Fs=1.54

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.69	3.7	0.7	202.32	8.9	4.45	0.0	21.0	29.1	170.8	42.6
2	0.64	4.4	0.6	813.1	35.78	17.89	0.0	21.0	88.5	713.0	177.7
3	0.36	5.0	0.4	852.96	37.53	18.77	0.0	21.0	66.0	773.0	192.7
4	1.01	5.9	1.0	2864.01	126.02	63.01	0.0	21.0	236.4	2575.6	642.1
5	0.63	6.8	0.6	1870.73	82.31	41.16	0.0	21.0	180.7	1652.8	412.0
6	0.38	7.4	0.4	1124.74	49.49	24.74	0.0	21.0	115.9	985.3	245.6
7	1.01	8.2	1.0	2856.86	125.7	62.85	0.0	21.0	333.8	2460.5	613.4
8	0.62	9.2	0.6	1609.78	70.83	35.42	0.0	21.0	216.2	1356.9	338.3
9	0.39	9.8	0.4	963.66	42.4	21.2	0.0	21.0	140.4	800.9	199.7
10	1.01	10.7	1.0	2372.94	104.41	52.2	0.0	21.0	356.6	1959.8	488.6
11	0.61	11.6	0.6	1335.33	58.75	29.38	0.0	21.0	205.1	1097.6	273.6
12	0.4	12.2	0.4	830.99	36.56	18.28	0.0	21.0	126.6	683.8	170.5
13	0.93	13.0	1.0	1700.51	74.82	37.41	0.0	21.0	266.5	1391.6	346.9
14	0.67	14.0	0.7	990.95	43.6	21.8	0.0	21.0	149.7	816.3	203.5
15	0.41	14.7	0.4	524.41	23.07	11.54	0.0	21.0	75.1	436.0	108.7
16	1.01	15.5	1.0	946.67	41.65	20.83	0.0	21.0	122.3	800.2	199.5
17	0.58	16.5	0.6	360.06	15.84	7.92	0.0	21.0	14.4	335.8	83.7
18	0.42	17.1	0.4	210.28	9.25	4.63	0.0	21.0	0.0	204.3	50.9
19	0.91	18.0	1.0	269.79	11.87	5.94	0.0	21.0	0.0	262.4	65.4
20	0.67	18.9	0.7	44.69	1.97	0.98	0.0	21.0	0.0	43.5	10.8

xc = 35.202 yc = 51.74 Rc = 47.288 Fs=2.191

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.82	-6.6	0.8	399.59	17.58	8.79	0.0	21.0	138.7	268.1	47.0
2	1.01	-5.5	1.0	2219.37	97.65	48.83	0.0	21.0	448.0	1809.9	317.1
3	1.01	-4.3	1.0	3747.89	164.91	82.45	0.0	21.0	714.1	3082.3	540.0
4	1.01	-3.0	1.0	4223.41	185.83	92.92	0.15	24.0	958.5	3342.0	1369.0
5	1.01	-1.8	1.0	4426.39	194.76	97.38	0.15	24.0	1169.2	3301.8	1360.2
6	1.01	-0.6	1.0	4485.99	197.38	98.69	0.15	24.0	1370.4	3129.5	1324.9
7	1.01	0.6	1.0	4625.61	203.53	101.76	0.15	24.0	1550.0	3061.5	1311.0
8	3.02	3.1	3.0	14262.34	627.54	313.77	0.15	24.0	5497.7	8572.9	3811.7
9	5.03	8.0	5.1	23014.02	1012.62	506.31	0.15	24.0	10745.5	11571.4	5829.5
10	1.15	11.8	1.2	5912.48	260.15	130.07	0.15	24.0	2455.5	3226.9	1460.2
11	0.86	13.0	0.9	4622.92	203.41	101.7	0.15	24.0	1803.8	2629.9	1140.2
12	1.01	14.2	1.0	5596.24	246.23	123.12	0.15	24.0	2045.9	3312.3	1383.6
13	2.01	16.1	2.1	10447.65	459.7	229.85	0.15	24.0	3798.4	6146.6	2682.9
14	1.01	18.0	1.1	5492.12	241.65	120.83	0.15	24.0	1697.9	3521.7	1439.9
15	1.01	19.3	1.1	5990.21	263.57	131.78	0.15	24.0	1548.6	4154.9	1574.1
16	1.01	20.6	1.1	6318.66	278.02	139.01	0.15	24.0	1409.5	4615.3	1673.7
17	1.01	21.9	1.1	6020.14	264.89	132.44	0.15	24.0	1232.2	4494.6	1655.7
18	1.01	23.2	1.1	5502.89	242.13	121.06	0.15	24.0	1039.9	4171.1	1597.1
19	1.01	24.5	1.1	4877.05	214.59	107.3	0.15	24.0	819.9	3764.9	1522.3
20	6.14	29.5	7.1	12363.7	544.0	272.0	0.0	21.0	0.0	12922.9	2264.2

xc = 36.893 yc = 53.332 Rc = 48.942 Fs=2.373

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.59	-8.2	0.6	211.82	9.32	4.66	0.0	21.0	37.5	180.3	29.2
2	1.01	-7.3	1.0	2002.34	88.1	44.05	0.0	21.0	330.7	1720.8	278.4
3	1.01	-6.1	1.0	3591.12	158.01	79.0	0.0	21.0	629.4	3031.0	490.3
4	1.01	-4.9	1.0	4125.36	181.52	90.76	0.15	24.0	906.9	3339.1	1264.8
5	1.01	-3.7	1.0	4392.39	193.27	96.63	0.15	24.0	1151.3	3330.3	1262.2
6	1.01	-2.6	1.0	4517.25	198.76	99.38	0.15	24.0	1386.8	3188.6	1234.9
7	1.01	-1.4	1.0	4723.39	207.83	103.91	0.15	24.0	1601.5	3152.3	1227.6
8	3.02	1.0	3.0	14967.3	658.56	329.28	0.15	24.0	5868.7	9038.1	3604.0
9	7.05	6.9	7.1	37073.52	1631.24	815.62	0.15	24.0	17475.8	18770.7	8008.3
10	1.0	11.7	1.0	6518.98	286.83	143.42	0.15	24.0	2533.7	3788.9	1358.3
11	2.01	13.5	2.1	12606.02	554.66	277.33	0.15	24.0	4934.4	7249.4	2668.1
12	1.01	15.3	1.0	6715.15	295.47	147.73	0.15	24.0	2341.6	4141.4	1436.4

13	1.01	16.5	1.07	313.46	321.79	160.9	0.15	24.0	2245.14	821.6	1568.0
14	1.01	17.8	1.17	745.93	340.82	170.41	0.15	24.0	2160.75	330.5	1667.9
15	1.01	19.0	1.17	555.51	332.44	166.22	0.15	24.0	2040.35	261.5	1659.8
16	1.01	20.2	1.17	150.82	314.64	157.32	0.15	24.0	1907.34	993.3	1614.7
17	1.01	21.5	1.16	642.34	292.26	146.13	0.15	24.0	1749.04	646.6	1555.4
18	1.01	22.8	1.16	094.09	268.14	134.07	0.15	24.0	1552.94	297.1	1496.0
19	1.01	24.1	1.15	467.45	240.57	120.28	0.15	24.0	1342.23	881.6	1424.8
20	9.33	31.1	10.92	0489.49	901.54	450.77	0.15	24.0	0.0	17762.4	10222.3

xc = 25.056 yc = 54.923 Rc = 50.043 Fs=1.648

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	5.8	0.2	20.59	0.91	0.45	0.0	21.0	0.0	20.2	4.7
2	0.75	6.3	0.8	716.97	31.55	15.77	0.0	21.0	0.0	703.2	163.8
3	0.26	6.9	0.3	514.73	22.65	11.32	0.0	21.0	0.0	504.3	117.5
4	0.72	7.5	0.7	1682.27	74.02	37.01	0.0	21.0	0.0	1646.4	383.5
5	0.28	8.0	0.3	687.05	30.23	15.12	0.0	21.0	0.0	671.8	156.5
6	0.7	8.6	0.7	1691.75	74.44	37.22	0.0	21.0	0.0	1652.7	385.0
7	0.31	9.2	0.3	751.79	33.08	16.54	0.0	21.0	2.5	731.5	170.4
8	0.67	9.8	0.7	1533.43	67.47	33.74	0.0	21.0	6.5	1489.7	347.0
9	0.34	10.3	0.3	712.66	31.36	15.68	0.0	21.0	1.4	693.6	161.6
10	0.64	10.9	0.7	1252.71	55.12	27.56	0.0	21.0	0.0	1220.9	284.4
11	0.36	11.5	0.4	654.13	28.78	14.39	0.0	21.0	0.0	637.3	148.5
12	0.62	12.1	0.6	1032.39	45.42	22.71	0.0	21.0	0.0	1005.6	234.3
13	0.39	12.7	0.4	616.32	27.12	13.56	0.0	21.0	0.0	600.3	139.8
14	0.59	13.2	0.6	850.31	37.41	18.71	0.0	21.0	0.0	828.1	192.9
15	0.42	13.8	0.4	537.12	23.63	11.82	0.0	21.0	0.0	523.2	121.9
16	0.56	14.4	0.6	609.32	26.81	13.41	0.0	21.0	0.0	593.6	138.3
17	0.49	15.0	0.5	406.08	17.87	8.93	0.0	21.0	0.0	395.7	92.2
18	0.49	15.6	0.5	294.94	12.98	6.49	0.0	21.0	0.0	287.5	67.0
19	0.47	16.2	0.5	181.1	7.97	3.98	0.0	21.0	0.0	176.6	41.1
20	0.51	16.8	0.5	70.36	3.1	1.55	0.0	21.0	0.0	68.7	16.0

xc = 26.747 yc = 56.515 Rc = 51.697 Fs=1.531

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.67	3.4	0.7	193.0	8.49	4.25	0.0	21.0	23.0	167.8	42.1

2	1.01	4.4	1.01	660.55	73.06	36.53	0.0	21.0	146.0	1490.4	373.7
3	1.01	5.5	1.02	868.01	126.19	63.1	0.0	21.0	238.5	2579.4	646.7
4	1.01	6.6	1.03	013.77	132.61	66.3	0.0	21.0	311.1	2643.9	662.9
5	0.48	7.4	0.51	409.05	62.0	31.0	0.0	21.0	166.8	1213.1	304.1
6	0.53	8.0	0.51	479.46	65.1	32.55	0.0	21.0	192.2	1255.6	314.8
7	1.01	8.9	1.02	625.72	115.53	57.77	0.0	21.0	383.8	2183.7	547.5
8	1.01	10.0	1.02	444.96	107.58	53.79	0.0	21.0	395.5	1992.9	499.6
9	1.01	11.1	1.02	263.27	99.58	49.79	0.0	21.0	386.7	1822.6	457.0
10	0.62	12.1	0.61	250.39	55.02	27.51	0.0	21.0	217.2	1002.8	251.4
11	0.83	12.9	0.91	425.71	62.73	31.37	0.0	21.0	265.5	1125.6	282.2
12	0.55	13.7	0.6	808.38	35.57	17.78	0.0	21.0	151.8	636.9	159.7
13	1.01	14.6	1.01	130.98	49.76	24.88	0.0	21.0	221.9	881.8	221.1
14	1.01	15.7	1.0	791.79	34.84	17.42	0.0	21.0	115.9	655.8	164.4
15	1.01	16.9	1.1	542.03	23.85	11.92	0.0	21.0	0.0	526.4	132.0
16	1.01	18.0	1.1	315.82	13.9	6.95	0.0	21.0	0.0	307.1	77.0
17	0.42	18.9	0.4	88.0	3.87	1.94	0.0	21.0	0.0	85.7	21.5
18	0.58	19.5	0.6	88.17	3.88	1.94	0.0	21.0	0.0	85.9	21.5
19	1.01	20.4	1.1	154.09	6.78	3.39	0.0	21.0	0.0	150.4	37.7
20	0.91	21.6	1.0	86.82	3.82	1.91	0.0	21.0	0.0	84.9	21.3

xc = 31.82 yc = 54.923 Rc = 50.319 Fs=2.494

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.34	-3.2	0.3	6.93	0.31	0.15	0.0	21.0	0.0	7.0	1.1
2	1.01	-2.4	1.0	615.46	27.08	13.54	0.0	21.0	261.7	356.4	54.9
3	1.01	-1.3	1.02	315.32	101.87	50.94	0.0	21.0	499.9	1822.2	280.5
4	1.01	-0.1	1.0	3707.8	163.14	81.57	0.0	21.0	692.5	3016.5	464.3
5	1.01	1.0	1.04	045.35	178.0	89.0	0.15	24.0	864.8	3160.6	1169.6
6	1.01	2.1	1.04	114.04	181.02	90.51	0.15	24.0	1004.8	3068.1	1153.4
7	1.01	3.3	1.0	4041.8	177.84	88.92	0.15	24.0	1136.6	2845.8	1114.3
8	1.01	4.4	1.04	051.89	178.28	89.14	0.15	24.0	1248.0	2727.3	1094.0
9	3.02	6.8	3.01	1782.49	518.43	259.21	0.15	24.0	4192.5	7272.9	3126.8
10	4.02	10.8	4.11	3339.22	586.93	293.46	0.15	24.0	5896.7	6871.9	3691.6
11	2.01	14.3	2.16	695.54	294.6	147.3	0.15	24.0	2649.9	3688.2	1907.8
12	1.01	16.1	1.03	612.76	158.96	79.48	0.15	24.0	1175.7	2239.2	1029.8
13	1.15	17.4	1.24	256.43	187.28	93.64	0.15	24.0	1190.8	2827.2	1230.2
14	1.87	19.2	2.05	895.63	259.41	129.7	0.15	24.0	1490.2	4001.8	1904.1
15	1.01	20.9	1.13	266.36	143.72	71.86	0.15	24.0	526.4	2514.0	1096.9
16	2.01	22.8	2.28	121.88	357.36	178.68	0.15	24.0	433.9	7244.0	2606.4
17	1.01	24.7	1.13	468.77	152.63	76.31	0.0	21.0	0.0	3565.2	548.8
18	1.26	26.1	1.43	447.06	151.67	75.84	0.0	21.0	0.0	3569.4	549.4
19	0.75	27.4	0.81	529.18	67.28	33.64	0.0	21.0	0.0	1595.0	245.5
20	2.11	29.2	2.41	816.04	79.91	39.95	0.0	21.0	0.0	1916.2	295.0

xc = 33.511 yc = 56.515 Rc = 51.973 Fs=2.314

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.0	-4.2	1.0	553.28	24.34	12.17	0.0	21.0	239.3	318.7	52.9
2	1.01	-3.1	1.02	312.37	101.74	50.87	0.0	21.0	498.3	1833.3	304.1
3	1.01	-2.0	1.03	765.13	165.67	82.83	0.0	21.0	723.4	3061.3	507.7
4	1.01	-0.9	1.04	167.29	183.36	91.68	0.15	24.0	928.9	3258.7	1279.0
5	1.01	0.2	1.04	300.27	189.21	94.61	0.15	24.0	1102.9	3192.7	1266.3
6	1.01	1.3	1.04	293.64	188.92	94.46	0.15	24.0	1269.2	2996.9	1228.8
7	1.01	2.4	1.0	4370.7	192.31	96.16	0.15	24.0	1415.8	2906.0	1211.7
8	3.02	4.7	3.01	3154.37	578.79	289.4	0.15	24.0	4914.5	7982.0	3498.3
9	4.02	8.6	4.11	6203.95	712.97	356.49	0.15	24.0	7404.5	8261.6	4227.2
10	2.01	12.0	2.1	8611.8	378.92	189.46	0.15	24.0	3658.4	4593.9	2216.8
11	1.06	13.7	1.14	955.29	218.03	109.02	0.15	24.0	1835.1	2903.2	1265.7
12	0.95	14.8	1.04	628.85	203.67	101.83	0.15	24.0	1574.5	2845.6	1185.7
13	2.01	16.5	2.18	965.88	394.5	197.25	0.15	24.0	3018.6	5486.7	2415.9
14	1.01	18.3	1.14	730.96	208.16	104.08	0.15	24.0	1297.3	3186.9	1299.8
15	1.01	19.4	1.1	5220.6	229.71	114.85	0.15	24.0	1143.5	3820.1	1426.4
16	1.01	20.6	1.15	544.85	243.97	121.99	0.15	24.0	1002.3	4281.4	1520.4
17	1.01	21.8	1.15	246.58	230.85	115.42	0.15	24.0	825.1	4161.0	1502.9
18	1.01	23.0	1.14	734.29	208.31	104.15	0.15	24.0	635.4	3838.7	1447.0
19	1.01	24.2	1.14	118.33	181.21	90.6	0.15	24.0	420.6	3435.7	1376.0
20	5.03	28.0	5.79	541.21	419.81	209.91	0.0	21.0	0.0	9929.1	1646.8

xc = 36.893 yc = 56.515 Rc = 52.112 Fs=2.035

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.62	-7.7	0.6	231.41	10.18	5.09	0.0	21.0	49.0	189.0	35.6
2	1.01	-6.8	1.02	022.37	88.98	44.49	0.0	21.0	341.5	1732.1	326.8
3	1.01	-5.7	1.03	597.62	158.3	79.15	0.0	21.0	632.9	3037.0	572.9
4	1.01	-4.6	1.04	120.66	181.31	90.65	0.15	24.0	904.4	3345.9	1476.3
5	1.01	-3.5	1.04	378.79	192.67	96.33	0.15	24.0	1144.2	3330.8	1472.0
6	1.01	-2.4	1.04	497.21	197.88	98.94	0.15	24.0	1376.3	3183.9	1439.1
7	1.01	-1.3	1.04	699.34	206.77	103.39	0.15	24.0	1588.8	3143.5	1429.8
8	3.02	0.9	3.01	4892.74	655.28	327.64	0.15	24.0	5829.5	8996.9	4194.1
9	8.05	7.0	8.14	3395.05	1909.38	954.69	0.15	24.0	20223.7	22013.3	10795.8

10	2.01	12.6	2.1	12876.01	566.54	283.27	0.15	24.0	5076.5	7294.3	3116.4
11	2.01	14.9	2.1	13974.76	614.89	307.44	0.15	24.0	4779.0	8605.7	3418.3
12	2.01	17.2	2.1	15860.93	697.88	348.94	0.15	24.0	4500.4	10687.4	3891.7
13	2.01	19.6	2.1	14427.62	634.82	317.41	0.15	24.0	4041.9	9707.7	3698.5
14	1.04	21.3	1.1	6758.54	297.38	148.69	0.15	24.0	1857.4	4551.1	1819.4
15	0.97	22.5	1.1	5766.34	253.72	126.86	0.15	24.0	1549.4	3890.4	1626.9
16	2.01	24.3	2.2	9779.2	430.28	215.14	0.15	24.0	2578.8	6520.9	3054.9
17	1.01	26.2	1.1	4047.18	178.08	89.04	0.15	24.0	909.3	2790.2	1436.9
18	1.01	27.4	1.1	3707.08	163.11	81.56	0.15	24.0	614.2	2739.8	1435.0
19	1.01	28.7	1.1	3211.63	141.31	70.66	0.15	24.0	303.3	2547.8	1402.7
20	5.49	32.9	6.5	12429.91	546.92	273.46	0.0	21.0	0.0	13192.0	2488.7

xc = 21.674 yc = 58.107 Rc = 53.075 Fs=1.461

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.25	9.9	0.3	62.2	2.74	1.37	0.0	21.0	0.0	60.4	15.9
2	0.31	10.2	0.3	241.8	10.64	5.32	0.0	21.0	0.0	234.6	61.7
3	0.2	10.4	0.2	217.46	9.57	4.78	0.0	21.0	0.0	210.9	55.4
4	0.25	10.7	0.3	280.72	12.35	6.18	0.0	21.0	0.0	272.2	71.5
5	0.25	11.0	0.3	285.1	12.54	6.27	0.0	21.0	0.0	276.3	72.6
6	0.3	11.3	0.3	349.8	15.39	7.7	0.0	21.0	0.0	338.9	89.1
7	0.2	11.5	0.2	227.93	10.03	5.01	0.0	21.0	0.0	220.8	58.0
8	0.25	11.8	0.3	281.18	12.37	6.19	0.0	21.0	0.0	272.3	71.6
9	0.25	12.1	0.3	272.71	12.0	6.0	0.0	21.0	0.0	264.0	69.4
10	0.3	12.4	0.3	316.69	13.93	6.97	0.0	21.0	0.0	306.5	80.6
11	0.2	12.7	0.2	195.07	8.58	4.29	0.0	21.0	0.0	188.8	49.6
12	0.25	12.9	0.3	219.59	9.66	4.83	0.0	21.0	0.0	212.5	55.8
13	0.25	13.2	0.3	190.09	8.36	4.18	0.0	21.0	0.0	183.9	48.3
14	0.3	13.5	0.3	188.58	8.3	4.15	0.0	21.0	0.0	182.4	47.9
15	0.2	13.8	0.2	102.52	4.51	2.26	0.0	21.0	0.0	99.2	26.1
16	0.25	14.0	0.3	105.5	4.64	2.32	0.0	21.0	0.0	102.0	26.8
17	0.25	14.3	0.3	79.39	3.49	1.75	0.0	21.0	0.0	76.8	20.2
18	0.3	14.6	0.3	59.91	2.64	1.32	0.0	21.0	0.0	57.9	15.2
19	0.2	14.9	0.2	21.12	0.93	0.46	0.0	21.0	0.0	20.4	5.4
20	0.25	15.1	0.3	9.54	0.42	0.21	0.0	21.0	0.0	9.2	2.4

xc = 23.365 yc = 59.698 Rc = 54.729 Fs=1.60

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.4	7.5	0.4	161.66	7.11	3.56	0.0	21.0	0.0	158.1	37.9
2	0.47	8.0	0.5	599.7	26.39	13.19	0.0	21.0	0.0	585.9	140.6
3	0.33	8.4	0.3	585.88	25.78	12.89	0.0	21.0	0.0	572.0	137.2
4	0.4	8.8	0.4	729.46	32.1	16.05	0.0	21.0	0.0	711.7	170.7
5	0.28	9.1	0.3	524.0	23.06	11.53	0.0	21.0	0.0	511.0	122.6
6	0.52	9.6	0.5	972.5	42.79	21.4	0.0	21.0	0.0	947.9	227.4
7	0.49	10.1	0.5	905.08	39.82	19.91	0.0	21.0	0.0	881.7	211.5
8	0.31	10.5	0.3	543.86	23.93	11.96	0.0	21.0	0.0	529.6	127.0
9	0.4	10.9	0.4	651.52	28.67	14.33	0.0	21.0	0.0	634.2	152.1
10	0.3	11.3	0.3	451.37	19.86	9.93	0.0	21.0	0.0	439.2	105.4
11	0.49	11.7	0.5	670.58	29.51	14.75	0.0	21.0	0.0	652.4	156.5
12	0.51	12.2	0.5	606.99	26.71	13.35	0.0	21.0	0.0	590.4	141.6
13	0.28	12.7	0.3	303.41	13.35	6.68	0.0	21.0	0.0	295.1	70.8
14	0.4	13.0	0.4	394.79	17.37	8.69	0.0	21.0	0.0	383.9	92.1
15	0.32	13.4	0.3	293.99	12.94	6.47	0.0	21.0	0.0	285.9	68.6
16	0.47	13.8	0.5	374.36	16.47	8.24	0.0	21.0	0.0	364.0	87.3
17	0.53	14.4	0.6	332.86	14.65	7.32	0.0	21.0	0.0	323.7	77.7
18	0.26	14.8	0.3	122.14	5.37	2.69	0.0	21.0	0.0	118.8	28.5
19	0.4	15.2	0.4	120.37	5.3	2.65	0.0	21.0	0.0	117.1	28.1
20	0.4	15.6	0.4	39.71	1.75	0.87	0.0	21.0	0.0	38.6	9.3

xc = 35.202 yc = 58.107 Rc = 53.628 Fs=2.099

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.85	-5.8	0.9	415.76	18.29	9.15	0.0	21.0	150.7	271.5	49.6
2	1.01	-4.8	1.02	217.07	97.55	48.78	0.0	21.0	446.8	1804.5	330.0
3	1.01	-3.8	1.03	726.62	163.97	81.99	0.0	21.0	702.6	3067.2	560.9
4	1.01	-2.7	1.04	187.05	184.23	92.12	0.15	24.0	939.4	3317.7	1423.4
5	1.01	-1.6	1.04	380.38	192.74	96.37	0.15	24.0	1145.0	3276.1	1414.0
6	1.01	-0.5	1.04	435.22	195.15	97.57	0.15	24.0	1343.7	3104.2	1377.4
7	1.01	0.6	1.04	574.91	201.3	100.65	0.15	24.0	1523.3	3038.6	1363.4
8	3.02	2.7	3.01	4154.29	622.79	311.39	0.15	24.0	5440.8	8535.6	3969.6
9	7.04	8.1	7.13	3419.59	1470.46	735.23	0.15	24.0	15556.2	16810.0	8648.9
10	1.52	12.8	1.69	029.05	397.28	198.64	0.15	24.0	3285.0	5378.7	2255.3
11	1.5	14.4	1.58	462.36	372.34	186.17	0.15	24.0	3079.6	5001.1	2165.3
12	1.01	15.8	1.05	985.24	263.35	131.68	0.15	24.0	1957.4	3749.5	1542.4
13	1.01	16.9	1.16	567.09	288.95	144.48	0.15	24.0	1852.2	4414.7	1687.8
14	1.01	18.1	1.16	986.78	307.42	153.71	0.15	24.0	1761.2	4910.3	1797.6
15	1.01	19.2	1.16	787.37	298.64	149.32	0.15	24.0	1636.0	4832.8	1786.2
16	1.01	20.3	1.16	377.63	280.62	140.31	0.15	24.0	1500.3	4559.0	1733.6
17	1.01	21.5	1.15	868.24	258.2	129.1	0.15	24.0	1341.6	4209.2	1665.3

18	1.01	22.6	1.1	5323.38	234.23	117.11	0.15	24.0	1147.3	3858.6	1597.3
19	1.01	23.8	1.1	4704.7	207.01	103.5	0.15	24.0	940.8	3444.9	1516.5
20	8.92	29.9	10.3	15394.19	677.34	338.67	0.0	21.0	0.0	16068.6	2938.2

xc = 36.893 yc = 59.698 Rc = 55.282 Fs=2.086

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.64	-7.3	0.6	247.86	10.91	5.45	0.0	21.0	59.0	195.0	35.9
2	1.01	-6.4	1.0	2037.21	89.64	44.82	0.0	21.0	349.6	1734.4	319.1
3	1.01	-5.4	1.0	3600.5	158.42	79.21	0.0	21.0	634.5	3031.9	557.8
4	1.01	-4.3	1.0	4113.57	181.0	90.5	0.15	24.0	900.7	3331.4	1436.4
5	1.01	-3.3	1.0	4363.84	192.01	96.0	0.15	24.0	1136.3	3315.6	1432.1
6	1.01	-2.3	1.0	4476.55	196.97	98.48	0.15	24.0	1365.4	3168.8	1400.2
7	1.01	-1.2	1.0	4675.12	205.71	102.85	0.15	24.0	1576.1	3129.3	1391.3
8	3.02	0.9	3.0	14817.96	651.99	326.0	0.15	24.0	5790.1	8966.9	4083.9
9	8.12	6.7	8.2	44019.11	1936.84	968.42	0.15	24.0	20541.8	22390.3	10656.8
10	1.94	11.9	2.0	12666.77	557.34	278.67	0.15	24.0	4997.8	7211.5	2964.8
11	1.01	13.5	1.0	7055.58	310.45	155.22	0.15	24.0	2520.7	4266.4	1654.4
12	1.01	14.6	1.0	7720.99	339.72	169.86	0.15	24.0	2459.5	4966.4	1807.3
13	1.01	15.7	1.0	8226.82	361.98	180.99	0.15	24.0	2413.8	5497.5	1924.5
14	1.01	16.8	1.1	8116.31	357.12	178.56	0.15	24.0	2335.5	5459.0	1920.4
15	1.01	17.8	1.1	7798.46	343.13	171.57	0.15	24.0	2248.1	5227.1	1875.4
16	1.01	18.9	1.1	7384.11	324.9	162.45	0.15	24.0	2139.4	4922.0	1815.2
17	1.01	20.0	1.1	6937.73	305.26	152.63	0.15	24.0	1996.9	4618.8	1755.7
18	3.02	22.3	3.3	17421.89	766.56	383.28	0.15	24.0	5006.3	11454.7	4789.9
19	7.8	28.6	8.9	32609.26	1434.81	717.4	0.15	24.0	2214.8	27891.8	12337.1
20	1.98	34.4	2.4	1858.61	81.78	40.89	0.0	21.0	0.0	2001.2	368.2

xc = 25.056 yc = 61.29 Rc = 56.383 Fs=1.73

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	5.1	0.2	21.26	0.94	0.47	0.0	21.0	0.0	20.9	4.6
2	1.01	5.7	1.0	1249.54	54.98	27.49	0.0	21.0	0.0	1228.4	272.6
3	0.43	6.5	0.4	1007.19	44.32	22.16	0.0	21.0	0.0	988.8	219.5
4	0.58	7.0	0.6	1405.34	61.83	30.92	0.0	21.0	1.6	1376.8	305.6
5	0.54	7.6	0.5	1342.59	59.07	29.54	0.0	21.0	14.6	1301.3	288.8
6	0.47	8.1	0.5	1175.1	51.7	25.85	0.0	21.0	25.1	1126.0	249.9

7	0.64	8.6	0.7	1543.3	67.91	33.95	0.0	21.0	43.2	1467.8	325.8
8	0.36	9.2	0.4	812.61	35.76	17.88	0.0	21.0	26.1	769.1	170.7
9	1.01	9.9	1.0	2058.03	90.55	45.28	0.0	21.0	76.9	1936.1	429.7
10	0.3	10.5	0.3	563.76	24.81	12.4	0.0	21.0	23.4	527.9	117.2
11	0.71	11.1	0.7	1280.5	56.34	28.17	0.0	21.0	46.5	1205.1	267.5
12	0.4	11.6	0.4	689.14	30.32	15.16	0.0	21.0	20.1	653.3	145.0
13	0.6	12.2	0.6	944.05	41.54	20.77	0.0	21.0	23.4	898.8	199.5
14	0.51	12.7	0.5	706.31	31.08	15.54	0.0	21.0	5.9	683.8	151.8
15	0.56	13.3	0.6	641.68	28.23	14.12	0.0	21.0	0.0	626.5	139.0
16	0.56	13.9	0.6	517.33	22.76	11.38	0.0	21.0	0.0	505.2	112.1
17	0.39	14.4	0.4	289.82	12.75	6.38	0.0	21.0	0.0	283.1	62.8
18	0.72	15.0	0.7	359.38	15.81	7.91	0.0	21.0	0.0	351.2	77.9
19	0.28	15.5	0.3	71.57	3.15	1.57	0.0	21.0	0.0	70.0	15.5
20	0.83	16.1	0.9	78.41	3.45	1.73	0.0	21.0	0.0	76.7	17.0

xc = 26.747 yc = 62.882 Rc = 58.037 Fs=1.381

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.63	3.1	0.6	172.85	7.61	3.8	0.0	21.0	18.0	152.8	42.5
2	1.01	3.9	1.0	1641.23	72.21	36.11	0.0	21.0	135.5	1481.2	411.8
3	1.01	4.9	1.0	2866.46	126.12	63.06	0.0	21.0	237.7	2577.1	716.5
4	1.01	5.9	1.0	3034.12	133.5	66.75	0.0	21.0	322.1	2650.4	736.9
5	1.01	6.9	1.0	2936.13	129.19	64.59	0.0	21.0	376.7	2494.3	693.5
6	1.01	7.9	1.0	2702.56	118.91	59.46	0.0	21.0	425.3	2213.7	615.5
7	1.01	8.9	1.0	2556.57	112.49	56.24	0.0	21.0	455.9	2037.6	566.5
8	1.01	9.9	1.0	2414.13	106.22	53.11	0.0	21.0	468.2	1883.9	523.8
9	2.01	11.4	2.1	3901.1	171.65	85.82	0.0	21.0	892.7	2906.0	808.0
10	1.01	12.9	1.0	1428.0	62.83	31.42	0.0	21.0	382.5	1008.4	280.4
11	1.01	14.0	1.0	1147.54	50.49	25.25	0.0	21.0	308.2	808.9	224.9
12	1.01	15.0	1.0	961.85	42.32	21.16	0.0	21.0	226.8	708.2	196.9
13	1.01	16.0	1.0	805.3	35.43	17.72	0.0	21.0	125.9	654.6	182.0
14	1.01	17.1	1.1	742.46	32.67	16.33	0.0	21.0	0.0	715.6	199.0
15	1.01	18.1	1.1	800.69	35.23	17.62	0.0	21.0	0.0	772.2	214.7
16	1.01	19.1	1.1	821.1	36.13	18.06	0.0	21.0	0.0	792.7	220.4
17	1.01	20.2	1.1	812.29	35.74	17.87	0.0	21.0	0.0	785.2	218.3
18	2.01	21.8	2.2	249.71	10.99	5.49	0.0	21.0	0.0	242.0	67.3
19	1.01	23.4	1.1	90.68	3.99	2.0	0.0	21.0	0.0	88.2	24.5
20	2.62	25.4	2.9	1628.4	71.65	35.82	0.0	21.0	0.0	1592.3	442.7

xc = 33.511 yc = 62.882 Rc = 58.313 Fs=2.317

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.99	-3.8	1.0	532.01	23.41	11.7	0.0	21.0	225.4	310.6	51.5
2	1.01	-2.8	1.0	2277.91	100.23	50.11	0.0	21.0	479.7	1814.9	300.6
3	1.01	-1.8	1.0	3721.56	163.75	81.87	0.0	21.0	699.9	3038.8	503.4
4	1.01	-0.8	1.0	4117.25	181.16	90.58	0.15	24.0	902.6	3232.6	1272.4
5	1.01	0.2	1.0	4249.0	186.96	93.48	0.15	24.0	1075.9	3168.9	1260.1
6	1.01	1.2	1.0	4245.18	186.79	93.39	0.15	24.0	1243.7	2976.9	1223.3
7	1.01	2.2	1.0	4329.1	190.48	95.24	0.15	24.0	1393.9	2891.5	1207.3
8	3.02	4.2	3.0	13107.66	576.74	288.37	0.15	24.0	4890.0	7985.7	3493.2
9	7.04	9.1	7.1	29509.54	1298.42	649.21	0.15	24.0	13498.3	15009.7	7501.3
10	1.01	13.2	1.0	5201.67	228.87	114.44	0.15	24.0	1838.2	3156.0	1275.2
11	2.01	14.7	2.1	9788.02	430.67	215.34	0.15	24.0	3451.3	5900.7	2480.2
12	2.01	16.7	2.1	10608.81	466.79	233.39	0.15	24.0	3007.5	7117.3	2727.6
13	2.01	18.8	2.1	12244.0	538.74	269.37	0.15	24.0	2596.8	9125.6	3129.4
14	1.11	20.4	1.2	6124.61	269.48	134.74	0.15	24.0	1194.0	4644.7	1656.1
15	0.91	21.5	1.0	4572.71	201.2	100.6	0.15	24.0	835.0	3503.6	1304.0
16	1.01	22.5	1.1	4552.11	200.29	100.15	0.15	24.0	741.3	3550.2	1387.1
17	3.02	24.7	3.3	9692.16	426.46	213.23	0.15	24.0	938.0	7944.6	3676.7
18	3.02	28.0	3.4	4629.55	203.7	101.85	0.0	21.0	0.0	4818.8	798.2
19	1.06	30.3	1.2	1016.74	44.74	22.37	0.0	21.0	0.0	1073.6	177.8
20	1.8	31.9	2.1	1320.06	58.08	29.04	0.0	21.0	0.0	1409.9	233.5

xc = 36.893 yc = 62.882 Rc = 58.451 Fs=2.021

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.66	-6.9	0.7	261.33	11.5	5.75	0.0	21.0	59.5	208.1	39.5
2	1.01	-6.1	1.0	2047.67	90.1	45.05	0.0	21.0	355.2	1737.3	330.0
3	1.01	-5.1	1.0	3600.33	158.41	79.21	0.0	21.0	634.4	3029.1	575.4
4	1.01	-4.1	1.0	4104.43	180.59	90.3	0.15	24.0	895.9	3323.3	1481.0
5	1.01	-3.1	1.0	4347.69	191.3	95.65	0.15	24.0	1127.8	3305.3	1476.2
6	1.01	-2.1	1.0	4455.33	196.03	98.02	0.15	24.0	1354.3	3157.1	1443.0
7	1.01	-1.2	1.0	4650.74	204.63	102.32	0.15	24.0	1563.2	3116.9	1433.8
8	3.02	0.8	3.0	14742.9	648.69	324.34	0.15	24.0	5750.6	8932.8	4208.9
9	8.75	6.6	8.8	48467.73	2132.58	1066.29	0.15	24.0	22304.6	24941.1	12036.0
10	1.31	11.6	1.3	8847.39	389.29	194.64	0.15	24.0	3434.4	5091.9	2113.6
11	1.01	12.8	1.0	7192.58	316.47	158.24	0.15	24.0	2592.8	4326.9	1719.1
12	1.01	13.8	1.0	7885.59	346.97	173.48	0.15	24.0	2546.2	5036.9	1878.7
13	1.01	14.8	1.0	8421.5	370.55	185.27	0.15	24.0	2516.3	5579.0	2001.7
14	1.01	15.8	1.0	8343.65	367.12	183.56	0.15	24.0	2455.1	5553.7	1999.9

15	1.01	16.8	1.1	8061.16	354.69	177.35	0.15	24.0	2386.4	5336.9	1956.2
16	1.01	17.9	1.1	7685.0	338.14	169.07	0.15	24.0	2297.8	5048.6	1897.1
17	1.01	18.9	1.1	7279.76	320.31	160.15	0.15	24.0	2177.0	4763.9	1839.1
18	3.02	21.0	3.2	18723.49	823.83	411.92	0.15	24.0	5691.4	12021.0	5048.9
19	9.15	27.7	10.3	44239.98	1946.56	973.28	0.15	24.0	4336.0	36784.5	15778.1
20	2.05	34.0	2.5	1892.32	83.26	41.63	0.0	21.0	0.0	2022.8	384.3

xc = 21.674 yc = 64.473 Rc = 59.415 Fs=1.57

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	8.8	0.3	95.71	4.21	2.11	0.0	21.0	0.0	93.3	22.8
2	0.3	9.1	0.3	273.57	12.04	6.02	0.0	21.0	0.0	266.6	65.2
3	0.32	9.4	0.3	393.83	17.33	8.66	0.0	21.0	0.0	383.7	93.8
4	0.31	9.7	0.3	391.85	17.24	8.62	0.0	21.0	0.0	381.6	93.3
5	0.38	10.0	0.4	490.17	21.57	10.78	0.0	21.0	0.0	477.1	116.7
6	0.24	10.3	0.2	317.09	13.95	6.98	0.0	21.0	0.0	308.6	75.5
7	0.31	10.6	0.3	397.99	17.51	8.76	0.0	21.0	0.0	387.2	94.7
8	0.45	11.0	0.5	568.06	24.99	12.5	0.0	21.0	0.0	552.4	135.1
9	0.16	11.3	0.2	196.13	8.63	4.31	0.0	21.0	0.0	190.7	46.6
10	0.31	11.5	0.3	339.11	14.92	7.46	0.0	21.0	0.0	329.7	80.6
11	0.31	11.8	0.3	299.04	13.16	6.58	0.0	21.0	0.0	290.6	71.1
12	0.22	12.1	0.2	189.93	8.36	4.18	0.0	21.0	0.0	184.6	45.1
13	0.4	12.4	0.4	291.23	12.81	6.41	0.0	21.0	0.0	283.0	69.2
14	0.31	12.7	0.3	188.58	8.3	4.15	0.0	21.0	0.0	183.2	44.8
15	0.3	13.0	0.3	149.45	6.58	3.29	0.0	21.0	0.0	145.2	35.5
16	0.32	13.3	0.3	128.49	5.65	2.83	0.0	21.0	0.0	124.8	30.5
17	0.31	13.6	0.3	101.44	4.46	2.23	0.0	21.0	0.0	98.5	24.1
18	0.38	14.0	0.4	91.15	4.01	2.01	0.0	21.0	0.0	88.5	21.7
19	0.24	14.3	0.2	36.19	1.59	0.8	0.0	21.0	0.0	35.2	8.6
20	0.31	14.6	0.3	16.99	0.75	0.37	0.0	21.0	0.0	16.5	4.0

xc = 23.365 yc = 66.065 Rc = 61.069 Fs=1.709

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.44	6.7	0.4	203.04	8.93	4.47	0.0	21.0	0.0	199.2	44.7
2	0.44	7.2	0.4	599.75	26.39	13.19	0.0	21.0	0.0	587.9	132.0
3	0.45	7.6	0.5	829.83	36.51	18.26	0.0	21.0	0.0	812.9	182.6

4	0.56	8.1	0.6	1084.28	47.71	23.85	0.0	21.0	0.0	1061.4	238.4
5	0.33	8.5	0.3	649.32	28.57	14.28	0.0	21.0	0.0	635.2	142.7
6	0.44	8.8	0.4	874.2	38.46	19.23	0.0	21.0	0.0	854.8	192.0
7	0.24	9.2	0.2	461.0	20.28	10.14	0.0	21.0	0.0	450.6	101.2
8	0.65	9.6	0.7	1200.48	52.82	26.41	0.0	21.0	0.0	1173.0	263.4
9	0.35	10.1	0.4	590.2	25.97	12.98	0.0	21.0	0.0	576.4	129.5
10	0.53	10.5	0.5	809.83	35.63	17.82	0.0	21.0	0.0	790.7	177.6
11	0.47	11.0	0.5	652.07	28.69	14.35	0.0	21.0	0.0	636.5	142.9
12	0.41	11.4	0.4	522.25	22.98	11.49	0.0	21.0	0.0	509.7	114.5
13	0.59	11.9	0.6	699.43	30.78	15.39	0.0	21.0	0.0	682.5	153.3
14	0.29	12.3	0.3	316.14	13.91	6.96	0.0	21.0	0.0	308.5	69.3
15	0.44	12.6	0.5	433.35	19.07	9.53	0.0	21.0	0.0	422.8	95.0
16	0.27	13.0	0.3	236.12	10.39	5.19	0.0	21.0	0.0	230.4	51.7
17	0.62	13.4	0.6	430.26	18.93	9.47	0.0	21.0	0.0	419.8	94.3
18	0.44	13.9	0.5	203.83	8.97	4.48	0.0	21.0	0.0	198.9	44.7
19	0.44	14.4	0.5	121.19	5.33	2.67	0.0	21.0	0.0	118.3	26.6
20	0.44	14.8	0.5	41.12	1.81	0.9	0.0	21.0	0.0	40.2	9.0

xc = 28.438 yc = 64.473 Rc = 59.691 Fs=2.379

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.87	1.3	0.9	351.44	15.46	7.73	0.0	21.0	119.2	231.5	37.3
2	1.01	2.2	1.0	1927.78	84.82	42.41	0.0	21.0	290.4	1628.6	262.7
3	1.01	3.1	1.0	3210.37	141.26	70.63	0.0	21.0	423.6	2766.6	446.3
4	1.01	4.1	1.0	3436.52	151.21	75.6	0.0	21.0	539.6	2871.2	463.2
5	1.01	5.1	1.0	3398.17	149.52	74.76	0.0	21.0	626.4	2743.4	442.6
6	1.01	6.0	1.0	3227.4	142.01	71.0	0.15	24.0	708.0	2418.2	1090.4
7	1.01	7.0	1.0	3147.75	138.5	69.25	0.15	24.0	772.2	2262.9	1062.5
8	1.01	8.0	1.0	3072.17	135.18	67.59	0.15	24.0	818.9	2129.6	1039.0
9	2.01	9.4	2.0	5420.0	238.48	119.24	0.15	24.0	1700.1	3449.6	1931.6
10	1.01	10.9	1.0	2290.96	100.8	50.4	0.15	24.0	841.2	1304.8	890.2
11	1.01	11.9	1.0	2081.41	91.58	45.79	0.15	24.0	804.8	1123.7	858.5
12	1.01	12.9	1.0	1967.55	86.57	43.29	0.15	24.0	762.1	1043.0	845.9
13	1.01	13.9	1.0	1883.84	82.89	41.44	0.15	24.0	701.1	1010.1	842.4
14	1.01	14.9	1.0	1894.98	83.38	41.69	0.15	24.0	609.3	1101.1	862.4
15	1.01	15.9	1.0	2028.42	89.25	44.63	0.15	24.0	510.7	1320.0	906.5
16	1.01	16.9	1.1	2125.42	93.52	46.76	0.15	24.0	392.9	1522.8	947.9
17	3.02	18.9	3.2	5881.86	258.8	129.4	0.0	21.0	259.6	5632.1	908.6
18	4.02	22.6	4.4	10204.91	449.02	224.51	0.0	21.0	0.0	10356.0	1670.8
19	1.18	25.3	1.3	1564.17	68.82	34.41	0.0	21.0	0.0	1607.3	259.3
20	1.33	26.6	1.5	680.88	29.96	14.98	0.0	21.0	0.0	704.6	113.7

xc = 30.129 yc = 66.065 Rc = 61.345 Fs=2.491

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.99	-0.4	1.0	480.92	21.16	10.58	0.0	21.0	198.3	283.0	43.6
2	1.01	0.5	1.02	118.15	93.2	46.6	0.0	21.0	393.3	1722.5	265.5
3	1.01	1.5	1.03	454.79	152.01	76.01	0.0	21.0	555.7	2888.7	445.2
4	1.01	2.4	1.03	735.95	164.38	82.19	0.0	21.0	701.4	3017.7	465.1
5	1.01	3.3	1.0	3760.1	165.44	82.72	0.15	24.0	818.6	2881.0	1122.0
6	1.01	4.3	1.03	651.09	160.65	80.32	0.15	24.0	931.0	2646.7	1080.8
7	1.01	5.2	1.03	631.22	159.77	79.89	0.15	24.0	1026.6	2518.6	1058.7
8	3.02	7.1	3.01	0402.81	457.72	228.86	0.15	24.0	3466.4	6613.8	3014.3
9	3.1	10.0	3.18	880.24	390.73	195.37	0.15	24.0	3794.0	4682.5	2732.4
10	0.93	11.9	0.92	599.12	114.36	57.18	0.15	24.0	1091.9	1368.5	814.2
11	1.01	12.8	1.02	906.53	127.89	63.94	0.15	24.0	1141.7	1603.0	908.1
12	1.01	13.8	1.03	113.44	136.99	68.5	0.15	24.0	1081.8	1857.1	956.0
13	1.01	14.8	1.0	3285.9	144.58	72.29	0.15	24.0	1003.7	2096.1	1001.4
14	1.01	15.8	1.03	432.74	151.04	75.52	0.15	24.0	907.2	2329.0	1045.9
15	2.01	17.2	2.15	972.38	262.78	131.39	0.15	24.0	1443.0	4120.2	2005.4
16	1.01	18.7	1.1	3202.7	140.92	70.46	0.15	24.0	492.9	2493.4	1085.5
17	1.01	19.7	1.13	679.25	161.89	80.94	0.15	24.0	332.3	3124.6	1202.2
18	1.01	20.7	1.1	3997.0	175.87	87.93	0.15	24.0	187.6	3585.3	1288.7
19	1.01	21.7	1.13	701.02	162.84	81.42	0.0	21.0	10.6	3742.5	576.8
20	5.08	24.8	5.69	977.53	439.01	219.51	0.0	21.0	0.01	0262.3	1581.6

xc = 33.511 yc = 66.065 Rc = 61.483 Fs=2.173

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	-3.6	1.0	519.27	22.85	11.42	0.0	21.0	216.9	306.4	54.1
2	1.01	-2.6	1.02	259.47	99.42	49.71	0.0	21.0	469.7	1806.3	319.1
3	1.01	-1.7	1.03	699.27	162.77	81.38	0.0	21.0	687.8	3028.6	535.0
4	1.01	-0.8	1.04	092.12	180.05	90.03	0.15	24.0	889.4	3220.9	1354.5
5	1.01	0.2	1.04	223.34	185.83	92.91	0.15	24.0	1062.4	3156.7	1341.3
6	1.01	1.1	1.04	220.72	185.71	92.86	0.15	24.0	1230.8	2965.0	1302.2
7	1.01	2.1	1.04	307.55	189.53	94.77	0.15	24.0	1382.6	2880.6	1285.2
8	3.02	3.9	3.01	3075.93	575.34	287.67	0.15	24.0	4873.3	7966.0	3720.7
9	7.04	8.7	7.12	9845.39	1313.2	656.6	0.15	24.0	13675.1	15134.6	8018.9
10	1.86	12.9	1.91	0160.49	447.06	223.53	0.15	24.0	3484.9	6253.1	2601.1
11	1.15	14.3	1.25	968.19	262.6	131.3	0.15	24.0	2039.3	3653.7	1571.1

12	1.01	15.4	1.05460.39	240.26	120.13	0.15	24.0	1681.2	3523.0	1442.1
13	1.01	16.3	1.06060.69	266.67	133.34	0.15	24.0	1585.7	4198.9	1584.1
14	1.01	17.3	1.16504.38	286.19	143.1	0.15	24.0	1507.3	4706.8	1691.9
15	1.01	18.3	1.1 6334.8	278.73	139.37	0.15	24.0	1397.8	4643.3	1682.9
16	1.01	19.3	1.15960.95	262.28	131.14	0.15	24.0	1281.0	4386.2	1634.6
17	1.01	20.3	1.15493.75	241.73	120.86	0.15	24.0	1144.5	4056.0	1571.5
18	1.01	21.3	1.14997.74	219.9	109.95	0.15	24.0	975.9	3728.3	1509.3
19	1.01	22.3	1.14434.88	195.13	97.57	0.15	24.0	798.8	3341.3	1435.3
20	9.74	28.0	11.015279.95	672.32	336.16	0.0	21.0	0.0	15816.3	2793.9

xc = 36.893 yc = 66.065 Rc = 61.621 Fs=2.059

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.68	-6.6	0.7 272.11		11.97	5.99	0.0	21.0	66.2	211.8	39.5
2	1.01	-5.8	1.02054.46		90.4	45.2	0.0	21.0	358.9	1737.0	323.8
3	1.01	-4.8	1.0 3597.6		158.29	79.15	0.0	21.0	632.9	3023.0	563.5
4	1.01	-3.9	1.0 4093.6		180.12	90.06	0.15	24.0	890.2	3309.8	1450.2
5	1.01	-3.0	1.04330.59		190.55	95.27	0.15	24.0	1118.8	3290.9	1445.4
6	1.01	-2.0	1.04433.67		195.08	97.54	0.15	24.0	1342.9	3142.8	1412.8
7	1.01	-1.1	1.04626.23		203.55	101.78	0.15	24.0	1550.3	3103.2	1404.0
8	3.02	0.8	3.014667.68		645.38	322.69	0.15	24.0	5711.0	8901.3	4123.4
9	10.06	6.9	10.157984.45		2551.32	1275.66	0.15	24.0	26147.6	30380.7	13950.8
10	2.01	12.6	2.114885.17		654.95	327.47	0.15	24.0	5258.2	9090.1	3467.1
11	2.01	14.5	2.117135.28		753.95	376.98	0.15	24.0	5171.1	11332.5	3964.2
12	2.01	16.4	2.116130.08		709.72	354.86	0.15	24.0	4937.9	10545.5	3808.3
13	2.01	18.4	2.114653.81		644.77	322.38	0.15	24.0	4578.8	9426.0	3582.7
14	2.01	20.4	2.112556.85		552.5	276.25	0.15	24.0	4040.7	7871.6	3265.6
15	2.01	22.4	2.211097.79		488.3	244.15	0.15	24.0	3342.0	7102.3	3121.0
16	2.01	24.4	2.29879.63		434.7	217.35	0.15	24.0	2475.9	6738.6	3067.0
17	2.01	26.5	2.210860.75		477.87	238.94	0.15	24.0	1458.5	8746.7	3529.1
18	2.01	28.6	2.39368.91		412.23	206.12	0.15	24.0	232.3	8495.0	3506.5
19	2.09	30.8	2.45769.84		253.87	126.94	0.15	24.0	0.0	5014.6	2856.2
20	2.11	33.1	2.52555.88		112.46	56.23	0.0	21.0	0.0	2720.8	507.2

xc = 23.365 yc = 69.248 Rc = 64.238 Fs=1.761

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.46	6.4	0.5	222.36	9.78	4.89	0.0	21.0	0.0	218.4	47.6
2	0.43	6.8	0.4	594.93	26.18	13.09	0.0	21.0	0.0	584.0	127.3
3	0.5	7.2	0.5	942.17	41.46	20.73	0.0	21.0	0.0	924.2	201.5
4	0.51	7.7	0.5	999.86	43.99	22.0	0.0	21.0	0.0	980.1	213.6
5	0.42	8.1	0.4	845.9	37.22	18.61	0.0	21.0	0.0	828.7	180.6
6	0.59	8.5	0.6	1180.5	51.94	25.97	0.0	21.0	0.0	1155.9	252.0
7	0.34	9.0	0.3	659.51	29.02	14.51	0.0	21.0	0.0	645.5	140.7
8	0.67	9.4	0.7	1188.35	52.29	26.14	0.0	21.0	0.0	1162.5	253.4
9	0.26	9.8	0.3	419.77	18.47	9.23	0.0	21.0	0.0	410.5	89.5
10	0.46	10.2	0.5	708.69	31.18	15.59	0.0	21.0	0.0	692.9	151.0
11	0.29	10.5	0.3	407.64	17.94	8.97	0.0	21.0	0.0	398.5	86.9
12	0.64	10.9	0.7	854.88	37.61	18.81	0.0	21.0	0.0	835.5	182.1
13	0.37	11.4	0.4	460.13	20.25	10.12	0.0	21.0	0.0	449.6	98.0
14	0.56	11.8	0.6	643.95	28.33	14.17	0.0	21.0	0.0	629.2	137.2
15	0.45	12.3	0.5	455.89	20.06	10.03	0.0	21.0	0.0	445.4	97.1
16	0.48	12.7	0.5	410.28	18.05	9.03	0.0	21.0	0.0	400.9	87.4
17	0.46	13.1	0.5	304.99	13.42	6.71	0.0	21.0	0.0	298.0	65.0
18	0.46	13.5	0.5	216.83	9.54	4.77	0.0	21.0	0.0	211.9	46.2
19	0.46	14.0	0.5	135.67	5.97	2.98	0.0	21.0	0.0	132.6	28.9
20	0.46	14.4	0.5	49.22	2.17	1.08	0.0	21.0	0.0	48.1	10.5

xc = 26.747 yc = 69.248 Rc = 64.377 Fs=1.264

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.59	2.8	0.6	151.83	6.68	3.34	0.0	21.0	5.2	144.7	43.9
2	1.01	3.5	1.0	1615.85	71.1	35.55	0.0	21.0	121.8	1469.5	446.1
3	1.01	4.4	1.0	2855.31	125.63	62.82	0.0	21.0	231.6	2571.3	780.6
4	1.01	5.3	1.0	3040.52	133.78	66.89	0.0	21.0	325.5	2651.9	805.0
5	1.01	6.2	1.0	2963.39	130.39	65.19	0.0	21.0	391.4	2504.5	760.3
6	1.01	7.1	1.0	2754.09	121.18	60.59	0.0	21.0	453.2	2234.2	678.2
7	1.01	8.0	1.0	2635.81	115.98	57.99	0.0	21.0	498.7	2069.7	628.3
8	1.01	8.9	1.0	2524.62	111.08	55.54	0.0	21.0	528.0	1929.2	585.6
9	2.01	10.3	2.0	4229.39	186.09	93.05	0.0	21.0	1070.1	3043.3	923.8
10	1.01	11.6	1.0	1654.22	72.79	36.39	0.0	21.0	504.7	1104.5	335.3
11	1.01	12.6	1.0	1420.03	62.48	31.24	0.0	21.0	455.5	925.5	281.0
12	1.01	13.5	1.0	1284.66	56.53	28.26	0.0	21.0	401.3	846.8	257.1
13	1.01	14.4	1.0	1182.62	52.04	26.02	0.0	21.0	329.8	816.8	247.9
14	1.01	15.3	1.0	1178.63	51.86	25.93	0.0	21.0	229.0	909.0	276.0
15	1.01	16.3	1.0	1300.25	57.21	28.61	0.0	21.0	122.5	1127.1	342.1
16	1.01	17.2	1.1	1388.77	61.11	30.55	0.0	21.0	0.0	1328.9	403.4
17	3.02	19.1	3.2	3639.71	160.15	80.07	0.0	21.0	0.0	3485.3	1058.0
18	3.02	22.0	3.3	4144.51	182.36	91.18	0.0	21.0	0.0	3981.4	1208.6
19	1.25	24.0	1.4	1490.51	65.58	32.79	0.0	21.0	0.0	1437.3	436.3

20	1.26	25.2	1.4	481.35	21.18	10.59	0.0	21.0	0.0	465.5	141.3

xc = 33.511 yc = 69.248 Rc = 64.653 Fs=2.212

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.97	-3.4	1.0	505.5	22.24	11.12	0.0	21.0	207.5	301.6	52.3
2	1.01	-2.5	1.02	240.41	98.58	49.29	0.0	21.0	459.4	1796.3	311.7
3	1.01	-1.6	1.03	676.73	161.78	80.89	0.0	21.0	675.7	3017.0	523.5
4	1.01	-0.7	1.04	066.97	178.95	89.47	0.15	24.0	876.2	3207.7	1327.9
5	1.01	0.2	1.04	197.71	184.7	92.35	0.15	24.0	1048.9	3144.9	1315.2
6	1.01	1.1	1.04	196.16	184.63	92.32	0.15	24.0	1217.9	2955.1	1277.1
7	1.01	2.0	1.04	285.62	188.57	94.28	0.15	24.0	1371.1	2873.2	1260.9
8	3.02	3.7	3.01	3039.83	573.75	286.88	0.15	24.0	4854.3	7964.0	3653.9
9	8.05	8.7	8.13	5122.53	1545.39	772.7	0.15	24.0	15869.7	18075.9	9159.3
10	2.01	13.2	2.11	0420.38	458.5	229.25	0.15	24.0	3784.1	6194.8	2648.4
11	2.01	15.1	2.11	1467.79	504.58	252.29	0.15	24.0	3459.6	7506.3	2923.7
12	2.01	16.9	2.11	3366.06	588.11	294.05	0.15	24.0	3187.3	9616.7	3361.6
13	2.01	18.8	2.11	2012.42	528.55	264.27	0.15	24.0	2770.7	8677.4	3187.7
14	2.01	20.7	2.21	0190.28	448.37	224.19	0.15	24.0	2229.5	7396.5	2947.1
15	1.01	22.1	1.14	271.83	187.96	93.98	0.15	24.0	857.1	3129.9	1368.2
16	1.0	23.1	1.13	588.75	157.91	78.95	0.15	24.0	647.7	2654.1	1273.9
17	1.01	24.1	1.13	148.07	138.52	69.26	0.15	24.0	436.1	2419.1	1234.0
18	1.01	25.0	1.12	900.18	127.61	63.8	0.15	24.0	189.6	2413.2	1238.7
19	1.01	26.0	1.12	509.78	110.43	55.22	0.15	24.0	0.0	2205.5	1203.1
20	5.69	29.4	6.51	1036.72	485.62	242.81	0.0	21.0	0.0	11541.5	2002.7

xc = 35.202 yc = 67.657 Rc = 63.137 Fs=2.133

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.86	-5.0	0.9	418.36	18.41	9.2	0.0	21.0	154.0	269.6	48.5
2	1.01	-4.1	1.02	195.57	96.61	48.3	0.0	21.0	435.2	1788.0	321.7
3	1.01	-3.2	1.03	683.87	162.09	81.05	0.0	21.0	679.5	3039.4	546.9
4	1.01	-2.3	1.04	126.84	181.58	90.79	0.15	24.0	907.7	3276.9	1391.9
5	1.01	-1.4	1.04	309.37	189.61	94.81	0.15	24.0	1107.6	3235.4	1382.8
6	1.01	-0.4	1.04	358.83	191.79	95.89	0.15	24.0	1303.5	3065.9	1347.3
7	1.01	0.5	1.04	498.61	197.94	98.97	0.15	24.0	1483.2	3004.6	1334.5
8	3.02	2.3	3.01	3974.84	614.89	307.45	0.15	24.0	5346.4	8479.2	3893.6

9	8.42	7.5	8.54	1957.55	1846.13	923.07	0.15	24.0	19207.52	1565.1	10468.9
10	1.65	12.1	1.79	944.83	437.57	218.79	0.15	24.0	3755.45	815.3	2397.4
11	1.01	13.4	1.06	509.63	286.42	143.21	0.15	24.0	2233.44	022.9	1566.7
12	1.01	14.3	1.07	182.22	316.02	158.01	0.15	24.0	2176.04	728.5	1716.9
13	1.01	15.3	1.07	700.16	338.81	169.4	0.15	24.0	2136.75	266.9	1832.5
14	1.01	16.2	1.07	606.86	334.7	167.35	0.15	24.0	2067.35	237.0	1829.6
15	1.01	17.2	1.17	311.46	321.7	160.85	0.15	24.0	1991.85	015.6	1787.1
16	1.01	18.1	1.16	925.01	304.7	152.35	0.15	24.0	1897.84	723.4	1730.1
17	1.01	19.1	1.16	512.19	286.54	143.27	0.15	24.0	1773.04	435.6	1674.2
18	3.02	21.0	3.21	6400.8	721.64	360.82	0.15	24.0	4468.91	1024.6	4574.6
19	8.66	26.9	9.73	6394.02	1601.34	800.67	0.15	24.0	1525.93	2222.0	13556.1
20	2.04	32.4	2.41	568.26	69.0	34.5	0.0	21.0	0.0	1667.3	300.0

xc = 21.674 yc = 70.84 Rc = 65.754 Fs=1.669

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.35	7.9	0.4	125.67	5.53	2.76	0.0	21.0	0.0	122.9	28.3
2	0.29	8.2	0.3	293.49	12.91	6.46	0.0	21.0	0.0	287.0	66.0
3	0.41	8.5	0.4	549.38	24.17	12.09	0.0	21.0	0.0	537.0	123.5
4	0.35	8.8	0.4	487.63	21.46	10.73	0.0	21.0	0.0	476.4	109.6
5	0.24	9.1	0.2	343.64	15.12	7.56	0.0	21.0	0.0	335.7	77.2
6	0.46	9.4	0.5	661.0	29.08	14.54	0.0	21.0	0.0	645.4	148.4
7	0.35	9.8	0.4	494.92	21.78	10.89	0.0	21.0	0.0	483.1	111.1
8	0.19	10.0	0.2	265.42	11.68	5.84	0.0	21.0	0.0	259.0	59.6
9	0.51	10.3	0.5	659.77	29.03	14.51	0.0	21.0	0.0	643.7	148.0
10	0.49	10.8	0.5	539.79	23.75	11.88	0.0	21.0	0.0	526.4	121.1
11	0.21	11.1	0.2	203.67	8.96	4.48	0.0	21.0	0.0	198.6	45.7
12	0.35	11.3	0.4	309.03	13.6	6.8	0.0	21.0	0.0	301.3	69.3
13	0.44	11.7	0.5	332.25	14.62	7.31	0.0	21.0	0.0	323.9	74.5
14	0.26	12.0	0.3	170.19	7.49	3.74	0.0	21.0	0.0	165.9	38.1
15	0.35	12.3	0.4	208.38	9.17	4.58	0.0	21.0	0.0	203.1	46.7
16	0.39	12.6	0.4	202.44	8.91	4.45	0.0	21.0	0.0	197.3	45.4
17	0.31	12.9	0.3	132.99	5.85	2.93	0.0	21.0	0.0	129.6	29.8
18	0.35	13.2	0.4	115.34	5.07	2.54	0.0	21.0	0.0	112.4	25.9
19	0.34	13.5	0.4	75.24	3.31	1.66	0.0	21.0	0.0	73.3	16.9
20	0.36	13.8	0.4	29.95	1.32	0.66	0.0	21.0	0.0	29.2	6.7

xc = 23.365 yc = 72.432 Rc = 67.408 Fs=1.812

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.48	6.1	0.5	241.44	10.62	5.31	0.0	21.0	0.0	237.4	50.3
2	0.41	6.5	0.4	586.95	25.83	12.91	0.0	21.0	0.0	576.8	122.2
3	0.55	6.9	0.6	1052.19	46.3	23.15	0.0	21.0	0.0	1033.4	219.0
4	0.46	7.3	0.5	912.77	40.16	20.08	0.0	21.0	0.0	895.9	189.8
5	0.51	7.7	0.5	1038.92	45.71	22.86	0.0	21.0	0.0	1019.1	216.0
6	0.5	8.2	0.5	1022.82	45.0	22.5	0.0	21.0	0.0	1002.8	212.5
7	0.46	8.6	0.5	913.19	40.18	20.09	0.0	21.0	0.0	894.9	189.6
8	0.54	9.0	0.6	983.9	43.29	21.65	0.0	21.0	0.0	963.8	204.2
9	0.42	9.4	0.4	698.03	30.71	15.36	0.0	21.0	0.0	683.5	144.8
10	0.59	9.9	0.6	903.05	39.73	19.87	0.0	21.0	0.0	884.0	187.3
11	0.37	10.3	0.4	536.49	23.61	11.8	0.0	21.0	0.0	525.1	111.3
12	0.63	10.7	0.6	860.41	37.86	18.93	0.0	21.0	0.0	841.9	178.4
13	0.33	11.1	0.3	421.17	18.53	9.27	0.0	21.0	0.0	412.1	87.3
14	0.68	11.6	0.7	779.36	34.29	17.15	0.0	21.0	0.0	762.5	161.6
15	0.29	12.0	0.3	289.22	12.73	6.36	0.0	21.0	0.0	282.9	60.0
16	0.48	12.3	0.5	412.71	18.16	9.08	0.0	21.0	0.0	403.7	85.6
17	0.48	12.7	0.5	317.59	13.97	6.99	0.0	21.0	0.0	310.7	65.8
18	0.48	13.2	0.5	236.14	10.39	5.2	0.0	21.0	0.0	231.1	49.0
19	0.28	13.5	0.3	99.56	4.38	2.19	0.0	21.0	0.0	97.4	20.6
20	0.68	13.9	0.7	102.57	4.51	2.26	0.0	21.0	0.0	100.4	21.3

xc = 25.056 yc = 70.84 Rc = 65.893 Fs=1.676

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.21	4.4	0.2	18.04	0.79	0.4	0.0	21.0	0.0	17.8	4.1
2	1.01	4.9	1.0	1250.62	55.03	27.51	0.0	21.0	0.0	1231.0	282.0
3	1.01	5.8	1.0	2444.52	107.56	53.78	0.0	21.0	9.6	2391.9	547.9
4	1.01	6.7	1.0	2584.68	113.73	56.86	0.0	21.0	79.1	2456.8	562.7
5	1.01	7.5	1.0	2462.96	108.37	54.19	0.0	21.0	120.9	2293.0	525.2
6	1.01	8.4	1.0	2209.53	97.22	48.61	0.0	21.0	158.8	2005.1	459.3
7	1.01	9.3	1.0	2047.51	90.09	45.05	0.0	21.0	180.7	1823.3	417.6
8	1.01	10.2	1.0	1892.97	83.29	41.65	0.0	21.0	186.5	1665.2	381.4
9	0.85	11.0	0.9	1374.01	60.46	30.23	0.0	21.0	141.1	1202.4	275.4
10	1.17	11.9	1.2	1492.22	65.66	32.83	0.0	21.0	165.3	1293.6	296.3
11	1.01	12.9	1.0	894.61	39.36	19.68	0.0	21.0	94.1	780.3	178.7
12	0.53	13.6	0.5	340.93	15.0	7.5	0.0	21.0	23.5	309.4	70.9
13	0.48	14.0	0.5	276.45	12.16	6.08	0.0	21.0	2.2	267.4	61.2
14	1.01	14.7	1.0	441.19	19.41	9.71	0.0	21.0	0.0	430.3	98.6
15	1.01	15.6	1.0	297.59	13.09	6.55	0.0	21.0	0.0	290.4	66.5
16	1.01	16.5	1.0	252.28	11.1	5.55	0.0	21.0	0.0	246.4	56.4

17	1.01	17.4	1.1	332.74	14.64	7.32	0.0	21.0	0.0	325.4	74.5
18	1.01	18.3	1.1	380.28	16.73	8.37	0.0	21.0	0.0	372.4	85.3
19	0.79	19.2	0.8	305.43	13.44	6.72	0.0	21.0	0.0	299.5	68.6
20	0.9	19.9	1.0	274.77	12.09	6.04	0.0	21.0	0.0	269.9	61.8

xc = 26.747 yc = 72.432 Rc = 67.547 Fs=1.769

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.57	2.7	0.6	141.26	6.22	3.11	0.0	21.0	0.0	140.0	30.4
2	1.01	3.3	1.0	1601.41	70.46	35.23	0.0	21.0	114.0	1471.3	319.2
3	1.01	4.2	1.0	2846.99	125.27	62.63	0.0	21.0	227.1	2585.7	561.0
4	1.01	5.1	1.0	3039.7	133.75	66.87	0.0	21.0	325.1	2673.9	580.1
5	1.01	5.9	1.0	2971.52	130.75	65.37	0.0	21.0	395.8	2532.6	549.4
6	1.01	6.8	1.0	2772.61	121.99	61.0	0.0	21.0	463.2	2267.3	491.9
7	1.01	7.6	1.0	2666.19	117.31	58.66	0.0	21.0	515.1	2109.0	457.5
8	3.02	9.4	3.1	7017.9	308.79	154.39	0.0	21.0	1681.5	5221.7	1132.8
9	2.14	11.6	2.2	3334.3	146.71	73.35	0.15	24.0	1142.2	1766.3	2298.9
10	0.88	12.9	0.9	1226.96	53.99	26.99	0.15	24.0	409.6	628.0	919.5
11	1.01	13.7	1.0	1339.88	58.95	29.48	0.15	24.0	414.8	695.3	1053.0
12	1.01	14.6	1.0	1360.61	59.87	29.93	0.0	21.0	327.3	1010.6	219.3
13	1.01	15.5	1.0	1508.94	66.39	33.2	0.0	21.0	235.3	1246.7	270.5
14	1.01	16.4	1.0	1626.1	71.55	35.77	0.0	21.0	126.4	1469.5	318.8
15	1.01	17.3	1.1	1720.95	75.72	37.86	0.0	21.0	0.4	1688.0	366.2
16	2.01	18.6	2.1	2405.47	105.84	52.92	0.0	21.0	0.0	2365.4	513.2
17	1.01	20.0	1.1	1355.31	59.63	29.82	0.0	21.0	0.0	1336.6	290.0
18	1.01	20.9	1.1	1793.63	78.92	39.46	0.0	21.0	0.0	1772.9	384.6
19	1.01	21.8	1.1	2076.77	91.38	45.69	0.0	21.0	0.0	2058.1	446.5
20	3.44	23.8	3.8	3633.93	159.89	79.95	0.0	21.0	0.0	3625.4	786.5

xc = 31.82 yc = 70.84 Rc = 66.169 Fs=2.377

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.0	-1.8	1.0	510.73	22.47	11.24	0.0	21.0	215.7	296.7	47.9
2	1.01	-1.0	1.0	2196.02	96.62	48.31	0.0	21.0	435.4	1765.8	285.2
3	1.01	-0.1	1.0	3582.89	157.65	78.82	0.0	21.0	624.9	2958.9	477.9
4	1.01	0.8	1.0	3920.51	172.5	86.25	0.15	24.0	799.1	3105.5	1216.8
5	1.01	1.6	1.0	4001.89	176.08	88.04	0.15	24.0	945.8	3023.0	1201.6

6	1.01	2.5	1.0	3951.61	173.87	86.94	0.15	24.0	1089.1	2814.3	1162.8
7	1.01	3.4	1.0	3992.96	175.69	87.85	0.15	24.0	1217.0	2713.2	1144.4
8	3.02	5.1	3.01	1878.41	522.65	261.33	0.15	24.0	4243.0	7370.6	3293.4
9	7.04	9.5	7.12	5827.06	1136.39	568.2	0.15	24.0	11560.2	13291.6	6997.3
10	1.55	13.3	1.6	7288.43	320.69	160.35	0.15	24.0	2356.7	4625.7	1868.6
11	1.47	14.7	1.5	6501.6	286.07	143.04	0.15	24.0	2079.7	4117.5	1732.5
12	1.01	15.8	1.0	4730.2	208.13	104.06	0.15	24.0	1296.9	3211.4	1261.4
13	1.01	16.7	1.1	5317.05	233.95	116.98	0.15	24.0	1194.3	3887.0	1391.1
14	1.01	17.6	1.1	5749.64	252.98	126.49	0.15	24.0	1110.1	4394.9	1489.5
15	1.01	18.5	1.1	5571.37	245.14	122.57	0.15	24.0	996.0	4329.2	1480.6
16	1.01	19.4	1.1	5191.32	228.42	114.21	0.15	24.0	876.0	4069.5	1435.7
17	1.01	20.4	1.1	4720.5	207.7	103.85	0.15	24.0	737.5	3737.2	1377.4
18	1.01	21.3	1.1	4223.51	185.83	92.92	0.15	24.0	568.4	3408.4	1320.0
19	1.01	22.2	1.1	3662.45	161.15	80.57	0.15	24.0	392.2	3021.1	1251.9
20	9.12	27.1	10.2	9892.42	435.27	217.63	0.0	21.0	0.0	10266.4	1658.1

xc = 33.511 yc = 72.432 Rc = 67.823 Fs=2.264

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.96	-3.2	1.0	490.84	21.6	10.8	0.0	21.0	197.5	296.6	50.3
2	1.01	-2.4	1.0	2220.77	97.71	48.86	0.0	21.0	448.8	1786.1	302.9
3	1.01	-1.5	1.0	3653.95	160.77	80.39	0.0	21.0	663.3	3005.3	509.6
4	1.01	-0.7	1.0	4041.73	177.84	88.92	0.15	24.0	862.9	3194.6	1295.0
5	1.01	0.2	1.0	4172.06	183.57	91.79	0.15	24.0	1035.4	3133.0	1282.9
6	1.01	1.0	1.0	4171.47	183.54	91.77	0.15	24.0	1204.9	2945.0	1246.0
7	1.01	1.9	1.0	4263.3	187.59	93.79	0.15	24.0	1359.3	2865.4	1230.6
8	3.02	3.6	3.01	2999.84	571.99	286.0	0.15	24.0	4833.2	7959.9	3569.5
9	8.05	8.3	8.13	5451.81	1559.88	779.94	0.15	24.0	16043.0	18304.5	8989.8
10	2.01	12.6	2.11	0682.97	470.05	235.03	0.15	24.0	3922.3	6343.4	2613.8
11	2.01	14.3	2.11	1826.3	520.36	260.18	0.15	24.0	3648.3	7701.9	2891.0
12	2.01	16.1	2.11	3835.45	608.76	304.38	0.15	24.0	3434.4	9865.0	3328.0
13	2.01	17.9	2.11	2608.79	554.79	277.39	0.15	24.0	3084.6	8985.4	3168.3
14	2.01	19.7	2.11	0931.02	480.96	240.48	0.15	24.0	2619.4	7773.9	2945.0
15	2.01	21.5	2.2	8653.25	380.74	190.37	0.15	24.0	1986.2	6126.6	2638.0
16	2.01	23.3	2.2	7035.12	309.55	154.77	0.15	24.0	1203.8	5276.7	2489.9
17	2.01	25.2	2.2	5680.96	249.96	124.98	0.15	24.0	266.1	4842.8	2426.1
18	2.01	27.1	2.3	6550.96	288.24	144.12	0.15	24.0	0.0	5989.6	2675.7
19	1.94	29.0	2.2	4831.31	212.58	106.29	0.0	21.0	0.0	5048.9	856.1
20	2.01	30.9	2.3	1375.43	60.52	30.26	0.0	21.0	0.0	1455.4	246.8

xc = 21.674 yc = 74.023 Rc = 68.924 Fs=1.718

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.37	7.5	0.4	139.01	6.12	3.06	0.0	21.0	0.0	136.2	30.4
2	0.29	7.8	0.3	300.06	13.2	6.6	0.0	21.0	0.0	293.9	65.7
3	0.45	8.1	0.5	618.52	27.21	13.61	0.0	21.0	0.0	605.5	135.3
4	0.37	8.5	0.4	529.57	23.3	11.65	0.0	21.0	0.0	518.2	115.8
5	0.19	8.7	0.2	274.11	12.06	6.03	0.0	21.0	0.0	268.1	59.9
6	0.55	9.0	0.6	816.61	35.93	17.97	0.0	21.0	0.0	798.5	178.4
7	0.45	9.4	0.5	660.7	29.07	14.54	0.0	21.0	0.0	645.8	144.3
8	0.28	9.8	0.3	397.0	17.47	8.73	0.0	21.0	0.0	387.9	86.7
9	0.37	10.0	0.4	471.34	20.74	10.37	0.0	21.0	0.0	460.5	102.9
10	0.35	10.3	0.4	402.69	17.72	8.86	0.0	21.0	0.0	393.3	87.9
11	0.39	10.6	0.4	394.5	17.36	8.68	0.0	21.0	0.0	385.2	86.1
12	0.37	11.0	0.4	335.52	14.76	7.38	0.0	21.0	0.0	327.6	73.2
13	0.25	11.2	0.3	203.87	8.97	4.49	0.0	21.0	0.0	199.0	44.5
14	0.49	11.5	0.5	357.13	15.71	7.86	0.0	21.0	0.0	348.6	77.9
15	0.52	12.0	0.5	331.88	14.6	7.3	0.0	21.0	0.0	323.9	72.4
16	0.22	12.3	0.2	123.28	5.42	2.71	0.0	21.0	0.0	120.3	26.9
17	0.37	12.5	0.4	176.54	7.77	3.88	0.0	21.0	0.0	172.3	38.5
18	0.42	12.9	0.4	152.1	6.69	3.35	0.0	21.0	0.0	148.4	33.2
19	0.32	13.2	0.3	75.17	3.31	1.65	0.0	21.0	0.0	73.4	16.4
20	0.37	13.5	0.4	30.4	1.34	0.67	0.0	21.0	0.0	29.7	6.6

xc = 23.365 yc = 75.615 Rc = 70.578 Fs=1.861

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	5.8	0.5	263.02	11.57	5.79	0.0	21.0	0.0	258.9	53.4
2	0.39	6.2	0.4	573.45	25.23	12.62	0.0	21.0	0.0	564.2	116.4
3	0.61	6.6	0.6	1175.5	51.72	25.86	0.0	21.0	0.0	1155.7	238.4
4	0.4	7.0	0.4	808.03	35.55	17.78	0.0	21.0	0.0	794.0	163.8
5	0.6	7.4	0.6	1255.44	55.24	27.62	0.0	21.0	0.0	1232.9	254.4
6	0.4	7.8	0.4	836.19	36.79	18.4	0.0	21.0	0.0	820.8	169.3
7	0.6	8.3	0.6	1195.17	52.59	26.29	0.0	21.0	0.0	1172.6	241.9
8	0.41	8.7	0.4	744.46	32.76	16.38	0.0	21.0	0.0	730.1	150.6
9	0.6	9.1	0.6	1012.25	44.54	22.27	0.0	21.0	0.0	992.4	204.7
10	0.41	9.5	0.4	645.41	28.4	14.2	0.0	21.0	0.0	632.5	130.5
11	0.59	9.9	0.6	879.73	38.71	19.35	0.0	21.0	0.0	862.0	177.8
12	0.41	10.3	0.4	589.17	25.92	12.96	0.0	21.0	0.0	577.2	119.1
13	0.59	10.7	0.6	781.27	34.38	17.19	0.0	21.0	0.0	765.3	157.9

14	0.42	11.2	0.4	508.15	22.36	11.18	0.0	21.0	0.0	497.7	102.7
15	0.58	11.6	0.6	615.47	27.08	13.54	0.0	21.0	0.0	602.8	124.4
16	0.5	12.0	0.5	423.52	18.63	9.32	0.0	21.0	0.0	414.8	85.6
17	0.5	12.4	0.5	335.02	14.74	7.37	0.0	21.0	0.0	328.1	67.7
18	0.43	12.8	0.4	217.95	9.59	4.79	0.0	21.0	0.0	213.5	44.0
19	0.58	13.2	0.6	182.3	8.02	4.01	0.0	21.0	0.0	178.6	36.8
20	0.5	13.7	0.5	44.39	1.95	0.98	0.0	21.0	0.0	43.5	9.0

xc = 25.056 yc = 74.023 Rc = 69.062 Fs=1.512

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.2	4.2	0.2	16.3	0.72	0.36	0.0	21.0	0.0	16.0	4.1
2	1.01	4.7	1.0	1246.3	54.84	27.42	0.0	21.0	0.0	1225.0	311.0
3	1.01	5.5	1.0	2448.32	107.73	53.86	0.0	21.0	11.7	2389.4	606.6
4	1.01	6.4	1.0	2597.94	114.31	57.15	0.0	21.0	86.3	2457.7	623.9
5	1.01	7.2	1.0	2487.11	109.43	54.72	0.0	21.0	134.0	2298.2	583.4
6	1.01	8.0	1.0	2245.94	98.82	49.41	0.0	21.0	178.5	2015.7	511.7
7	1.01	8.9	1.0	2097.64	92.3	46.15	0.0	21.0	207.8	1839.8	467.0
8	1.01	9.7	1.0	1958.3	86.17	43.08	0.0	21.0	221.9	1688.3	428.6
9	2.01	11.0	2.1	3019.25	132.85	66.42	0.0	21.0	416.0	2527.3	641.6
10	1.01	12.3	1.0	1014.67	44.65	22.32	0.0	21.0	159.0	829.8	210.6
11	1.01	13.1	1.0	759.85	33.43	16.72	0.0	21.0	98.7	641.0	162.7
12	1.01	14.0	1.0	605.8	26.66	13.33	0.0	21.0	34.3	553.9	140.6
13	1.01	14.9	1.0	487.02	21.43	10.71	0.0	21.0	0.0	472.1	119.8
14	1.01	15.7	1.0	468.33	20.61	10.3	0.0	21.0	0.0	454.1	115.3
15	1.01	16.6	1.0	577.26	25.4	12.7	0.0	21.0	0.0	560.0	142.2
16	1.01	17.5	1.1	655.18	28.83	14.41	0.0	21.0	0.0	636.0	161.5
17	3.02	19.2	3.2	1394.91	61.38	30.69	0.0	21.0	0.0	1357.2	344.5
18	2.07	21.5	2.2	458.83	20.19	10.09	0.0	21.0	0.0	448.3	113.8
19	0.95	22.8	1.0	816.91	35.94	17.97	0.0	21.0	0.0	800.8	203.3
20	1.42	23.9	1.6	603.95	26.57	13.29	0.0	21.0	0.0	593.8	150.7

xc = 26.747 yc = 75.615 Rc = 70.717 Fs=1.933

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.55	2.6	0.5	130.82	5.76	2.88	0.0	21.0	0.0	129.8	25.8
2	1.01	3.2	1.0	1586.04	69.79	34.89	0.0	21.0	105.7	1466.4	291.2

3	1.01	4.0	1.02	837.17	124.84	62.42	0.0	21.0	221.8	2585.7	513.4
4	1.01	4.8	1.03	036.74	133.62	66.81	0.0	21.0	323.5	2678.0	531.7
5	1.01	5.6	1.02	976.69	130.97	65.49	0.0	21.0	398.6	2540.8	504.5
6	1.01	6.5	1.02	787.23	122.64	61.32	0.0	21.0	471.1	2279.7	452.6
7	1.01	7.3	1.02	691.57	118.43	59.21	0.0	21.0	528.8	2126.3	422.2
8	3.02	8.9	3.17	170.85	315.52	157.76	0.0	21.0	1764.2	5307.4	1053.8
9	3.02	11.4	3.14	909.01	216.0	108.0	0.15	24.0	1711.5	2655.7	3000.9
10	1.01	13.1	1.01	483.81	65.29	32.64	0.15	24.0	490.5	791.1	983.7
11	1.2	14.0	1.21	831.73	80.6	40.3	0.15	24.0	495.4	1075.6	1209.0
12	0.81	14.9	0.8	1387.2	61.04	30.52	0.15	24.0	269.0	927.7	864.0
13	1.01	15.6	1.0	1838.5	80.89	40.45	0.0	21.0	241.2	1571.3	312.0
14	1.01	16.5	1.01	960.87	86.28	43.14	0.0	21.0	130.0	1803.3	358.0
15	2.01	17.7	2.12	974.72	130.89	65.44	0.0	21.0	0.0	2936.7	583.1
16	1.01	19.0	1.1	1689.0	74.32	37.16	0.0	21.0	0.0	1672.1	332.0
17	1.01	19.9	1.12	162.59	95.15	47.58	0.0	21.0	0.0	2145.7	426.0
18	1.01	20.8	1.12	483.14	109.26	54.63	0.0	21.0	0.0	2469.7	490.4
19	1.01	21.6	1.12	194.02	96.54	48.27	0.0	21.0	0.0	2188.0	434.4
20	3.27	23.5	3.63	462.07	152.33	76.17	0.0	21.0	0.0	3475.5	690.1

xc = 31.82 yc = 74.023 Rc = 69.339 Fs=2.365

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	-1.8	1.0	488.97	21.51	10.76	0.0	21.0	200.2	290.4	47.1
2	1.01	-0.9	1.02	171.85	95.56	47.78	0.0	21.0	422.3	1754.4	284.8
3	1.01	-0.1	1.03	557.91	156.55	78.27	0.0	21.0	611.4	2947.3	478.5
4	1.01	0.7	1.03	895.37	171.4	85.7	0.15	24.0	785.8	3094.3	1221.0
5	1.01	1.6	1.03	978.58	175.06	87.53	0.15	24.0	933.5	3013.3	1205.9
6	1.01	2.4	1.03	931.48	172.99	86.49	0.15	24.0	1078.6	2806.7	1167.3
7	1.01	3.2	1.03	977.36	175.0	87.5	0.15	24.0	1208.8	2708.2	1149.2
8	3.02	4.9	3.01	1871.06	522.33	261.16	0.15	24.0	4239.1	7376.5	3310.8
9	8.05	9.5	8.23	0529.63	1343.3	671.65	0.15	24.0	13452.4	15944.1	8179.6
10	2.01	13.7	2.19	036.53	397.61	198.8	0.15	24.0	3055.7	5578.7	2364.6
11	1.01	15.0	1.04	930.19	216.93	108.46	0.15	24.0	1402.1	3308.3	1283.8
12	2.01	16.3	2.11	2145.62	534.41	267.2	0.15	24.0	2551.6	9105.2	3044.7
13	2.01	18.1	2.11	1558.32	508.57	254.28	0.15	24.0	2209.7	8851.7	3009.5
14	2.01	19.8	2.19	817.55	431.97	215.99	0.15	24.0	1706.9	7615.5	2790.9
15	1.63	21.4	1.86	418.17	282.4	141.2	0.15	24.0	926.2	5087.2	2070.6
16	1.39	22.8	1.54	040.86	177.8	88.9	0.15	24.0	399.0	3289.4	1572.9
17	1.01	23.9	1.12	385.54	104.96	52.48	0.15	24.0	34.7	2087.9	1091.1
18	1.01	24.8	1.12	147.06	94.47	47.24	0.15	24.0	0.0	1877.1	1056.4
19	1.01	25.7	1.11	771.62	77.95	38.98	0.0	21.0	0.0	1823.6	296.0
20	5.19	28.6	5.97	531.87	331.4	165.7	0.0	21.0	0.0	7880.8	1279.4

xc = 33.511 yc = 75.615 Rc = 70.993 Fs=2.219

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.95	-3.1	0.9	475.55	20.92	10.46	0.0	21.0	187.0	291.7	50.4
2	1.01	-2.3	1.02	200.66	96.83	48.41	0.0	21.0	437.9	1776.4	307.3
3	1.01	-1.5	1.03	630.97	159.76	79.88	0.0	21.0	650.9	2994.3	517.9
4	1.01	-0.7	1.04	016.47	176.72	88.36	0.15	24.0	849.6	3182.2	1318.6
5	1.01	0.2	1.0	4146.4	182.44	91.22	0.15	24.0	1021.9	3120.9	1306.3
6	1.01	1.0	1.04	146.72	182.46	91.23	0.15	24.0	1191.8	2933.8	1268.8
7	1.01	1.8	1.04	240.71	186.59	93.3	0.15	24.0	1347.4	2855.7	1253.4
8	3.02	3.4	3.01	2956.56	570.09	285.04	0.15	24.0	4810.4	7943.9	3637.7
9	8.63	8.2	8.73	9018.94	1716.83	858.42	0.15	24.0	17421.3	20387.9	9985.1
10	1.43	12.3	1.57	915.71	348.29	174.15	0.15	24.0	2851.0	4760.5	1943.5
11	1.01	13.3	1.05	963.13	262.38	131.19	0.15	24.0	1945.8	3783.8	1457.9
12	1.01	14.1	1.06	641.32	292.22	146.11	0.15	24.0	1891.3	4494.9	1603.0
13	1.01	14.9	1.07	168.66	315.42	157.71	0.15	24.0	1856.9	5039.9	1715.1
14	1.01	15.8	1.07	088.65	311.9	155.95	0.15	24.0	1794.6	5017.2	1713.3
15	1.01	16.6	1.16	810.58	299.67	149.83	0.15	24.0	1728.2	4804.3	1673.7
16	1.01	17.5	1.16	445.64	283.61	141.8	0.15	24.0	1645.5	4522.3	1620.3
17	1.01	18.3	1.16	058.58	266.58	133.29	0.15	24.0	1534.2	4246.5	1568.5
18	3.02	20.1	3.21	5235.17	670.35	335.17	0.15	24.0	3855.4	10548.8	4288.5
19	9.21	25.5	10.23	7288.54	1640.7	820.35	0.15	24.0	568.4	34125.8	13746.2
20	2.07	30.6	2.41	635.65	71.97	35.98	0.0	21.0	0.0	1723.6	298.1

xc = 35.202 yc = 74.023 Rc = 69.477 Fs=2.176

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.86	-4.5	0.9	409.9	18.04	9.02	0.0	21.0	149.0	265.4	46.8
2	1.01	-3.7	1.02	173.08	95.62	47.81	0.0	21.0	423.0	1774.2	313.0
3	1.01	-2.9	1.03	650.46	160.62	80.31	0.0	21.0	661.5	3019.7	532.8
4	1.01	-2.1	1.04	084.16	179.7	89.85	0.15	24.0	885.2	3250.0	1359.2
5	1.01	-1.2	1.04	261.12	187.49	93.74	0.15	24.0	1082.3	3208.7	1350.4
6	1.01	-0.4	1.04	307.83	189.54	94.77	0.15	24.0	1276.6	3040.5	1315.9
7	1.01	0.4	1.04	447.65	195.7	97.85	0.15	24.0	1456.3	2981.7	1303.8
8	3.02	2.1	3.01	3847.36	609.28	304.64	0.15	24.0	5279.3	8435.0	3808.4
9	10.06	7.5	10.15	3131.8	2337.8	1168.9	0.15	24.0	23593.6	28111.3	12749.2
10	2.01	12.6	2.11	3788.57	606.7	303.35	0.15	24.0	4681.0	8621.1	3185.5

11	2.01	14.3	2.11	6056.53	706.49	353.24	0.15	24.0	4603.4	10887.2	3659.3
12	2.01	16.0	2.11	5101.27	664.46	332.23	0.15	24.0	4396.4	10128.3	3515.7
13	2.01	17.7	2.11	3708.95	603.19	301.6	0.15	24.0	4081.5	9049.9	3308.3
14	2.01	19.5	2.11	1732.23	516.22	258.11	0.15	24.0	3606.7	7551.8	3016.8
15	3.02	21.7	3.21	5628.22	687.64	343.82	0.15	24.0	4214.8	10534.9	4395.3
16	2.01	23.9	2.21	1092.31	488.06	244.03	0.15	24.0	1808.4	8694.0	3296.9
17	2.01	25.8	2.2	9569.25	421.05	210.52	0.15	24.0	820.6	8164.6	3211.2
18	1.42	27.3	1.6	5984.27	263.31	131.65	0.15	24.0	0.0	5577.7	2242.0
19	1.6	28.8	1.84	637.86	204.07	102.03	0.15	24.0	0.0	4135.3	2104.8
20	2.68	30.8	3.13	868.11	170.2	85.1	0.15	24.0	0.0	2872.0	2736.5

xc = 36.893 yc = 75.615 Rc = 70.714 Fs=2.083

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.04	-5.0	1.01	278.85	56.27	28.13	0.0	21.0	0.0	1305.1	240.5
2	1.01	-4.2	1.02	799.42	123.17	61.59	0.0	21.0	201.4	2640.9	486.6
3	1.01	-3.4	1.03	268.43	143.81	71.91	0.0	21.0	448.7	2855.9	526.2
4	1.01	-2.6	1.03	477.95	153.03	76.51	0.0	21.0	669.5	2834.8	522.3
5	1.01	-1.8	1.03	569.25	157.05	78.52	0.15	24.0	887.9	2722.9	1306.7
6	1.01	-1.0	1.03	755.09	165.22	82.61	0.15	24.0	1091.8	2685.2	1298.4
7	3.02	0.7	3.01	2050.24	530.21	265.11	0.15	24.0	4333.4	7672.1	3813.0
8	8.82	5.5	8.94	2180.14	1855.93	927.96	0.15	24.0	18994.8	22222.1	11126.8
9	1.24	9.6	1.37	813.61	343.8	171.9	0.15	24.0	2933.9	4628.2	1897.4
10	1.01	10.5	1.06	780.89	298.36	149.18	0.15	24.0	2376.2	4177.4	1629.5
11	1.01	11.4	1.07	555.84	332.46	166.23	0.15	24.0	2372.6	4926.9	1791.8
12	1.01	12.2	1.08	180.77	359.95	179.98	0.15	24.0	2389.6	5510.3	1918.7
13	1.01	13.0	1.0	8199.3	360.77	180.38	0.15	24.0	2379.2	5528.6	1925.0
14	1.01	13.9	1.08	020.77	352.91	176.46	0.15	24.0	2365.1	5358.6	1891.3
15	1.01	14.7	1.07	756.42	341.28	170.64	0.15	24.0	2335.4	5120.9	1843.3
16	1.01	15.5	1.07	471.15	328.73	164.37	0.15	24.0	2277.7	4890.8	1797.1
17	3.02	17.2	3.22	0095.32	884.19	442.1	0.15	24.0	6413.4	12772.3	5005.1
18	11.08	23.4	12.16	6826.24	2940.36	1470.18	0.15	24.0	11838.3	51401.9	19676.8
19	1.26	28.9	1.43	368.58	148.22	74.11	0.15	24.0	0.0	2928.9	1664.6
20	3.21	31.0	3.73	360.23	147.85	73.92	0.15	24.0	0.0	2036.2	3134.9

xc = 60.567 yc = 75.615 Rc = 63.325 Fs=2.484

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	0.6	0.3	32.72	1.44	0.72	0.0	21.0	0.0	32.7	5.0
2	1.01	1.2	1.0	347.9	15.31	7.65	0.0	21.0	0.0	346.9	53.6
3	1.01	2.1	1.0	1271.41	55.94	27.97	0.0	21.0	0.0	1265.1	195.5
4	1.01	3.0	1.0	2332.64	102.64	51.32	0.0	21.0	0.0	2317.0	358.1
5	1.01	3.9	1.0	2715.03	119.46	59.73	0.15	24.0	0.0	2647.1	1083.5
6	1.01	4.8	1.0	3198.81	140.75	70.37	0.15	24.0	0.0	3111.5	1167.5
7	1.01	5.7	1.0	3614.46	159.04	79.52	0.15	24.0	0.0	3507.9	1239.4
8	2.01	7.1	2.0	6907.53	303.93	151.97	0.15	24.0	0.0	6659.0	2418.2
9	1.02	8.5	1.0	3842.54	169.07	84.54	0.15	24.0	0.0	3692.9	1285.8
10	1.26	9.6	1.3	4647.47	204.49	102.24	0.15	24.0	0.0	4449.1	1567.3
11	1.22	10.7	1.2	4084.66	179.73	89.86	0.15	24.0	0.0	3883.7	1446.5
12	0.68	11.6	0.7	2501.3	110.06	55.03	0.15	24.0	16.5	2363.5	844.6
13	1.09	12.4	1.1	4401.7	193.67	96.84	0.15	24.0	29.6	4164.9	1417.6
14	0.96	13.3	1.0	3638.12	160.08	80.04	0.15	24.0	2.0	3448.6	1215.8
15	1.04	14.3	1.1	3458.93	152.19	76.1	0.15	24.0	0.0	3255.5	1232.7
16	1.04	15.2	1.1	10330.79	454.55	227.28	0.15	24.0	0.0	10039.5	2451.6
17	1.04	16.2	1.1	12756.38	561.28	280.64	0.15	24.0	0.0	12445.7	2886.0
18	1.04	17.2	1.1	12138.56	534.1	267.05	0.15	24.0	0.0	11845.9	2781.9
19	1.04	18.2	1.1	11477.0	504.99	252.49	0.15	24.0	0.0	11203.5	2670.4
20	1.04	19.2	1.1	9774.77	430.09	215.04	0.15	24.0	0.0	9524.0	2373.3

xc = 21.674 yc = 77.207 Rc = 72.082 Fs=1.768

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.38	7.2	0.4	149.89	6.6	3.3	0.0	21.0	0.0	147.0	31.9
2	0.27	7.5	0.3	290.89	12.8	6.4	0.0	21.0	0.0	285.3	61.9
3	0.49	7.8	0.5	679.43	29.9	14.95	0.0	21.0	0.0	666.0	144.6
4	0.52	8.2	0.5	755.24	33.23	16.62	0.0	21.0	0.0	739.9	160.6
5	0.25	8.5	0.3	375.25	16.51	8.26	0.0	21.0	0.0	367.5	79.8
6	0.38	8.7	0.4	572.07	25.17	12.59	0.0	21.0	0.0	560.1	121.6
7	0.37	9.1	0.4	555.15	24.43	12.21	0.0	21.0	0.0	543.4	118.0
8	0.39	9.4	0.4	550.84	24.24	12.12	0.0	21.0	0.0	539.0	117.0
9	0.38	9.7	0.4	487.92	21.47	10.73	0.0	21.0	0.0	477.3	103.6
10	0.23	9.9	0.2	271.89	11.96	5.98	0.0	21.0	0.0	265.9	57.7
11	0.53	10.2	0.5	558.79	24.59	12.29	0.0	21.0	0.0	546.4	118.6
12	0.47	10.6	0.5	430.54	18.94	9.47	0.0	21.0	0.0	420.9	91.4
13	0.29	10.9	0.3	236.59	10.41	5.2	0.0	21.0	0.0	231.3	50.2
14	0.38	11.2	0.4	291.04	12.81	6.4	0.0	21.0	0.0	284.5	61.8
15	0.33	11.5	0.3	233.56	10.28	5.14	0.0	21.0	0.0	228.3	49.6
16	0.43	11.8	0.4	265.63	11.69	5.84	0.0	21.0	0.0	259.6	56.4
17	0.38	12.1	0.4	194.42	8.55	4.28	0.0	21.0	0.0	190.0	41.2
18	0.19	12.4	0.2	82.71	3.64	1.82	0.0	21.0	0.0	80.8	17.5

19	0.57	12.7	0.6	163.03	7.17	3.59	0.0	21.0	0.0	159.3	34.6
20	0.38	13.1	0.4	31.63	1.39	0.7	0.0	21.0	0.0	30.9	6.7

xc = 25.056 yc = 77.207 Rc = 72.232 Fs=1.409

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.19	4.0	0.2	14.39	0.63	0.32	0.0	21.0	0.0	14.2	3.9
2	1.01	4.5	1.01	240.15	54.57	27.28	0.0	21.0	0.0	1218.0	331.9
3	1.01	5.3	1.02	449.57	107.78	53.89	0.0	21.0	12.3	2387.5	650.6
4	1.01	6.1	1.02	607.81	114.74	57.37	0.0	21.0	91.6	2459.1	670.1
5	1.01	6.9	1.02	506.88	110.3	55.15	0.0	21.0	144.6	2303.6	627.7
6	1.01	7.7	1.02	276.89	100.18	50.09	0.0	21.0	195.2	2026.1	552.1
7	1.01	8.5	1.02	141.07	94.21	47.1	0.0	21.0	231.3	1855.5	505.6
8	1.01	9.3	1.02	015.53	88.68	44.34	0.0	21.0	252.8	1709.9	465.9
9	2.01	10.5	2.03	180.21	139.93	69.96	0.0	21.0	503.0	2591.9	706.3
10	1.01	11.7	1.01	121.55	49.35	24.67	0.0	21.0	216.8	874.5	238.3
11	1.01	12.5	1.0	886.14	38.99	19.5	0.0	21.0	166.9	694.7	189.3
12	1.01	13.4	1.0	753.01	33.13	16.57	0.0	21.0	113.9	617.0	168.1
13	1.01	14.2	1.0	656.67	28.89	14.45	0.0	21.0	45.5	589.7	160.7
14	1.01	15.0	1.0	662.01	29.13	14.56	0.0	21.0	0.0	638.7	174.0
15	1.01	15.8	1.0	796.62	35.05	17.53	0.0	21.0	0.0	768.6	209.4
16	1.01	16.7	1.1	901.92	39.68	19.84	0.0	21.0	0.0	870.5	237.2
17	3.02	18.4	3.22	315.34	101.88	50.94	0.0	21.0	0.0	2237.2	609.6
18	3.02	20.9	3.23	119.61	137.26	68.63	0.0	21.0	0.0	3024.6	824.2
19	1.0	22.6	1.1	991.55	43.63	21.81	0.0	21.0	0.0	964.6	262.8
20	1.23	23.6	1.3	483.48	21.27	10.64	0.0	21.0	0.0	471.4	128.5

xc = 26.747 yc = 78.798 Rc = 73.886 Fs=2.419

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.52	2.5	0.5	120.53	5.3	2.65	0.0	21.0	0.0	119.8	19.0
2	1.01	3.1	1.01	569.83	69.07	34.54	0.0	21.0	96.9	1462.6	232.0
3	1.01	3.8	1.02	826.04	124.35	62.17	0.0	21.0	215.8	2588.5	410.7
4	1.01	4.6	1.03	031.84	133.4	66.7	0.0	21.0	320.9	2685.4	426.0
5	1.01	5.4	1.02	979.23	131.09	65.54	0.0	21.0	400.0	2552.5	405.0
6	1.01	6.2	1.02	798.39	123.13	61.56	0.0	21.0	477.1	2295.4	364.2
7	1.01	7.0	1.02	712.56	119.35	59.68	0.0	21.0	540.2	2146.9	340.6

8	3.02	8.6	3.1	7305.3	321.43	160.72	0.15	24.0	1836.1	5104.9	2831.8
9	3.02	10.9	3.1	5183.01	228.05	114.03	0.15	24.0	1855.8	2917.1	2442.7
10	2.01	12.9	2.1	3248.93	142.95	71.48	0.15	24.0	1056.0	1877.0	1625.4
11	1.01	14.1	1.0	1868.82	82.23	41.11	0.15	24.0	426.7	1266.6	876.3
12	1.09	15.0	1.1	2210.39	97.26	48.63	0.15	24.0	374.4	1632.6	1001.9
13	0.92	15.8	1.0	1999.56	87.98	43.99	0.15	24.0	214.1	1604.6	887.5
14	2.01	17.0	2.1	3486.95	153.43	76.71	0.0	21.0	130.2	3347.4	531.1
15	1.25	18.3	1.3	2470.52	108.7	54.35	0.0	21.0	0.0	2472.3	392.2
16	0.77	19.1	0.8	1987.42	87.45	43.72	0.0	21.0	0.0	1993.7	316.3
17	1.01	19.8	1.1	2848.7	125.34	62.67	0.0	21.0	0.0	2864.4	454.5
18	1.01	20.7	1.1	2595.1	114.18	57.09	0.0	21.0	0.0	2617.0	415.2
19	1.01	21.5	1.1	2142.85	94.29	47.14	0.0	21.0	0.0	2167.7	343.9
20	3.18	23.3	3.5	3112.96	136.97	68.49	0.0	21.0	0.0	3172.1	503.3

xc = 30.129 yc = 78.798 Rc = 74.025 Fs=2.501

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.89	-0.3	0.9	387.35	17.04	8.52	0.0	21.0	130.9	256.6	39.4
2	1.01	0.4	1.0	2018.98	88.84	44.42	0.0	21.0	339.7	1677.4	257.5
3	1.01	1.2	1.0	3361.17	147.89	73.95	0.0	21.0	505.1	2847.5	437.1
4	1.01	2.0	1.0	3653.16	160.74	80.37	0.0	21.0	656.7	2982.4	457.8
5	1.01	2.8	1.0	3691.66	162.43	81.22	0.15	24.0	782.5	2858.7	1113.1
6	1.01	3.6	1.0	3604.69	158.61	79.3	0.15	24.0	906.6	2636.7	1074.0
7	1.01	4.3	1.0	3612.38	158.94	79.47	0.15	24.0	1016.7	2523.2	1054.4
8	3.02	5.9	3.0	10562.09	464.73	232.37	0.15	24.0	3550.2	6737.4	3019.5
9	7.04	9.8	7.1	22111.81	972.92	486.46	0.15	24.0	9604.8	11592.3	6351.2
10	1.79	13.3	1.8	7546.18	332.03	166.02	0.15	24.0	2188.4	5032.6	1999.5
11	1.23	14.5	1.3	4809.66	211.63	105.81	0.15	24.0	1363.8	3214.3	1333.1
12	1.01	15.4	1.0	4205.54	185.04	92.52	0.15	24.0	1020.7	2984.6	1157.3
13	1.01	16.2	1.0	4807.14	211.51	105.76	0.15	24.0	925.9	3669.2	1281.7
14	1.01	17.0	1.1	5258.23	231.36	115.68	0.15	24.0	851.4	4187.2	1376.6
15	1.01	17.9	1.1	5102.32	224.5	112.25	0.15	24.0	749.2	4132.2	1369.7
16	1.01	18.7	1.1	4748.6	208.94	104.47	0.15	24.0	643.0	3884.8	1328.6
17	1.01	19.5	1.1	4308.25	189.56	94.78	0.15	24.0	520.5	3566.6	1275.2
18	1.01	20.3	1.1	3846.0	169.22	84.61	0.15	24.0	369.7	3254.1	1222.9
19	1.01	21.2	1.1	3324.13	146.26	73.13	0.15	24.0	214.2	2885.5	1160.8
20	9.5	25.7	10.5	8626.22	379.55	189.78	0.0	21.0	0.0	8912.9	1368.0

xc = 33.511 yc = 78.798 Rc = 74.163 Fs=2.245

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.93	-2.9	0.9	459.71	20.23	10.11	0.0	21.0	176.1	286.4	49.0
2	1.01	-2.2	1.02	180.14	95.93	47.96	0.0	21.0	426.8	1766.1	301.9
3	1.01	-1.4	1.03	607.83	158.74	79.37	0.0	21.0	638.4	2982.8	509.9
4	1.01	-0.6	1.03	991.18	175.61	87.81	0.15	24.0	836.3	3169.3	1300.7
5	1.01	0.2	1.04	120.76	181.31	90.66	0.15	24.0	1008.4	3109.0	1288.7
6	1.01	0.9	1.04	121.88	181.36	90.68	0.15	24.0	1178.8	2923.2	1251.9
7	1.01	1.7	1.04	217.84	185.58	92.79	0.15	24.0	1335.4	2846.9	1237.0
8	3.02	3.3	3.01	2910.4	568.06	284.03	0.15	24.0	4786.1	7932.6	3592.8
9	10.06	8.4	10.24	7787.83	2102.67	1051.33	0.15	24.0	20781.0	25553.5	11861.3
10	2.01	13.1	2.11	2433.64	547.08	273.54	0.15	24.0	3967.9	8001.6	2966.9
11	2.01	14.7	2.11	4633.3	643.87	321.93	0.15	24.0	3854.3	10246.2	3421.6
12	2.01	16.3	2.11	3623.88	599.45	299.73	0.15	24.0	3618.9	9465.5	3277.7
13	2.01	17.9	2.11	2192.12	536.45	268.23	0.15	24.0	3283.1	8369.5	3072.7
14	2.01	19.6	2.11	0191.4	448.42	224.21	0.15	24.0	2795.8	6858.3	2786.8
15	2.01	21.2	2.2	8884.15	390.9	195.45	0.15	24.0	2177.0	6160.6	2663.9
16	2.01	22.9	2.27	877.99	346.63	173.32	0.15	24.0	1422.5	5897.3	2629.0
17	2.01	24.6	2.29	137.06	402.03	201.02	0.15	24.0	551.3	8036.4	3072.3
18	2.01	26.3	2.2	7996.1	351.83	175.91	0.15	24.0	0.0	7448.5	2977.1
19	2.05	28.1	2.34	732.72	208.24	104.12	0.15	24.0	0.0	4102.0	2365.5
20	2.12	29.9	2.42	251.69	99.07	49.54	0.0	21.0	0.0	2365.6	404.4

xc = 21.674 yc = 80.39 Rc = 75.16 Fs=1.832

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.37	7.0	0.4	143.42	6.31	3.16	0.0	21.0	0.0	140.9	29.5
2	0.21	7.2	0.2	205.37	9.04	4.52	0.0	21.0	0.0	201.7	42.3
3	0.54	7.5	0.5	669.24	29.45	14.72	0.0	21.0	0.0	656.9	137.7
4	0.47	7.9	0.5	624.52	27.48	13.74	0.0	21.0	0.0	612.7	128.4
5	0.28	8.2	0.3	380.85	16.76	8.38	0.0	21.0	0.0	373.5	78.3
6	0.37	8.4	0.4	510.07	22.44	11.22	0.0	21.0	0.0	500.1	104.8
7	0.35	8.7	0.4	482.19	21.22	10.61	0.0	21.0	0.0	472.7	99.1
8	0.39	9.0	0.4	505.38	22.24	11.12	0.0	21.0	0.0	495.2	103.8
9	0.37	9.3	0.4	433.89	19.09	9.55	0.0	21.0	0.0	425.1	89.1
10	0.24	9.5	0.2	254.77	11.21	5.6	0.0	21.0	0.0	249.6	52.3
11	0.51	9.8	0.5	479.81	21.11	10.56	0.0	21.0	0.0	469.9	98.5
12	0.5	10.2	0.5	406.83	17.9	8.95	0.0	21.0	0.0	398.3	83.5
13	0.25	10.5	0.3	178.55	7.86	3.93	0.0	21.0	0.0	174.8	36.6
14	0.37	10.7	0.4	254.23	11.19	5.59	0.0	21.0	0.0	248.9	52.2
15	0.39	11.0	0.4	240.91	10.6	5.3	0.0	21.0	0.0	235.8	49.4

16	0.36	11.3	0.4	197.59	8.69	4.35	0.0	21.0	0.0	193.4	40.5
17	0.37	11.6	0.4	171.32	7.54	3.77	0.0	21.0	0.0	167.7	35.1
18	0.27	11.8	0.3	102.77	4.52	2.26	0.0	21.0	0.0	100.6	21.1
19	0.47	12.1	0.5	117.26	5.16	2.58	0.0	21.0	0.0	114.8	24.1
20	0.37	12.5	0.4	28.66	1.26	0.63	0.0	21.0	0.0	28.0	5.9

xc = 23.365 yc = 81.982 Rc = 76.918 Fs=1.943

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.59	5.4	0.6	371.95	16.37	8.18	0.0	21.0	0.0	366.8	72.5
2	0.3	5.7	0.3	473.19	20.82	10.41	0.0	21.0	0.0	466.3	92.1
3	1.01	6.2	1.02	1010.48	88.46	44.23	0.0	21.0	0.0	1979.8	391.2
4	0.47	6.8	0.51	000.72	44.03	22.02	0.0	21.0	0.0	984.7	194.6
5	0.53	7.1	0.51	136.83	50.02	25.01	0.0	21.0	0.0	1118.0	220.9
6	0.65	7.6	0.71	338.49	58.89	29.45	0.0	21.0	0.0	1315.7	260.0
7	0.35	8.0	0.4	669.25	29.45	14.72	0.0	21.0	0.0	657.6	129.9
8	1.01	8.5	1.01	751.02	77.04	38.52	0.0	21.0	0.0	1719.7	339.8
9	0.42	9.0	0.4	679.35	29.89	14.95	0.0	21.0	0.0	666.9	131.8
10	0.58	9.4	0.6	909.12	40.0	20.0	0.0	21.0	0.0	892.3	176.3
11	0.6	9.9	0.6	887.38	39.04	19.52	0.0	21.0	0.0	870.8	172.1
12	0.4	10.2	0.4	551.07	24.25	12.12	0.0	21.0	0.0	540.7	106.8
13	0.78	10.7	0.8	936.27	41.2	20.6	0.0	21.0	0.0	918.5	181.5
14	0.59	11.2	0.6	565.03	24.86	12.43	0.0	21.0	0.0	554.3	109.5
15	0.63	11.7	0.6	486.24	21.39	10.7	0.0	21.0	0.0	477.0	94.3
16	0.55	12.1	0.6	312.35	13.74	6.87	0.0	21.0	0.0	306.5	60.6
17	0.45	12.5	0.5	167.62	7.38	3.69	0.0	21.0	0.0	164.5	32.5
18	1.01	13.1	1.0	226.95	9.99	4.99	0.0	21.0	0.0	222.8	44.0
19	0.32	13.6	0.3	43.94	1.93	0.97	0.0	21.0	0.0	43.1	8.5
20	0.59	13.9	0.6	32.9	1.45	0.72	0.0	21.0	0.0	32.3	6.4

xc = 25.056 yc = 80.39 Rc = 75.402 Fs=1.363

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.17	3.8	0.2	12.39	0.55	0.27	0.0	21.0	0.0	12.2	3.4
2	1.01	4.3	1.01	232.42	54.23	27.11	0.0	21.0	0.0	1210.3	341.0
3	1.01	5.1	1.02	448.59	107.74	53.87	0.0	21.0	11.8	2386.9	672.4
4	1.01	5.8	1.02	614.74	115.05	57.52	0.0	21.0	95.4	2461.7	693.5

5	1.01	6.6	1.0	2522.85	111.01	55.5	0.0	21.0	153.3	2310.2	650.8
6	1.01	7.4	1.0	2303.08	101.34	50.67	0.0	21.0	209.4	2037.0	573.8
7	1.01	8.1	1.0	2178.66	95.86	47.93	0.0	21.0	251.6	1871.3	527.2
8	3.02	9.7	3.1	5473.47	240.83	120.42	0.0	21.0	846.7	4478.4	1261.6
9	2.26	11.7	2.3	2307.04	101.51	50.75	0.0	21.0	557.7	1687.9	475.5
10	0.76	12.9	0.8	656.28	28.88	14.44	0.0	21.0	137.2	500.3	140.9
11	1.01	13.6	1.0	809.23	35.61	17.8	0.0	21.0	128.0	656.2	184.8
12	1.01	14.4	1.0	836.38	36.8	18.4	0.0	21.0	44.0	762.9	214.9
13	1.01	15.2	1.0	994.26	43.75	21.87	0.0	21.0	0.0	957.1	269.6
14	1.01	16.0	1.0	1124.35	49.47	24.74	0.0	21.0	0.0	1082.2	304.9
15	1.01	16.8	1.1	1235.61	54.37	27.18	0.0	21.0	0.0	1189.5	335.1
16	2.01	18.0	2.1	1497.44	65.89	32.94	0.0	21.0	0.0	1442.4	406.3
17	1.01	19.2	1.1	941.06	41.41	20.7	0.0	21.0	0.0	907.4	255.6
18	1.01	20.0	1.1	1410.8	62.08	31.04	0.0	21.0	0.0	1361.7	383.6
19	1.01	20.8	1.1	1729.45	76.1	38.05	0.0	21.0	0.0	1671.2	470.8
20	3.21	22.5	3.5	2832.04	124.61	62.3	0.0	21.0	0.0	2745.2	773.4

xc = 26.747 yc = 81.982 Rc = 77.056 Fs=2.505

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	2.4	0.5	110.47	4.86	2.43	0.0	21.0	0.0	109.9	16.8
2	1.01	2.9	1.0	1552.91	68.33	34.16	0.0	21.0	87.8	1455.6	223.0
3	1.01	3.7	1.0	2813.78	123.81	61.9	0.0	21.0	209.2	2584.5	396.0
4	1.01	4.4	1.0	3025.31	133.11	66.56	0.0	21.0	317.3	2684.2	411.3
5	1.01	5.2	1.0	2979.5	131.1	65.55	0.0	21.0	400.1	2554.5	391.4
6	1.01	5.9	1.0	2806.55	123.49	61.74	0.0	21.0	481.5	2300.9	352.5
7	1.01	6.7	1.0	2729.73	120.11	60.05	0.0	21.0	549.5	2156.4	330.4
8	3.02	8.2	3.0	7424.06	326.66	163.33	0.15	24.0	1898.6	5186.7	2747.6
9	3.26	10.6	3.3	5849.53	257.38	128.69	0.15	24.0	2147.7	3286.5	2569.3
10	0.77	12.1	0.8	1318.4	58.01	29.0	0.15	24.0	469.3	739.8	599.9
11	1.01	12.8	1.0	1810.49	79.66	39.83	0.15	24.0	564.9	1093.3	812.0
12	1.01	13.5	1.0	2023.91	89.05	44.53	0.15	24.0	508.3	1351.9	859.9
13	1.01	14.3	1.0	2209.99	97.24	48.62	0.15	24.0	437.4	1598.4	905.7
14	1.01	15.1	1.0	2377.78	104.62	52.31	0.15	24.0	352.0	1841.8	951.2
15	2.01	16.2	2.1	3953.47	173.95	86.98	0.15	24.0	380.4	3190.8	1821.9
16	1.01	17.4	1.1	2260.79	99.47	49.74	0.0	21.0	0.0	2260.7	346.4
17	1.01	18.2	1.1	2794.73	122.97	61.48	0.0	21.0	0.0	2800.8	429.1
18	1.01	19.0	1.1	3179.17	139.88	69.94	0.0	21.0	0.0	3193.7	489.3
19	1.01	19.8	1.1	2957.6	130.13	65.07	0.0	21.0	0.0	2978.9	456.4
20	4.84	22.1	5.2	7560.52	332.66	166.33	0.0	21.0	0.0	7682.8	1177.1

xc = 30.129 yc = 81.982 Rc = 77.195 Fs=2.378

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.87	-0.3	0.9	365.49	16.08	8.04	0.0	21.0	126.0	239.6	38.7
2	1.01	0.4	1.01	994.14	87.74	43.87	0.0	21.0	326.3	1666.0	268.9
3	1.01	1.2	1.03	337.44	146.85	73.42	0.0	21.0	492.3	2836.5	457.8
4	1.01	1.9	1.03	631.59	159.79	79.9	0.0	21.0	645.0	2972.2	479.7
5	1.01	2.7	1.03	672.79	161.6	80.8	0.15	24.0	772.6	2849.1	1168.7
6	1.01	3.4	1.03	590.19	157.97	78.98	0.15	24.0	898.9	2628.9	1127.9
7	1.01	4.2	1.03	603.36	158.55	79.27	0.15	24.0	1012.0	2517.8	1107.6
8	3.02	5.7	3.01	0577.71	465.42	232.71	0.15	24.0	3558.4	6739.3	3174.8
9	8.05	9.8	8.22	6285.96	1156.58	578.29	0.15	24.0	11218.9	13948.1	7763.4
10	2.01	13.6	2.17	947.17	349.68	174.84	0.15	24.0	2482.4	5076.3	2256.2
11	2.01	15.2	2.18	959.77	394.23	197.11	0.15	24.0	2139.6	6386.0	2510.4
12	2.01	16.7	2.11	0866.14	478.11	239.06	0.15	24.0	1871.6	8514.8	2919.2
13	1.01	17.9	1.1	5076.3	223.36	111.68	0.15	24.0	803.0	4030.2	1425.7
14	1.0	18.7	1.14	603.24	202.54	101.27	0.15	24.0	686.7	3676.6	1353.7
15	1.01	19.5	1.14	204.66	185.01	92.5	0.15	24.0	558.5	3404.1	1310.3
16	3.02	21.1	3.29	432.64	415.04	207.52	0.15	24.0	801.4	7894.4	3517.9
17	3.02	23.5	3.35	819.25	256.05	128.02	0.0	21.0	0.0	5928.8	956.9
18	2.01	25.5	2.24	247.42	186.89	93.44	0.0	21.0	0.0	4370.0	705.3
19	1.49	27.0	1.72	093.41	92.11	46.06	0.0	21.0	0.0	2170.6	350.4
20	1.92	28.4	2.21	586.66	69.81	34.91	0.0	21.0	0.0	1659.1	267.8

xc = 33.511 yc = 81.982 Rc = 77.135 Fs=2.351

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.57	-2.7	0.6	170.2	7.49	3.74	0.0	21.0	14.7	156.8	25.6
2	1.01	-2.1	1.01	790.85	78.8	39.4	0.0	21.0	216.4	1585.0	258.8
3	1.01	-1.3	1.03	216.29	141.52	70.76	0.0	21.0	426.8	2801.1	457.4
4	1.01	-0.6	1.03	592.52	158.07	79.04	0.0	21.0	623.9	2973.9	485.6
5	1.01	0.1	1.03	717.01	163.55	81.77	0.15	24.0	795.9	2918.1	1194.8
6	1.01	0.9	1.03	718.82	163.63	81.81	0.15	24.0	966.6	2734.4	1160.1
7	1.01	1.6	1.03	816.49	167.93	83.96	0.15	24.0	1124.1	2660.6	1146.3
8	3.02	3.1	3.01	1725.65	515.93	257.96	0.15	24.0	4162.6	7391.9	3329.2
9	10.06	8.0	10.24	4334.14	1950.7	975.35	0.15	24.0	18963.2	24063.4	11042.1
10	2.01	12.6	2.11	1917.2	524.36	262.18	0.15	24.0	3696.1	7800.0	2793.1
11	2.01	14.1	2.11	4194.4	624.55	312.28	0.15	24.0	3623.3	10086.8	3234.6
12	2.01	15.7	2.11	3273.15	584.02	292.01	0.15	24.0	3434.3	9347.9	3104.2

13	2.01	17.2	2.11	1940.84	525.4	262.7	0.15	24.0	3150.9	8298.6	2916.2
14	2.01	18.8	2.11	0051.7	442.27	221.14	0.15	24.0	2722.2	6839.8	2651.9
15	3.02	20.8	3.21	3333.86	586.69	293.34	0.15	24.0	3007.2	9575.1	3873.8
16	2.01	22.8	2.29	764.04	429.62	214.81	0.15	24.0	1109.3	8153.5	2937.2
17	2.01	24.4	2.28	441.95	371.45	185.72	0.15	24.0	227.2	7717.8	2872.1
18	1.39	25.8	1.55	226.73	229.98	114.99	0.15	24.0	0.0	4883.3	1907.7
19	1.63	27.1	1.84	156.79	182.9	91.45	0.15	24.0	0.0	3711.2	1872.6
20	2.61	28.9	3.03	351.02	147.45	73.72	0.15	24.0	0.0	2515.7	2378.1

xc = 36.893 yc = 81.982 Rc = 76.61 Fs=2.221

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.68	-4.5	0.7	567.26	24.96	12.48	0.0	21.0	0.0	576.9	99.7
2	1.01	-3.9	1.01	949.41	85.77	42.89	0.0	21.0	0.0	1977.2	341.6
3	1.01	-3.1	1.02	408.78	105.99	52.99	0.0	21.0	0.0	2435.5	420.8
4	1.01	-2.4	1.02	610.76	114.87	57.44	0.0	21.0	200.8	2429.5	419.8
5	1.01	-1.6	1.02	685.71	118.17	59.09	0.0	21.0	416.2	2281.7	394.3
6	1.01	-0.9	1.0	2857.0	125.71	62.85	0.0	21.0	618.3	2244.9	387.9
7	3.02	0.6	3.09	348.81	411.35	205.67	0.15	24.0	2911.6	6401.2	3321.3
8	10.06	5.5	10.14	1900.7	1843.63	921.82	0.15	24.0	17682.5	23218.5	11479.5
9	2.01	10.1	2.01	2460.27	548.25	274.13	0.15	24.0	3981.9	8077.9	2999.1
10	2.01	11.6	2.11	5087.93	663.87	331.93	0.15	24.0	4093.6	10506.1	3492.9
11	3.02	13.5	3.12	1617.71	951.18	475.59	0.15	24.0	6136.9	14708.4	5044.5
12	1.35	15.2	1.48	859.85	389.83	194.92	0.15	24.0	2623.7	5885.6	2121.1
13	1.67	16.4	1.79	916.82	436.34	218.17	0.15	24.0	3105.9	6377.0	2455.8
14	1.01	17.5	1.15	658.68	248.98	124.49	0.15	24.0	1757.4	3636.5	1441.0
15	1.01	18.2	1.15	670.05	249.48	124.74	0.15	24.0	1647.4	3751.9	1467.3
16	1.01	19.0	1.15	549.68	244.19	122.09	0.15	24.0	1533.8	3741.5	1468.6
17	1.01	19.8	1.15	865.05	258.06	129.03	0.15	24.0	1404.5	4179.2	1559.9
18	1.01	20.6	1.16	317.55	277.97	138.99	0.15	24.0	1247.2	4783.5	1684.7
19	1.01	21.4	1.16	087.73	267.86	133.93	0.15	24.0	1085.7	4716.1	1675.1
20	10.41	26.2	11.63	7603.46	1654.55	827.28	0.15	24.0	0.0	34637.8	14776.9

xc = 57.185 yc = 81.982 Rc = 70.163 Fs=2.487

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.57	2.4	0.6	69.92	3.08	1.54	0.0	21.0	0.0	69.5	10.7

2	1.01	3.0	1.0	559.76	24.63	12.31	0.0	21.0	0.0	556.0	85.8
3	1.01	3.8	1.0	959.55	42.22	21.11	0.0	21.0	0.0	951.8	146.9
4	1.01	4.7	1.01	797.65	79.1	39.55	0.0	21.0	0.0	1781.2	275.0
5	1.01	5.5	1.02	776.99	122.19	61.09	0.15	24.0	0.0	2685.0	1090.5
6	1.01	6.3	1.03	088.32	135.89	67.94	0.15	24.0	0.0	2980.6	1144.3
7	1.01	7.1	1.03	492.56	153.67	76.84	0.15	24.0	0.0	3367.7	1214.7
8	1.01	8.0	1.03	831.34	168.58	84.29	0.15	24.0	0.0	3690.4	1273.6
9	2.01	9.2	2.07	120.51	313.3	156.65	0.15	24.0	0.0	6816.1	2450.2
10	1.01	10.5	1.0	3784.9	166.54	83.27	0.15	24.0	0.0	3615.3	1264.5
11	1.27	11.4	1.34	614.61	203.04	101.52	0.15	24.0	0.0	4390.9	1569.3
12	1.22	12.5	1.33	900.88	171.64	85.82	0.15	24.0	0.0	3682.7	1413.6
13	0.68	13.3	0.72	359.72	103.83	51.91	0.15	24.0	0.0	2230.6	822.6
14	1.09	14.0	1.14	121.66	181.35	90.68	0.15	24.0	0.0	3905.3	1374.0
15	1.03	14.9	1.13	546.66	156.05	78.03	0.15	24.0	0.0	3340.2	1240.1
16	1.06	15.8	1.13	092.89	136.09	68.04	0.15	24.0	0.0	2880.3	1181.2
17	1.06	16.7	1.110	940.96	481.4	240.7	0.15	24.0	0.0	10649.8	2575.4
18	1.06	17.6	1.112	430.82	546.96	273.48	0.15	24.0	0.0	12138.4	2845.2
19	1.06	18.5	1.111	735.05	516.34	258.17	0.15	24.0	0.0	11461.8	2727.6
20	1.06	19.4	1.19	995.59	439.81	219.9	0.15	24.0	0.0	9743.9	2423.7

xc = 23.365 yc = 85.165 Rc = 80.088 Fs=1.614

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.89	5.3	0.9	846.73	37.26	18.63	0.0	21.0	0.0	832.0	197.9
2	1.01	6.0	1.0	2019.0	88.84	44.42	0.0	21.0	0.0	1980.8	471.0
3	1.01	6.7	1.02	155.52	94.84	47.42	0.0	21.0	0.0	2111.4	502.1
4	1.01	7.4	1.02	035.35	89.56	44.78	0.0	21.0	0.0	1990.9	473.4
5	1.01	8.1	1.01	788.68	78.7	39.35	0.0	21.0	0.0	1747.4	415.5
6	1.01	8.9	1.01	638.72	72.1	36.05	0.0	21.0	0.0	1599.2	380.3
7	1.01	9.6	1.01	501.61	66.07	33.04	0.0	21.0	0.0	1464.0	348.2
8	2.01	10.7	2.02	127.42	93.61	46.8	0.0	21.0	0.0	2072.0	492.7
9	1.01	11.8	1.0	588.62	25.9	12.95	0.0	21.0	0.0	572.9	136.2
10	1.01	12.5	1.0	352.25	15.5	7.75	0.0	21.0	0.0	342.7	81.5
11	1.01	13.3	1.0	220.89	9.72	4.86	0.0	21.0	0.0	214.9	51.1
12	1.01	14.0	1.0	129.15	5.68	2.84	0.0	21.0	0.0	125.7	29.9
13	1.01	14.8	1.0	141.96	6.25	3.12	0.0	21.0	0.0	138.1	32.9
14	1.01	15.5	1.0	286.96	12.63	6.31	0.0	21.0	0.0	279.4	66.4
15	1.01	16.3	1.0	405.65	17.85	8.92	0.0	21.0	0.0	395.1	94.0
16	1.01	17.0	1.1	507.05	22.31	11.16	0.0	21.0	0.0	494.3	117.5
17	2.01	18.1	2.1	16.61	0.73	0.37	0.0	21.0	0.0	16.2	3.9
18	1.01	19.3	1.1	192.42	8.47	4.23	0.0	21.0	0.0	188.2	44.8
19	1.01	20.0	1.1	658.75	28.99	14.49	0.0	21.0	0.0	645.2	153.4
20	2.81	21.5	3.02	003.54	88.16	44.08	0.0	21.0	0.0	1969.0	468.2

xc = 25.056 yc = 83.573 Rc = 78.572 Fs=1.332

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.16	3.7	0.2	10.38	0.46	0.23	0.0	21.0	0.0	10.2	2.9
2	1.01	4.1	1.01	223.26	53.82	26.91	0.0	21.0	0.0	1201.5	346.2
3	1.01	4.8	1.02	445.65	107.61	53.8	0.0	21.0	10.2	2385.9	687.5
4	1.01	5.6	1.02	619.05	115.24	57.62	0.0	21.0	97.7	2463.9	710.0
5	1.01	6.3	1.02	535.46	111.56	55.78	0.0	21.0	160.1	2316.0	667.3
6	1.01	7.1	1.02	325.06	102.3	51.15	0.0	21.0	221.2	2046.8	589.8
7	1.01	7.8	1.0	2211.1	97.29	48.64	0.0	21.0	269.1	1885.7	543.3
8	3.02	9.3	3.15	643.46	248.31	124.16	0.0	21.0	938.6	4552.9	1311.9
9	3.02	11.5	3.13	302.71	145.32	72.66	0.0	21.0	849.1	2365.2	681.5
10	1.01	13.0	1.0	946.84	41.66	20.83	0.0	21.0	202.4	716.4	206.4
11	1.19	13.8	1.21	188.15	52.28	26.14	0.0	21.0	154.1	994.4	286.5
12	0.82	14.6	0.8	975.04	42.9	21.45	0.0	21.0	43.2	895.7	258.1
13	1.01	15.3	1.01	325.62	58.33	29.16	0.0	21.0	0.0	1273.9	367.1
14	1.01	16.1	1.01	460.85	64.28	32.14	0.0	21.0	0.0	1403.7	404.5
15	2.01	17.2	2.1	2025.2	89.11	44.55	0.0	21.0	0.0	1946.4	560.8
16	1.01	18.4	1.11	247.01	54.87	27.43	0.0	21.0	0.0	1199.2	345.5
17	1.01	19.1	1.11	746.77	76.86	38.43	0.0	21.0	0.0	1680.9	484.3
18	1.01	19.9	1.12	097.12	92.27	46.14	0.0	21.0	0.0	2019.7	582.0
19	1.01	20.7	1.11	841.52	81.03	40.51	0.0	21.0	0.0	1775.3	511.5
20	2.94	22.2	3.22	536.09	111.59	55.79	0.0	21.0	0.0	2451.2	706.3

xc = 31.82 yc = 83.573 Rc = 78.849 Fs=2.331

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.92	-1.5	0.9	424.89	18.7	9.35	0.0	21.0	154.8	271.4	44.7
2	1.01	-0.8	1.02	098.92	92.35	46.18	0.0	21.0	382.9	1720.2	283.3
3	1.01	-0.1	1.03	482.94	153.25	76.62	0.0	21.0	570.9	2912.8	479.6
4	1.01	0.6	1.03	819.63	168.06	84.03	0.15	24.0	746.0	3060.1	1231.9
5	1.01	1.4	1.03	907.48	171.93	85.96	0.15	24.0	896.1	2983.1	1217.4
6	1.01	2.1	1.03	868.38	170.21	85.1	0.15	24.0	1045.3	2781.6	1179.1
7	1.01	2.8	1.03	925.67	172.73	86.36	0.15	24.0	1181.6	2689.9	1162.0
8	3.02	4.3	3.01	1815.14	519.87	259.93	0.15	24.0	4209.7	7374.5	3356.3
9	8.79	8.6	8.93	5444.07	1559.54	779.77	0.15	24.0	15497.4	18762.9	9303.3

10	1.27	12.3	1.3	6398.39	281.53	140.76	0.15	24.0	2169.0	3979.7	1598.9
11	1.01	13.2	1.0	5416.28	238.32	119.16	0.15	24.0	1658.0	3545.6	1342.2
12	1.01	13.9	1.0	6098.93	268.35	134.18	0.15	24.0	1605.8	4261.8	1481.0
13	1.01	14.7	1.0	6633.75	291.88	145.94	0.15	24.0	1575.4	4812.8	1588.5
14	1.01	15.4	1.0	6564.36	288.83	144.42	0.15	24.0	1518.7	4796.1	1587.7
15	1.01	16.2	1.0	6300.09	277.2	138.6	0.15	24.0	1459.5	4590.1	1550.9
16	1.01	17.0	1.1	5952.19	261.9	130.95	0.15	24.0	1385.8	4316.2	1501.3
17	1.01	17.7	1.1	5585.58	245.77	122.88	0.15	24.0	1285.3	4050.1	1453.3
18	3.02	19.3	3.2	13970.22	614.69	307.34	0.15	24.0	3189.6	10031.1	3973.6
19	9.51	24.2	10.4	36587.94	1609.87	804.93	0.15	24.0	0.0	34165.8	13236.5
20	2.08	28.9	2.4	1715.42	75.48	37.74	0.0	21.0	0.0	1796.1	295.8

xc = 33.511 yc = 85.165 Rc = 80.083 Fs=2.408

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.16	-2.4	0.2	12.95	0.57	0.28	0.0	21.0	0.0	13.1	2.1
2	1.01	-2.0	1.0	1355.65	59.65	29.82	0.0	21.0	0.0	1364.2	217.4
3	1.01	-1.3	1.0	2779.0	122.28	61.14	0.0	21.0	190.4	2598.7	414.2
4	1.01	-0.6	1.0	3154.08	138.78	69.39	0.0	21.0	386.9	2771.8	441.8
5	1.01	0.1	1.0	3272.94	144.01	72.0	0.0	21.0	558.7	2713.2	432.4
6	1.01	0.9	1.0	3268.88	143.83	71.92	0.15	24.0	729.8	2522.9	1093.2
7	1.01	1.6	1.0	3368.12	148.2	74.1	0.15	24.0	888.2	2451.1	1080.0
8	3.02	3.0	3.0	10398.31	457.53	228.76	0.15	24.0	3464.0	6778.4	3135.8
9	10.06	7.7	10.2	40363.83	1776.01	888.0	0.15	24.0	16873.6	22286.9	10444.5
10	2.01	12.1	2.1	11282.58	496.43	248.22	0.15	24.0	3362.1	7527.1	2673.4
11	3.02	14.0	3.1	20425.57	898.73	449.36	0.15	24.0	4941.5	14793.9	4672.2
12	2.01	15.8	2.1	12419.19	546.44	273.22	0.15	24.0	3076.2	8876.7	2943.7
13	1.22	17.0	1.3	6787.11	298.63	149.32	0.15	24.0	1720.1	4785.1	1679.2
14	1.8	18.2	1.9	8652.8	380.72	190.36	0.15	24.0	2275.8	5963.0	2281.3
15	1.01	19.2	1.1	4424.27	194.67	97.33	0.15	24.0	1107.7	3082.3	1233.5
16	1.01	20.0	1.1	4370.11	192.28	96.14	0.15	24.0	963.2	3169.6	1252.8
17	1.01	20.7	1.1	4184.57	184.12	92.06	0.15	24.0	815.3	3129.8	1248.7
18	1.01	21.5	1.1	4435.12	195.15	97.57	0.15	24.0	651.9	3542.8	1328.6
19	1.01	22.3	1.1	4823.15	212.22	106.11	0.15	24.0	460.7	4124.6	1439.8
20	8.0	25.9	8.9	22891.01	1007.21	503.6	0.15	24.0	0.0	20883.4	9397.4

xc = 35.202 yc = 83.573 Rc = 78.346 Fs=2.183

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.89	-3.3	0.9	951.75	41.88	20.94	0.0	21.0	0.0	962.9	169.3
2	1.01	-2.6	1.0	2401.51	105.67	52.83	0.0	21.0	0.0	2423.0	426.1
3	1.01	-1.8	1.0	2817.74	123.98	61.99	0.0	21.0	205.1	2628.7	462.3
4	1.01	-1.1	1.0	2977.2	131.0	65.5	0.0	21.0	398.9	2587.5	455.0
5	1.01	-0.4	1.0	3010.23	132.45	66.23	0.0	21.0	591.6	2421.3	425.8
6	1.01	0.4	1.0	3146.16	138.43	69.22	0.15	24.0	771.3	2367.1	1174.3
7	3.02	1.9	3.0	9971.59	438.75	219.38	0.15	24.0	3239.4	6625.0	3426.7
8	8.88	6.2	8.9	34787.82	1530.66	765.33	0.15	24.0	15010.2	18807.8	9971.4
9	1.19	9.9	1.2	6329.4	278.49	139.25	0.15	24.0	2206.9	3901.0	1623.4
10	1.01	10.7	1.0	5804.57	255.4	127.7	0.15	24.0	1862.3	3734.5	1465.5
11	1.01	11.5	1.0	6573.2	289.22	144.61	0.15	24.0	1855.4	4484.8	1620.4
12	1.01	12.2	1.0	7194.62	316.56	158.28	0.15	24.0	1870.6	5070.0	1741.7
13	1.01	13.0	1.0	7212.47	317.35	158.67	0.15	24.0	1859.8	5090.0	1747.8
14	1.01	13.8	1.0	7036.13	309.59	154.79	0.15	24.0	1846.9	4922.4	1715.9
15	1.01	14.5	1.0	6776.94	298.19	149.09	0.15	24.0	1819.9	4688.1	1670.5
16	1.01	15.3	1.0	6499.87	285.99	143.0	0.15	24.0	1766.5	4462.4	1627.0
17	3.02	16.8	3.2	17258.47	759.37	379.69	0.15	24.0	4920.3	11524.2	4517.5
18	11.07	22.3	12.0	58573.82	2577.25	1288.62	0.15	24.0	7525.9	47804.1	17973.8
19	2.18	27.6	2.5	4070.19	179.09	89.54	0.15	24.0	0.0	3350.6	2375.6
20	2.23	29.5	2.6	2161.27	95.1	47.55	0.0	21.0	0.0	2257.9	397.1

xc = 36.893 yc = 85.165 Rc = 79.557 Fs=2.306

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.51	-4.3	0.5	316.38	13.92	6.96	0.0	21.0	0.0	321.3	53.5
2	1.01	-3.7	1.0	1522.87	67.01	33.5	0.0	21.0	0.0	1542.9	256.9
3	1.01	-3.0	1.0	1977.97	87.03	43.52	0.0	21.0	0.0	1998.3	332.7
4	1.01	-2.3	1.0	2176.59	95.77	47.88	0.0	21.0	0.0	2193.0	365.1
5	1.01	-1.6	1.0	2249.1	98.96	49.48	0.0	21.0	180.2	2079.2	346.1
6	1.01	-0.8	1.0	2418.87	106.43	53.22	0.0	21.0	381.4	2042.7	340.1
7	3.02	0.6	3.0	7998.01	351.91	175.96	0.15	24.0	2200.7	5765.2	3077.0
8	10.06	5.3	10.1	37648.02	1656.51	828.26	0.15	24.0	15444.2	21302.7	10687.5
9	2.01	9.7	2.0	11729.28	516.09	258.04	0.15	24.0	3597.2	7766.4	2827.8
10	3.02	11.6	3.1	21727.02	955.99	477.99	0.15	24.0	5626.5	15415.3	4980.9
11	2.01	13.4	2.1	13714.93	603.46	301.73	0.15	24.0	3758.1	9478.7	3176.1
12	1.64	14.8	1.7	10365.34	456.08	228.04	0.15	24.0	2983.8	6986.4	2455.6
13	1.37	15.9	1.4	7781.9	342.4	171.2	0.15	24.0	2382.0	5071.2	1908.3
14	1.01	16.8	1.1	5469.19	240.64	120.32	0.15	24.0	1657.7	3567.1	1372.5
15	1.01	17.5	1.1	5505.73	242.25	121.13	0.15	24.0	1560.9	3694.7	1399.9
16	1.01	18.3	1.1	5411.98	238.13	119.06	0.15	24.0	1461.3	3697.0	1403.3
17	1.01	19.1	1.1	5755.42	253.24	126.62	0.15	24.0	1346.8	4148.3	1493.6

18	1.01	19.8	1.16	237.57	274.45	137.23	0.15	24.0	1205.1	476	6.9 1616.3
19	1.01	20.6	1.16	038.96	265.71	132.86	0.15	24.0	1060.0	471	4.1 1609.6
20	10.8	25.3	11.93	9081.41	1719.58	859.79	0.15	24.0	0.0	3624	7.2 14767.7

xc = 21.674 yc = 86.757 Rc = 81.337 Fs=1.959

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.45	6.6	0.5	209.13	9.2	4.6	0.0	21.0	0.0	205.9	40.3
2	0.26	6.8	0.3	248.33	10.93	5.46	0.0	21.0	0.0	244.4	47.9
3	0.35	7.0	0.4	360.56	15.86	7.93	0.0	21.0	0.0	354.7	69.5
4	0.39	7.3	0.4	426.43	18.76	9.38	0.0	21.0	0.0	419.4	82.2
5	0.32	7.5	0.3	357.21	15.72	7.86	0.0	21.0	0.0	351.2	68.8
6	0.35	7.8	0.4	400.32	17.61	8.81	0.0	21.0	0.0	393.5	77.1
7	0.33	8.0	0.3	377.74	16.62	8.31	0.0	21.0	0.0	371.2	72.7
8	0.37	8.3	0.4	401.34	17.66	8.83	0.0	21.0	0.0	394.3	77.3
9	0.35	8.5	0.4	339.75	14.95	7.47	0.0	21.0	0.0	333.7	65.4
10	0.28	8.8	0.3	237.65	10.46	5.23	0.0	21.0	0.0	233.4	45.7
11	0.43	9.0	0.4	329.16	14.48	7.24	0.0	21.0	0.0	323.2	63.3
12	0.35	9.3	0.4	236.23	10.39	5.2	0.0	21.0	0.0	231.9	45.4
13	0.22	9.5	0.2	130.51	5.74	2.87	0.0	21.0	0.0	128.1	25.1
14	0.49	9.8	0.5	263.51	11.59	5.8	0.0	21.0	0.0	258.7	50.7
15	0.52	10.1	0.5	246.53	10.85	5.42	0.0	21.0	0.0	242.0	47.4
16	0.19	10.4	0.2	81.38	3.58	1.79	0.0	21.0	0.0	79.9	15.7
17	0.35	10.6	0.4	129.36	5.69	2.85	0.0	21.0	0.0	126.9	24.9
18	0.46	10.9	0.5	126.22	5.55	2.78	0.0	21.0	0.0	123.9	24.3
19	0.25	11.1	0.3	44.21	1.95	0.97	0.0	21.0	0.0	43.4	8.5
20	0.35	11.3	0.4	23.43	1.03	0.52	0.0	21.0	0.0	23.0	4.5

xc = 23.365 yc = 88.348 Rc = 83.258 Fs=1.537

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.89	5.1	0.9	846.07	37.23	18.61	0.0	21.0	0.0	830.9	207.6
2	1.01	5.7	1.0	2024.94	89.1	44.55	0.0	21.0	0.0	1985.3	495.9
3	1.01	6.4	1.0	2169.48	95.46	47.73	0.0	21.0	0.0	2123.4	530.4
4	1.01	7.1	1.0	2058.26	90.56	45.28	0.0	21.0	0.0	2011.4	502.5
5	1.01	7.8	1.0	1821.5	80.15	40.07	0.0	21.0	0.0	1777.6	444.1
6	1.01	8.5	1.0	1682.44	74.03	37.01	0.0	21.0	0.0	1639.8	409.6

7	1.01	9.2	1.0	1557.22	68.52	34.26	0.0	21.0	5.1	1511.2	377.5
8	2.01	10.3	2.0	2278.13	100.24	50.12	0.0	21.0	15.4	2200.0	549.6
9	1.01	11.3	1.0	686.04	30.19	15.09	0.0	21.0	0.0	666.3	166.5
10	1.01	12.1	1.0	465.72	20.49	10.25	0.0	21.0	0.0	452.1	112.9
11	1.01	12.8	1.0	351.5	15.47	7.73	0.0	21.0	0.0	341.1	85.2
12	1.01	13.5	1.0	278.04	12.23	6.12	0.0	21.0	0.0	269.8	67.4
13	1.01	14.2	1.0	310.28	13.65	6.83	0.0	21.0	0.0	301.0	75.2
14	1.01	14.9	1.0	475.89	20.94	10.47	0.0	21.0	0.0	461.8	115.4
15	1.01	15.6	1.0	616.41	27.12	13.56	0.0	21.0	0.0	598.3	149.5
16	3.02	17.1	3.2	1709.63	75.22	37.61	0.0	21.0	0.0	1661.0	414.9
17	2.05	18.9	2.2	1097.19	48.28	24.14	0.0	21.0	0.0	1068.3	266.9
18	0.97	20.0	1.0	1292.3	56.86	28.43	0.0	21.0	0.0	1260.6	314.9
19	1.01	20.7	1.1	1087.93	47.87	23.93	0.0	21.0	0.0	1062.7	265.5
20	1.74	21.7	1.9	690.0	30.36	15.18	0.0	21.0	0.0	675.5	168.8

xc = 30.129 yc = 88.348 Rc = 83.534 Fs=2.504

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.82	-0.2	0.8	323.61	14.24	7.12	0.0	21.0	96.9	226.9	34.8
2	1.01	0.4	1.0	1944.44	85.56	42.78	0.0	21.0	299.4	1643.4	251.9
3	1.01	1.1	1.0	3289.68	144.75	72.37	0.0	21.0	466.4	2815.6	431.6
4	1.01	1.8	1.0	3587.64	157.86	78.93	0.0	21.0	621.3	2953.8	452.8
5	1.01	2.5	1.0	3633.48	159.87	79.94	0.15	24.0	751.9	2836.7	1107.6
6	1.01	3.1	1.0	3558.63	156.58	78.29	0.15	24.0	882.3	2621.6	1069.7
7	1.01	3.8	1.0	3581.48	157.59	78.79	0.15	24.0	1000.5	2516.3	1051.4
8	3.02	5.2	3.0	10587.73	465.86	232.93	0.15	24.0	3563.7	6777.2	3020.6
9	8.5	9.2	8.6	29162.53	1283.15	641.58	0.15	24.0	12347.9	15743.8	7954.9
10	1.57	12.7	1.6	6736.33	296.4	148.2	0.15	24.0	2131.0	4330.4	1731.3
11	1.01	13.6	1.0	4726.05	207.95	103.97	0.15	24.0	1294.7	3240.8	1196.3
12	1.01	14.3	1.0	5393.81	237.33	118.66	0.15	24.0	1234.7	3954.1	1325.1
13	1.01	15.0	1.0	5915.12	260.27	130.13	0.15	24.0	1197.2	4502.5	1424.6
14	1.01	15.8	1.0	5833.62	256.68	128.34	0.15	24.0	1134.1	4481.5	1423.0
15	1.01	16.5	1.0	5558.64	244.58	122.29	0.15	24.0	1069.3	4271.1	1387.9
16	1.01	17.2	1.1	5201.51	228.87	114.43	0.15	24.0	990.7	3992.9	1340.8
17	1.01	17.9	1.1	4827.11	212.39	106.2	0.15	24.0	886.1	3723.0	1295.4
18	3.02	19.4	3.2	11661.77	513.12	256.56	0.15	24.0	1974.7	9029.9	3522.3
19	8.78	23.8	9.6	27780.37	1222.34	611.17	0.15	24.0	0.025	803.0	10336.7
20	2.04	27.9	2.3	1160.43	51.06	25.53	0.0	21.0	0.0	1214.2	186.1

xc = 31.82 yc = 86.757 Rc = 81.819 Fs=2.432

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.53	-1.3	0.5	140.59	6.19	3.09	0.0	21.0	5.0	136.1	21.5
2	1.01	-0.8	1.01	703.32	74.95	37.47	0.0	21.0	169.1	1537.7	242.7
3	1.01	-0.1	1.03	086.79	135.82	67.91	0.0	21.0	356.8	2730.7	431.0
4	1.01	0.6	1.0	3422.5	150.59	75.3	0.0	21.0	532.0	2885.7	455.5
5	1.01	1.3	1.03	502.51	154.11	77.06	0.0	21.0	682.8	2810.2	443.6
6	1.01	2.0	1.03	465.23	152.47	76.23	0.15	24.0	833.2	2594.9	1096.0
7	1.01	2.7	1.03	525.51	155.12	77.56	0.15	24.0	971.0	2505.9	1080.0
8	3.02	4.1	3.01	0640.89	468.2	234.1	0.15	24.0	3591.7	6841.7	3119.2
9	10.06	8.8	10.23	8797.36	1707.08	853.54	0.15	24.0	16049.1	21442.9	10204.8
10	2.01	13.1	2.11	0556.29	464.48	232.24	0.15	24.0	2979.8	7177.2	2588.1
11	2.01	14.5	2.11	2771.06	561.93	280.96	0.15	24.0	2874.2	9443.7	3010.9
12	2.01	16.0	2.11	1798.91	519.15	259.58	0.15	24.0	2658.4	8683.1	2880.6
13	2.01	17.4	2.11	0427.6	458.81	229.41	0.15	24.0	2354.4	7615.4	2695.2
14	2.01	18.9	2.18	511.83	374.52	187.26	0.15	24.0	1911.8	6141.8	2436.5
15	2.01	20.4	2.17	315.57	321.89	160.94	0.15	24.0	1351.4	5496.4	2330.7
16	2.01	21.9	2.26	448.33	283.73	141.86	0.15	24.0	670.0	5299.7	2308.3
17	2.01	23.5	2.27	876.38	346.56	173.28	0.15	24.0	0.0	7410.2	2709.6
18	2.01	25.0	2.26	937.11	305.23	152.62	0.15	24.0	0.0	6463.9	2552.9
19	1.89	26.5	2.13	720.05	163.68	81.84	0.15	24.0	0.0	3213.4	1891.8
20	2.09	28.1	2.41	952.69	85.92	42.96	0.0	21.0	0.0	2041.5	322.2

xc = 33.511 yc = 88.348 Rc = 83.03 Fs=2.468

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.89	-1.9	0.9	935.14	41.15	20.57	0.0	21.0	0.0	940.5	146.3
2	1.01	-1.3	1.02	341.62	103.03	51.52	0.0	21.0	0.0	2350.2	365.5
3	1.01	-0.6	1.0	2715.6	119.49	59.74	0.0	21.0	149.9	2569.7	399.6
4	1.01	0.1	1.02	834.22	124.71	62.35	0.0	21.0	321.6	2511.7	390.6
5	1.01	0.8	1.02	827.76	124.42	62.21	0.0	21.0	493.0	2329.8	362.3
6	1.01	1.5	1.02	919.59	128.46	64.23	0.15	24.0	652.1	2241.3	1015.9
7	3.02	2.9	3.09	069.21	399.05	199.52	0.15	24.0	2764.5	6162.8	2948.3
8	8.05	6.8	8.12	6591.91	1170.04	585.02	0.15	24.0	11379.9	14426.7	7527.8
9	3.02	10.6	3.11	4386.15	632.99	316.5	0.15	24.0	4632.3	9260.9	3536.6
10	2.01	12.4	2.11	3032.79	573.44	286.72	0.15	24.0	3018.6	9597.8	2983.1
11	2.01	13.8	2.11	3037.43	573.65	286.82	0.15	24.0	2988.2	9612.7	2993.1
12	2.01	15.2	2.11	1944.93	525.58	262.79	0.15	24.0	2826.6	8678.9	2832.9
13	1.52	16.5	1.68	098.15	356.32	178.16	0.15	24.0	1971.4	5794.5	2009.7
14	1.5	17.6	1.66	874.34	302.47	151.24	0.15	24.0	1745.4	4803.3	1820.5

15	1.01	18.5	1.1	4293.32	188.91	94.45	0.15	24.0	1038.8	3033.0	1191.8
16	1.01	19.2	1.1	4266.38	187.72	93.86	0.15	24.0	908.6	3133.1	1212.7
17	1.01	20.0	1.1	4109.47	180.82	90.41	0.15	24.0	775.8	3106.9	1211.0
18	1.01	20.7	1.1	4390.12	193.17	96.58	0.15	24.0	628.2	3533.7	1291.1
19	1.01	21.5	1.1	4809.79	211.63	105.82	0.15	24.0	453.6	4129.6	1401.9
20	8.32	25.0	9.2	24420.07	1074.48	537.24	0.15	24.0	0.0	22455.4	9627.1

xc = 35.202 yc = 86.757 Rc = 81.294 Fs=2.405

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.71	-3.1	0.7	607.96	26.75	13.38	0.0	21.0	0.0	614.1	98.0
2	1.01	-2.5	1.0	1968.07	86.6	43.3	0.0	21.0	0.0	1983.6	316.6
3	1.01	-1.8	1.0	2381.69	104.79	52.4	0.0	21.0	0.0	2394.6	382.2
4	1.01	-1.1	1.0	2539.42	111.73	55.87	0.0	21.0	162.2	2384.6	380.6
5	1.01	-0.3	1.0	2571.6	113.15	56.58	0.0	21.0	354.5	2219.3	354.2
6	1.01	0.4	1.0	2701.55	118.87	59.43	0.0	21.0	534.2	2165.1	345.6
7	3.02	1.8	3.0	8628.27	379.64	189.82	0.15	24.0	2532.4	6005.6	2995.2
8	10.06	6.4	10.1	37270.26	1639.89	819.95	0.15	24.0	15245.4	21015.8	10205.0
9	2.01	10.7	2.0	11225.26	493.91	246.96	0.15	24.0	3331.9	7528.1	2670.8
10	2.01	12.2	2.1	13771.83	605.96	302.98	0.15	24.0	3400.9	9936.0	3123.1
11	2.01	13.6	2.1	13136.17	577.99	289.0	0.15	24.0	3362.2	9325.7	3017.6
12	2.01	15.1	2.1	12106.85	532.7	266.35	0.15	24.0	3238.3	8415.0	2857.5
13	3.02	16.9	3.2	15329.28	674.49	337.24	0.15	24.0	4335.7	10311.7	3876.6
14	2.01	18.8	2.1	9903.25	435.74	217.87	0.15	24.0	2387.7	7044.0	2629.6
15	2.01	20.3	2.1	11149.34	490.57	245.29	0.15	24.0	1838.4	8828.0	2972.2
16	2.01	21.8	2.2	10228.78	450.07	225.03	0.15	24.0	1167.7	8582.9	2940.6
17	3.02	23.7	3.3	12876.26	566.56	283.28	0.15	24.0	255.8	11912.7	4261.7
18	2.28	25.8	2.5	6626.45	291.56	145.78	0.15	24.0	0.0	6055.2	2699.3
19	1.28	27.2	1.4	1716.17	75.51	37.76	0.15	24.0	0.0	1341.5	1144.4
20	2.24	28.6	2.5	2214.06	97.42	48.71	0.15	24.0	0.0	1503.8	1867.4

xc = 36.893 yc = 88.348 Rc = 82.505 Fs=2.323

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.34	-4.1	0.3	137.49	6.05	3.02	0.0	21.0	0.0	139.5	23.0
2	1.01	-3.6	1.0	1095.47	48.2	24.1	0.0	21.0	0.0	1109.2	183.3
3	1.01	-2.9	1.0	1546.6	68.05	34.03	0.0	21.0	0.0	1561.7	258.1

4	1.01	-2.2	1.0	1742.1	76.65	38.33	0.0	21.0	0.0	1754.6	289.9
5	1.01	-1.5	1.0	1812.35	79.74	39.87	0.0	21.0	0.0	1820.9	300.9
6	1.01	-0.8	1.0	1980.72	87.15	43.58	0.0	21.0	144.6	1840.6	304.1
7	3.02	0.6	3.0	6663.0	293.17	146.59	0.0	21.0	1489.7	5164.9	853.4
8	10.06	5.1	10.1	33377.4	1468.61	734.3	0.15	24.0	13196.5	19342.0	10230.1
9	3.02	9.7	3.1	18412.15	810.13	405.07	0.15	24.0	4878.2	12966.9	4462.6
10	2.01	11.5	2.1	13881.06	610.77	305.38	0.15	24.0	3432.2	10003.3	3243.1
11	2.01	12.9	2.1	13117.77	577.18	288.59	0.15	24.0	3443.9	9214.3	3099.1
12	3.02	14.7	3.1	17389.56	765.14	382.57	0.15	24.0	4989.3	11702.4	4258.0
13	2.01	16.5	2.1	10474.32	460.87	230.44	0.15	24.0	3013.9	6982.6	2693.7
14	2.01	18.0	2.1	10196.94	448.67	224.33	0.15	24.0	2642.9	7059.2	2719.2
15	2.01	19.5	2.1	12233.84	538.29	269.14	0.15	24.0	2181.1	9529.5	3204.6
16	2.01	21.0	2.2	11924.66	524.68	262.34	0.15	24.0	1577.4	9826.0	3274.7
17	3.02	22.8	3.3	13779.18	606.28	303.14	0.15	24.0	1004.6	12001.9	4415.2
18	2.49	24.9	2.8	7626.09	335.55	167.77	0.15	24.0	0.0	6963.9	3110.4
19	1.33	26.4	1.5	3497.79	153.9	76.95	0.15	24.0	0.0	3130.6	1560.0
20	2.28	27.8	2.6	2637.13	116.03	58.02	0.15	24.0	0.0	1908.5	2033.7

xc = 23.365 yc = 91.532 Rc = 86.376 Fs=1.482

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.85	4.9	0.8	760.04	33.44	16.72	0.0	21.0	0.0	746.2	193.2
2	1.01	5.5	1.0	1931.49	84.99	42.49	0.0	21.0	0.0	1893.0	490.2
3	1.01	6.2	1.0	2083.32	91.67	45.83	0.0	21.0	0.0	2038.2	527.8
4	1.01	6.9	1.0	1980.27	87.13	43.57	0.0	21.0	0.0	1934.2	500.9
5	1.01	7.5	1.0	1752.53	77.11	38.56	0.0	21.0	0.0	1709.2	442.6
6	1.01	8.2	1.0	1623.38	71.43	35.71	0.0	21.0	0.0	1581.1	409.4
7	1.01	8.9	1.0	1508.96	66.39	33.2	0.0	21.0	0.0	1467.8	380.1
8	2.01	9.9	2.0	2217.49	97.57	48.78	0.0	21.0	0.0	2153.6	557.7
9	1.01	10.9	1.0	675.77	29.73	14.87	0.0	21.0	0.0	655.5	169.7
10	1.01	11.6	1.0	470.02	20.68	10.34	0.0	21.0	0.0	455.6	118.0
11	1.01	12.3	1.0	371.37	16.34	8.17	0.0	21.0	0.0	359.8	93.2
12	1.01	13.0	1.0	314.47	13.84	6.92	0.0	21.0	0.0	304.5	78.9
13	1.01	13.7	1.0	364.29	16.03	8.01	0.0	21.0	0.0	352.7	91.3
14	1.01	14.4	1.0	548.56	24.14	12.07	0.0	21.0	0.0	531.0	137.5
15	1.01	15.0	1.0	708.81	31.19	15.59	0.0	21.0	0.0	686.2	177.7
16	3.02	16.4	3.1	2115.44	93.08	46.54	0.0	21.0	0.0	2049.0	530.6
17	3.02	18.5	3.2	3620.51	159.3	79.65	0.0	21.0	0.0	3513.5	909.9
18	1.01	19.9	1.1	1351.77	59.48	29.74	0.0	21.0	0.0	1314.5	340.4
19	1.09	20.7	1.2	980.72	43.15	21.58	0.0	21.0	0.0	954.9	247.3
20	1.27	21.5	1.4	424.24	18.67	9.33	0.0	21.0	0.0	413.8	107.2

xc = 25.056 yc = 89.94 Rc = 84.912 Fs=1.298

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.12	3.4	0.1	6.55	0.29	0.14	0.0	21.0	0.0	6.5	1.9
2	1.01	3.8	1.01	201.44	52.86	26.43	0.0	21.0	0.0	1180.9	349.3
3	1.01	4.5	1.02	434.83	107.13	53.57	0.0	21.0	4.4	2382.7	704.9
4	1.01	5.2	1.02	621.09	115.33	57.66	0.0	21.0	98.8	2466.6	729.7
5	1.01	5.8	1.02	552.22	112.3	56.15	0.0	21.0	169.1	2325.1	687.8
6	1.01	6.5	1.02	358.43	103.77	51.89	0.0	21.0	239.3	2063.1	610.3
7	1.01	7.2	1.02	262.98	99.57	49.79	0.0	21.0	297.2	1910.0	565.0
8	3.02	8.6	3.15	927.68	260.82	130.41	0.0	21.0	1092.2	4681.2	1384.8
9	4.02	11.0	4.15	016.67	220.73	110.37	0.0	21.0	1505.2	3382.7	1000.7
10	1.01	12.7	1.01	266.37	55.72	27.86	0.0	21.0	276.4	951.3	281.4
11	1.08	13.5	1.11	602.39	70.51	35.25	0.0	21.0	240.6	1307.7	386.9
12	0.93	14.2	1.01	555.91	68.46	34.23	0.0	21.0	133.1	1365.5	403.9
13	1.01	14.8	1.01	852.15	81.49	40.75	0.0	21.0	71.3	1708.4	505.4
14	2.01	15.9	2.1	2943.0	129.49	64.75	0.0	21.0	0.0	2822.3	834.9
15	1.01	16.9	1.11	779.28	78.29	39.14	0.0	21.0	0.0	1706.2	504.8
16	1.01	17.7	1.12	331.32	102.58	51.29	0.0	21.0	0.0	2236.0	661.5
17	1.01	18.4	1.12	736.73	120.42	60.21	0.0	21.0	0.0	2625.7	776.8
18	1.01	19.1	1.12	539.12	111.72	55.86	0.0	21.0	0.0	2437.3	721.0
19	1.01	19.8	1.12	147.68	94.5	47.25	0.0	21.0	0.0	2062.9	610.3
20	3.53	21.4	3.83	594.08	158.14	79.07	0.0	21.0	0.0	3459.4	1023.4

xc = 31.82 yc = 89.94 Rc = 84.767 Fs=2.508

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.09	-1.1	0.1	4.47	0.2	0.1	0.0	21.0	0.0	4.5	0.7
2	1.01	-0.8	1.01	265.09	55.66	27.83	0.0	21.0	0.0	1267.8	194.0
3	1.01	-0.1	1.02	648.06	116.51	58.26	0.0	21.0	119.6	2529.0	387.0
4	1.01	0.6	1.02	984.07	131.3	65.65	0.0	21.0	295.0	2684.9	410.9
5	1.01	1.3	1.03	065.18	134.87	67.43	0.0	21.0	446.4	2610.5	399.5
6	1.01	2.0	1.03	021.65	132.95	66.48	0.0	21.0	597.8	2412.7	369.2
7	1.01	2.6	1.03	081.11	135.57	67.78	0.15	24.0	737.1	2300.0	1010.5
8	3.02	4.0	3.09	331.88	410.6	205.3	0.15	24.0	2902.7	6240.9	2917.1
9	10.06	8.5	10.23	4931.92	1537.0	768.5	0.15	24.0	14014.7	19721.6	9583.4
10	2.01	12.6	2.19	943.52	437.52	218.76	0.15	24.0	2657.3	6916.0	2460.6
11	2.01	14.0	2.11	2227.7	538.02	269.01	0.15	24.0	2588.2	9217.5	2876.2

12	2.01	15.4	2.11	1333.58	498.68	249.34	0.15	24.0	2413.58	493.3	2755.7
13	2.01	16.8	2.11	0049.43	442.17	221.09	0.15	24.0	2155.47	466.2	2582.3
14	2.01	18.2	2.18	230.53	362.14	181.07	0.15	24.0	1763.76	038.1	2338.8
15	2.01	19.7	2.17	141.48	314.23	157.11	0.15	24.0	1259.85	443.9	2244.3
16	3.02	21.5	3.21	0973.14	482.82	241.41	0.15	24.0	728.29	577.3	3640.0
17	2.01	23.3	2.27	061.32	310.7	155.35	0.15	24.0	0.06	618.3	2485.3
18	1.16	24.5	1.33	742.72	164.68	82.34	0.15	24.0	0.03	484.0	1380.4
19	1.86	25.6	2.13	839.81	168.95	84.48	0.15	24.0	0.03	379.5	1832.9
20	2.31	27.2	2.62	366.26	104.12	52.06	0.0	21.0	0.02	466.7	377.5

xc = 33.511 yc = 91.532 Rc = 85.978 Fs=2.436

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.71	-1.8	0.7	588.04	25.87	12.94	0.0	21.0	0.0	591.2	93.2
2	1.01	-1.2	1.01	904.15	83.78	41.89	0.0	21.0	0.01	910.9	301.2
3	1.01	-0.5	1.02	277.13	100.19	50.1	0.0	21.0	0.02	280.6	359.4
4	1.01	0.1	1.02	395.49	105.4	52.7	0.0	21.0	84.42	310.2	364.1
5	1.01	0.8	1.02	389.58	105.14	52.57	0.0	21.0	256.12	129.0	335.5
6	1.01	1.5	1.02	482.72	109.24	54.62	0.0	21.0	416.02	059.1	324.5
7	3.02	2.8	3.07	738.53	340.5	170.25	0.15	24.0	2064.15	540.0	2873.9
8	8.84	6.8	8.92	6724.99	1175.9	587.95	0.15	24.0	10817.51	5039.48	234.5
9	1.22	10.2	1.25	312.84	233.76	116.88	0.15	24.0	1635.93	484.7	1398.8
10	1.01	10.9	1.04	826.39	212.36	106.18	0.15	24.0	1347.53	304.7	1235.2
11	1.01	11.6	1.05	589.81	245.95	122.98	0.15	24.0	1337.94	058.4	1374.5
12	1.01	12.3	1.06	208.32	273.17	136.58	0.15	24.0	1351.54	647.5	1483.8
13	1.01	13.0	1.06	225.62	273.93	136.96	0.15	24.0	1340.44	670.0	1489.6
14	1.01	13.7	1.06	051.09	266.25	133.12	0.15	24.0	1328.54	504.9	1461.2
15	1.01	14.4	1.05	796.14	255.03	127.52	0.15	24.0	1303.64	273.6	1420.9
16	1.01	15.1	1.05	525.76	243.13	121.57	0.15	24.0	1253.84	052.0	1382.4
17	3.02	16.5	3.11	4399.29	633.57	316.78	0.15	24.0	3415.51	0323.1	3825.4
18	11.07	21.5	11.94	9861.12	2193.89	1096.95	0.15	24.0	2940.24	4350.11	5431.5
19	1.86	26.1	2.12	805.57	123.45	61.72	0.15	24.0	0.02	294.9	1692.3
20	2.2	27.6	2.51	130.02	49.72	24.86	0.0	21.0	0.01	178.3	185.7

xc = 35.202 yc = 89.94 Rc = 84.241 Fs=2.464

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.53	-2.9	0.5	340.15	14.97	7.48	0.0	21.0	0.0	343.3	53.5
2	1.01	-2.4	1.0	1534.27	67.51	33.75	0.0	21.0	0.0	1545.6	240.8
3	1.01	-1.7	1.0	1945.48	85.6	42.8	0.0	21.0	0.0	1955.4	304.7
4	1.01	-1.0	1.0	2101.59	92.47	46.23	0.0	21.0	0.0	2107.7	328.4
5	1.01	-0.3	1.0	2132.95	93.85	46.93	0.0	21.0	117.4	2017.4	314.3
6	1.01	0.4	1.0	2262.93	99.57	49.78	0.0	21.0	297.2	1963.9	306.0
7	3.02	1.7	3.0	7284.43	320.51	160.26	0.15	24.0	1825.1	5377.3	2810.3
8	10.06	6.2	10.1	33105.97	1456.66	728.33	0.15	24.0	13053.7	19126.5	9618.1
9	2.01	10.3	2.0	10516.73	462.74	231.37	0.15	24.0	2959.0	7217.5	2549.6
10	2.01	11.7	2.1	13119.83	577.27	288.64	0.15	24.0	3057.7	9654.7	2996.0
11	3.02	13.5	3.1	18660.35	821.06	410.53	0.15	24.0	4580.4	13443.5	4319.2
12	1.25	15.0	1.3	7048.09	310.12	155.06	0.15	24.0	1804.8	4976.0	1688.6
13	1.77	16.0	1.8	8806.77	387.5	193.75	0.15	24.0	2394.3	6036.9	2209.6
14	1.01	17.0	1.1	4717.44	207.57	103.78	0.15	24.0	1262.0	3238.4	1225.9
15	1.01	17.7	1.1	4745.89	208.82	104.41	0.15	24.0	1161.0	3363.7	1251.0
16	1.01	18.5	1.1	4645.5	204.4	102.2	0.15	24.0	1057.9	3363.7	1253.7
17	1.01	19.2	1.1	4983.84	219.29	109.64	0.15	24.0	940.7	3815.3	1338.1
18	1.01	19.9	1.1	5462.41	240.35	120.17	0.15	24.0	797.1	4435.6	1453.1
19	1.01	20.6	1.1	5261.83	231.52	115.76	0.15	24.0	651.0	4382.2	1446.5
20	10.16	24.8	11.2	31699.41	1394.77	697.39	0.15	24.0	0.0	29323.4	12112.6

xc = 36.893 yc = 91.532 Rc = 85.452 Fs=2.396

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.16	-3.9	0.2	31.76	1.4	0.7	0.0	21.0	0.0	32.2	5.2
2	1.01	-3.5	1.0	667.26	29.36	14.68	0.0	21.0	0.0	675.1	108.1
3	1.01	-2.8	1.0	1114.7	49.05	24.52	0.0	21.0	0.0	1124.9	180.2
4	1.01	-2.1	1.0	1307.32	57.52	28.76	0.0	21.0	0.0	1316.1	210.8
5	1.01	-1.5	1.0	1375.45	60.52	30.26	0.0	21.0	0.0	1381.5	221.3
6	1.01	-0.8	1.0	1542.5	67.87	33.94	0.0	21.0	0.0	1546.0	247.7
7	3.02	0.6	3.0	5347.57	235.29	117.65	0.0	21.0	778.6	4562.0	730.8
8	11.07	5.3	11.1	35309.67	1553.63	776.81	0.15	24.0	12458.5	21925.4	11031.4
9	2.01	9.7	2.0	12820.19	564.09	282.04	0.15	24.0	2906.7	9535.6	3049.6
10	2.01	11.1	2.1	13202.13	580.89	290.45	0.15	24.0	3074.8	9714.6	3088.5
11	2.01	12.5	2.1	12498.82	549.95	274.97	0.15	24.0	3118.1	8954.2	2953.7
12	3.02	14.2	3.1	16590.57	729.99	364.99	0.15	24.0	4568.8	11372.8	4062.0
13	2.01	15.9	2.1	10041.33	441.82	220.91	0.15	24.0	2786.0	6809.8	2575.3
14	2.01	17.4	2.1	9853.97	433.57	216.79	0.15	24.0	2462.4	6929.3	2607.2
15	2.01	18.8	2.1	11990.68	527.59	263.79	0.15	24.0	2053.2	9447.1	3085.7
16	2.28	20.3	2.4	13246.15	582.83	291.42	0.15	24.0	1677.6	11014.4	3569.5
17	1.74	21.7	1.9	8144.23	358.35	179.17	0.15	24.0	701.8	7023.7	2479.4
18	1.01	22.7	1.1	4285.23	188.55	94.28	0.15	24.0	139.4	3904.9	1408.4
19	1.27	23.6	1.4	4601.45	202.46	101.23	0.15	24.0	0.0	4293.1	1666.8

20	5.14	26.0	5.71	1909.15	524.0	262.0	0.15	24.0	0.0	1054	8.5 5539.8

xc = 50.421 yc = 91.532 Rc = 81.162 Fs=2.487

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.4	0.5	0.4	123.59	5.44	2.72	0.0	21.0	0.0	123.4	19.0
2	1.01	1.0	1.0	826.28	36.36	18.18	0.0	21.0	0.0	824.2	127.2
3	1.01	1.7	1.01	219.85	53.67	26.84	0.0	21.0	0.0	1214.8	187.5
4	1.01	2.4	1.01	422.64	62.6	31.3	0.0	21.0	0.0	1414.7	218.3
5	1.01	3.1	1.01	546.31	68.04	34.02	0.0	21.0	0.0	1535.7	237.0
6	1.01	3.8	1.01	655.96	72.86	36.43	0.0	21.0	0.0	1642.7	253.5
7	3.02	5.3	3.0	5080.1	223.52	111.76	0.0	21.0	0.0	5030.1	776.3
8	3.23	7.5	3.37	176.08	315.75	157.87	0.15	24.0	0.0	6819.6	3185.5
9	0.79	8.9	0.82	606.95	114.71	57.35	0.15	24.0	0.0	2492.8	931.2
10	1.01	9.6	1.04	007.55	176.33	88.17	0.15	24.0	31.4	3813.6	1298.0
11	1.01	10.3	1.04	181.39	183.98	91.99	0.15	24.0	82.3	3926.7	1319.6
12	1.01	11.0	1.04	451.19	195.85	97.93	0.15	24.0	120.1	4147.7	1360.6
13	1.01	11.7	1.04	658.57	204.98	102.49	0.15	24.0	132.6	4332.9	1395.3
14	2.01	12.8	2.18	391.98	369.25	184.62	0.15	24.0	276.4	7725.2	2627.4
15	1.01	13.9	1.04	235.79	186.37	93.19	0.15	24.0	113.4	3918.4	1326.5
16	1.27	14.7	1.35	013.93	220.61	110.31	0.15	24.0	91.7	4661.4	1628.0
17	1.22	15.7	1.34	109.74	180.83	90.41	0.15	24.0	9.4	3850.9	1454.0
18	0.68	16.3	0.72	404.18	105.78	52.89	0.15	24.0	0.0	2260.9	833.9
19	0.82	16.9	0.93	122.25	137.38	68.69	0.15	24.0	0.0	2946.5	1042.1
20	5.68	19.3	6.04	1488.39	1825.49	912.74	0.15	24.0	0.04	0170.3	10823.4

xc = 52.112 yc = 89.94 Rc = 78.965 Fs=2.502

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.86	0.6	0.9	157.87	6.95	3.47	0.0	21.0	0.0	157.6	24.2
2	1.01	1.2	1.0	394.6	17.36	8.68	0.0	21.0	0.0	393.4	60.4
3	1.01	2.0	1.0	555.95	24.46	12.23	0.0	21.0	0.0	553.4	84.9
4	1.01	2.7	1.0	702.7	30.92	15.46	0.0	21.0	0.0	698.4	107.2
5	1.01	3.4	1.0	797.57	35.09	17.55	0.0	21.0	0.0	791.7	121.5
6	2.01	4.5	2.01	482.61	65.23	32.62	0.0	21.0	0.0	1469.4	225.4
7	1.01	5.6	1.0	984.49	43.32	21.66	0.0	21.0	0.0	974.5	149.5
8	1.01	6.4	1.01	401.81	61.68	30.84	0.0	21.0	0.0	1386.8	212.8

9	1.01	7.1	1.01	692.39	74.47	37.23	0.0	21.0	0.0	1673.5	256.7
10	1.01	7.8	1.02	429.38	106.89	53.45	0.15	24.0	0.0	2311.8	1020.3
11	1.01	8.6	1.03	313.41	145.79	72.9	0.15	24.0	0.0	3173.7	1174.8
12	1.01	9.3	1.03	520.56	154.9	77.45	0.15	24.0	0.0	3369.0	1210.8
13	1.01	10.1	1.03	823.22	168.22	84.11	0.15	24.0	0.0	3658.7	1263.7
14	3.02	11.5	3.11	1518.2	506.8	253.4	0.15	24.0	0.0	10979.6	3800.8
15	4.18	14.2	4.31	3828.34	608.45	304.22	0.15	24.0	0.0	13022.3	4904.3
16	0.82	16.1	0.82	814.16	123.82	61.91	0.15	24.0	0.0	2646.0	980.4
17	1.29	16.9	1.33	919.49	172.46	86.23	0.15	24.0	0.0	3653.4	1458.0
18	1.37	17.9	1.43	916.53	172.33	86.16	0.15	24.0	0.0	3628.8	1507.3
19	1.37	19.0	1.41	5583.43	685.67	342.84	0.15	24.0	0.0	15247.5	3580.1
20	1.37	20.0	1.51	3329.23	586.49	293.24	0.15	24.0	0.0	13023.9	3190.1

xc = 53.803 yc = 91.532 Rc = 78.66 Fs=1.637

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.46	7.2	0.5	44.1	1.94	0.97	0.0	21.0	0.0	43.2	10.1
2	0.55	7.5	0.6	159.49	7.02	3.51	0.0	21.0	0.0	156.0	36.6
3	0.37	7.9	0.4	154.49	6.8	3.4	0.0	21.0	0.0	151.1	35.4
4	0.63	8.2	0.6	287.86	12.67	6.33	0.0	21.0	0.0	281.3	66.0
5	0.29	8.6	0.3	165.45	7.28	3.64	0.0	21.0	0.0	161.6	37.9
6	0.46	8.9	0.5	362.42	15.95	7.97	0.0	21.0	0.0	353.9	83.0
7	0.25	9.1	0.3	249.35	10.97	5.49	0.0	21.0	0.0	243.4	57.1
8	0.67	9.5	0.7	705.22	31.03	15.51	0.0	21.0	0.0	688.0	161.4
9	0.33	9.8	0.3	345.18	15.19	7.59	0.0	21.0	0.0	336.6	79.0
10	0.59	10.2	0.6	545.25	23.99	12.0	0.0	21.0	0.0	531.6	124.7
11	0.46	10.6	0.5	345.55	15.2	7.6	0.0	21.0	0.0	336.8	79.0
12	0.46	10.9	0.5	331.67	14.59	7.3	0.0	21.0	0.0	323.2	75.8
13	0.5	11.3	0.5	387.46	17.05	8.52	0.0	21.0	0.0	377.4	88.5
14	0.42	11.6	0.4	343.45	15.11	7.56	0.0	21.0	0.0	334.5	78.5
15	0.58	12.0	0.6	483.51	21.27	10.64	0.0	21.0	0.0	470.8	110.4
16	0.34	12.3	0.3	266.57	11.73	5.86	0.0	21.0	0.0	259.6	60.9
17	0.46	12.6	0.5	300.33	13.21	6.61	0.0	21.0	0.0	292.4	68.6
18	0.47	13.0	0.5	231.3	10.18	5.09	0.0	21.0	0.0	225.2	52.8
19	0.45	13.3	0.5	140.7	6.19	3.1	0.0	21.0	0.0	137.0	32.1
20	0.46	13.7	0.5	48.69	2.14	1.07	0.0	21.0	0.0	47.4	11.1

xc = 55.494 yc = 89.94 Rc = 76.467 Fs=1.752

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.28	7.8	0.3	24.06	1.06	0.53	0.0	21.0	0.0	23.6	5.2
2	0.35	8.1	0.4	95.77	4.21	2.11	0.0	21.0	0.0	93.8	20.6
3	0.21	8.3	0.2	81.49	3.59	1.79	0.0	21.0	0.0	79.8	17.5
4	0.28	8.5	0.3	107.07	4.71	2.36	0.0	21.0	0.0	104.8	23.0
5	0.28	8.7	0.3	106.8	4.7	2.35	0.0	21.0	0.0	104.5	22.9
6	0.23	8.9	0.2	87.31	3.84	1.92	0.0	21.0	0.0	85.4	18.7
7	0.33	9.1	0.3	108.25	4.76	2.38	0.0	21.0	0.0	105.9	23.2
8	0.28	9.3	0.3	66.27	2.92	1.46	0.0	21.0	0.0	64.8	14.2
9	0.28	9.5	0.3	42.07	1.85	0.93	0.0	21.0	0.0	41.1	9.0
10	0.28	9.8	0.3	20.77	0.91	0.46	0.0	21.0	0.0	20.3	4.4
11	0.28	10.0	0.3	33.24	1.46	0.73	0.0	21.0	0.0	32.5	7.1
12	0.28	10.2	0.3	45.15	1.99	0.99	0.0	21.0	0.0	44.1	9.7
13	0.28	10.4	0.3	56.17	2.47	1.24	0.0	21.0	0.0	54.9	12.0
14	0.28	10.6	0.3	65.35	2.88	1.44	0.0	21.0	0.0	63.9	14.0
15	0.28	10.8	0.3	70.76	3.11	1.56	0.0	21.0	0.0	69.1	15.1
16	0.28	11.0	0.3	75.94	3.34	1.67	0.0	21.0	0.0	74.2	16.3
17	0.16	11.2	0.2	46.22	2.03	1.02	0.0	21.0	0.0	45.2	9.9
18	0.4	11.4	0.4	91.77	4.04	2.02	0.0	21.0	0.0	89.7	19.6
19	0.28	11.7	0.3	36.3	1.6	0.8	0.0	21.0	0.0	35.5	7.8
20	0.28	11.9	0.3	12.24	0.54	0.27	0.0	21.0	0.0	12.0	2.6

xc = 25.056 yc = 93.123 Rc = 88.082 Fs=1.29

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.11	3.3	0.1	4.85	0.21	0.11	0.0	21.0	0.0	4.8	1.4
2	1.01	3.7	1.0	1189.0	52.32	26.16	0.0	21.0	0.0	1169.1	347.9
3	1.01	4.3	1.0	2427.3	106.8	53.4	0.0	21.0	0.3	2380.4	708.3
4	1.01	5.0	1.02	619.29	115.25	57.62	0.0	21.0	97.8	2467.0	734.1
5	1.01	5.6	1.02	556.98	112.51	56.25	0.0	21.0	171.7	2328.5	692.8
6	1.01	6.3	1.02	370.58	104.31	52.15	0.0	21.0	245.8	2069.7	615.8
7	1.01	7.0	1.02	283.36	100.47	50.23	0.0	21.0	308.2	1920.1	571.3
8	3.02	8.3	3.16	045.95	266.02	133.01	0.0	21.0	1156.1	4736.3	1409.3
9	4.02	10.6	4.15	341.89	235.04	117.52	0.0	21.0	1681.0	3528.0	1049.8
10	1.03	12.3	1.11	413.69	62.2	31.1	0.0	21.0	357.1	1015.6	302.2
11	0.99	12.9	1.01	588.19	69.88	34.94	0.0	21.0	285.7	1250.9	372.2
12	1.01	13.6	1.01	827.06	80.39	40.2	0.0	21.0	235.0	1528.0	454.7
13	1.01	14.3	1.02	022.76	89.0	44.5	0.0	21.0	163.5	1783.5	530.7
14	2.01	15.3	2.13	343.71	147.12	73.56	0.0	21.0	52.8	3155.0	938.8
15	1.01	16.3	1.02	011.86	88.52	44.26	0.0	21.0	0.0	1928.3	573.8
16	1.01	17.0	1.12	586.82	113.82	56.91	0.0	21.0	0.0	2479.5	737.8

17	1.01	17.7	1.1	3016.33	132.72	66.36	0.0	21.0	0.0	2891.6	860.4
18	1.01	18.4	1.1	2844.04	125.14	62.57	0.0	21.0	0.0	2727.3	811.5
19	1.01	19.1	1.1	2479.21	109.09	54.54	0.0	21.0	0.0	2378.5	707.7
20	4.17	20.9	4.5	5150.89	226.64	113.32	0.0	21.0	0.0	4950.9	1473.1

xc = 26.747 yc = 94.715 Rc = 89.736 Fs=2.463

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.41	2.1	0.4	73.35	3.23	1.61	0.0	21.0	0.0	73.0	11.4
2	1.01	2.5	1.0	1479.49	65.1	32.55	0.0	21.0	48.1	1423.0	221.8
3	1.01	3.2	1.0	2755.68	121.25	60.63	0.0	21.0	177.8	2559.8	399.0
4	1.01	3.8	1.0	2986.07	131.39	65.69	0.0	21.0	296.1	2668.2	415.9
5	1.01	4.4	1.0	2962.63	130.36	65.18	0.0	21.0	391.0	2548.5	397.3
6	1.01	5.1	1.0	2815.64	123.89	61.94	0.0	21.0	486.4	2306.4	359.5
7	1.01	5.7	1.0	2768.35	121.81	60.9	0.0	21.0	570.4	2175.0	339.0
8	3.02	7.0	3.0	7759.01	341.4	170.7	0.15	24.0	2074.9	5378.7	2825.1
9	8.05	10.6	8.2	17118.6	753.22	376.61	0.15	24.0	6394.0	9649.1	6733.0
10	2.01	13.9	2.1	5463.71	240.4	120.2	0.15	24.0	1175.3	3929.5	1973.2
11	1.01	14.9	1.0	3143.65	138.32	69.16	0.15	24.0	461.8	2486.8	1083.8
12	2.01	15.9	2.1	8604.18	378.58	189.29	0.15	24.0	687.7	7483.0	2627.4
13	2.01	17.2	2.1	8110.76	356.87	178.44	0.15	24.0	395.2	7272.3	2598.2
14	2.01	18.6	2.1	6532.38	287.42	143.71	0.0	21.0	0.0	6548.5	1020.8
15	1.42	19.7	1.5	3487.32	153.44	76.72	0.0	21.0	0.0	3508.8	546.9
16	1.59	20.8	1.7	2471.08	108.73	54.36	0.0	21.0	0.0	2495.3	389.0
17	1.01	21.7	1.1	1062.75	46.76	23.38	0.0	21.0	0.0	1076.8	167.9
18	1.01	22.4	1.1	920.07	40.48	20.24	0.0	21.0	0.0	934.9	145.7
19	1.01	23.0	1.1	648.46	28.53	14.27	0.0	21.0	0.0	660.9	103.0
20	4.72	25.1	5.2	3898.24	171.52	85.76	0.0	21.0	0.0	4011.0	625.2

xc = 36.893 yc = 94.715 Rc = 88.096 Fs=2.353

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.83	-2.7	0.8	119.94	5.28	2.64	0.0	21.0	0.0	121.0	19.7
2	1.01	-2.1	1.0	305.04	13.42	6.71	0.0	21.0	0.0	307.1	50.1
3	1.01	-1.4	1.0	371.41	16.34	8.17	0.0	21.0	0.0	373.0	60.9
4	1.01	-0.8	1.0	537.35	23.64	11.82	0.0	21.0	0.0	538.6	87.9
5	3.02	0.5	3.0	2331.49	102.59	51.29	0.0	21.0	0.0	2328.0	379.8

6	7.04	3.8	7.19	326.09	410.35	205.17	0.0	21.0	2875.2	6395.5	1043.3
7	1.51	6.6	1.54	942.07	217.45	108.73	0.15	24.0	1144.8	3630.5	1657.8
8	1.51	7.6	1.54	997.12	219.87	109.94	0.15	24.0	1250.8	3560.4	1642.0
9	1.01	8.4	1.03	949.12	173.76	86.88	0.15	24.0	885.8	2918.9	1200.7
10	1.01	9.1	1.04	799.35	211.17	105.59	0.15	24.0	921.8	3710.6	1351.6
11	1.01	9.8	1.05	505.81	242.26	121.13	0.15	24.0	981.7	4337.5	1471.5
12	1.01	10.4	1.05	612.23	246.94	123.47	0.15	24.0	1017.5	4398.8	1484.4
13	1.01	11.1	1.05	528.07	243.23	121.62	0.15	24.0	1053.2	4273.5	1462.1
14	1.01	11.8	1.05	364.77	236.05	118.03	0.15	24.0	1076.6	4083.0	1427.6
15	1.01	12.4	1.05	187.38	228.24	114.12	0.15	24.0	1075.7	3902.9	1395.2
16	3.02	13.8	3.11	3955.04	614.02	307.01	0.15	24.0	3181.7	10136.7	3899.0
17	11.07	18.6	11.75	6136.09	2469.99	1234.99	0.15	24.0	6242.8	47136.7	16361.7
18	2.49	23.3	2.76	475.55	284.92	142.46	0.15	24.0	0.0	5830.5	2833.3
19	1.31	24.6	1.42	999.53	131.98	65.99	0.15	24.0	0.0	2648.6	1420.4
20	2.2	25.9	2.42	247.12	98.87	49.44	0.15	24.0	0.0	1594.0	1862.6

xc = 40.275 yc = 94.715 Rc = 87.419 Fs=2.345

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.71	1.1	0.7	61.81	2.72	1.36	0.0	21.0	0.0	61.6	10.1
2	1.01	1.6	1.0	371.84	16.36	8.18	0.0	21.0	0.0	370.3	60.6
3	1.01	2.3	1.0	801.01	35.24	17.62	0.0	21.0	24.9	771.7	126.3
4	1.01	3.0	1.0	1366.8	60.14	30.07	0.0	21.0	158.4	1199.8	196.4
5	1.01	3.6	1.01	911.49	84.11	42.05	0.15	24.0	280.3	1574.9	943.8
6	3.02	4.9	3.08	094.42	356.15	178.08	0.15	24.0	1430.7	6416.1	3155.8
7	5.11	7.6	5.22	6344.87	1159.17	579.59	0.15	24.0	4097.4	21460.1	7369.0
8	0.93	9.6	0.94	872.56	214.39	107.2	0.15	24.0	942.4	3762.9	1318.0
9	1.01	10.3	1.05	165.55	227.28	113.64	0.15	24.0	1064.2	3915.1	1397.2
10	3.02	11.6	3.11	4345.17	631.19	315.59	0.15	24.0	3387.0	10377.6	3940.9
11	3.02	13.6	3.11	3941.11	613.41	306.7	0.15	24.0	3326.8	9980.7	3881.3
12	2.01	15.3	2.11	1528.74	507.26	253.63	0.15	24.0	2038.1	9006.2	3044.3
13	1.04	16.4	1.15	952.16	261.9	130.95	0.15	24.0	947.2	4748.7	1592.5
14	0.98	17.1	1.05	662.05	249.13	124.57	0.15	24.0	817.7	4599.0	1525.9
15	1.01	17.7	1.15	825.39	256.32	128.16	0.15	24.0	746.7	4823.2	1591.3
16	2.01	18.8	2.11	0076.37	443.36	221.68	0.15	24.0	1163.0	8409.5	2955.9
17	1.01	19.8	1.14	752.54	209.11	104.56	0.15	24.0	385.4	4114.1	1465.1
18	1.27	20.6	1.45	355.82	235.66	117.83	0.15	24.0	271.7	4764.6	1774.2
19	1.22	21.5	1.34	109.35	180.81	90.41	0.15	24.0	9.1	3792.6	1559.3
20	5.37	23.9	5.92	4511.61	1078.51	539.26	0.15	24.0	0.0	23194.7	8155.7

xc = 48.73 yc = 93.123 Rc = 83.359 Fs=2.259

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.21	1.0	0.2	13.88	0.61	0.31	0.0	21.0	0.0	13.8	2.4
2	1.01	1.4	1.0	912.68	40.16	20.08	0.0	21.0	0.0	909.1	154.5
3	1.01	2.1	1.0	1869.05	82.24	41.12	0.0	21.0	0.0	1858.6	315.8
4	1.01	2.8	1.0	2225.7	97.93	48.97	0.0	21.0	0.0	2209.9	375.5
5	1.01	3.5	1.0	2392.16	105.26	52.63	0.0	21.0	0.0	2371.9	403.0
6	1.01	4.2	1.0	2480.03	109.12	54.56	0.0	21.0	0.0	2456.1	417.3
7	1.01	4.9	1.0	2554.41	112.39	56.2	0.0	21.0	0.0	2527.0	429.3
8	3.02	6.3	3.0	7568.56	333.02	166.51	0.0	21.0	0.0	7474.5	1269.9
9	5.03	9.1	5.1	15830.6	696.55	348.27	0.15	24.0	1396.5	13646.9	6071.5
10	1.01	11.2	1.0	4800.77	211.23	105.62	0.15	24.0	408.3	4180.0	1504.6
11	2.01	12.2	2.1	10558.82	464.59	232.29	0.15	24.0	858.6	9234.4	3186.8
12	0.84	13.2	0.9	4128.75	181.67	90.83	0.15	24.0	346.6	3584.9	1276.9
13	1.18	14.0	1.2	5515.86	242.7	121.35	0.15	24.0	467.3	4768.6	1744.1
14	1.01	14.7	1.0	4702.47	206.91	103.45	0.15	24.0	359.0	4097.2	1498.1
15	1.27	15.5	1.3	5562.27	244.74	122.37	0.15	24.0	380.3	4867.9	1836.2
16	1.22	16.4	1.3	4592.53	202.07	101.04	0.15	24.0	263.5	4029.9	1639.2
17	0.68	17.1	0.7	2655.99	116.86	58.43	0.15	24.0	97.9	2385.8	944.5
18	0.82	17.7	0.9	3406.4	149.88	74.94	0.15	24.0	61.6	3132.6	1186.2
19	0.27	18.1	0.3	1064.96	46.86	23.43	0.15	24.0	5.3	989.8	382.7
20	5.66	20.2	6.0	44317.48	1949.97	974.98	0.15	24.0	0.04	2657.9	12408.1

xc = 23.365 yc = 97.898 Rc = 92.567 Fs=1.417

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.71	4.6	0.7	538.65	23.7	11.85	0.0	21.0	0.0	528.8	143.2
2	1.01	5.2	1.0	1655.62	72.85	36.42	0.0	21.0	0.0	1622.7	439.5
3	1.01	5.8	1.0	1820.43	80.1	40.05	0.0	21.0	0.0	1780.9	482.4
4	1.01	6.4	1.0	1731.92	76.2	38.1	0.0	21.0	0.0	1691.3	458.1
5	1.01	7.0	1.0	1520.27	66.89	33.45	0.0	21.0	0.0	1482.2	401.5
6	1.01	7.7	1.0	1408.78	61.99	30.99	0.0	21.0	0.0	1371.5	371.5
7	1.01	8.3	1.0	1313.61	57.8	28.9	0.0	21.0	0.0	1277.1	345.9
8	2.01	9.2	2.0	1890.56	83.18	41.59	0.0	21.0	0.0	1834.6	496.9
9	1.01	10.2	1.0	547.93	24.11	12.05	0.0	21.0	0.0	530.9	143.8
10	1.01	10.8	1.0	368.03	16.19	8.1	0.0	21.0	0.0	356.2	96.5
11	1.01	11.5	1.0	296.96	13.07	6.53	0.0	21.0	0.0	287.2	77.8
12	1.01	12.1	1.0	269.42	11.85	5.93	0.0	21.0	0.0	260.4	70.5
13	1.01	12.7	1.0	350.38	15.42	7.71	0.0	21.0	0.0	338.5	91.7

14	1.01	13.4	1.0	567.65	24.98	12.49	0.0	21.0	0.0	548.2	148.5
15	1.01	14.0	1.0	762.79	33.56	16.78	0.0	21.0	0.0	736.4	199.5
16	3.02	15.3	3.1	2504.21	110.19	55.09	0.0	21.0	0.0	2417.1	654.7
17	4.02	17.6	4.2	7888.11	347.08	173.54	0.0	21.0	0.0	7620.6	2064.1
18	1.01	19.2	1.1	1336.3	58.8	29.4	0.0	21.0	0.0	1293.1	350.2
19	0.98	19.9	1.0	869.25	38.25	19.12	0.0	21.0	0.0	841.9	228.0
20	1.31	20.6	1.4	447.23	19.68	9.84	0.0	21.0	0.0	433.6	117.5

xc = 25.056 yc = 96.307 Rc = 91.252 Fs=1.71

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.09	3.2	0.1	3.34	0.15	0.07	0.0	21.0	0.0	3.3	0.7
2	1.01	3.5	1.0	1175.65	51.73	25.86	0.0	21.0	0.0	1161.8	260.8
3	1.01	4.2	1.0	2418.52	106.41	53.21	0.0	21.0	0.0	2385.9	535.5
4	1.01	4.8	1.0	2615.84	115.1	57.55	0.0	21.0	96.0	2481.9	557.1
5	1.01	5.4	1.0	2559.62	112.62	56.31	0.0	21.0	173.1	2347.1	526.8
6	1.01	6.1	1.0	2380.08	104.72	52.36	0.0	21.0	251.0	2091.2	469.4
7	1.01	6.7	1.0	2300.53	101.22	50.61	0.0	21.0	317.5	1945.4	436.7
8	3.02	8.0	3.0	6150.5	270.62	135.31	0.0	21.0	1212.7	4834.0	1085.0
9	4.03	10.2	4.1	5642.12	248.25	124.13	0.0	21.0	1840.8	3712.4	833.3
10	1.0	11.8	1.0	1488.55	65.5	32.75	0.15	24.0	408.4	868.1	1123.9
11	1.01	12.5	1.0	1742.86	76.69	38.34	0.15	24.0	360.4	1149.6	1203.2
12	1.01	13.1	1.0	1968.39	86.61	43.3	0.15	24.0	310.3	1405.9	1272.2
13	1.01	13.8	1.0	2180.25	95.93	47.97	0.15	24.0	248.0	1660.6	1341.0
14	2.01	14.8	2.1	3711.36	163.3	81.65	0.0	21.0	251.5	3378.1	758.3
15	1.01	15.7	1.0	2225.43	97.92	48.96	0.0	21.0	0.0	2174.6	488.1
16	1.01	16.4	1.0	2821.5	124.15	62.07	0.0	21.0	0.0	2758.9	619.3
17	1.01	17.1	1.1	3273.21	144.02	72.01	0.0	21.0	0.0	3203.2	719.0
18	1.01	17.7	1.1	3124.21	137.47	68.73	0.0	21.0	0.0	3060.3	686.9
19	1.01	18.4	1.1	2783.8	122.49	61.24	0.0	21.0	0.0	2729.9	612.7
20	5.04	20.4	5.4	7200.18	316.81	158.4	0.0	21.0	0.0	7090.1	1591.5

xc = 26.747 yc = 97.898 Rc = 92.68 Fs=2.333

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.97	2.4	1.0	1041.02	45.8	22.9	0.0	21.0	0.0	1034.7	170.2
2	1.01	3.1	1.0	2318.91	102.03	51.02	0.0	21.0	0.0	2302.0	378.7

3	1.01	3.7	1.0	2552.9	2.1	112.33	56.16	0.0	21.0	62.0	2469.9	406.4
4	1.01	4.3	1.0	2533.8		111.49	55.74	0.0	21.0	159.2	2352.2	387.0
5	1.01	4.9	1.0	2391.8		105.24	52.62	0.0	21.0	257.3	2112.4	347.5
6	1.01	5.6	1.0	2350.2		103.41	51.7	0.0	21.0	344.3	1983.6	326.3
7	3.02	6.8	3.0	6531.6		287.39	143.7	0.0	21.0	1418.7	5050.1	830.8
8	6.04	9.6	6.1	9943.13		437.5	218.75	0.15	24.0	3637.9	5547.0	4995.3
9	2.01	12.2	2.1	5018.85		220.83	110.41	0.15	24.0	1068.0	3607.8	2011.9
10	2.01	13.4	2.1	4878.04		214.63	107.32	0.15	24.0	867.1	3639.9	2024.8
11	2.01	14.7	2.1	5933.03		261.05	130.53	0.15	24.0	546.6	4968.6	2285.8
12	2.01	16.0	2.1	7920.2		348.49	174.24	0.15	24.0	321.1	7129.1	2706.4
13	1.06	17.0	1.1	3787.51		166.65	83.33	0.0	21.0	40.5	3730.7	613.8
14	0.95	17.7	1.0	3073.34		135.23	67.61	0.0	21.0	0.0	3064.8	504.2
15	1.01	18.3	1.1	2861.52		125.91	62.95	0.0	21.0	0.0	2858.4	470.3
16	3.02	19.6	3.2	5730.29		252.13	126.07	0.0	21.0	0.0	5746.4	945.4
17	3.02	21.6	3.2	2713.91		119.41	59.71	0.0	21.0	0.0	2740.5	450.9
18	2.01	23.3	2.2	2575.35		113.32	56.66	0.0	21.0	0.0	2618.4	430.8
19	1.14	24.4	1.3	936.8		41.22	20.61	0.0	21.0	0.0	957.0	157.5
20	1.86	25.4	2.1	1061.42		46.7	23.35	0.0	21.0	0.0	1089.7	179.3

xc = 43.657 yc = 97.898 Rc = 89.299 Fs=2.372

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.02	2.0	1.0	365.57	16.09	8.04	0.0	21.0	0.0	363.7	58.9
2	2.01	3.0	2.0	1268.2	55.8	27.9	0.0	21.0	0.0	1259.3	203.8
3	1.01	3.9	1.0	1599.53	70.38	35.19	0.0	21.0	0.0	1585.6	256.6
4	1.01	4.6	1.0	2595.1	114.18	57.09	0.0	21.0	0.0	2570.0	415.9
5	1.01	5.2	1.0	3448.37	151.73	75.86	0.0	21.0	0.0	3412.2	552.2
6	1.01	5.9	1.0	3703.2	162.94	81.47	0.0	21.0	11.8	3650.0	590.7
7	1.01	6.5	1.0	3772.92	166.01	83.0	0.15	24.0	129.4	3518.2	1300.8
8	1.01	7.2	1.0	3766.5	165.73	82.86	0.15	24.0	235.4	3397.7	1279.1
9	1.01	7.8	1.0	3747.2	164.88	82.44	0.15	24.0	317.7	3288.4	1259.5
10	3.02	9.2	3.1	10594.85	466.17	233.09	0.15	24.0	1413.1	8724.8	3571.2
11	5.04	11.8	5.1	19014.81	836.65	418.33	0.15	24.0	3055.2	15035.2	6078.4
12	1.0	13.8	1.0	5104.5	224.6	112.3	0.15	24.0	587.5	4294.2	1454.9
13	1.01	14.4	1.0	5302.31	233.3	116.65	0.15	24.0	568.0	4502.0	1502.1
14	1.01	15.1	1.0	5389.34	237.13	118.57	0.15	24.0	517.2	4633.9	1528.8
15	2.01	16.1	2.1	9497.47	417.89	208.94	0.15	24.0	858.3	8167.1	2857.5
16	1.01	17.1	1.1	4613.41	202.99	101.49	0.15	24.0	312.1	4060.9	1428.0
17	1.27	17.9	1.3	5326.69	234.37	117.19	0.15	24.0	256.4	4766.2	1740.3
18	1.22	18.7	1.3	4238.89	186.51	93.26	0.15	24.0	77.3	3871.5	1541.9
19	0.68	19.4	0.7	2404.26	105.79	52.89	0.15	24.0	0.0	2239.8	878.2
20	5.63	21.5	6.1	33844.52	1489.16	744.58	0.15	24.0	0.03	2469.1	9922.5

xc = 21.674 yc = 99.49 Rc = 93.75 Fs=2.22

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	5.8	0.2	53.93	2.37	1.19	0.0	21.0	0.0	53.3	9.2
2	0.4	5.9	0.4	209.05	9.2	4.6	0.0	21.0	0.0	206.5	35.7
3	0.31	6.2	0.3	189.09	8.32	4.16	0.0	21.0	0.0	186.7	32.3
4	0.29	6.4	0.3	195.26	8.59	4.3	0.0	21.0	0.0	192.8	33.3
5	0.34	6.5	0.3	237.87	10.47	5.23	0.0	21.0	0.0	234.8	40.6
6	0.31	6.7	0.3	226.55	9.97	4.98	0.0	21.0	0.0	223.6	38.7
7	0.36	7.0	0.4	261.75	11.52	5.76	0.0	21.0	0.0	258.2	44.7
8	0.27	7.1	0.3	190.38	8.38	4.19	0.0	21.0	0.0	187.8	32.5
9	0.31	7.3	0.3	195.64	8.61	4.3	0.0	21.0	0.0	193.0	33.4
10	0.42	7.6	0.4	219.74	9.67	4.83	0.0	21.0	0.0	216.7	37.5
11	0.21	7.7	0.2	90.82	4.0	2.0	0.0	21.0	0.0	89.6	15.5
12	0.31	7.9	0.3	122.17	5.38	2.69	0.0	21.0	0.0	120.4	20.8
13	0.31	8.1	0.3	101.99	4.49	2.24	0.0	21.0	0.0	100.5	17.4
14	0.17	8.3	0.2	47.31	2.08	1.04	0.0	21.0	0.0	46.6	8.1
15	0.45	8.4	0.5	108.85	4.79	2.39	0.0	21.0	0.0	107.3	18.6
16	0.31	8.7	0.3	65.9	2.9	1.45	0.0	21.0	0.0	64.9	11.2
17	0.24	8.9	0.2	44.48	1.96	0.98	0.0	21.0	0.0	43.8	7.6
18	0.39	9.0	0.4	56.45	2.48	1.24	0.0	21.0	0.0	55.6	9.6
19	0.31	9.3	0.3	26.72	1.18	0.59	0.0	21.0	0.0	26.3	4.6
20	0.31	9.5	0.3	9.37	0.41	0.21	0.0	21.0	0.0	9.2	1.6

xc = 23.365 yc = 101.082 Rc = 95.645 Fs=1.41

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.63	4.5	0.6	419.54	18.46	9.23	0.0	21.0	0.0	412.0	112.1
2	1.01	5.0	1.01	480.73	65.15	32.58	0.0	21.0	0.0	1451.8	395.2
3	1.01	5.6	1.01	651.38	72.66	36.33	0.0	21.0	0.0	1616.2	439.9
4	1.01	6.2	1.01	569.37	69.05	34.53	0.0	21.0	0.0	1533.2	417.3
5	1.01	6.8	1.01	364.91	60.06	30.03	0.0	21.0	0.0	1331.3	362.4
6	1.01	7.4	1.01	261.34	55.5	27.75	0.0	21.0	0.0	1228.4	334.4
7	1.01	8.0	1.01	174.77	51.69	25.84	0.0	21.0	0.0	1142.5	311.0
8	2.01	8.9	2.01	641.41	72.22	36.11	0.0	21.0	0.0	1593.4	433.7
9	1.01	9.9	1.0	439.27	19.33	9.66	0.0	21.0	0.0	425.7	115.9
10	1.01	10.5	1.0	270.92	11.92	5.96	0.0	21.0	0.0	262.3	71.4

11	1.01	11.1	1.0	212.16	9.33	4.67	0.0	21.0	0.0	205.2	55.9
12	1.01	11.7	1.0	197.7	8.7	4.35	0.0	21.0	0.0	191.1	52.0
13	1.01	12.3	1.0	292.54	12.87	6.44	0.0	21.0	0.0	282.6	76.9
14	1.01	12.9	1.0	524.49	23.08	11.54	0.0	21.0	0.0	506.5	137.9
15	1.01	13.6	1.0	735.14	32.35	16.17	0.0	21.0	0.0	709.6	193.2
16	3.02	14.8	3.1	2521.97	110.97	55.48	0.0	21.0	0.0	2433.5	662.4
17	4.02	17.0	4.2	8181.4	359.98	179.99	0.0	21.0	0.0	7898.0	2149.7
18	1.12	18.6	1.2	1592.88	70.09	35.04	0.0	21.0	0.0	1539.6	419.1
19	0.9	19.2	0.9	908.78	39.99	19.99	0.0	21.0	0.0	879.0	239.3
20	1.76	20.1	1.9	671.9	29.56	14.78	0.0	21.0	0.0	650.7	177.1

xc = 25.056 yc = 99.49 Rc = 94.296 Fs=1.325

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.93	3.4	0.9	934.42	41.11	20.56	0.0	21.0	0.0	920.1	266.5
2	1.01	4.0	1.0	2174.74	95.69	47.84	0.0	21.0	0.0	2136.5	618.8
3	1.01	4.7	1.0	2376.82	104.58	52.29	0.0	21.0	0.0	2329.8	674.7
4	1.01	5.3	1.0	2326.07	102.35	51.17	0.0	21.0	46.9	2229.3	645.6
5	1.01	5.9	1.0	2152.68	94.72	47.36	0.0	21.0	128.1	1976.4	572.4
6	1.01	6.5	1.0	2079.99	91.52	45.76	0.0	21.0	198.3	1833.4	531.0
7	3.02	7.7	3.0	5536.44	243.6	121.8	0.0	21.0	880.7	4520.7	1309.3
8	3.02	9.6	3.1	3725.05	163.9	81.95	0.0	21.0	1077.4	2560.0	741.4
9	2.01	11.1	2.1	2540.15	111.77	55.88	0.0	21.0	680.7	1792.9	519.3
10	1.01	12.1	1.0	1614.67	71.05	35.52	0.0	21.0	292.4	1273.3	368.8
11	2.01	13.0	2.1	3822.32	168.18	84.09	0.0	21.0	437.0	3256.6	943.1
12	0.88	13.9	0.9	1790.79	78.79	39.4	0.0	21.0	106.8	1618.8	468.8
13	1.13	14.5	1.2	2165.75	95.29	47.65	0.0	21.0	51.0	2032.0	588.5
14	1.01	15.2	1.0	2180.25	95.93	47.97	0.0	21.0	0.0	2094.5	606.6
15	1.01	15.9	1.0	2795.1	122.98	61.49	0.0	21.0	0.0	2684.8	777.6
16	1.01	16.5	1.0	3266.54	143.73	71.86	0.0	21.0	0.0	3137.7	908.7
17	1.01	17.1	1.1	3138.23	138.08	69.04	0.0	21.0	0.0	3014.8	873.1
18	1.01	17.8	1.1	2819.52	124.06	62.03	0.0	21.0	0.0	2709.3	784.7
19	1.01	18.4	1.1	2421.81	106.56	53.28	0.0	21.0	0.0	2328.0	674.2
20	4.77	20.3	5.1	5184.88	228.13	114.07	0.0	21.0	0.0	4993.2	1446.1

xc = 26.747 yc = 101.082 Rc = 95.236 Fs=1.442

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.45	2.5	0.4	220.05	9.68	4.84	0.0	21.0	0.0	217.7	58.0
2	1.01	3.0	1.0	1157.33	50.92	25.46	0.0	21.0	0.0	1143.1	304.3
3	1.01	3.6	1.0	1394.31	61.35	30.67	0.0	21.0	0.0	1374.1	365.8
4	1.01	4.2	1.0	1378.73	60.66	30.33	0.0	21.0	0.0	1356.0	361.0
5	1.01	4.8	1.0	1240.81	54.6	27.3	0.0	21.0	0.0	1218.0	324.2
6	1.01	5.4	1.0	1203.88	52.97	26.49	0.0	21.0	0.0	1179.5	314.0
7	3.02	6.6	3.0	3125.64	137.53	68.76	0.0	21.0	0.0	3052.3	812.5
8	4.02	8.8	4.1	2263.88	99.61	49.81	0.0	21.0	17.2	2183.6	581.3
9	2.01	10.6	2.0	1746.1	76.83	38.41	0.0	21.0	27.7	1665.3	443.3
10	1.01	11.5	1.0	1356.68	59.69	29.85	0.0	21.0	0.0	1313.3	349.6
11	1.42	12.3	1.5	2396.61	105.45	52.73	0.0	21.0	0.0	2318.4	617.2
12	1.6	13.2	1.6	2325.98	102.34	51.17	0.0	21.0	0.0	2248.7	598.6
13	2.01	14.3	2.1	3888.98	171.12	85.56	0.0	21.0	0.0	3758.3	1000.5
14	1.01	15.3	1.0	3030.75	133.35	66.68	0.0	21.0	0.0	2928.8	779.7
15	1.0	15.9	1.0	2919.43	128.45	64.23	0.0	21.0	0.0	2821.6	751.1
16	1.01	16.5	1.0	2658.27	116.96	58.48	0.0	21.0	0.0	2569.8	684.1
17	1.01	17.2	1.1	2305.49	101.44	50.72	0.0	21.0	0.0	2229.6	593.5
18	1.01	17.8	1.1	1939.34	85.33	42.67	0.0	21.0	0.0	1876.4	499.5
19	1.01	18.4	1.1	1522.35	66.98	33.49	0.0	21.0	0.0	1473.9	392.4
20	4.22	20.1	4.5	1061.82	46.72	23.36	0.0	21.0	0.0	1030.3	274.3

xc = 30.129 yc = 101.082 Rc = 94.56 Fs=1.24

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.79	1.0	0.8	122.63	5.4	2.7	0.0	21.0	0.0	122.0	37.8
2	1.01	1.6	1.0	417.03	18.35	9.17	0.0	21.0	0.0	413.7	128.0
3	1.01	2.2	1.0	467.78	20.58	10.29	0.0	21.0	0.0	462.7	143.2
4	1.01	2.8	1.0	396.16	17.43	8.72	0.0	21.0	0.0	390.8	120.9
5	1.01	3.4	1.0	425.56	18.72	9.36	0.0	21.0	0.0	418.6	129.6
6	3.02	4.6	3.0	1188.78	52.31	26.15	0.0	21.0	0.0	1163.6	360.1
7	6.04	7.4	6.1	1202.86	52.93	26.46	0.0	21.0	0.0	1166.2	360.9
8	1.01	9.5	1.0	1246.37	54.84	27.42	0.0	21.0	0.0	1201.4	371.8
9	1.77	10.4	1.8	3076.39	135.36	67.68	0.0	21.0	0.0	2959.8	916.0
10	1.25	11.3	1.3	1999.67	87.99	43.99	0.0	21.0	0.0	1920.4	594.3
11	1.01	12.0	1.0	2008.61	88.38	44.19	0.0	21.0	0.0	1926.7	596.3
12	1.01	12.6	1.0	2734.94	120.34	60.17	0.0	21.0	0.0	2621.0	811.1
13	1.01	13.3	1.0	3318.86	146.03	73.01	0.0	21.0	0.0	3178.0	983.5
14	1.01	13.9	1.0	3304.07	145.38	72.69	0.0	21.0	0.0	3161.7	978.4
15	1.01	14.5	1.0	3100.0	136.4	68.2	0.0	21.0	0.0	2964.7	917.5
16	1.01	15.1	1.0	2818.11	124.0	62.0	0.0	21.0	0.0	2693.9	833.7
17	1.01	15.8	1.0	2523.36	111.03	55.51	0.0	21.0	0.0	2411.3	746.2
18	3.02	17.1	3.2	5264.66	231.65	115.82	0.0	21.0	0.0	5029.3	1556.5

19	7.18	20.3	7.78	962.07	394.33	197.17	0.0	21.0	0.0	8574.3	2653.5
20	1.85	23.3	2.01	379.92	60.72	30.36	0.0	21.0	0.0	1325.7	410.3

xc = 33.511 yc = 101.082 Rc = 93.883 Fs=1.211

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.7	6.4	0.7	81.29	3.58	1.79	0.0	21.0	0.0	79.0	25.0
2	1.01	6.9	1.0	501.66	22.07	11.04	0.0	21.0	0.0	486.7	154.3
3	1.01	7.5	1.0	916.55	40.33	20.16	0.0	21.0	0.0	887.4	281.3
4	1.01	8.1	1.01	320.12	58.09	29.04	0.0	21.0	0.0	1275.8	404.4
5	2.01	9.1	2.02	572.76	113.2	56.6	0.0	21.0	0.0	2479.9	786.1
6	1.01	10.0	1.01	950.31	85.81	42.91	0.0	21.0	0.0	1875.6	594.6
7	1.01	10.6	1.02	745.14	120.79	60.39	0.0	21.0	0.0	2636.3	835.7
8	1.01	11.2	1.03	397.89	149.51	74.75	0.0	21.0	0.0	3259.0	1033.1
9	1.01	11.9	1.03	452.27	151.9	75.95	0.0	21.0	0.0	3307.3	1048.4
10	1.01	12.5	1.03	317.74	145.98	72.99	0.0	21.0	0.0	3175.2	1006.5
11	1.01	13.1	1.03	105.78	136.65	68.33	0.0	21.0	0.0	2969.6	941.3
12	1.01	13.8	1.02	881.39	126.78	63.39	0.0	21.0	0.0	2752.8	872.6
13	3.02	15.0	3.16	765.08	297.66	148.83	0.0	21.0	0.0	6455.3	2046.3
14	4.02	17.3	4.27	310.29	321.65	160.83	0.0	21.0	0.0	6968.7	2209.0
15	1.01	18.9	1.12	570.46	113.1	56.55	0.0	21.0	0.0	2450.9	776.9
16	2.01	19.9	2.14	505.81	198.26	99.13	0.0	21.0	0.0	4298.6	1362.6
17	1.01	20.8	1.12	225.42	97.92	48.96	0.0	21.0	0.0	2124.8	673.6
18	1.11	21.5	1.21	771.15	77.93	38.97	0.0	21.0	0.0	1692.4	536.5
19	0.9	22.2	1.0	998.26	43.92	21.96	0.0	21.0	0.0	954.7	302.6
20	1.87	23.1	2.01	222.21	53.78	26.89	0.0	21.0	0.0	1170.5	371.0

xc = 36.893 yc = 101.082 Rc = 93.207 Fs=2.409

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	5.1	0.3	28.17	1.24	0.62	0.0	21.0	0.0	27.9	4.4
2	1.01	5.5	1.0	365.94	16.1	8.05	0.0	21.0	0.0	362.1	57.7
3	1.01	6.1	1.0	837.06	36.83	18.42	0.0	21.0	0.0	827.7	131.9
4	2.01	7.0	2.01	809.74	79.63	39.81	0.0	21.0	0.0	1788.3	285.0
5	1.01	8.0	1.0	1670.7	73.51	36.76	0.0	21.0	0.0	1650.2	263.0
6	1.01	8.6	1.02	533.74	111.48	55.74	0.0	21.0	0.0	2502.3	398.7
7	1.01	9.2	1.03	254.88	143.21	71.61	0.0	21.0	0.0	3214.3	512.2

8	1.01	9.8	1.03	377.94	148.63	74.31	0.0	21.0	0.0	3336.2	531.6
9	1.01	10.5	1.03	312.35	145.74	72.87	0.0	21.0	0.0	3272.1	521.4
10	1.01	11.1	1.03	169.64	139.46	69.73	0.0	21.0	0.0	3132.1	499.1
11	1.01	11.7	1.03	014.85	132.65	66.33	0.0	21.0	0.0	2980.5	474.9
12	3.02	13.0	3.17	586.37	333.8	166.9	0.0	21.0	0.0	7509.6	1196.6
13	5.09	15.6	5.31	1358.09	499.76	249.88	0.15	24.0	0.0	10341.6	5200.2
14	0.95	17.5	1.03	018.71	132.82	66.41	0.15	24.0	0.0	2806.3	1138.3
15	1.01	18.1	1.13	219.93	141.68	70.84	0.15	24.0	0.0	2991.2	1212.1
16	1.01	18.8	1.1	3171.6	139.55	69.78	0.15	24.0	0.0	2940.1	1205.2
17	2.01	19.8	2.14	654.39	204.79	102.4	0.15	24.0	0.0	4189.0	2105.8
18	1.01	20.8	1.11	986.98	87.43	43.71	0.15	24.0	0.0	1748.5	993.2
19	1.27	21.5	1.41	808.08	79.56	39.78	0.15	24.0	0.0	1498.6	1128.7
20	3.24	23.0	3.51	690.08	74.36	37.18	0.0	21.0	0.0	1719.8	274.0

xc = 47.039 yc = 101.082 Rc = 89.352 Fs=1.368

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.32	10.4	0.3	65.5	2.88	1.44	0.0	21.0	0.0	63.3	17.8
2	0.53	10.7	0.5	255.68	11.25	5.63	0.0	21.0	0.0	247.1	69.4
3	0.48	11.0	0.5	297.23	13.08	6.54	0.0	21.0	0.0	287.1	80.6
4	0.37	11.3	0.4	248.79	10.95	5.47	0.0	21.0	0.0	240.2	67.4
5	0.42	11.6	0.4	282.96	12.45	6.23	0.0	21.0	0.0	273.1	76.7
6	0.22	11.8	0.2	143.44	6.31	3.16	0.0	21.0	0.0	138.4	38.9
7	0.63	12.1	0.6	503.82	22.17	11.08	0.0	21.0	0.0	486.0	136.4
8	0.38	12.4	0.4	392.48	17.27	8.63	0.0	21.0	0.0	378.5	106.2
9	0.47	12.7	0.5	508.27	22.36	11.18	0.0	21.0	0.0	490.0	137.5
10	0.54	13.0	0.6	549.12	24.16	12.08	0.0	21.0	0.0	529.3	148.5
11	0.31	13.3	0.3	277.21	12.2	6.1	0.0	21.0	0.0	267.1	75.0
12	0.42	13.5	0.4	316.26	13.92	6.96	0.0	21.0	0.0	304.7	85.5
13	0.42	13.8	0.4	236.0	10.38	5.19	0.0	21.0	0.0	227.3	63.8
14	0.42	14.1	0.4	226.02	9.94	4.97	0.0	21.0	0.0	217.7	61.1
15	0.44	14.4	0.5	237.39	10.45	5.22	0.0	21.0	0.0	228.6	64.2
16	0.41	14.6	0.4	214.2	9.42	4.71	0.0	21.0	0.0	206.3	57.9
17	0.6	15.0	0.6	297.71	13.1	6.55	0.0	21.0	0.0	286.7	80.5
18	0.24	15.3	0.3	102.73	4.52	2.26	0.0	21.0	0.0	98.9	27.8
19	0.42	15.5	0.4	117.63	5.18	2.59	0.0	21.0	0.0	113.3	31.8
20	0.42	15.8	0.4	39.65	1.74	0.87	0.0	21.0	0.0	38.2	10.7

xc = 30.129 yc = 104.265 Rc = 97.115 Fs=1.291

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.05	9.0	0.1	0.59	0.03	0.01	0.0	21.0	0.0	0.6	0.2
2	1.01	9.3	1.0	142.93	6.29	3.14	0.0	21.0	0.0	138.1	41.1
3	1.01	9.9	1.0	487.78	21.46	10.73	0.0	21.0	0.0	470.7	140.0
4	1.27	10.6	1.3	627.73	27.62	13.81	0.0	21.0	0.0	605.0	179.9
5	0.74	11.2	0.8	472.96	20.81	10.41	0.0	21.0	0.0	455.4	135.4
6	1.01	11.7	1.0	943.99	41.54	20.77	0.0	21.0	0.0	908.1	270.1
7	1.01	12.3	1.0	1681.58	73.99	36.99	0.0	21.0	0.0	1616.3	480.7
8	0.58	12.8	0.6	1319.06	58.04	29.02	0.0	21.0	0.0	1267.1	376.8
9	0.42	13.1	0.4	957.7	42.14	21.07	0.0	21.0	0.0	919.7	273.5
10	1.01	13.5	1.0	2275.2	100.11	50.05	0.0	21.0	0.0	2183.9	649.4
11	1.01	14.1	1.0	2084.36	91.71	45.86	0.0	21.0	0.0	1999.7	594.7
12	1.01	14.7	1.0	1816.39	79.92	39.96	0.0	21.0	0.0	1741.9	518.0
13	1.01	15.4	1.0	1536.28	67.6	33.8	0.0	21.0	0.0	1472.9	438.0
14	0.55	15.8	0.6	696.66	30.65	15.33	0.0	21.0	0.0	667.8	198.6
15	0.45	16.1	0.5	509.29	22.41	11.2	0.0	21.0	0.0	488.2	145.2
16	1.22	16.7	1.3	895.52	39.4	19.7	0.0	21.0	0.0	858.4	255.3
17	0.8	17.3	0.8	249.96	11.0	5.5	0.0	21.0	0.0	239.6	71.3
18	1.01	17.8	1.1	132.27	5.82	2.91	0.0	21.0	0.0	126.8	37.7
19	0.7	18.4	0.7	81.36	3.58	1.79	0.0	21.0	0.0	78.0	23.2
20	0.83	18.8	0.9	118.77	5.23	2.61	0.0	21.0	0.0	113.9	33.9

xc = 33.511 yc = 104.265 Rc = 96.439 Fs=1.225

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.88	7.9	0.9	202.57	8.91	4.46	0.0	21.0	0.0	196.0	61.4
2	2.01	8.8	2.0	353.39	15.55	7.77	0.0	21.0	0.0	341.0	106.8
3	1.01	9.7	1.0	853.45	37.55	18.78	0.0	21.0	0.0	821.8	257.5
4	1.01	10.3	1.0	1657.61	72.93	36.47	0.0	21.0	0.0	1593.9	499.4
5	1.01	10.9	1.0	2320.27	102.09	51.05	0.0	21.0	0.0	2228.3	698.1
6	1.18	11.6	1.2	2793.44	122.91	61.46	0.0	21.0	0.0	2679.3	839.5
7	0.84	12.2	0.9	1858.85	81.79	40.89	0.0	21.0	0.0	1781.1	558.0
8	1.01	12.8	1.0	2061.78	90.72	45.36	0.0	21.0	0.0	1973.9	618.4
9	1.01	13.4	1.0	1849.91	81.4	40.7	0.0	21.0	0.0	1769.6	554.4
10	1.01	14.0	1.0	1588.9	69.91	34.96	0.0	21.0	0.0	1518.9	475.9
11	2.01	14.9	2.1	2007.24	88.32	44.16	0.0	21.0	0.0	1917.2	600.7
12	1.01	15.9	1.0	723.3	31.83	15.91	0.0	21.0	0.0	690.5	216.3
13	1.01	16.5	1.0	794.43	34.95	17.48	0.0	21.0	0.0	758.2	237.5
14	1.01	17.1	1.1	741.0	32.6	16.3	0.0	21.0	0.0	707.1	221.5
15	1.01	17.7	1.1	1130.57	49.75	24.87	0.0	21.0	0.0	1078.9	338.0

16	1.01	18.4	1.1	1665.05	73.26	36.63	0.0	21.0	0.0	1589.1	497.9
17	1.01	19.0	1.1	1525.16	67.11	33.55	0.0	21.0	0.0	1456.0	456.2
18	1.01	19.6	1.1	1483.16	65.26	32.63	0.0	21.0	0.0	1416.4	443.8
19	1.01	20.3	1.1	1380.52	60.74	30.37	0.0	21.0	0.0	1319.0	413.3
20	2.63	21.4	2.8	995.55	43.8	21.9	0.0	21.0	0.0	952.4	298.4

xc = 35.202 yc = 102.673 Rc = 94.823 Fs=1.233

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.81	6.5	0.8	106.29	4.68	2.34	0.0	21.0	0.0	103.3	32.2
2	1.01	7.0	1.0	540.41	23.78	11.89	0.0	21.0	0.0	524.4	163.3
3	2.01	7.9	2.0	1125.13	49.51	24.75	0.0	21.0	0.0	1088.8	338.9
4	1.01	8.9	1.0	1283.25	56.46	28.23	0.0	21.0	0.0	1238.6	385.6
5	1.01	9.5	1.0	2116.45	93.12	46.56	0.0	21.0	0.0	2039.7	635.0
6	1.01	10.1	1.0	2807.96	123.55	61.78	0.0	21.0	0.0	2702.4	841.3
7	1.01	10.7	1.0	2901.6	127.67	63.84	0.0	21.0	0.0	2788.8	868.2
8	1.01	11.3	1.0	2806.78	123.5	61.75	0.0	21.0	0.0	2694.5	838.8
9	1.01	12.0	1.0	2635.01	115.94	57.97	0.0	21.0	0.0	2526.9	786.6
10	1.01	12.6	1.0	2451.32	107.86	53.93	0.0	21.0	0.0	2348.5	731.1
11	1.01	13.2	1.0	2218.36	97.61	48.8	0.0	21.0	0.0	2123.5	661.1
12	2.01	14.1	2.1	3349.75	147.39	73.69	0.0	21.0	0.0	3203.2	997.2
13	1.01	15.1	1.0	1436.04	63.19	31.59	0.0	21.0	0.0	1372.2	427.2
14	1.01	15.7	1.0	1534.66	67.53	33.76	0.0	21.0	0.0	1465.9	456.3
15	1.01	16.3	1.0	1508.64	66.38	33.19	0.0	21.0	0.0	1440.6	448.5
16	1.01	17.0	1.1	1925.48	84.72	42.36	0.0	21.0	0.0	1838.5	572.3
17	1.01	17.6	1.1	2487.15	109.43	54.72	0.0	21.0	0.0	2374.8	739.3
18	1.01	18.3	1.1	2374.35	104.47	52.24	0.0	21.0	0.0	2267.3	705.8
19	1.01	18.9	1.1	2359.33	103.81	51.91	0.0	21.0	0.0	2253.6	701.6
20	5.3	20.9	5.7	6626.5	291.57	145.78	0.0	21.0	0.0	6339.8	1973.6

xc = 36.893 yc = 104.265 Rc = 95.763 Fs=1.265

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.6	7.3	0.6	101.91	4.48	2.24	0.0	21.0	0.0	98.9	30.0
2	1.01	7.7	1.0	547.59	24.09	12.05	0.0	21.0	0.0	530.7	161.1
3	1.01	8.4	1.0	1418.06	62.39	31.2	0.0	21.0	0.0	1372.1	416.4
4	1.01	9.0	1.0	2147.2	94.48	47.24	0.0	21.0	0.0	2074.4	629.6

5	1.01	9.6	1.02	278.88	100.27	50.14	0.0	21.0	0.0	2198.5	667.2
6	1.01	10.2	1.02	222.52	97.79	48.9	0.0	21.0	0.0	2141.3	649.9
7	1.01	10.8	1.02	089.67	91.95	45.97	0.0	21.0	0.0	2010.9	610.3
8	1.01	11.4	1.01	945.36	85.6	42.8	0.0	21.0	0.0	1870.0	567.6
9	1.01	12.0	1.01	752.24	77.1	38.55	0.0	21.0	0.0	1682.8	510.7
10	2.01	13.0	2.12	539.01	111.72	55.86	0.0	21.0	0.0	2435.3	739.1
11	1.01	13.9	1.01	092.58	48.07	24.04	0.0	21.0	0.0	1046.9	317.7
12	1.01	14.5	1.01	233.22	54.26	27.13	0.0	21.0	0.0	1181.1	358.5
13	1.01	15.1	1.01	249.77	54.99	27.49	0.0	21.0	0.0	1196.5	363.1
14	1.01	15.7	1.01	709.83	75.23	37.62	0.0	21.0	0.0	1636.5	496.7
15	1.01	16.4	1.02	315.33	101.87	50.94	0.0	21.0	0.0	2215.6	672.4
16	1.01	17.0	1.12	247.04	98.87	49.43	0.0	21.0	0.0	2150.2	652.6
17	1.01	17.6	1.12	277.24	100.2	50.1	0.0	21.0	0.0	2179.3	661.4
18	1.01	18.3	1.12	247.48	98.89	49.44	0.0	21.0	0.0	2151.2	652.9
19	2.01	19.2	2.12	867.41	126.17	63.08	0.0	21.0	0.0	2746.1	833.4
20	2.54	20.7	2.72	098.86	92.35	46.17	0.0	21.0	0.0	2012.8	610.9

xc = 45.348 yc = 102.673 Rc = 91.543 Fs=1.298

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.48	11.0	0.5	146.87	6.46	3.23	0.0	21.0	0.0	141.5	41.8
2	0.3	11.3	0.3	239.33	10.53	5.27	0.0	21.0	0.0	230.5	68.2
3	0.66	11.6	0.7	707.85	31.15	15.57	0.0	21.0	0.0	681.3	201.5
4	0.35	11.9	0.4	413.4	18.19	9.09	0.0	21.0	0.0	397.7	117.6
5	0.61	12.2	0.6	746.83	32.86	16.43	0.0	21.0	0.0	718.2	212.4
6	0.39	12.5	0.4	469.22	20.65	10.32	0.0	21.0	0.0	451.0	133.4
7	0.56	12.8	0.6	736.81	32.42	16.21	0.0	21.0	0.0	708.0	209.4
8	0.44	13.2	0.5	672.96	29.61	14.81	0.0	21.0	0.0	646.4	191.2
9	0.52	13.5	0.5	815.51	35.88	17.94	0.0	21.0	0.0	783.1	231.6
10	0.49	13.8	0.5	728.53	32.06	16.03	0.0	21.0	0.0	699.4	206.8
11	0.47	14.1	0.5	627.96	27.63	13.82	0.0	21.0	0.0	602.7	178.2
12	0.48	14.4	0.5	534.02	23.5	11.75	0.0	21.0	0.0	512.4	151.5
13	0.48	14.7	0.5	465.58	20.49	10.24	0.0	21.0	0.0	446.7	132.1
14	0.58	15.1	0.6	563.68	24.8	12.4	0.0	21.0	0.0	540.7	159.9
15	0.37	15.4	0.4	353.21	15.54	7.77	0.0	21.0	0.0	338.8	100.2
16	0.63	15.7	0.7	566.75	24.94	12.47	0.0	21.0	0.0	543.5	160.7
17	0.33	16.0	0.3	258.96	11.39	5.7	0.0	21.0	0.0	248.3	73.4
18	0.48	16.3	0.5	291.74	12.84	6.42	0.0	21.0	0.0	279.8	82.7
19	0.47	16.6	0.5	181.33	7.98	3.99	0.0	21.0	0.0	173.9	51.4
20	0.49	16.9	0.5	68.88	3.03	1.52	0.0	21.0	0.0	66.1	19.5

xc = 26.747 yc = 107.448 Rc = 100.348 Fs=1.19

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.28	13.7	0.3	43.77	1.93	0.96	0.0	21.0	0.0	41.8	13.5
2	0.28	13.9	0.3	131.0	5.76	2.88	0.0	21.0	0.0	125.0	40.3
3	0.36	14.1	0.4	297.84	13.1	6.55	0.0	21.0	0.0	284.1	91.6
4	0.2	14.2	0.2	201.65	8.87	4.44	0.0	21.0	0.0	192.3	62.0
5	0.28	14.4	0.3	281.8	12.4	6.2	0.0	21.0	0.0	268.7	86.7
6	0.28	14.5	0.3	277.63	12.22	6.11	0.0	21.0	0.0	264.7	85.4
7	0.25	14.7	0.3	248.42	10.93	5.47	0.0	21.0	0.0	236.8	76.4
8	0.3	14.9	0.3	293.41	12.91	6.46	0.0	21.0	0.0	279.6	90.2
9	0.28	15.0	0.3	264.75	11.65	5.82	0.0	21.0	0.0	252.3	81.4
10	0.28	15.2	0.3	260.24	11.45	5.73	0.0	21.0	0.0	247.9	80.0
11	0.15	15.3	0.2	134.89	5.94	2.97	0.0	21.0	0.0	128.5	41.4
12	0.41	15.5	0.4	340.96	15.0	7.5	0.0	21.0	0.0	324.8	104.8
13	0.28	15.7	0.3	190.69	8.39	4.2	0.0	21.0	0.0	181.6	58.6
14	0.32	15.9	0.3	177.08	7.79	3.9	0.0	21.0	0.0	168.6	54.4
15	0.24	16.0	0.2	110.72	4.87	2.44	0.0	21.0	0.0	105.4	34.0
16	0.28	16.2	0.3	114.52	5.04	2.52	0.0	21.0	0.0	109.0	35.2
17	0.28	16.3	0.3	98.36	4.33	2.16	0.0	21.0	0.0	93.6	30.2
18	0.21	16.5	0.2	63.61	2.8	1.4	0.0	21.0	0.0	60.6	19.5
19	0.35	16.7	0.4	69.71	3.07	1.53	0.0	21.0	0.0	66.4	21.4
20	0.28	16.8	0.3	17.46	0.77	0.38	0.0	21.0	0.0	16.6	5.4

xc = 30.129 yc = 107.448 Rc = 99.671 Fs=1.316

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.06	11.7	0.1	0.56	0.02	0.01	0.0	21.0	0.0	0.5	0.2
2	0.67	11.9	0.7	277.11	12.19	6.1	0.0	21.0	0.0	266.8	77.8
3	0.34	12.2	0.3	344.48	15.16	7.58	0.0	21.0	0.0	331.5	96.7
4	0.39	12.4	0.4	474.38	20.87	10.44	0.0	21.0	0.0	456.4	133.1
5	0.36	12.6	0.4	445.93	19.62	9.81	0.0	21.0	0.0	429.0	125.1
6	0.25	12.8	0.3	308.15	13.56	6.78	0.0	21.0	0.0	296.4	86.4
7	0.48	13.0	0.5	587.01	25.83	12.91	0.0	21.0	0.0	564.4	164.6
8	0.53	13.3	0.5	651.23	28.65	14.33	0.0	21.0	0.0	626.0	182.6
9	0.2	13.5	0.2	241.17	10.61	5.31	0.0	21.0	0.0	231.8	67.6
10	0.36	13.7	0.4	400.19	17.61	8.8	0.0	21.0	0.0	384.6	112.2
11	0.44	13.9	0.5	418.44	18.41	9.21	0.0	21.0	0.0	402.0	117.3
12	0.29	14.1	0.3	246.34	10.84	5.42	0.0	21.0	0.0	236.6	69.0

13	0.36	14.3	0.4	293.75	12.92	6.46	0.0	21.0	0.0	282.2	82.3
14	0.35	14.5	0.4	264.87	11.65	5.83	0.0	21.0	0.0	254.4	74.2
15	0.38	14.8	0.4	247.77	10.9	5.45	0.0	21.0	0.0	237.9	69.4
16	0.36	15.0	0.4	187.56	8.25	4.13	0.0	21.0	0.0	180.1	52.5
17	0.26	15.2	0.3	103.32	4.55	2.27	0.0	21.0	0.0	99.2	28.9
18	0.47	15.4	0.5	133.63	5.88	2.94	0.0	21.0	0.0	128.3	37.4
19	0.36	15.6	0.4	68.53	3.02	1.51	0.0	21.0	0.0	65.8	19.2
20	0.36	15.9	0.4	35.09	1.54	0.77	0.0	21.0	0.0	33.7	9.8

xc = 33.511 yc = 107.448 Rc = 98.995 Fs=1.473

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.4	9.9	0.4	100.47	4.42	2.21	0.0	21.0	0.0	97.6	25.4
2	0.55	10.2	0.6	466.68	20.53	10.27	0.0	21.0	0.0	452.9	118.0
3	0.25	10.4	0.3	297.48	13.09	6.54	0.0	21.0	0.0	288.6	75.2
4	0.4	10.6	0.4	489.68	21.55	10.77	0.0	21.0	0.0	475.0	123.8
5	0.36	10.8	0.4	449.99	19.8	9.9	0.0	21.0	0.0	436.4	113.7
6	0.44	11.1	0.4	564.33	24.83	12.42	0.0	21.0	0.0	547.1	142.5
7	0.57	11.4	0.6	747.87	32.91	16.45	0.0	21.0	0.0	724.9	188.9
8	0.23	11.6	0.2	303.43	13.35	6.68	0.0	21.0	0.0	294.0	76.6
9	0.4	11.8	0.4	484.73	21.33	10.66	0.0	21.0	0.0	469.6	122.4
10	0.37	12.0	0.4	411.17	18.09	9.05	0.0	21.0	0.0	398.3	103.8
11	0.42	12.3	0.4	435.63	19.17	9.58	0.0	21.0	0.0	421.9	109.9
12	0.58	12.6	0.6	574.9	25.3	12.65	0.0	21.0	0.0	556.7	145.0
13	0.22	12.8	0.2	201.79	8.88	4.44	0.0	21.0	0.0	195.4	50.9
14	0.4	13.0	0.4	332.9	14.65	7.32	0.0	21.0	0.0	322.3	84.0
15	0.39	13.2	0.4	275.65	12.13	6.06	0.0	21.0	0.0	266.8	69.5
16	0.41	13.5	0.4	249.4	10.97	5.49	0.0	21.0	0.0	241.4	62.9
17	0.6	13.8	0.6	312.51	13.75	6.88	0.0	21.0	0.0	302.4	78.8
18	0.2	14.0	0.2	85.28	3.75	1.88	0.0	21.0	0.0	82.5	21.5
19	0.4	14.2	0.4	113.28	4.98	2.49	0.0	21.0	0.0	109.6	28.6
20	0.4	14.4	0.4	38.09	1.68	0.84	0.0	21.0	0.0	36.9	9.6

xc = 35.202 yc = 105.857 Rc = 97.379 Fs=1.256

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.94	8.6	1.0	171.6	7.55	3.78	0.0	21.0	0.0	165.9	50.7

2	1.01	9.2	1.01012.32	44.54	22.27	0.0	21.0	0.0	977.1	298.5
3	1.01	9.8	1.01712.55	75.35	37.68	0.0	21.0	0.0	1650.7	504.3
4	1.01	10.4	1.01815.51	79.88	39.94	0.0	21.0	0.0	1747.7	534.0
5	1.01	11.0	1.01730.59	76.15	38.07	0.0	21.0	0.0	1664.1	508.4
6	1.01	11.6	1.01569.36	69.05	34.53	0.0	21.0	0.0	1507.5	460.6
7	1.01	12.2	1.01396.85	61.46	30.73	0.0	21.0	0.0	1340.5	409.6
8	1.01	12.8	1.01175.68	51.73	25.87	0.0	21.0	0.0	1127.3	344.4
9	2.01	13.8	2.1 1302.3	57.3	28.65	0.0	21.0	0.0	1247.5	381.1
10	1.01	14.7	1.0 432.77	19.04	9.52	0.0	21.0	0.0	414.2	126.6
11	1.01	15.3	1.0 545.92	24.02	12.01	0.0	21.0	0.0	522.3	159.6
12	1.01	15.9	1.0 535.13	23.55	11.77	0.0	21.0	0.0	511.9	156.4
13	1.01	16.5	1.0 967.95	42.59	21.29	0.0	21.0	0.0	925.7	282.8
14	1.01	17.1	1.11546.33	68.04	34.02	0.0	21.0	0.0	1478.9	451.8
15	1.01	17.8	1.11451.03	63.85	31.92	0.0	21.0	0.0	1387.8	424.0
16	1.01	18.4	1.11454.31	63.99	31.99	0.0	21.0	0.0	1391.3	425.1
17	1.01	19.0	1.11397.74	61.5	30.75	0.0	21.0	0.0	1337.6	408.7
18	0.98	19.6	1.0 868.61	38.22	19.11	0.0	21.0	0.0	831.6	254.1
19	1.03	20.3	1.1 456.16	20.07	10.04	0.0	21.0	0.0	437.0	133.5
20	1.09	20.9	1.2 201.33	8.86	4.43	0.0	21.0	0.0	193.0	59.0

xc = 38.584 yc = 105.857 Rc = 96.703 Fs=1.302

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	7.3	1.0 652.88	28.73	14.36	0.0	21.0	0.0	634.3	187.1
2	1.01	7.9	1.01418.32	62.41	31.2	0.0	21.0	0.0	1375.7	405.7
3	1.01	8.5	1.01586.96	69.83	34.91	0.0	21.0	0.0	1537.0	453.3
4	1.01	9.1	1.01567.94	68.99	34.49	0.0	21.0	0.0	1516.4	447.2
5	1.01	9.7	1.01472.82	64.8	32.4	0.0	21.0	0.0	1422.5	419.5
6	1.01	10.3	1.01366.67	60.13	30.07	0.0	21.0	0.0	1318.4	388.8
7	1.01	10.9	1.01212.15	53.33	26.67	0.0	21.0	0.0	1168.1	344.5
8	2.01	11.8	2.11576.34	69.36	34.68	0.0	21.0	0.0	1516.9	447.4
9	1.01	12.7	1.0 671.11	29.53	14.76	0.0	21.0	0.0	645.1	190.2
10	1.01	13.3	1.0 852.26	37.5	18.75	0.0	21.0	0.0	818.7	241.4
11	1.01	13.9	1.0 909.9	40.04	20.02	0.0	21.0	0.0	873.6	257.6
12	1.02	14.6	1.1 1445.3	63.59	31.8	0.0	21.0	0.0	1387.0	409.1
13	0.99	15.2	1.02025.69	89.13	44.57	0.0	21.0	0.0	1943.4	573.2
14	1.01	15.8	1.02033.81	89.49	44.74	0.0	21.0	0.0	1950.9	575.3
15	1.01	16.4	1.02107.46	92.73	46.36	0.0	21.0	0.0	2021.4	596.1
16	1.01	17.0	1.12121.79	93.36	46.68	0.0	21.0	0.0	2035.2	600.2
17	1.44	17.8	1.52214.44	97.44	48.72	0.0	21.0	0.0	2124.6	626.6
18	0.57	18.4	0.6 729.71	32.11	16.05	0.0	21.0	0.0	700.3	206.5
19	1.01	18.9	1.11138.51	50.09	25.05	0.0	21.0	0.0	1093.0	322.4
20	1.69	19.8	1.8 907.58	39.93	19.97	0.0	21.0	0.0	872.0	257.2

xc = 41.966 yc = 105.857 Rc = 95.927 Fs=2.154

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.43	5.5	0.4	128.24	5.64	2.82	0.0	21.0	0.0	126.7	22.6
2	1.01	5.9	1.0	723.25	31.82	15.91	0.0	21.0	0.0	714.0	127.2
3	1.01	6.5	1.0	957.32	42.12	21.06	0.0	21.0	0.0	944.3	168.3
4	1.01	7.1	1.0	1003.81	44.17	22.08	0.0	21.0	0.0	989.6	176.4
5	1.01	7.7	1.0	974.37	42.87	21.44	0.0	21.0	0.0	960.1	171.1
6	1.01	8.3	1.0	934.03	41.1	20.55	0.0	21.0	0.0	920.0	163.9
7	1.01	8.9	1.0	845.51	37.2	18.6	0.0	21.0	0.0	832.6	148.4
8	2.01	9.8	2.0	1041.79	45.84	22.92	0.0	21.0	0.0	1025.6	182.8
9	1.01	10.8	1.0	503.75	22.17	11.08	0.0	21.0	0.0	496.0	88.4
10	1.01	11.4	1.0	751.87	33.08	16.54	0.0	21.0	0.0	740.4	131.9
11	1.01	12.0	1.0	876.75	38.58	19.29	0.0	21.0	0.0	863.6	153.9
12	1.01	12.6	1.0	1446.0	63.62	31.81	0.0	21.0	0.0	1424.9	253.9
13	1.01	13.2	1.0	2161.66	95.11	47.56	0.0	21.0	0.0	2131.3	379.8
14	1.01	13.8	1.0	2204.52	97.0	48.5	0.0	21.0	0.0	2174.9	387.6
15	1.01	14.5	1.0	2346.9	103.26	51.63	0.0	21.0	0.0	2317.2	412.9
16	3.02	15.7	3.1	6164.06	271.22	135.61	0.0	21.0	0.0	6097.5	1086.6
17	2.41	17.4	2.5	3565.07	156.86	78.43	0.15	24.0	0.0	2991.3	2377.4
18	1.09	18.5	1.1	561.29	24.7	12.35	0.15	24.0	0.0	303.5	862.4
19	0.68	19.0	0.7	420.48	18.5	9.25	0.15	24.0	0.0	253.1	555.4
20	1.92	19.9	2.0	1157.27	50.92	25.46	0.0	21.0	0.0	1156.1	206.0

xc = 28.438 yc = 109.04 Rc = 101.287 Fs=1.282

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	12.8	0.2	31.59	1.39	0.69	0.0	21.0	0.0	30.3	9.1
2	0.31	13.0	0.3	140.44	6.18	3.09	0.0	21.0	0.0	134.8	40.4
3	0.15	13.1	0.2	97.54	4.29	2.15	0.0	21.0	0.0	93.6	28.0
4	0.23	13.2	0.2	146.48	6.45	3.22	0.0	21.0	0.0	140.6	42.1
5	0.23	13.3	0.2	145.73	6.41	3.21	0.0	21.0	0.0	139.8	41.9
6	0.23	13.5	0.2	144.74	6.37	3.18	0.0	21.0	0.0	138.9	41.6
7	0.15	13.6	0.2	93.6	4.12	2.06	0.0	21.0	0.0	89.8	26.9
8	0.31	13.7	0.3	192.78	8.48	4.24	0.0	21.0	0.0	184.9	55.4
9	0.23	13.9	0.2	142.07	6.25	3.13	0.0	21.0	0.0	136.3	40.8

10	0.23	14.0	0.2	141.07	6.21	3.1	0.0	21.0	0.0	135.3	40.5
11	0.23	14.2	0.2	135.15	5.95	2.97	0.0	21.0	0.0	129.6	38.8
12	0.24	14.3	0.2	132.8	5.84	2.92	0.0	21.0	0.0	127.3	38.1
13	0.23	14.4	0.2	107.4	4.73	2.36	0.0	21.0	0.0	103.0	30.8
14	0.23	14.6	0.2	86.38	3.8	1.9	0.0	21.0	0.0	82.8	24.8
15	0.3	14.7	0.3	79.59	3.5	1.75	0.0	21.0	0.0	76.3	22.8
16	0.17	14.9	0.2	32.46	1.43	0.71	0.0	21.0	0.0	31.1	9.3
17	0.23	15.0	0.2	37.62	1.66	0.83	0.0	21.0	0.0	36.1	10.8
18	0.23	15.1	0.2	28.58	1.26	0.63	0.0	21.0	0.0	27.4	8.2
19	0.23	15.3	0.2	19.27	0.85	0.42	0.0	21.0	0.0	18.5	5.5
20	0.23	15.4	0.2	9.71	0.43	0.21	0.0	21.0	0.0	9.3	2.8

xc = 31.82 yc = 109.04 Rc = 100.611 Fs=1.43

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.28	10.9	0.3	49.15	2.16	1.08	0.0	21.0	0.0	47.6	12.8
2	0.28	11.1	0.3	148.28	6.52	3.26	0.0	21.0	0.0	143.5	38.5
3	0.28	11.3	0.3	197.61	8.7	4.35	0.0	21.0	0.0	191.3	51.3
4	0.28	11.4	0.3	202.92	8.93	4.46	0.0	21.0	0.0	196.4	52.7
5	0.28	11.6	0.3	206.66	9.09	4.55	0.0	21.0	0.0	200.0	53.7
6	0.16	11.7	0.2	116.82	5.14	2.57	0.0	21.0	0.0	113.0	30.3
7	0.41	11.9	0.4	307.45	13.53	6.76	0.0	21.0	0.0	297.4	79.8
8	0.28	12.1	0.3	218.03	9.59	4.8	0.0	21.0	0.0	210.9	56.6
9	0.31	12.3	0.3	246.16	10.83	5.42	0.0	21.0	0.0	238.0	63.9
10	0.25	12.4	0.3	188.63	8.3	4.15	0.0	21.0	0.0	182.4	48.9
11	0.28	12.6	0.3	188.01	8.27	4.14	0.0	21.0	0.0	181.8	48.8
12	0.28	12.7	0.3	162.07	7.13	3.57	0.0	21.0	0.0	156.7	42.0
13	0.19	12.9	0.2	92.94	4.09	2.04	0.0	21.0	0.0	89.8	24.1
14	0.38	13.0	0.4	168.69	7.42	3.71	0.0	21.0	0.0	163.0	43.7
15	0.28	13.2	0.3	116.73	5.14	2.57	0.0	21.0	0.0	112.8	30.3
16	0.34	13.4	0.4	130.31	5.73	2.87	0.0	21.0	0.0	125.9	33.8
17	0.22	13.6	0.2	71.52	3.15	1.57	0.0	21.0	0.0	69.1	18.5
18	0.28	13.7	0.3	66.89	2.94	1.47	0.0	21.0	0.0	64.6	17.3
19	0.28	13.9	0.3	39.24	1.73	0.86	0.0	21.0	0.0	37.9	10.2
20	0.28	14.1	0.3	11.14	0.49	0.25	0.0	21.0	0.0	10.8	2.9

xc = 35.202 yc = 109.04 Rc = 99.935 Fs=1.617

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.43	9.2	0.4	118.63	5.22	2.61	0.0	21.0	0.0	115.7	27.5
2	0.23	9.3	0.2	130.03	5.72	2.86	0.0	21.0	0.0	126.8	30.1
3	0.33	9.5	0.3	197.1	8.67	4.34	0.0	21.0	0.0	192.2	45.6
4	0.45	9.7	0.5	285.49	12.56	6.28	0.0	21.0	0.0	278.3	66.1
5	0.21	9.9	0.2	144.31	6.35	3.17	0.0	21.0	0.0	140.7	33.4
6	0.33	10.1	0.3	233.18	10.26	5.13	0.0	21.0	0.0	227.2	53.9
7	0.46	10.3	0.5	346.91	15.26	7.63	0.0	21.0	0.0	338.0	80.2
8	0.2	10.5	0.2	147.59	6.49	3.25	0.0	21.0	0.0	143.8	34.1
9	0.33	10.7	0.3	224.96	9.9	4.95	0.0	21.0	0.0	219.1	52.0
10	0.48	10.9	0.5	276.32	12.16	6.08	0.0	21.0	0.0	269.1	63.9
11	0.18	11.1	0.2	92.1	4.05	2.03	0.0	21.0	0.0	89.7	21.3
12	0.33	11.2	0.3	165.36	7.28	3.64	0.0	21.0	0.0	161.0	38.2
13	0.33	11.4	0.3	161.02	7.08	3.54	0.0	21.0	0.0	156.8	37.2
14	0.17	11.6	0.2	79.06	3.48	1.74	0.0	21.0	0.0	77.0	18.3
15	0.49	11.8	0.5	200.27	8.81	4.41	0.0	21.0	0.0	194.9	46.3
16	0.33	12.0	0.3	95.79	4.21	2.11	0.0	21.0	0.0	93.2	22.1
17	0.18	12.2	0.2	39.59	1.74	0.87	0.0	21.0	0.0	38.5	9.1
18	0.48	12.4	0.5	76.63	3.37	1.69	0.0	21.0	0.0	74.6	17.7
19	0.33	12.6	0.3	35.17	1.55	0.77	0.0	21.0	0.0	34.2	8.1
20	0.33	12.8	0.3	19.85	0.87	0.44	0.0	21.0	0.0	19.3	4.6

xc = 38.584 yc = 109.04 Rc = 99.258 Fs=1.867

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.15	7.3	0.2	15.25	0.67	0.34	0.0	21.0	0.0	15.0	3.1
2	0.49	7.5	0.5	121.86	5.36	2.68	0.0	21.0	0.0	119.7	24.6
3	0.32	7.8	0.3	102.51	4.51	2.26	0.0	21.0	0.0	100.6	20.7
4	0.19	7.9	0.2	69.08	3.04	1.52	0.0	21.0	0.0	67.8	13.9
5	0.45	8.1	0.5	189.46	8.34	4.17	0.0	21.0	0.0	185.9	38.2
6	0.32	8.3	0.3	156.46	6.88	3.44	0.0	21.0	0.0	153.5	31.6
7	0.23	8.5	0.2	123.21	5.42	2.71	0.0	21.0	0.0	120.9	24.9
8	0.41	8.7	0.4	211.56	9.31	4.65	0.0	21.0	0.0	207.5	42.7
9	0.32	8.9	0.3	142.23	6.26	3.13	0.0	21.0	0.0	139.5	28.7
10	0.27	9.0	0.3	103.91	4.57	2.29	0.0	21.0	0.0	101.9	21.0
11	0.37	9.2	0.4	134.23	5.91	2.95	0.0	21.0	0.0	131.6	27.1
12	0.32	9.4	0.3	119.09	5.24	2.62	0.0	21.0	0.0	116.7	24.0
13	0.31	9.6	0.3	117.43	5.17	2.58	0.0	21.0	0.0	115.1	23.7
14	0.33	9.8	0.3	114.22	5.03	2.51	0.0	21.0	0.0	111.9	23.0
15	0.32	10.0	0.3	88.41	3.89	1.94	0.0	21.0	0.0	86.6	17.8
16	0.35	10.2	0.4	70.7	3.11	1.56	0.0	21.0	0.0	69.3	14.2
17	0.29	10.4	0.3	44.31	1.95	0.97	0.0	21.0	0.0	43.4	8.9

18	0.32	10.6	0.3	42.37	1.86	0.93	0.0	21.0	0.0	41.5	8.5
19	0.32	10.8	0.3	34.83	1.53	0.77	0.0	21.0	0.0	34.1	7.0
20	0.32	11.0	0.3	18.63	0.82	0.41	0.0	21.0	0.0	18.3	3.8

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All. 2C - verifiche di stabilità in condizioni drenate e statiche allo stato di progetto

Sez AB

Analisi di stabilità dei pendii con : BISHOP (1955)

Zona	Mutigliano
Lat./Long.	43.882265/10.471627 °
Calcolo eseguito secondo	NTC 2018
Numero di strati	3.0
Numero dei conci	20.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	-81.01 m
Ordinata vertice sinistro inferiore yi	23.09 m
Ascissa vertice destro superiore xs	-81.01 m
Ordinata vertice destro superiore ys	118.59 m
Passo di ricerca	5.0
Numero di celle lungo x	30.0
Numero di celle lungo y	30.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:	
Classe d'uso:	
Vita nominale:	0.0 [anni]
Vita di riferimento:	0.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:	
Categoria topografica:	

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	0.0	0.0	0.0	0.0
S.L.D.	0.0	0.0	0.0	0.0
S.L.V.	0.0	0.0	0.0	0.0
S.L.C.	0.0	0.0	0.0	0.0

Coefficienti sismici orizzontali e verticali

Opera:

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]
S.L.O.	0.0	0.0	0.0	0.0

S.L.D.	0.0	0.0	0.0	0.0
S.L.V.	0.0	0.0	0.0	0.0
S.L.C.	0.0	0.0	0.0	0.0

Vertici profilo

Nr	X (m)	y (m)
1	0.0	0.0
2	1.01	0.04
3	2.01	0.03
4	3.02	0.11
5	4.02	0.19
6	5.03	0.26
7	6.04	0.25
8	7.04	0.24
9	8.05	0.24
10	9.06	0.7
11	10.06	0.78
12	11.07	1.17
13	12.07	1.66
14	13.08	1.95
15	14.09	2.22
16	15.09	2.49
17	16.1	2.75
18	17.11	3.22
19	18.11	3.22
20	19.12	3.4
21	20.12	3.58
22	21.13	4.02
23	22.14	4.35
24	23.14	4.5
25	24.15	4.56
26	25.15	4.59
27	26.16	4.61
28	27.17	4.61
29	28.17	4.64
30	29.18	4.72
31	30.19	5.24
32	31.19	6.48
33	32.2	6.71
34	33.2	6.85
35	34.21	6.83
36	35.22	6.86
37	36.22	6.97
38	37.23	7.04
39	38.23	7.04
40	39.24	7.08
41	40.25	7.09
42	41.25	7.26
43	42.26	7.41
44	43.27	7.65

45	44.27	7.94
46	45.28	8.35
47	46.28	8.64
48	47.29	9.06
49	48.3	9.06
50	49.3	9.49
51	50.31	9.85
52	51.32	10.71
53	52.32	10.94
54	53.33	11.18
55	54.33	11.23
56	55.34	11.41
57	56.35	11.47
58	57.35	11.62
59	58.36	11.62
60	59.36	11.75
61	60.37	12.02
62	61.38	12.41
63	62.38	12.57
64	63.39	13.46
65	64.4	13.8
66	65.4	13.99
67	66.41	14.46
68	67.41	14.61
69	68.42	14.61
70	69.43	14.87
71	70.43	15.1
72	71.71	15.16
73	72.93	15.15
74	73.61	15.87
75	74.43	15.93
76	74.69	16.0
77	85.39	16.0
78	85.39	19.5
79	85.53	19.54
80	86.53	19.52
81	87.54	19.58
82	88.54	19.58
83	89.55	19.71
84	90.56	19.87
85	91.56	20.07
86	92.57	20.4
87	93.57	20.37
88	94.58	20.34
89	95.59	20.3
90	96.59	20.27
91	97.6	20.24
92	98.61	20.24
93	99.61	20.25
94	100.62	20.23
95	101.62	20.02
96	102.63	20.07

97	103.64	20.06
98	104.64	20.04
99	105.65	20.41
100	106.66	21.44
101	107.66	22.59
102	108.67	22.59
103	109.67	23.24
104	110.68	23.43
105	111.69	23.79
106	112.69	23.93
107	113.7	24.14

Falda

Nr.	X (m)	y (m)
1	0.45	-1.05
2	30.6	5.1
3	50.4	8.55
4	74.85	13.95
5	83.27	15.19
6	85.7	15.3
7	89.4	17.7
8	103.5	19.65
9	115.72	21.27

Vertici strato 1

N	X (m)	y (m)
1	0.0	-2.69
2	15.77	1.31
3	27.16	3.67
4	39.31	6.05
5	47.86	7.94
6	57.53	10.07
7	61.58	11.39
8	72.93	15.15
9	75.99	15.88
10	79.52	15.98
11	82.66	15.74
12	85.28	16.05
13	85.35	18.29
14	88.66	18.96
15	98.58	19.32
16	101.19	19.45
17	106.14	19.81
18	113.7	21.14

Vertici strato 2

N	X (m)	y (m)
1	0.0	-6.19
2	27.17	0.01
3	40.3	3.41
4	51.15	5.94

5	59.72	8.62
6	64.14	10.29
7	69.61	12.34
8	77.88	14.61
9	83.07	15.82
10	85.28	15.95
11	85.39	16.54
12	94.79	18.11
13	101.19	18.77
14	103.08	18.91
15	108.61	19.48
16	113.7	20.13

Coefficienti parziali azioni

Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

Coefficienti parziali per i parametri geotecnici del terreno

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	Si

Stratigrafia

Strato	Coesione (kg/cm²)	Coesione non drenata (kg/cm²)	Angolo resistenza al taglio (°)	Peso unità di volume (Kg/m³)	Peso unità di volume saturo (Kg/m³)	Litologia	
1	0		21	1850	1850	O	
2	0.15		24	1900	1900	A	
3	1.4		27	2100	2100	B	

Muri di sostegno - Caratteristiche geometriche

N°	x (m)	y (m)	Base mensola a valle (m)	Base mensola a monte (m)	Altezza muro (m)	Spessore testa (m)	Spessore base (m)	Peso specifico (Kg/m³)
1	85.39	16	2	1	3.5	0.3	0.3	2400

Carichi distribuiti

N°	xi (m)	yi (m)	xf (m)	yf (m)	Carico esterno (kg/cm²)
1	77	15.8	85	15.8	1

Risultati analisi pendio [A2+M2+R2]

Fs minimo individuato	0.82
Ascissa centro superficie	60.36 m

Ordinata centro superficie 24.68 m
Raggio superficie 12.14 m
==========

xc = 30.279 yc = 24.68 Rc = 18.52 Fs=2.201

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.25	2.4	0.3	69.46	0.0	0.0	0.0	17.1	0.0	69.1	9.6
2	0.19	3.1	0.2	113.71	0.0	0.0	0.0	17.1	0.0	113.0	15.8
3	0.22	3.8	0.2	144.57	0.0	0.0	0.0	17.1	0.0	143.6	20.0
4	0.22	4.5	0.2	158.93	0.0	0.0	0.0	17.1	0.0	157.7	22.0
5	0.22	5.2	0.2	172.18	0.0	0.0	0.0	17.1	0.0	170.7	23.8
6	0.14	5.7	0.1	117.4	0.0	0.0	0.0	17.1	0.0	116.4	16.2
7	0.3	6.4	0.3	254.75	0.0	0.0	0.0	17.1	0.0	252.4	35.2
8	0.22	7.2	0.2	190.0	0.0	0.0	0.0	17.1	0.0	188.2	26.3
9	0.22	7.9	0.2	190.55	0.0	0.0	0.0	17.1	0.0	188.7	26.3
10	0.26	8.7	0.3	220.71	0.0	0.0	0.0	17.1	0.0	218.6	30.5
11	0.19	9.4	0.2	152.39	0.0	0.0	0.0	17.1	0.0	151.0	21.1
12	0.22	10.0	0.2	165.86	0.0	0.0	0.0	17.1	0.0	164.4	22.9
13	0.22	10.7	0.2	147.25	0.0	0.0	0.0	17.1	0.0	146.0	20.4
14	0.22	11.4	0.2	127.46	0.0	0.0	0.0	17.1	0.0	126.5	17.6
15	0.15	12.0	0.2	74.83	0.0	0.0	0.0	17.1	0.0	74.3	10.4
16	0.29	12.7	0.3	120.07	0.0	0.0	0.0	17.1	0.0	119.3	16.6
17	0.22	13.5	0.2	69.35	0.0	0.0	0.0	17.1	0.0	69.0	9.6
18	0.22	14.3	0.2	49.39	0.0	0.0	0.0	17.1	0.0	49.2	6.9
19	0.22	15.0	0.2	28.22	0.0	0.0	0.0	17.1	0.0	28.2	3.9
20	0.22	15.7	0.2	8.01	0.0	0.0	0.0	17.1	0.0	8.0	1.1

xc = 42.31 yc = 24.68 Rc = 18.642 Fs=2.131

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.79	-17.1	0.8	224.67	0.0	0.0	0.0	17.1	0.0	245.9	35.4
2	1.11	-14.1	1.1	912.42	0.0	0.0	0.0	17.1	0.0	975.8	140.6
3	0.91	-10.9	0.91	155.81	0.0	0.0	0.0	17.1	144.1	1059.7	152.7
4	1.01	-7.9	1.01	621.94	0.0	0.0	0.0	17.1	487.3	1169.0	168.5
5	1.01	-4.8	1.02	011.54	0.0	0.0	0.12	19.6	768.0	1314.2	788.4
6	1.01	-1.7	1.02	429.82	0.0	0.0	0.12	19.6	1005.4	1449.1	809.2
7	1.01	1.4	1.02	809.21	0.0	0.0	0.12	19.6	1188.1	1601.3	834.5
8	1.01	4.5	1.0	3214.9	0.0	0.0	0.12	19.6	1304.0	1847.9	877.3
9	1.01	7.6	1.03	673.97	0.0	0.0	0.12	19.6	1376.8	2192.3	938.2
10	1.01	10.7	1.04	026.36	0.0	0.0	0.12	19.6	1393.4	2491.5	993.3
11	1.01	13.9	1.04	278.46	0.0	0.0	0.12	19.6	1352.3	2755.9	1044.5

12	0.53	16.3	0.62258.16	0.0	0.0	0.12	19.6	672.7	1487.9	560.2
13	0.95	18.7	1.03622.34	0.0	0.0	0.12	19.6	1105.0	2334.5	954.3
14	0.53	21.2	0.6 2079.6	0.0	0.0	0.12	19.6	541.3	1432.2	561.3
15	1.01	23.7	1.13873.66	0.0	0.0	0.12	19.6	846.0	2827.3	1091.6
16	1.01	27.1	1.14106.09	0.0	0.0	0.12	19.6	552.8	3377.1	1201.4
17	1.01	30.7	1.24069.95	0.0	0.0	0.12	19.6	221.9	3715.0	1279.9
18	1.01	34.4	1.23305.72	0.0	0.0	0.0	17.1	0.0	3645.1	525.3
19	1.01	38.2	1.32202.33	0.0	0.0	0.0	17.1	0.0	2516.9	362.7
20	1.08	42.4	1.5 841.17	0.0	0.0	0.0	17.1	0.0	1006.6	145.1

xc = 45.318 yc = 23.088 Rc = 17.051 Fs=2.045

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.81	-18.7	0.9 219.59	0.0	0.0	0.0	17.1	0.0	244.3	36.7
2	1.01	-15.5	1.0 959.68	0.0	0.0	0.0	17.1	206.7	815.7	122.5
3	1.01	-12.1	1.01726.48	0.0	0.0	0.12	19.6	635.2	1293.0	829.0
4	1.01	-8.6	1.02451.54	0.0	0.0	0.12	19.6	999.9	1601.1	876.1
5	1.01	-5.2	1.03189.32	0.0	0.0	0.12	19.6	1290.6	1992.4	939.9
6	1.01	-1.8	1.0 3970.3	0.0	0.0	0.12	19.6	1532.8	2471.3	1021.2
7	1.01	1.6	1.04637.51	0.0	0.0	0.12	19.6	1715.1	2893.8	1094.7
8	1.01	4.9	1.05200.25	0.0	0.0	0.12	19.6	1837.5	3274.7	1163.0
9	0.47	7.4	0.52557.06	0.0	0.0	0.12	19.6	881.2	1616.8	561.2
10	0.92	9.8	0.94826.99	0.0	0.0	0.12	19.6	1748.4	2940.4	1063.0
11	0.62	12.5	0.63377.46	0.0	0.0	0.12	19.6	1150.0	2118.0	738.5
12	1.01	15.3	1.05732.06	0.0	0.0	0.12	19.6	1824.2	3707.5	1257.8
13	1.01	18.8	1.16289.56	0.0	0.0	0.12	19.6	1702.0	4374.4	1385.6
14	1.01	22.4	1.1 6592.1	0.0	0.0	0.12	19.6	1549.3	4843.5	1482.4
15	1.01	26.1	1.1 6173.6	0.0	0.0	0.12	19.6	1320.9	4682.5	1473.3
16	1.01	30.0	1.25430.44	0.0	0.0	0.12	19.6	997.7	4292.8	1429.3
17	1.01	34.0	1.24456.36	0.0	0.0	0.12	19.6	594.4	3738.3	1363.0
18	1.01	38.1	1.33292.03	0.0	0.0	0.12	19.6	86.0	3067.4	1285.1
19	0.67	41.8	0.91413.36	0.0	0.0	0.0	17.1	0.0	1671.5	251.0
20	0.92	45.5	1.3 837.02	0.0	0.0	0.0	17.1	0.0	1036.2	155.6

xc = 48.326 yc = 24.68 Rc = 18.547 Fs=2.137

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.5	-19.9	0.5	122.54	0.0	0.0	0.0	17.1	0.0	137.5	19.8
2	1.01	-17.5	1.1	1013.32	0.0	0.0	0.0	17.1	238.3	850.9	122.3
3	1.01	-14.2	1.0	2054.84	0.0	0.0	0.12	19.6	693.5	1620.8	853.1
4	1.01	-11.0	1.0	3148.56	0.0	0.0	0.12	19.6	1100.3	2273.2	954.6
5	1.01	-7.9	1.0	4131.83	0.0	0.0	0.12	19.6	1448.9	2853.5	1046.1
6	1.01	-4.8	1.0	5016.92	0.0	0.0	0.12	19.6	1741.0	3381.4	1130.7
7	2.01	-0.1	2.0	11093.53	0.0	0.0	0.12	19.6	4138.4	6958.8	2290.1
8	1.01	4.6	1.0	6585.98	0.0	0.0	0.12	19.6	2273.6	4224.4	1271.0
9	1.01	7.7	1.0	7525.68	0.0	0.0	0.12	19.6	2352.6	5029.6	1408.6
10	1.01	10.9	1.0	8237.12	0.0	0.0	0.12	19.6	2415.1	5637.5	1515.1
11	1.01	14.0	1.0	8261.19	0.0	0.0	0.12	19.6	2419.6	5640.7	1522.7
12	1.01	17.3	1.1	8003.38	0.0	0.0	0.12	19.6	2351.9	5451.9	1500.5
13	1.01	20.6	1.1	7569.7	0.0	0.0	0.12	19.6	2233.0	5151.4	1462.2
14	1.01	23.9	1.1	7018.06	0.0	0.0	0.12	19.6	2047.1	4808.4	1419.7
15	1.01	27.4	1.1	6301.69	0.0	0.0	0.12	19.6	1777.2	4386.9	1367.5
16	0.9	30.7	1.0	4855.19	0.0	0.0	0.12	19.6	1303.5	3442.2	1160.2
17	1.11	34.4	1.4	4807.2	0.0	0.0	0.12	19.6	1155.2	3506.7	1343.6
18	1.01	38.5	1.3	3244.06	0.0	0.0	0.12	19.6	482.4	2608.6	1157.0
19	0.97	42.5	1.3	2170.89	0.0	0.0	0.12	19.6	0.0	1965.9	1068.4
20	1.03	46.9	1.5	937.3	0.0	0.0	0.0	17.1	0.0	1189.2	170.9

xc = 60.357 yc = 24.68 Rc = 12.138 Fs=0.821

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.22	11.1	0.2	32.1	0.0	0.0	0.0	17.1	0.0	30.5	11.4
2	0.22	12.2	0.2	94.95	0.0	0.0	0.0	17.1	0.0	89.9	33.6
3	0.22	13.3	0.2	155.96	0.0	0.0	0.0	17.1	0.0	147.3	55.1
4	0.14	14.1	0.1	123.81	0.0	0.0	0.0	17.1	0.0	116.7	43.6
5	0.31	15.2	0.3	314.76	0.0	0.0	0.0	17.1	0.0	296.1	110.7
6	0.22	16.5	0.2	232.01	0.0	0.0	0.0	17.1	0.0	217.8	81.4
7	0.22	17.6	0.2	234.83	0.0	0.0	0.0	17.1	0.0	220.2	82.3
8	0.25	18.8	0.3	260.37	0.0	0.0	0.0	17.1	0.0	244.0	91.2
9	0.2	19.9	0.2	204.28	0.0	0.0	0.0	17.1	0.0	191.4	71.5
10	0.22	21.0	0.2	212.03	0.0	0.0	0.0	17.1	0.0	198.6	74.3
11	0.22	22.1	0.2	192.91	0.0	0.0	0.0	17.1	0.0	180.8	67.6
12	0.22	23.3	0.2	171.63	0.0	0.0	0.0	17.1	0.0	161.0	60.2
13	0.13	24.2	0.1	92.09	0.0	0.0	0.0	17.1	0.0	86.4	32.3
14	0.31	25.4	0.3	203.78	0.0	0.0	0.0	17.1	0.0	191.6	71.6
15	0.22	26.8	0.3	143.27	0.0	0.0	0.0	17.1	0.0	135.0	50.5
16	0.22	28.0	0.3	138.58	0.0	0.0	0.0	17.1	0.0	130.9	48.9
17	0.25	29.2	0.3	143.94	0.0	0.0	0.0	17.1	0.0	136.4	51.0
18	0.2	30.5	0.2	97.19	0.0	0.0	0.0	17.1	0.0	92.4	34.6
19	0.22	31.6	0.3	68.0	0.0	0.0	0.0	17.1	0.0	64.9	24.3

20	0.22	32.9	0.3	23.38	0.0	0.0	0.0	17.1	0.0	22.4	8.4

xc = 42.31 yc = 27.863 Rc = 21.495 Fs=2.079

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.2	-13.9	0.2	11.87	0.0	0.0	0.0	17.1	0.0	12.7	1.9
2	2.01	-10.9	2.01	053.75	0.0	0.0	0.0	17.1	0.0	1104.8	163.2
3	1.01	-6.9	1.01	050.24	0.0	0.0	0.0	17.1	178.3	894.1	132.1
4	1.01	-4.2	1.01	398.41	0.0	0.0	0.0	17.1	443.8	967.5	142.9
5	1.01	-1.5	1.01	799.39	0.0	0.0	0.12	19.6	673.6	1146.2	777.5
6	0.52	0.6	0.51	076.19	0.0	0.0	0.12	19.6	421.0	651.2	412.9
7	0.48	1.9	0.51	099.09	0.0	0.0	0.12	19.6	431.7	654.8	392.0
8	1.01	3.9	1.02	596.92	0.0	0.0	0.12	19.6	978.8	1564.0	850.2
9	1.01	6.6	1.03	083.27	0.0	0.0	0.12	19.6	1065.9	1925.2	914.6
10	1.01	9.3	1.03	477.72	0.0	0.0	0.12	19.6	1104.7	2245.3	973.4
11	1.01	12.0	1.03	787.71	0.0	0.0	0.12	19.6	1094.1	2535.0	1028.3
12	1.24	15.1	1.34	539.49	0.0	0.0	0.12	19.6	1252.1	3062.6	1268.6
13	0.77	17.9	0.82	755.99	0.0	0.0	0.12	19.6	681.9	1922.5	795.7
14	1.01	20.4	1.13	669.39	0.0	0.0	0.12	19.6	738.5	2722.9	1086.4
15	1.01	23.3	1.14	044.56	0.0	0.0	0.12	19.6	520.4	3319.7	1201.3
16	1.01	26.3	1.14	182.39	0.0	0.0	0.12	19.6	281.1	3716.6	1284.6
17	1.01	29.3	1.23	622.15	0.0	0.0	0.0	17.1	0.0	3835.4	566.6
18	1.01	32.4	1.2	2773.5	0.0	0.0	0.0	17.1	0.0	3003.8	443.8
19	0.91	35.5	1.11	604.57	0.0	0.0	0.0	17.1	0.0	1783.1	263.4
20	0.96	38.6	1.2	648.89	0.0	0.0	0.0	17.1	0.0	743.0	109.8

xc = 45.318 yc = 26.271 Rc = 19.359 Fs=2.189

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.77	-10.3	0.8	188.99	0.0	0.0	0.0	17.1	0.0	197.1	27.7
2	1.01	-7.6	1.0	836.46	0.0	0.0	0.0	17.1	142.7	713.2	100.1
3	1.01	-4.6	1.01	532.61	0.0	0.0	0.12	19.6	418.6	1177.4	745.1
4	0.51	-2.3	0.51	061.79	0.0	0.0	0.12	19.6	308.9	770.1	405.5
5	0.5	-0.9	0.51	234.52	0.0	0.0	0.12	19.6	348.2	892.7	417.0
6	1.01	1.4	1.02	966.09	0.0	0.0	0.12	19.6	835.4	2109.9	895.2
7	1.01	4.4	1.0	3541.9	0.0	0.0	0.12	19.6	964.7	2511.4	962.0
8	0.79	7.0	0.8	2960.0	0.0	0.0	0.12	19.6	808.8	2072.2	773.4

9	1.22	10.0	1.2	4628.3	0.0	0.0	0.12	19.6	1272.0	3195.9	1201.0
10	0.43	12.5	0.4	1749.46	0.0	0.0	0.12	19.6	434.1	1249.1	442.6
11	0.58	14.1	0.6	2447.6	0.0	0.0	0.12	19.6	577.5	1773.5	616.5
12	1.01	16.5	1.0	4833.55	0.0	0.0	0.12	19.6	935.7	3715.7	1180.1
13	1.01	19.6	1.1	5232.25	0.0	0.0	0.12	19.6	833.6	4216.4	1271.9
14	1.01	22.8	1.1	4934.09	0.0	0.0	0.12	19.6	668.5	4095.6	1265.1
15	0.52	25.3	0.6	2359.93	0.0	0.0	0.12	19.6	256.4	2021.2	646.3
16	0.48	27.0	0.5	1976.37	0.0	0.0	0.12	19.6	169.3	1732.9	579.0
17	1.01	29.5	1.2	3552.97	0.0	0.0	0.12	19.6	118.9	3284.3	1168.1
18	1.01	33.0	1.2	2639.08	0.0	0.0	0.0	17.1	0.0	2882.8	404.5
19	0.8	36.2	1.0	1313.21	0.0	0.0	0.0	17.1	0.0	1475.8	207.1
20	0.82	39.2	1.1	527.94	0.0	0.0	0.0	17.1	0.0	611.6	85.8

xc = 63.365 yc = 26.271 Rc = 12.707 Fs=1.315

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.24	2.1	0.2	15.67	0.0	0.0	0.0	17.1	0.0	15.5	3.6
2	0.24	3.1	0.2	45.57	0.0	0.0	0.0	17.1	0.0	45.1	10.5
3	0.21	4.2	0.2	66.14	0.0	0.0	0.0	17.1	0.0	65.2	15.2
4	0.26	5.2	0.3	98.09	0.0	0.0	0.0	17.1	0.0	96.4	22.5
5	0.24	6.3	0.2	99.63	0.0	0.0	0.0	17.1	0.0	97.7	22.8
6	0.24	7.4	0.2	106.61	0.0	0.0	0.0	17.1	0.0	104.3	24.4
7	0.28	8.6	0.3	133.49	0.0	0.0	0.0	17.1	0.0	130.4	30.5
8	0.19	9.7	0.2	102.22	0.0	0.0	0.0	17.1	0.0	99.7	23.3
9	0.24	10.6	0.2	153.11	0.0	0.0	0.0	17.1	0.0	149.2	34.9
10	0.24	11.7	0.2	180.69	0.0	0.0	0.0	17.1	0.0	176.0	41.1
11	0.35	13.1	0.4	311.5	0.0	0.0	0.0	17.1	0.0	303.3	70.9
12	0.12	14.1	0.1	120.1	0.0	0.0	0.0	17.1	0.0	117.0	27.3
13	0.24	15.0	0.2	217.72	0.0	0.0	0.0	17.1	0.0	212.1	49.5
14	0.24	16.1	0.2	204.53	0.0	0.0	0.0	17.1	0.0	199.4	46.6
15	0.24	17.2	0.2	189.21	0.0	0.0	0.0	17.1	0.0	184.7	43.1
16	0.18	18.2	0.2	130.09	0.0	0.0	0.0	17.1	0.0	127.2	29.7
17	0.29	19.3	0.3	181.69	0.0	0.0	0.0	17.1	0.0	177.9	41.6
18	0.24	20.6	0.3	103.29	0.0	0.0	0.0	17.1	0.0	101.4	23.7
19	0.24	21.7	0.3	63.75	0.0	0.0	0.0	17.1	0.0	62.8	14.7
20	0.24	22.8	0.3	21.85	0.0	0.0	0.0	17.1	0.0	21.6	5.0

xc = 15.24 yc = 29.455 Rc = 27.722 Fs=1.924

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.36	-4.8	0.4	44.11	0.0	0.0	0.0	17.1	0.0	44.9	7.2
2	1.01	-3.4	1.0	563.04	0.0	0.0	0.0	17.1	0.0	569.5	90.9
3	1.01	-1.3	1.01	143.63	0.0	0.0	0.0	17.1	98.0	1049.9	167.6
4	0.6	0.3	0.6	924.02	0.0	0.0	0.0	17.1	162.6	760.8	121.4
5	0.41	1.4	0.4	720.77	0.0	0.0	0.0	17.1	146.4	572.4	91.3
6	1.01	2.8	1.02	268.17	0.0	0.0	0.0	17.1	479.8	1776.6	283.5
7	0.81	4.7	0.82	093.96	0.0	0.0	0.0	17.1	493.6	1585.0	253.0
8	0.74	6.3	0.71	853.47	0.0	0.0	0.0	17.1	510.3	1327.9	211.9
9	0.46	7.6	0.51	174.51	0.0	0.0	0.0	17.1	336.5	827.8	132.1
10	1.01	9.1	1.02	623.46	0.0	0.0	0.12	19.6	786.7	1707.8	951.6
11	1.01	11.2	1.02	866.66	0.0	0.0	0.12	19.6	809.4	1900.8	991.5
12	0.5	12.8	0.51	544.88	0.0	0.0	0.12	19.6	397.1	1060.3	513.8
13	0.51	13.9	0.51	628.23	0.0	0.0	0.12	19.6	401.5	1131.1	536.7
14	1.01	15.5	1.03	138.86	0.0	0.0	0.0	17.1	748.9	2374.9	379.0
15	1.01	17.7	1.12	777.18	0.0	0.0	0.0	17.1	651.7	2122.7	338.8
16	0.45	19.2	0.51	060.15	0.0	0.0	0.0	17.1	244.4	818.4	130.6
17	0.56	20.3	0.61	162.55	0.0	0.0	0.0	17.1	266.4	902.4	144.0
18	1.01	22.1	1.11	554.28	0.0	0.0	0.0	17.1	328.1	1242.8	198.3
19	0.66	23.9	0.7	598.85	0.0	0.0	0.0	17.1	91.8	518.0	82.7
20	0.74	25.5	0.8	232.7	0.0	0.0	0.0	17.1	0.0	239.6	38.2

xc = 21.255 yc = 29.455 Rc = 28.802 Fs=2.206

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.19	-16.7	0.2	20.17	0.0	0.0	0.0	17.1	0.0	22.0	3.1
2	1.01	-15.5	1.0	729.71	0.0	0.0	0.0	17.1	0.0	787.4	109.6
3	1.01	-13.4	1.01	713.72	0.0	0.0	0.0	17.1	406.1	1390.1	193.5
4	1.01	-11.3	1.02	619.93	0.0	0.0	0.12	19.6	831.8	2000.3	881.2
5	1.01	-9.3	1.03	660.33	0.0	0.0	0.12	19.6	1220.0	2633.3	979.8
6	2.01	-6.3	2.09	015.68	0.0	0.0	0.12	19.6	3478.8	5794.0	2036.9
7	1.01	-3.3	1.05	266.44	0.0	0.0	0.12	19.6	2177.7	3153.8	1057.5
8	1.01	-1.3	1.05	929.62	0.0	0.0	0.12	19.6	2421.5	3533.4	1118.0
9	1.01	0.8	1.06	665.16	0.0	0.0	0.12	19.6	2629.8	4020.0	1196.5
10	1.01	2.8	1.07	063.54	0.0	0.0	0.12	19.6	2814.7	4194.8	1225.3
11	1.01	4.8	1.07	143.17	0.0	0.0	0.12	19.6	2952.2	4104.6	1212.0
12	1.01	6.8	1.07	043.22	0.0	0.0	0.12	19.6	3053.8	3877.6	1177.3
13	3.02	10.8	3.11	9601.84	0.0	0.0	0.12	19.6	9444.9	9720.8	3241.5
14	3.27	17.3	3.41	9080.24	0.0	0.0	0.12	19.6	9764.2	8737.6	3274.1
15	0.75	21.5	0.85	607.45	0.0	0.0	0.12	19.6	2004.3	3477.7	1002.8
16	1.01	23.4	1.17	080.22	0.0	0.0	0.12	19.6	2462.1	4462.3	1317.0

17	1.01	25.6	1.1	6324.63	0.0	0.0	0.12	19.6	2168.3	4008.1	1254.2
18	1.01	27.9	1.1	5374.95	0.0	0.0	0.12	19.6	1838.3	3384.3	1165.6
19	1.01	30.2	1.2	4448.9	0.0	0.0	0.12	19.6	1457.0	2827.2	1089.5
20	3.17	35.2	3.9	6788.11	0.0	0.0	0.0	17.1	1487.2	5905.6	822.1

xc = 45.318 yc = 29.455 Rc = 21.581 Fs=1.43

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.12	-2.9	0.1	4.79	0.0	0.0	0.0	17.1	0.0	4.9	1.0
2	1.01	-1.4	1.0	494.04	0.0	0.0	0.0	17.1	0.0	496.9	106.7
3	1.01	1.2	1.0	1149.02	0.0	0.0	0.0	17.1	0.0	1144.0	245.7
4	0.53	3.3	0.5	824.29	0.0	0.0	0.0	17.1	0.0	815.6	175.2
5	0.48	4.6	0.5	898.83	0.0	0.0	0.0	17.1	9.1	877.4	188.5
6	0.85	6.4	0.9	1666.06	0.0	0.0	0.0	17.1	63.4	1574.8	338.3
7	0.67	8.4	0.7	1272.11	0.0	0.0	0.0	17.1	71.0	1176.8	252.8
8	0.49	10.0	0.5	1077.99	0.0	0.0	0.12	19.6	59.0	920.6	648.1
9	1.01	12.0	1.0	2468.44	0.0	0.0	0.12	19.6	106.5	2118.9	1391.4
10	0.5	14.1	0.5	1432.12	0.0	0.0	0.12	19.6	35.3	1253.2	745.6
11	0.51	15.4	0.5	1722.63	0.0	0.0	0.0	17.1	22.9	1664.6	357.6
12	1.01	17.5	1.1	3629.88	0.0	0.0	0.0	17.1	0.0	3564.8	765.7
13	0.49	19.6	0.5	1686.32	0.0	0.0	0.0	17.1	0.0	1662.9	357.2
14	0.52	21.0	0.6	1734.89	0.0	0.0	0.0	17.1	0.0	1717.0	368.8
15	1.01	23.2	1.1	2945.57	0.0	0.0	0.0	17.1	0.0	2935.0	630.4
16	0.47	25.4	0.5	1150.96	0.0	0.0	0.0	17.1	0.0	1156.1	248.3
17	0.53	26.9	0.6	1143.38	0.0	0.0	0.0	17.1	0.0	1156.0	248.3
18	1.01	29.2	1.2	1538.96	0.0	0.0	0.0	17.1	0.0	1574.0	338.1
19	0.46	31.4	0.5	392.74	0.0	0.0	0.0	17.1	0.0	406.9	87.4
20	0.67	33.2	0.8	234.8	0.0	0.0	0.0	17.1	0.0	246.0	52.9

xc = 48.326 yc = 31.046 Rc = 21.667 Fs=1.282

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	2.3	0.2	19.25	0.0	0.0	0.0	17.1	0.0	19.1	4.6
2	0.65	3.5	0.7	229.1	0.0	0.0	0.0	17.1	0.0	226.3	54.2
3	0.35	4.8	0.4	216.9	0.0	0.0	0.0	17.1	0.0	213.4	51.1
4	0.53	6.0	0.5	574.33	0.0	0.0	0.0	17.1	0.0	563.4	134.9
5	0.47	7.3	0.5	834.68	0.0	0.0	0.0	17.1	0.0	816.5	195.5

6	0.41	8.5	0.4	870.48	0.0	0.0	0.0	17.1	0.0	849.8	203.5
7	0.59	9.8	0.6	1292.08	0.0	0.0	0.0	17.1	0.0	1259.1	301.5
8	0.29	11.0	0.3	644.5	0.0	0.0	0.0	17.1	0.0	627.4	150.2
9	0.44	12.0	0.5	990.41	0.0	0.0	0.0	17.1	0.0	963.5	230.7
10	0.27	13.0	0.3	612.94	0.0	0.0	0.0	17.1	0.0	596.1	142.8
11	0.61	14.2	0.6	1310.75	0.0	0.0	0.0	17.1	0.0	1274.8	305.3
12	0.39	15.6	0.4	763.03	0.0	0.0	0.0	17.1	0.0	742.5	177.8
13	0.49	16.8	0.5	885.24	0.0	0.0	0.0	17.1	0.0	862.3	206.5
14	0.51	18.2	0.5	861.64	0.0	0.0	0.0	17.1	0.0	840.8	201.4
15	0.37	19.4	0.4	556.33	0.0	0.0	0.0	17.1	0.0	544.0	130.3
16	0.64	20.8	0.7	772.95	0.0	0.0	0.0	17.1	0.0	757.9	181.5
17	0.25	22.1	0.3	240.46	0.0	0.0	0.0	17.1	0.0	236.5	56.6
18	0.44	23.1	0.5	350.98	0.0	0.0	0.0	17.1	0.0	346.2	82.9
19	0.31	24.2	0.3	185.74	0.0	0.0	0.0	17.1	0.0	183.8	44.0
20	0.57	25.5	0.6	146.28	0.0	0.0	0.0	17.1	0.0	145.4	34.8

xc = 15.24 yc = 32.638 Rc = 29.876 Fs=1.525

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.47	2.2	0.5	88.37	0.0	0.0	0.0	17.1	0.0	87.8	17.7
2	0.48	3.1	0.5	268.81	0.0	0.0	0.0	17.1	0.0	266.3	53.6
3	0.46	4.0	0.5	326.4	0.0	0.0	0.0	17.1	0.0	322.6	65.0
4	0.47	4.9	0.5	303.12	0.0	0.0	0.0	17.1	0.0	299.1	60.2
5	0.47	5.8	0.5	289.18	0.0	0.0	0.0	17.1	0.0	284.8	57.4
6	0.61	6.9	0.6	419.62	0.0	0.0	0.0	17.1	0.0	412.6	83.1
7	0.33	7.8	0.3	236.91	0.0	0.0	0.0	17.1	0.0	232.7	46.9
8	0.68	8.7	0.7	516.12	0.0	0.0	0.0	17.1	0.0	506.5	102.0
9	0.26	9.7	0.3	216.75	0.0	0.0	0.0	17.1	0.0	212.6	42.8
10	0.47	10.4	0.5	475.19	0.0	0.0	0.0	17.1	0.0	465.9	93.8
11	0.28	11.1	0.3	327.16	0.0	0.0	0.0	17.1	0.0	320.7	64.6
12	0.66	12.0	0.7	873.74	0.0	0.0	0.0	17.1	0.0	856.6	172.5
13	0.34	13.0	0.4	485.78	0.0	0.0	0.0	17.1	0.0	476.4	95.9
14	0.6	13.9	0.6	832.23	0.0	0.0	0.0	17.1	0.0	816.7	164.4
15	0.41	14.9	0.4	529.45	0.0	0.0	0.0	17.1	0.0	520.0	104.7
16	0.53	15.9	0.6	604.76	0.0	0.0	0.0	17.1	0.0	594.7	119.7
17	0.48	16.9	0.5	438.46	0.0	0.0	0.0	17.1	0.0	431.8	86.9
18	0.46	17.8	0.5	320.11	0.0	0.0	0.0	17.1	0.0	315.8	63.6
19	0.47	18.8	0.5	201.9	0.0	0.0	0.0	17.1	0.0	199.6	40.2
20	0.47	19.7	0.5	70.11	0.0	0.0	0.0	17.1	0.0	69.5	14.0

xc = 18.248 yc = 34.229 Rc = 31.657 Fs=1.274

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.32	-4.2	0.3	30.71	0.0	0.0	0.0	17.1	0.0	31.3	7.6
2	1.01	-3.0	1.0	688.18	0.0	0.0	0.0	17.1	0.0	697.9	168.2
3	1.43	-0.8	1.4	1702.19	0.0	0.0	0.0	17.1	0.0	1707.9	411.6
4	0.58	1.0	0.6	833.18	0.0	0.0	0.0	17.1	69.3	760.6	183.3
5	1.01	2.5	1.0	1652.43	0.0	0.0	0.0	17.1	262.5	1376.8	331.8
6	1.01	4.3	1.0	2118.27	0.0	0.0	0.0	17.1	406.3	1686.2	406.4
7	1.01	6.1	1.0	2663.67	0.0	0.0	0.0	17.1	517.7	2103.8	507.1
8	1.01	8.0	1.0	2878.58	0.0	0.0	0.0	17.1	608.2	2217.6	534.5
9	1.01	9.8	1.0	2780.88	0.0	0.0	0.0	17.1	653.7	2072.4	499.5
10	1.01	11.7	1.0	2509.27	0.0	0.0	0.0	17.1	665.5	1793.4	432.2
11	1.01	13.5	1.0	2137.02	0.0	0.0	0.0	17.1	643.0	1452.4	350.0
12	0.62	15.1	0.6	1088.04	0.0	0.0	0.0	17.1	370.4	697.9	168.2
13	0.92	16.5	1.0	1248.26	0.0	0.0	0.0	17.1	492.2	736.0	177.4
14	0.48	17.8	0.5	478.95	0.0	0.0	0.0	17.1	222.2	250.3	60.3
15	1.01	19.2	1.1	291.19	0.0	0.0	0.0	17.1	0.0	284.5	68.6
16	1.01	21.2	1.1	502.95	0.0	0.0	0.0	17.1	205.0	292.2	70.4
17	1.01	23.1	1.1	1379.23	0.0	0.0	0.0	17.1	0.0	1359.9	327.7
18	1.01	25.1	1.1	1908.99	0.0	0.0	0.0	17.1	0.0	1894.5	456.6
19	1.0	27.2	1.1	1323.11	0.0	0.0	0.0	17.1	0.0	1323.4	319.0
20	0.92	29.1	1.0	456.5	0.0	0.0	0.0	17.1	0.0	460.7	111.0

xc = 48.326 yc = 34.229 Rc = 24.745 Fs=1.384

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.45	2.9	0.5	59.14	0.0	0.0	0.0	17.1	0.0	58.6	13.0
2	0.51	4.0	0.5	203.83	0.0	0.0	0.0	17.1	0.0	201.2	44.6
3	0.39	5.1	0.4	317.17	0.0	0.0	0.0	17.1	0.0	312.3	69.3
4	0.61	6.2	0.6	930.36	0.0	0.0	0.0	17.1	0.0	913.8	202.7
5	0.29	7.3	0.3	570.23	0.0	0.0	0.0	17.1	0.0	559.0	124.0
6	0.45	8.1	0.5	917.06	0.0	0.0	0.0	17.1	0.0	897.9	199.2
7	0.26	9.0	0.3	546.22	0.0	0.0	0.0	17.1	0.0	534.3	118.5
8	0.64	10.0	0.7	1371.23	0.0	0.0	0.0	17.1	0.0	1339.9	297.3
9	0.36	11.2	0.4	793.74	0.0	0.0	0.0	17.1	0.0	775.1	172.0
10	0.54	12.3	0.6	1143.87	0.0	0.0	0.0	17.1	0.0	1116.7	247.7
11	0.46	13.5	0.5	904.14	0.0	0.0	0.0	17.1	0.0	882.8	195.9
12	0.44	14.6	0.5	806.46	0.0	0.0	0.0	17.1	0.0	787.8	174.8
13	0.57	15.8	0.6	986.7	0.0	0.0	0.0	17.1	0.0	964.9	214.1

14	0.34	16.9	0.4	547.35	0.0	0.0	0.0	17.1	0.0	535.9	118.9
15	0.67	18.1	0.7	915.61	0.0	0.0	0.0	17.1	0.0	898.2	199.3
16	0.24	19.2	0.3	277.14	0.0	0.0	0.0	17.1	0.0	272.4	60.4
17	0.45	20.1	0.5	465.32	0.0	0.0	0.0	17.1	0.0	458.2	101.7
18	0.31	21.0	0.3	273.24	0.0	0.0	0.0	17.1	0.0	269.7	59.8
19	0.59	22.1	0.6	342.77	0.0	0.0	0.0	17.1	0.0	339.4	75.3
20	0.45	23.4	0.5	79.29	0.0	0.0	0.0	17.1	0.0	78.8	17.5

xc = 51.334 yc = 32.638 Rc = 22.914 Fs=1.624

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.25	-2.9	0.3	24.65	0.0	0.0	0.0	17.1	0.0	24.9	4.7
2	1.01	-1.3	1.0	1025.49	0.0	0.0	0.0	17.1	0.0	1030.2	194.8
3	1.01	1.2	1.0	2041.5	0.0	0.0	0.0	17.1	0.0	2033.8	384.6
4	0.6	3.2	0.6	1378.42	0.0	0.0	0.0	17.1	0.0	1366.1	258.3
5	0.41	4.5	0.4	1017.19	0.0	0.0	0.0	17.1	0.0	1005.4	190.1
6	1.01	6.3	1.0	2504.4	0.0	0.0	0.0	17.1	0.0	2468.2	466.8
7	1.01	8.8	1.0	2471.05	0.0	0.0	0.0	17.1	0.0	2429.4	459.4
8	0.44	10.6	0.4	1061.35	0.0	0.0	0.0	17.1	0.0	1042.9	197.2
9	0.57	11.9	0.6	1297.73	0.0	0.0	0.0	17.1	0.0	1275.4	241.2
10	1.01	13.9	1.0	2137.24	0.0	0.0	0.0	17.1	0.0	2103.3	397.8
11	0.57	16.0	0.6	1073.66	0.0	0.0	0.0	17.1	0.0	1059.4	200.3
12	0.72	17.7	0.8	1082.29	0.0	0.0	0.0	17.1	0.0	1071.3	202.6
13	0.72	19.6	0.8	881.51	0.0	0.0	0.0	17.1	0.0	876.6	165.8
14	1.01	21.9	1.1	955.62	0.0	0.0	0.0	17.1	0.0	957.1	181.0
15	0.42	23.8	0.5	331.45	0.0	0.0	0.0	17.1	0.0	334.4	63.2
16	0.59	25.2	0.7	431.02	0.0	0.0	0.0	17.1	0.0	437.4	82.7
17	1.01	27.4	1.1	364.01	0.0	0.0	0.0	17.1	0.0	373.4	70.6
18	0.55	29.6	0.6	98.29	0.0	0.0	0.0	17.1	0.0	102.1	19.3
19	0.45	31.1	0.5	207.64	0.0	0.0	0.0	17.1	0.0	217.6	41.2
20	0.98	33.2	1.2	295.17	0.0	0.0	0.0	17.1	0.0	313.9	59.4

xc = 54.342 yc = 34.229 Rc = 23.74 Fs=1.316

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-6.1	1.0	378.11	0.0	0.0	0.0	17.1	0.0	390.1	91.0
2	1.01	-3.7	1.0	974.03	0.0	0.0	0.0	17.1	0.0	990.8	231.2

3	0.42	-1.9	0.4	538.45	0.0	0.0	0.0	17.1	0.0	543.0	126.7
4	0.58	-0.7	0.6	783.18	0.0	0.0	0.0	17.1	0.0	785.6	183.3
5	1.01	1.2	1.01	538.73	0.0	0.0	0.0	17.1	0.0	1531.6	357.3
6	1.01	3.6	1.01	683.26	0.0	0.0	0.0	17.1	0.0	1662.1	387.8
7	1.01	6.1	1.01	719.97	0.0	0.0	0.0	17.1	0.0	1687.8	393.8
8	0.5	7.9	0.5	844.84	0.0	0.0	0.0	17.1	0.0	826.2	192.8
9	0.82	9.5	0.81	223.09	0.0	0.0	0.0	17.1	0.0	1193.5	278.4
10	0.69	11.4	0.7	955.96	0.0	0.0	0.0	17.1	0.0	931.4	217.3
11	1.01	13.5	1.01	386.19	0.0	0.0	0.0	17.1	0.0	1350.0	314.9
12	1.01	16.0	1.01	508.54	0.0	0.0	0.0	17.1	0.0	1470.9	343.2
13	0.58	18.0	0.6	875.47	0.0	0.0	0.0	17.1	0.0	855.6	199.6
14	0.42	19.3	0.4	560.83	0.0	0.0	0.0	17.1	0.0	549.3	128.2
15	1.01	21.1	1.11	741.92	0.0	0.0	0.0	17.1	0.0	1712.9	399.6
16	1.01	23.7	1.12	114.39	0.0	0.0	0.0	17.1	0.0	2094.8	488.7
17	1.01	26.4	1.1	1731.8	0.0	0.0	0.0	17.1	0.0	1732.8	404.3
18	1.01	29.2	1.2	1359.6	0.0	0.0	0.0	17.1	0.0	1377.6	321.4
19	0.48	31.2	0.6	506.09	0.0	0.0	0.0	17.1	0.0	518.5	121.0
20	0.82	33.1	1.0	389.67	0.0	0.0	0.0	17.1	0.0	403.7	94.2

xc = 21.255 yc = 35.821 Rc = 32.848 Fs=2.205

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.99	-6.2	1.0	105.04	0.0	0.0	0.0	17.1	0.0	107.3	14.9
2	0.89	-4.5	0.9	403.26	0.0	0.0	0.0	17.1	0.0	409.0	57.0
3	1.01	-2.9	1.0	885.79	0.0	0.0	0.0	17.1	0.0	893.1	124.4
4	1.01	-1.1	1.01	527.42	0.0	0.0	0.0	17.1	86.9	1444.6	201.2
5	1.01	0.7	1.02	251.24	0.0	0.0	0.0	17.1	294.7	1953.5	272.1
6	1.01	2.4	1.02	647.74	0.0	0.0	0.0	17.1	483.5	2153.5	299.9
7	1.01	4.2	1.02	735.42	0.0	0.0	0.0	17.1	629.1	2090.7	291.2
8	1.01	5.9	1.02	653.58	0.0	0.0	0.0	17.1	743.5	1893.0	263.6
9	1.01	7.7	1.02	480.61	0.0	0.0	0.12	19.6	826.4	1560.5	804.7
10	0.99	9.5	1.02	190.67	0.0	0.0	0.12	19.6	866.4	1218.4	744.3
11	1.02	11.3	1.0	1933.8	0.0	0.0	0.12	19.6	922.0	890.5	709.9
12	1.01	13.1	1.0	740.51	0.0	0.0	0.12	19.6	0.0	607.0	660.2
13	1.01	14.9	1.01	693.35	0.0	0.0	0.12	19.6	846.0	696.4	679.1
14	1.01	16.7	1.12	798.78	0.0	0.0	0.12	19.6	761.1	1865.5	873.0
15	1.01	18.5	1.13	573.19	0.0	0.0	0.0	17.1	619.7	2976.1	414.5
16	1.01	20.4	1.13	255.73	0.0	0.0	0.0	17.1	441.9	2854.3	397.5
17	1.01	22.3	1.12	635.91	0.0	0.0	0.0	17.1	214.4	2475.6	344.8
18	1.01	24.2	1.11	841.27	0.0	0.0	0.0	17.1	0.0	1899.7	264.6
19	0.86	26.0	1.0	977.48	0.0	0.0	0.0	17.1	0.0	1018.3	141.8
20	0.99	27.8	1.1	426.04	0.0	0.0	0.0	17.1	0.0	448.7	62.5

xc = 33.287 yc = 35.821 Rc = 32.958 Fs=2.10

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.08	-18.0	0.1	2.59	0.0	0.0	0.0	17.1	0.0	2.9	0.4
2	1.01	-17.0	1.1	418.38	0.0	0.0	0.0	17.1	0.0	458.0	67.0
3	1.01	-15.2	1.0	1042.74	0.0	0.0	0.0	17.1	0.0	1125.2	164.6
4	3.02	-11.6	3.1	6003.59	0.0	0.0	0.12	19.6	2288.04	304.8	2491.3
5	3.02	-6.3	3.0	10882.04	0.0	0.0	0.12	19.6	5591.85	618.4	2688.6
6	2.01	-1.9	2.0	14435.7	0.0	0.0	0.12	19.6	5019.59	512.8	2764.4
7	1.19	0.9	1.2	8879.92	0.0	0.0	0.12	19.6	3329.55	525.9	1618.4
8	0.82	2.6	0.8	6092.35	0.0	0.0	0.12	19.6	2405.53	640.6	1087.2
9	1.01	4.2	1.0	7496.73	0.0	0.0	0.12	19.6	3061.14	350.4	1314.6
10	1.01	6.0	1.0	7502.14	0.0	0.0	0.12	19.6	3150.54	239.4	1297.3
11	2.01	8.6	2.0	14423.92	0.0	0.0	0.12	19.6	6439.07	701.3	2469.6
12	1.01	11.3	1.0	6804.13	0.0	0.0	0.12	19.6	3216.53	425.2	1167.4
13	1.01	13.1	1.0	6567.14	0.0	0.0	0.12	19.6	3165.73	227.6	1137.9
14	1.01	14.9	1.0	6396.9	0.0	0.0	0.12	19.6	3093.43	119.4	1124.2
15	1.01	16.7	1.1	6226.75	0.0	0.0	0.12	19.6	2986.83	047.4	1117.3
16	1.01	18.5	1.1	6119.99	0.0	0.0	0.12	19.6	2833.03	087.8	1130.3
17	1.01	20.4	1.1	6102.54	0.0	0.0	0.12	19.6	2655.03	245.3	1164.0
18	1.01	22.3	1.1	6013.75	0.0	0.0	0.12	19.6	2439.43	373.6	1193.7
19	1.01	24.2	1.1	5860.08	0.0	0.0	0.12	19.6	2184.83	480.7	1220.8
20	8.15	33.7	9.8	37239.78	0.0	0.0	0.12	19.6	4121.53	2407.41	1092.7

xc = 48.326 yc = 37.413 Rc = 27.902 Fs=1.479

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.49	2.8	0.5	70.09	0.0	0.0	0.0	17.1	0.0	69.5	14.4
2	0.4	3.7	0.4	155.91	0.0	0.0	0.0	17.1	0.0	154.2	32.0
3	0.58	4.7	0.6	535.81	0.0	0.0	0.0	17.1	0.0	528.6	109.8
4	0.42	5.7	0.4	688.42	0.0	0.0	0.0	17.1	0.0	677.8	140.8
5	0.56	6.7	0.6	1109.48	0.0	0.0	0.0	17.1	0.0	1090.5	226.5
6	0.45	7.8	0.5	927.33	0.0	0.0	0.0	17.1	0.0	910.1	189.0
7	0.54	8.8	0.5	1155.68	0.0	0.0	0.0	17.1	0.0	1133.0	235.3
8	0.47	9.8	0.5	1047.47	0.0	0.0	0.0	17.1	0.0	1026.2	213.1
9	0.51	10.9	0.5	1119.84	0.0	0.0	0.0	17.1	0.0	1096.6	227.7
10	0.49	11.9	0.5	1011.85	0.0	0.0	0.0	17.1	0.0	990.7	205.8

11	0.49	12.9	0.5	951.36	0.0	0.0	0.0	17.1	0.0	931.7	193.5
12	0.52	14.0	0.5	981.3	0.0	0.0	0.0	17.1	0.0	961.6	199.7
13	0.46	15.1	0.5	820.86	0.0	0.0	0.0	17.1	0.0	805.1	167.2
14	0.54	16.1	0.6	848.57	0.0	0.0	0.0	17.1	0.0	833.3	173.1
15	0.44	17.2	0.5	608.98	0.0	0.0	0.0	17.1	0.0	599.0	124.4
16	0.57	18.3	0.6	693.65	0.0	0.0	0.0	17.1	0.0	683.6	142.0
17	0.42	19.3	0.4	413.68	0.0	0.0	0.0	17.1	0.0	408.6	84.9
18	0.49	20.3	0.5	339.66	0.0	0.0	0.0	17.1	0.0	336.3	69.9
19	0.49	21.4	0.5	186.86	0.0	0.0	0.0	17.1	0.0	185.6	38.5
20	0.49	22.5	0.5	64.77	0.0	0.0	0.0	17.1	0.0	64.5	13.4

xc = 51.334 yc = 35.821 Rc = 25.626 Fs=1.961

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.59	-0.7	0.6	285.34	0.0	0.0	0.0	17.1	0.0	285.9	44.8
2	0.53	0.6	0.5	563.42	0.0	0.0	0.0	17.1	0.0	562.6	88.1
3	0.48	1.7	0.5	599.31	0.0	0.0	0.0	17.1	0.0	596.8	93.5
4	0.65	2.9	0.6	945.94	0.0	0.0	0.0	17.1	0.0	939.6	147.1
5	0.36	4.1	0.4	582.16	0.0	0.0	0.0	17.1	0.0	577.2	90.4
6	1.01	5.6	1.01	653.93	0.0	0.0	0.0	17.1	0.0	1636.7	256.3
7	0.32	7.1	0.3	517.46	0.0	0.0	0.0	17.1	0.0	511.5	80.1
8	0.68	8.2	0.7	1127.66	0.0	0.0	0.0	17.1	0.0	1114.2	174.5
9	0.44	9.5	0.4	714.7	0.0	0.0	0.0	17.1	0.0	706.1	110.6
10	0.57	10.6	0.6	856.97	0.0	0.0	0.0	17.1	0.0	847.0	132.6
11	0.56	11.9	0.6	789.92	0.0	0.0	0.0	17.1	0.0	781.5	122.4
12	0.45	13.1	0.5	603.5	0.0	0.0	0.0	17.1	0.0	597.8	93.6
13	0.68	14.4	0.7	781.5	0.0	0.0	0.0	17.1	0.0	775.6	121.5
14	0.56	15.8	0.6	475.96	0.0	0.0	0.0	17.1	0.0	473.7	74.2
15	0.77	17.4	0.8	485.06	0.0	0.0	0.0	17.1	0.0	484.5	75.9
16	0.35	18.7	0.4	164.08	0.0	0.0	0.0	17.1	0.0	164.5	25.8
17	0.66	19.9	0.7	257.3	0.0	0.0	0.0	17.1	0.0	258.9	40.5
18	0.47	21.2	0.5	156.31	0.0	0.0	0.0	17.1	0.0	158.1	24.8
19	0.54	22.4	0.6	172.93	0.0	0.0	0.0	17.1	0.0	175.7	27.5
20	0.59	23.8	0.6	92.15	0.0	0.0	0.0	17.1	0.0	94.2	14.8

xc = 21.255 yc = 39.004 Rc = 35.636 Fs=1.262

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

-											
1	0.87	-2.5	0.9	159.74	0.0	0.0	0.0	17.1	0.0	161.6	39.3
2	1.01	-1.0	1.0	792.95	0.0	0.0	0.0	17.1	0.0	796.5	193.9
3	1.01	0.6	1.0	1516.2	0.0	0.0	0.0	17.1	0.0	1512.4	368.1
4	1.01	2.2	1.0	1916.65	0.0	0.0	0.0	17.1	88.3	1812.6	441.2
5	0.54	3.5	0.5	1087.74	0.0	0.0	0.0	17.1	110.9	964.4	234.7
6	0.46	4.3	0.5	923.39	0.0	0.0	0.0	17.1	122.9	788.4	191.9
7	1.01	5.5	1.0	1944.0	0.0	0.0	0.0	17.1	360.0	1555.0	378.5
8	1.01	7.1	1.0	1784.34	0.0	0.0	0.0	17.1	452.4	1302.7	317.1
9	1.07	8.8	1.1	1629.2	0.0	0.0	0.0	17.1	555.3	1047.2	254.9
10	0.94	10.4	1.0	1168.84	0.0	0.0	0.0	17.1	520.8	630.7	153.5
11	1.01	12.0	1.0	453.57	0.0	0.0	0.0	17.1	0.0	440.9	107.3
12	1.01	13.7	1.0	1118.42	0.0	0.0	0.0	17.1	537.7	564.2	137.3
13	1.01	15.4	1.0	2272.55	0.0	0.0	0.0	17.1	476.8	1745.6	424.9
14	0.47	16.6	0.5	1458.48	0.0	0.0	0.0	17.1	184.5	1239.4	301.7
15	0.54	17.4	0.6	1637.42	0.0	0.0	0.0	17.1	174.1	1424.8	346.8
16	1.01	18.7	1.1	2837.77	0.0	0.0	0.0	17.1	215.9	2557.4	622.5
17	1.01	20.5	1.1	2282.8	0.0	0.0	0.0	17.1	23.5	2210.6	538.1
18	1.01	22.2	1.1	1561.15	0.0	0.0	0.0	17.1	0.0	1533.8	373.3
19	0.87	23.8	1.0	811.81	0.0	0.0	0.0	17.1	0.0	801.3	195.0
20	0.89	25.4	1.0	300.24	0.0	0.0	0.0	17.1	0.0	297.9	72.5

xc = 48.326 yc = 40.596 Rc = 30.628 Fs=1.639

-											
Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
-											
1	0.39	4.5	0.4	107.15	0.0	0.0	0.0	17.1	0.0	105.9	19.8
2	0.39	5.2	0.4	323.54	0.0	0.0	0.0	17.1	0.0	319.4	59.8
3	0.38	6.0	0.4	438.06	0.0	0.0	0.0	17.1	0.0	432.0	80.9
4	0.39	6.7	0.4	475.21	0.0	0.0	0.0	17.1	0.0	468.2	87.7
5	0.24	7.3	0.2	309.57	0.0	0.0	0.0	17.1	0.0	304.8	57.1
6	0.53	8.0	0.5	726.69	0.0	0.0	0.0	17.1	0.0	715.0	134.0
7	0.47	8.9	0.5	687.43	0.0	0.0	0.0	17.1	0.0	676.0	126.7
8	0.3	9.7	0.3	430.78	0.0	0.0	0.0	17.1	0.0	423.5	79.3
9	0.39	10.3	0.4	528.57	0.0	0.0	0.0	17.1	0.0	519.5	97.3
10	0.32	11.0	0.3	414.22	0.0	0.0	0.0	17.1	0.0	407.1	76.3
11	0.45	11.7	0.5	548.36	0.0	0.0	0.0	17.1	0.0	539.1	101.0
12	0.56	12.7	0.6	664.91	0.0	0.0	0.0	17.1	0.0	654.0	122.5
13	0.21	13.4	0.2	239.91	0.0	0.0	0.0	17.1	0.0	236.1	44.2
14	0.39	14.0	0.4	395.83	0.0	0.0	0.0	17.1	0.0	389.7	73.0
15	0.41	14.8	0.4	359.81	0.0	0.0	0.0	17.1	0.0	354.6	66.4
16	0.36	15.5	0.4	276.4	0.0	0.0	0.0	17.1	0.0	272.7	51.1
17	0.39	16.3	0.4	257.24	0.0	0.0	0.0	17.1	0.0	254.1	47.6
18	0.26	16.9	0.3	149.0	0.0	0.0	0.0	17.1	0.0	147.3	27.6

19	0.51	17.6	0.5	201.67	0.0	0.0	0.0	17.1	0.0	199.7	37.4
20	0.39	18.5	0.4	46.61	0.0	0.0	0.0	17.1	0.0	46.3	8.7

xc = 57.35 yc = 39.004 Rc = 26.468 Fs=0.984

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	12.7	0.2	32.07	0.0	0.0	0.0	17.1	0.0	30.7	9.6
2	0.12	13.1	0.1	40.5	0.0	0.0	0.0	17.1	0.0	38.8	12.1
3	0.34	13.6	0.4	154.13	0.0	0.0	0.0	17.1	0.0	147.5	46.0
4	0.23	14.2	0.2	114.15	0.0	0.0	0.0	17.1	0.0	109.1	34.1
5	0.23	14.7	0.2	121.91	0.0	0.0	0.0	17.1	0.0	116.5	36.4
6	0.21	15.2	0.2	115.86	0.0	0.0	0.0	17.1	0.0	110.7	34.5
7	0.25	15.7	0.3	138.8	0.0	0.0	0.0	17.1	0.0	132.5	41.4
8	0.23	16.3	0.2	116.49	0.0	0.0	0.0	17.1	0.0	111.2	34.7
9	0.23	16.8	0.2	106.04	0.0	0.0	0.0	17.1	0.0	101.2	31.6
10	0.3	17.4	0.3	120.53	0.0	0.0	0.0	17.1	0.0	115.1	35.9
11	0.16	17.9	0.2	63.06	0.0	0.0	0.0	17.1	0.0	60.2	18.8
12	0.23	18.3	0.2	101.37	0.0	0.0	0.0	17.1	0.0	96.8	30.2
13	0.23	18.9	0.2	114.03	0.0	0.0	0.0	17.1	0.0	108.9	34.0
14	0.23	19.4	0.2	125.69	0.0	0.0	0.0	17.1	0.0	120.1	37.5
15	0.16	19.8	0.2	93.5	0.0	0.0	0.0	17.1	0.0	89.3	27.9
16	0.3	20.4	0.3	162.61	0.0	0.0	0.0	17.1	0.0	155.4	48.5
17	0.23	21.0	0.2	98.98	0.0	0.0	0.0	17.1	0.0	94.7	29.5
18	0.23	21.5	0.2	75.77	0.0	0.0	0.0	17.1	0.0	72.5	22.6
19	0.23	22.0	0.2	51.52	0.0	0.0	0.0	17.1	0.0	49.3	15.4
20	0.23	22.6	0.2	20.28	0.0	0.0	0.0	17.1	0.0	19.4	6.1

xc = 60.357 yc = 40.596 Rc = 27.826 Fs=1.284

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.67	5.6	0.7	326.09	0.0	0.0	0.0	17.1	0.0	320.2	76.6
2	0.22	6.5	0.2	227.41	0.0	0.0	0.0	17.1	0.0	222.8	53.3
3	0.45	7.2	0.4	512.92	0.0	0.0	0.0	17.1	0.0	501.8	120.0
4	0.34	8.0	0.3	439.09	0.0	0.0	0.0	17.1	0.0	429.0	102.6
5	0.55	8.9	0.6	762.69	0.0	0.0	0.0	17.1	0.0	744.1	178.0
6	0.45	10.0	0.5	635.55	0.0	0.0	0.0	17.1	0.0	619.3	148.1
7	0.44	10.9	0.4	662.46	0.0	0.0	0.0	17.1	0.0	644.9	154.3

8	0.57	12.0	0.6	1004.7	0.0	0.0	0.0	17.1	0.0	977.5	233.8
9	0.32	12.9	0.3	600.4	0.0	0.0	0.0	17.1	0.0	584.0	139.7
10	0.45	13.7	0.5	806.01	0.0	0.0	0.0	17.1	0.0	783.9	187.5
11	0.24	14.4	0.2	420.02	0.0	0.0	0.0	17.1	0.0	408.6	97.7
12	0.65	15.4	0.7	1013.78	0.0	0.0	0.0	17.1	0.0	986.5	236.0
13	0.45	16.6	0.5	565.53	0.0	0.0	0.0	17.1	0.0	550.8	131.8
14	0.45	17.5	0.5	519.69	0.0	0.0	0.0	17.1	0.0	506.7	121.2
15	0.47	18.5	0.5	525.31	0.0	0.0	0.0	17.1	0.0	512.9	122.7
16	0.42	19.5	0.4	430.26	0.0	0.0	0.0	17.1	0.0	420.8	100.6
17	0.59	20.6	0.6	531.73	0.0	0.0	0.0	17.1	0.0	521.2	124.7
18	0.3	21.6	0.3	218.09	0.0	0.0	0.0	17.1	0.0	214.2	51.2
19	0.45	22.4	0.5	211.03	0.0	0.0	0.0	17.1	0.0	207.8	49.7
20	0.45	23.4	0.5	72.23	0.0	0.0	0.0	17.1	0.0	71.3	17.1

xc = 21.255 yc = 42.188 Rc = 38.806 Fs=1.266

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.83	-2.3	0.8	142.84	0.0	0.0	0.0	17.1	0.0	144.3	35.0
2	1.01	-0.9	1.0	768.8	0.0	0.0	0.0	17.1	0.0	771.9	187.2
3	1.01	0.6	1.0	1491.51	0.0	0.0	0.0	17.1	0.0	1488.1	360.9
4	1.01	2.0	1.0	1895.74	0.0	0.0	0.0	17.1	77.0	1804.3	437.6
5	1.01	3.5	1.0	2000.01	0.0	0.0	0.0	17.1	231.6	1745.6	423.4
6	1.01	5.0	1.0	1943.76	0.0	0.0	0.0	17.1	359.8	1556.9	377.6
7	1.01	6.5	1.0	1801.13	0.0	0.0	0.0	17.1	461.5	1312.0	318.2
8	0.5	7.6	0.5	814.06	0.0	0.0	0.0	17.1	258.9	542.5	131.6
9	0.92	8.7	0.9	1332.86	0.0	0.0	0.0	17.1	517.1	795.7	193.0
10	0.59	9.8	0.6	747.82	0.0	0.0	0.0	17.1	352.5	385.1	93.4
11	1.01	11.0	1.0	497.74	0.0	0.0	0.0	17.1	0.0	484.2	117.4
12	1.01	12.5	1.0	1251.04	0.0	0.0	0.0	17.1	609.4	623.7	151.3
13	1.01	14.1	1.0	2447.1	0.0	0.0	0.0	17.1	571.1	1823.2	442.2
14	1.01	15.6	1.0	3320.04	0.0	0.0	0.0	17.1	482.9	2758.9	669.2
15	1.01	17.2	1.1	3113.87	0.0	0.0	0.0	17.1	365.2	2676.3	649.1
16	1.01	18.7	1.1	2619.37	0.0	0.0	0.0	17.1	205.4	2355.2	571.3
17	1.01	20.3	1.1	1965.3	0.0	0.0	0.0	17.1	26.8	1896.7	460.1
18	1.01	21.9	1.1	1373.35	0.0	0.0	0.0	17.1	0.0	1348.6	327.1
19	0.56	23.1	0.6	506.92	0.0	0.0	0.0	17.1	0.0	499.5	121.2
20	0.92	24.3	1.0	360.68	0.0	0.0	0.0	17.1	0.0	356.7	86.5

xc = 33.287 yc = 42.188 Rc = 39.297 Fs=2.108

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.65	-15.5	0.7	169.5	0.0	0.0	0.0	17.1	0.0	183.2	26.7
2	1.01	-14.2	1.0	816.44	0.0	0.0	0.0	17.1	0.0	874.4	127.4
3	1.01	-12.7	1.01	348.06	0.0	0.0	0.0	17.1	37.8	1388.6	202.3
4	3.02	-9.7	3.16	481.54	0.0	0.0	0.12	19.6	2539.5	4425.7	2491.6
5	4.02	-4.5	4.01	6834.28	0.0	0.0	0.12	19.6	8081.8	9083.9	3833.9
6	1.01	-0.9	1.07	327.82	0.0	0.0	0.12	19.6	2592.4	4756.5	1376.8
7	2.01	1.3	2.01	4846.82	0.0	0.0	0.12	19.6	5699.5	9086.8	2681.8
8	2.01	4.3	2.01	5029.33	0.0	0.0	0.12	19.6	6196.0	8662.2	2612.9
9	2.01	7.2	2.01	4553.69	0.0	0.0	0.12	19.6	6507.3	7797.0	2472.7
10	1.01	9.5	1.06	952.79	0.0	0.0	0.12	19.6	3294.8	3512.8	1174.5
11	2.01	11.7	2.11	3512.98	0.0	0.0	0.12	19.6	6550.1	6636.0	2291.6
12	2.01	14.7	2.11	3204.45	0.0	0.0	0.12	19.6	6295.8	6541.5	2290.2
13	2.01	17.8	2.11	3614.18	0.0	0.0	0.12	19.6	5836.0	7382.4	2450.9
14	1.05	20.1	1.17	071.81	0.0	0.0	0.12	19.6	2772.2	4092.1	1329.2
15	1.97	22.5	2.11	1826.63	0.0	0.0	0.12	19.6	4543.7	6898.0	2378.0
16	2.01	25.7	2.21	1648.53	0.0	0.0	0.12	19.6	3554.7	7740.5	2579.5
17	2.01	29.0	2.31	1776.48	0.0	0.0	0.12	19.6	2342.4	9198.1	2864.3
18	1.11	31.6	1.35	129.85	0.0	0.0	0.12	19.6	662.9	4338.4	1473.4
19	0.91	33.3	1.13	306.07	0.0	0.0	0.12	19.6	167.3	3016.0	1126.7
20	2.64	36.5	3.34	499.06	0.0	0.0	0.0	17.1	0.0	5053.9	736.4

xc = 45.318 yc = 42.188 Rc = 32.39 Fs=1.304

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	9.9	0.2	33.92	0.0	0.0	0.0	17.1	0.0	33.1	7.8
2	0.29	10.4	0.3	138.35	0.0	0.0	0.0	17.1	0.0	134.8	31.7
3	0.17	10.8	0.2	113.49	0.0	0.0	0.0	17.1	0.0	110.6	26.0
4	0.23	11.2	0.2	156.17	0.0	0.0	0.0	17.1	0.0	152.1	35.8
5	0.23	11.6	0.2	158.85	0.0	0.0	0.0	17.1	0.0	154.7	36.4
6	0.23	12.0	0.2	160.78	0.0	0.0	0.0	17.1	0.0	156.5	36.9
7	0.14	12.4	0.1	96.51	0.0	0.0	0.0	17.1	0.0	94.0	22.1
8	0.33	12.8	0.3	228.79	0.0	0.0	0.0	17.1	0.0	222.7	52.4
9	0.23	13.3	0.2	163.86	0.0	0.0	0.0	17.1	0.0	159.5	37.6
10	0.23	13.7	0.2	163.71	0.0	0.0	0.0	17.1	0.0	159.4	37.5
11	0.22	14.1	0.2	152.06	0.0	0.0	0.0	17.1	0.0	148.0	34.8
12	0.25	14.5	0.3	161.11	0.0	0.0	0.0	17.1	0.0	156.9	36.9
13	0.23	15.0	0.2	129.13	0.0	0.0	0.0	17.1	0.0	125.7	29.6
14	0.23	15.4	0.2	107.03	0.0	0.0	0.0	17.1	0.0	104.3	24.5
15	0.29	15.9	0.3	102.95	0.0	0.0	0.0	17.1	0.0	100.3	23.6

16	0.17	16.3	0.2	45.1	0.0	0.0	0.0	17.1	0.0	44.0	10.3
17	0.23	16.7	0.2	51.78	0.0	0.0	0.0	17.1	0.0	50.5	11.9
18	0.23	17.1	0.2	39.34	0.0	0.0	0.0	17.1	0.0	38.4	9.0
19	0.23	17.5	0.2	26.08	0.0	0.0	0.0	17.1	0.0	25.5	6.0
20	0.23	18.0	0.2	12.0	0.0	0.0	0.0	17.1	0.0	11.7	2.8

xc = 48.326 yc = 43.779 Rc = 33.34 Fs=1.894

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.18	5.0	0.2	22.74	0.0	0.0	0.0	17.1	0.0	22.5	3.7
2	0.39	5.5	0.4	118.55	0.0	0.0	0.0	17.1	0.0	117.3	19.0
3	0.29	6.1	0.3	109.1	0.0	0.0	0.0	17.1	0.0	107.9	17.5
4	0.33	6.6	0.3	148.32	0.0	0.0	0.0	17.1	0.0	146.6	23.8
5	0.24	7.1	0.2	122.31	0.0	0.0	0.0	17.1	0.0	120.8	19.6
6	0.29	7.5	0.3	160.37	0.0	0.0	0.0	17.1	0.0	158.4	25.7
7	0.29	8.0	0.3	175.65	0.0	0.0	0.0	17.1	0.0	173.4	28.1
8	0.2	8.5	0.2	128.81	0.0	0.0	0.0	17.1	0.0	127.2	20.6
9	0.37	9.0	0.4	238.6	0.0	0.0	0.0	17.1	0.0	235.5	38.2
10	0.29	9.5	0.3	162.07	0.0	0.0	0.0	17.1	0.0	160.0	25.9
11	0.35	10.1	0.4	172.24	0.0	0.0	0.0	17.1	0.0	170.0	27.6
12	0.22	10.6	0.2	101.23	0.0	0.0	0.0	17.1	0.0	100.0	16.2
13	0.29	11.0	0.3	127.66	0.0	0.0	0.0	17.1	0.0	126.1	20.4
14	0.29	11.5	0.3	124.59	0.0	0.0	0.0	17.1	0.0	123.1	20.0
15	0.21	12.0	0.2	90.18	0.0	0.0	0.0	17.1	0.0	89.1	14.5
16	0.36	12.5	0.4	130.28	0.0	0.0	0.0	17.1	0.0	128.8	20.9
17	0.29	13.0	0.3	75.73	0.0	0.0	0.0	17.1	0.0	74.9	12.2
18	0.36	13.6	0.4	58.01	0.0	0.0	0.0	17.1	0.0	57.4	9.3
19	0.21	14.1	0.2	16.08	0.0	0.0	0.0	17.1	0.0	15.9	2.6
20	0.29	14.5	0.3	8.46	0.0	0.0	0.0	17.1	0.0	8.4	1.4

xc = 21.255 yc = 45.371 Rc = 41.761 Fs=1.331

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.91	-0.8	0.9	349.08	0.0	0.0	0.0	17.1	0.0	350.2	80.8
2	1.01	0.5	1.0	1067.82	0.0	0.0	0.0	17.1	0.0	1065.6	245.9
3	1.01	1.9	1.0	1475.06	0.0	0.0	0.0	17.1	0.0	1464.7	338.0
4	1.01	3.3	1.0	1585.8	0.0	0.0	0.0	17.1	7.7	1560.1	360.0

5	0.48	4.3	0.5	738.87	0.0	0.0	0.0	17.1	48.3	680.7	157.1
6	0.53	5.0	0.5	799.22	0.0	0.0	0.0	17.1	89.2	698.7	161.2
7	1.01	6.1	1.0	1410.39	0.0	0.0	0.0	17.1	250.3	1138.8	262.8
8	1.11	7.5	1.1	1312.79	0.0	0.0	0.0	17.1	373.3	919.7	212.2
9	0.91	8.9	0.9	862.04	0.0	0.0	0.0	17.1	358.7	491.7	113.4
10	1.01	10.2	1.0	347.03	0.0	0.0	0.0	17.1	0.0	338.5	78.1
11	1.01	11.6	1.0	951.76	0.0	0.0	0.0	17.1	447.6	491.3	113.4
12	1.01	13.1	1.0	2180.74	0.0	0.0	0.0	17.1	427.1	1708.7	394.3
13	0.48	14.1	0.5	1472.1	0.0	0.0	0.0	17.1	179.7	1259.6	290.6
14	0.53	14.8	0.5	1617.34	0.0	0.0	0.0	17.1	174.7	1406.4	324.5
15	1.01	15.9	1.0	2926.79	0.0	0.0	0.0	17.1	264.1	2597.9	599.4
16	1.01	17.3	1.1	2479.17	0.0	0.0	0.0	17.1	129.7	2296.0	529.8
17	1.01	18.8	1.1	1877.28	0.0	0.0	0.0	17.1	0.0	1838.7	424.2
18	1.01	20.3	1.1	1343.16	0.0	0.0	0.0	17.1	0.0	1319.4	304.4
19	0.73	21.5	0.8	635.38	0.0	0.0	0.0	17.1	0.0	626.1	144.5
20	0.88	22.7	1.0	305.39	0.0	0.0	0.0	17.1	0.0	301.9	69.7

xc = 45.318 yc = 45.371 Rc = 35.547 Fs=1.389

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	9.0	0.3	43.03	0.0	0.0	0.0	17.1	0.0	42.1	9.3
2	0.29	9.5	0.3	148.2	0.0	0.0	0.0	17.1	0.0	144.9	32.0
3	0.23	9.9	0.2	162.62	0.0	0.0	0.0	17.1	0.0	158.9	35.2
4	0.26	10.3	0.3	189.17	0.0	0.0	0.0	17.1	0.0	184.8	40.9
5	0.26	10.7	0.3	194.48	0.0	0.0	0.0	17.1	0.0	190.0	42.0
6	0.26	11.1	0.3	200.7	0.0	0.0	0.0	17.1	0.0	196.0	43.4
7	0.26	11.6	0.3	201.01	0.0	0.0	0.0	17.1	0.0	196.3	43.4
8	0.26	12.0	0.3	206.56	0.0	0.0	0.0	17.1	0.0	201.7	44.6
9	0.26	12.4	0.3	209.29	0.0	0.0	0.0	17.1	0.0	204.4	45.2
10	0.23	12.8	0.2	191.1	0.0	0.0	0.0	17.1	0.0	186.6	41.3
11	0.28	13.3	0.3	217.88	0.0	0.0	0.0	17.1	0.0	212.8	47.1
12	0.26	13.7	0.3	174.56	0.0	0.0	0.0	17.1	0.0	170.5	37.7
13	0.26	14.1	0.3	150.12	0.0	0.0	0.0	17.1	0.0	146.6	32.4
14	0.21	14.5	0.2	102.08	0.0	0.0	0.0	17.1	0.0	99.7	22.1
15	0.31	14.9	0.3	132.34	0.0	0.0	0.0	17.1	0.0	129.3	28.6
16	0.26	15.4	0.3	97.94	0.0	0.0	0.0	17.1	0.0	95.8	21.2
17	0.26	15.9	0.3	85.47	0.0	0.0	0.0	17.1	0.0	83.6	18.5
18	0.18	16.2	0.2	51.76	0.0	0.0	0.0	17.1	0.0	50.6	11.2
19	0.34	16.7	0.4	65.3	0.0	0.0	0.0	17.1	0.0	63.9	14.1
20	0.26	17.2	0.3	15.5	0.0	0.0	0.0	17.1	0.0	15.2	3.4

xc = 21.255 yc = 48.554 Rc = 44.705 Fs=1.392

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.38	-0.4	0.4	60.44	0.0	0.0	0.0	17.1	0.0	60.5	13.4
2	1.01	0.5	1.0	620.92	0.0	0.0	0.0	17.1	0.0	619.8	136.7
3	1.01	1.8	1.0	1030.77	0.0	0.0	0.0	17.1	0.0	1024.3	225.9
4	1.01	3.1	1.0	1147.1	0.0	0.0	0.0	17.1	0.0	1135.3	250.4
5	1.01	4.4	1.0	1109.4	0.0	0.0	0.0	17.1	0.0	1094.2	241.3
6	1.01	5.7	1.0	991.94	0.0	0.0	0.0	17.1	24.1	951.8	209.9
7	0.57	6.7	0.6	482.75	0.0	0.0	0.0	17.1	60.3	414.6	91.5
8	0.85	7.6	0.9	583.15	0.0	0.0	0.0	17.1	136.6	437.7	96.5
9	0.59	8.5	0.6	313.06	0.0	0.0	0.0	17.1	118.0	190.9	42.1
10	1.01	9.6	1.0	179.57	0.0	0.0	0.0	17.1	0.0	175.6	38.7
11	1.01	10.9	1.0	611.92	0.0	0.0	0.0	17.1	263.9	339.9	75.0
12	1.01	12.2	1.0	1869.07	0.0	0.0	0.0	17.1	258.7	1572.6	346.8
13	1.01	13.5	1.0	2811.16	0.0	0.0	0.0	17.1	207.8	2542.7	560.8
14	0.52	14.5	0.5	1405.06	0.0	0.0	0.0	17.1	76.3	1298.4	286.4
15	0.49	15.2	0.5	1276.14	0.0	0.0	0.0	17.1	47.9	1200.7	264.8
16	1.01	16.2	1.0	2274.81	0.0	0.0	0.0	17.1	19.2	2207.4	486.8
17	1.01	17.5	1.1	1717.0	0.0	0.0	0.0	17.1	0.0	1683.3	371.3
18	1.01	18.9	1.1	1231.54	0.0	0.0	0.0	17.1	0.0	1210.3	266.9
19	0.77	20.1	0.8	608.72	0.0	0.0	0.0	17.1	0.0	599.8	132.3
20	0.85	21.2	0.9	266.02	0.0	0.0	0.0	17.1	0.0	262.8	58.0

xc = 30.279 yc = 50.146 Rc = 47.099 Fs=2.229

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.12	-11.3	0.1	8.42	0.0	0.0	0.0	17.1	0.0	8.8	1.2
2	1.01	-10.6	1.0	628.91	0.0	0.0	0.0	17.1	0.0	656.7	90.5
3	1.01	-9.3	1.0	1404.44	0.0	0.0	0.0	17.1	0.0	1456.3	200.6
4	1.01	-8.1	1.0	1887.02	0.0	0.0	0.0	17.1	170.5	1768.4	243.6
5	1.01	-6.9	1.0	2216.69	0.0	0.0	0.0	17.1	507.4	1750.7	241.2
6	3.02	-4.4	3.0	8011.15	0.0	0.0	0.12	19.6	3344.6	4865.8	2407.4
7	6.04	1.1	6.0	38680.86	0.0	0.0	0.12	19.6	12999.4	25543.9	7332.5
8	2.01	6.0	2.0	13429.34	0.0	0.0	0.12	19.6	5220.1	8005.0	2368.5
9	1.15	8.0	1.2	7598.64	0.0	0.0	0.12	19.6	3093.5	4363.9	1323.3
10	1.87	9.8	1.9	11622.31	0.0	0.0	0.12	19.6	5064.1	6304.9	2027.5
11	2.01	12.2	2.1	11299.96	0.0	0.0	0.12	19.6	5370.4	5632.0	2008.5
12	2.01	14.7	2.1	10691.94	0.0	0.0	0.12	19.6	5095.6	5270.5	1962.4

13	2.01	17.3	2.1	10502.02	0.0	0.0	0.12	19.6	4653.3	5498.9	2013.3
14	2.01	19.9	2.1	10567.12	0.0	0.0	0.12	19.6	3988.1	6219.9	2145.9
15	0.99	21.8	1.1	4922.3	0.0	0.0	0.12	19.6	1660.0	3086.1	1068.9
16	1.02	23.1	1.1	4659.13	0.0	0.0	0.12	19.6	1462.3	3015.5	1078.8
17	1.01	24.5	1.1	4495.24	0.0	0.0	0.12	19.6	1173.2	3150.1	1098.6
18	1.01	25.8	1.1	4737.96	0.0	0.0	0.12	19.6	885.4	3702.6	1193.6
19	1.01	27.2	1.1	4803.31	0.0	0.0	0.12	19.6	607.9	4070.0	1259.5
20	5.05	31.5	5.9	12716.76	0.0	0.0	0.0	17.1	0.0	13754.7	1895.0

xc = 87.428 yc = 48.554 Rc = 29.004 Fs=2.046

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.48	-0.3	0.5	14.8	0.0	0.0	0.0	17.1	0.0	14.8	2.2
2	0.23	0.4	0.2	12.99	0.0	0.0	0.0	17.1	0.0	13.0	1.9
3	0.36	1.0	0.4	17.6	0.0	0.0	0.0	17.1	0.0	17.6	2.6
4	0.36	1.7	0.4	11.91	0.0	0.0	0.0	17.1	0.0	11.9	1.8
5	0.36	2.4	0.4	13.42	0.0	0.0	0.0	17.1	0.0	13.3	2.0
6	0.36	3.1	0.4	32.44	0.0	0.0	0.0	17.1	0.0	32.2	4.8
7	0.35	3.8	0.4	47.57	0.0	0.0	0.0	17.1	0.0	47.2	7.1
8	0.36	4.6	0.4	66.26	0.0	0.0	0.0	17.1	0.0	65.7	9.9
9	0.36	5.3	0.4	82.57	0.0	0.0	0.0	17.1	0.0	81.8	12.3
10	0.29	5.9	0.3	76.23	0.0	0.0	0.0	17.1	0.0	75.5	11.3
11	0.43	6.6	0.4	135.7	0.0	0.0	0.0	17.1	0.0	134.3	20.2
12	0.36	7.4	0.4	132.58	0.0	0.0	0.0	17.1	0.0	131.1	19.7
13	0.22	8.0	0.2	88.62	0.0	0.0	0.0	17.1	0.0	87.6	13.2
14	0.5	8.7	0.5	247.42	0.0	0.0	0.0	17.1	0.0	244.7	36.7
15	0.51	9.7	0.5	333.27	0.0	0.0	0.0	17.1	0.0	329.6	49.5
16	0.2	10.4	0.2	140.36	0.0	0.0	0.0	17.1	0.0	138.9	20.8
17	0.36	11.0	0.4	204.26	0.0	0.0	0.0	17.1	0.0	202.2	30.3
18	0.44	11.8	0.5	177.56	0.0	0.0	0.0	17.1	0.0	175.9	26.4
19	0.27	12.5	0.3	64.52	0.0	0.0	0.0	17.1	0.0	64.0	9.6
20	0.36	13.1	0.4	31.54	0.0	0.0	0.0	17.1	0.0	31.3	4.7

xc = 30.279 yc = 56.513 Rc = 53.439 Fs=2.131

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	-10.0	0.3	37.41	0.0	0.0	0.0	17.1	0.0	39.0	5.6

2	1.01	-9.3	1.0	758.18	0.0	0.0	0.0	17.1	0.0	786.9	113.4
3	1.01	-8.2	1.01	493.71	0.0	0.0	0.0	17.1	0.0	1541.3	222.2
4	1.01	-7.1	1.01	941.57	0.0	0.0	0.0	17.1	200.0	1787.4	257.6
5	1.01	-6.0	1.02	241.64	0.0	0.0	0.0	17.1	520.8	1757.2	253.3
6	3.02	-3.9	3.07	951.86	0.0	0.0	0.12	19.6	3313.4	4819.4	2509.7
7	7.04	1.5	7.04	6168.74	0.0	0.0	0.12	19.6	15494.7	30444.3	9058.0
8	2.01	6.4	2.01	3480.51	0.0	0.0	0.12	19.6	5380.9	7875.2	2457.0
9	2.01	8.6	2.01	2771.45	0.0	0.0	0.12	19.6	5569.3	6936.1	2305.8
10	1.01	10.2	1.0	6008.2	0.0	0.0	0.12	19.6	2797.6	3066.3	1088.4
11	2.01	11.9	2.11	1576.9	0.0	0.0	0.12	19.6	5531.2	5733.2	2116.6
12	2.01	14.1	2.11	1303.13	0.0	0.0	0.12	19.6	5295.1	5663.8	2115.3
13	2.01	16.3	2.11	1865.85	0.0	0.0	0.12	19.6	4915.8	6574.4	2280.0
14	1.66	18.4	1.79	957.92	0.0	0.0	0.12	19.6	3614.9	6022.5	1990.9
15	1.36	20.1	1.4	7368.7	0.0	0.0	0.12	19.6	2606.6	4497.3	1567.6
16	1.01	21.4	1.15	482.29	0.0	0.0	0.12	19.6	1692.7	3596.1	1210.0
17	1.01	22.6	1.1	5851.2	0.0	0.0	0.12	19.6	1471.3	4196.6	1315.4
18	1.01	23.8	1.1	6053.1	0.0	0.0	0.12	19.6	1265.6	4618.4	1391.3
19	1.01	25.0	1.15	630.66	0.0	0.0	0.12	19.6	1035.1	4433.0	1366.2
20	6.22	29.4	7.11	8073.7	0.0	0.0	0.0	17.1	0.0	19184.2	2765.1

xc = 27.271 yc = 58.104 Rc = 54.901 Fs=2.023

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.85	-6.9	0.9	372.4	0.0	0.0	0.0	17.1	0.0	382.1	58.0
2	1.01	-5.9	1.01	287.15	0.0	0.0	0.0	17.1	0.0	1314.6	199.5
3	1.01	-4.8	1.01	909.85	0.0	0.0	0.0	17.1	84.6	1855.6	281.7
4	1.01	-3.8	1.02	246.57	0.0	0.0	0.0	17.1	364.9	1905.0	289.1
5	1.01	-2.7	1.02	437.05	0.0	0.0	0.0	17.1	626.5	1825.9	277.1
6	3.02	-0.6	3.07	891.31	0.0	0.0	0.12	19.6	3281.5	4639.0	2607.2
7	5.03	3.6	5.02	4005.26	0.0	0.0	0.12	19.6	9074.7	14612.4	5562.4
8	2.01	7.3	2.01	2008.29	0.0	0.0	0.12	19.6	4205.5	7543.3	2531.3
9	2.01	9.4	2.01	1443.62	0.0	0.0	0.12	19.6	4308.8	6832.8	2412.7
10	1.03	11.0	1.05	469.75	0.0	0.0	0.12	19.6	2193.4	3110.3	1169.8
11	0.98	12.1	1.04	882.74	0.0	0.0	0.12	19.6	2066.9	2652.2	1062.9
12	1.01	13.1	1.04	631.08	0.0	0.0	0.12	19.6	2072.8	2386.0	1032.9
13	1.01	14.2	1.04	341.83	0.0	0.0	0.12	19.6	1994.5	2168.9	997.5
14	1.01	15.3	1.04	144.21	0.0	0.0	0.12	19.6	1907.7	2050.6	979.7
15	1.01	16.4	1.03	972.46	0.0	0.0	0.12	19.6	1800.3	1978.7	970.4
16	1.01	17.5	1.13	891.05	0.0	0.0	0.12	19.6	1659.9	2029.5	983.0
17	1.01	18.6	1.13	927.26	0.0	0.0	0.12	19.6	1510.1	2207.7	1018.3
18	1.01	19.7	1.13	922.05	0.0	0.0	0.12	19.6	1338.5	2367.9	1050.8
19	1.01	20.8	1.13	883.87	0.0	0.0	0.12	19.6	1144.7	2519.1	1082.0
20	8.94	26.6	10.03	0518.0	0.0	0.0	0.0	17.1	0.0	31721.9	4815.0

xc = 21.255 yc = 61.288 Rc = 56.69 Fs=1.417

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.37	9.3	0.4	138.34	0.0	0.0	0.0	17.1	0.0	135.4	29.3
2	0.37	9.7	0.4	413.68	0.0	0.0	0.0	17.1	0.0	404.7	87.7
3	0.2	10.0	0.2	330.21	0.0	0.0	0.0	17.1	0.0	323.0	70.0
4	0.55	10.4	0.6	1035.69	0.0	0.0	0.0	17.1	0.0	1012.7	219.5
5	0.46	10.9	0.5	878.71	0.0	0.0	0.0	17.1	0.0	859.0	186.2
6	0.29	11.3	0.3	558.3	0.0	0.0	0.0	17.1	0.0	545.7	118.3
7	0.37	11.6	0.4	703.61	0.0	0.0	0.0	17.1	0.0	687.7	149.0
8	0.34	12.0	0.3	628.17	0.0	0.0	0.0	17.1	0.0	613.9	133.0
9	0.41	12.4	0.4	698.8	0.0	0.0	0.0	17.1	0.0	682.9	148.0
10	0.37	12.8	0.4	578.77	0.0	0.0	0.0	17.1	0.0	565.7	122.6
11	0.23	13.1	0.2	320.35	0.0	0.0	0.0	17.1	0.0	313.1	67.9
12	0.52	13.5	0.5	653.92	0.0	0.0	0.0	17.1	0.0	639.2	138.5
13	0.49	14.0	0.5	513.82	0.0	0.0	0.0	17.1	0.0	502.4	108.9
14	0.26	14.4	0.3	241.01	0.0	0.0	0.0	17.1	0.0	235.7	51.1
15	0.37	14.7	0.4	311.59	0.0	0.0	0.0	17.1	0.0	304.8	66.1
16	0.37	15.1	0.4	269.31	0.0	0.0	0.0	17.1	0.0	263.5	57.1
17	0.38	15.5	0.4	224.99	0.0	0.0	0.0	17.1	0.0	220.2	47.7
18	0.37	15.9	0.4	168.65	0.0	0.0	0.0	17.1	0.0	165.2	35.8
19	0.26	16.2	0.3	83.06	0.0	0.0	0.0	17.1	0.0	81.4	17.6
20	0.49	16.6	0.5	67.14	0.0	0.0	0.0	17.1	0.0	65.8	14.3

xc = 21.255 yc = 64.471 Rc = 59.726 Fs=1.495

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.37	8.9	0.4	133.08	0.0	0.0	0.0	17.1	0.0	130.5	26.8
2	0.48	9.3	0.5	573.24	0.0	0.0	0.0	17.1	0.0	562.0	115.4
3	0.25	9.7	0.3	426.72	0.0	0.0	0.0	17.1	0.0	418.2	85.9
4	0.37	10.0	0.4	627.26	0.0	0.0	0.0	17.1	0.0	614.7	126.3
5	0.39	10.4	0.4	678.72	0.0	0.0	0.0	17.1	0.0	665.0	136.6
6	0.34	10.7	0.3	600.81	0.0	0.0	0.0	17.1	0.0	588.6	120.9
7	0.37	11.1	0.4	627.04	0.0	0.0	0.0	17.1	0.0	614.2	126.2
8	0.3	11.4	0.3	500.13	0.0	0.0	0.0	17.1	0.0	489.9	100.6
9	0.43	11.8	0.4	680.51	0.0	0.0	0.0	17.1	0.0	666.6	136.9

10	0.37	12.1	0.4	511.78	0.0	0.0	0.0	17.1	0.0	501.3	103.0
11	0.21	12.4	0.2	264.94	0.0	0.0	0.0	17.1	0.0	259.6	53.3
12	0.52	12.8	0.5	593.06	0.0	0.0	0.0	17.1	0.0	581.1	119.3
13	0.48	13.3	0.5	457.47	0.0	0.0	0.0	17.1	0.0	448.3	92.1
14	0.25	13.6	0.3	203.65	0.0	0.0	0.0	17.1	0.0	199.6	41.0
15	0.37	13.9	0.4	272.54	0.0	0.0	0.0	17.1	0.0	267.2	54.9
16	0.39	14.3	0.4	254.14	0.0	0.0	0.0	17.1	0.0	249.2	51.2
17	0.34	14.7	0.3	179.68	0.0	0.0	0.0	17.1	0.0	176.3	36.2
18	0.37	15.0	0.4	148.16	0.0	0.0	0.0	17.1	0.0	145.4	29.9
19	0.3	15.4	0.3	85.14	0.0	0.0	0.0	17.1	0.0	83.6	17.2
20	0.43	15.7	0.4	47.87	0.0	0.0	0.0	17.1	0.0	47.0	9.7

xc = 21.255 yc = 67.654 Rc = 62.773 Fs=1.574

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.36	8.6	0.4	127.73	0.0	0.0	0.0	17.1	0.0	125.5	24.5
2	0.39	8.9	0.4	433.91	0.0	0.0	0.0	17.1	0.0	426.2	83.1
3	0.32	9.3	0.3	487.36	0.0	0.0	0.0	17.1	0.0	478.6	93.4
4	0.36	9.6	0.4	555.12	0.0	0.0	0.0	17.1	0.0	545.0	106.3
5	0.33	9.9	0.3	521.63	0.0	0.0	0.0	17.1	0.0	512.1	99.9
6	0.39	10.2	0.4	615.19	0.0	0.0	0.0	17.1	0.0	603.9	117.8
7	0.36	10.6	0.4	557.88	0.0	0.0	0.0	17.1	0.0	547.6	106.8
8	0.26	10.9	0.3	403.83	0.0	0.0	0.0	17.1	0.0	396.4	77.3
9	0.45	11.2	0.5	645.1	0.0	0.0	0.0	17.1	0.0	633.2	123.5
10	0.36	11.6	0.4	452.0	0.0	0.0	0.0	17.1	0.0	443.7	86.6
11	0.2	11.8	0.2	228.36	0.0	0.0	0.0	17.1	0.0	224.2	43.7
12	0.52	12.2	0.5	525.67	0.0	0.0	0.0	17.1	0.0	516.0	100.7
13	0.49	12.6	0.5	414.18	0.0	0.0	0.0	17.1	0.0	406.7	79.3
14	0.22	13.0	0.2	162.68	0.0	0.0	0.0	17.1	0.0	159.8	31.2
15	0.36	13.2	0.4	236.91	0.0	0.0	0.0	17.1	0.0	232.7	45.4
16	0.43	13.6	0.4	243.13	0.0	0.0	0.0	17.1	0.0	238.9	46.6
17	0.29	13.9	0.3	135.15	0.0	0.0	0.0	17.1	0.0	132.8	25.9
18	0.36	14.2	0.4	129.24	0.0	0.0	0.0	17.1	0.0	127.0	24.8
19	0.36	14.6	0.4	85.12	0.0	0.0	0.0	17.1	0.0	83.7	16.3
20	0.36	14.9	0.4	31.55	0.0	0.0	0.0	17.1	0.0	31.0	6.1

xc = 30.279 yc = 69.246 Rc = 66.118 Fs=2.048

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.44	-8.1	0.4	105.24	0.0	0.0	0.0	17.1	0.0	108.6	16.3
2	1.01	-7.5	1.0	911.97	0.0	0.0	0.0	17.1	0.0	938.4	140.7
3	1.01	-6.6	1.0	1591.15	0.0	0.0	0.0	17.1	0.0	1630.3	244.4
4	1.01	-5.8	1.0	1989.96	0.0	0.0	0.0	17.1	226.2	1799.9	269.9
5	1.01	-4.9	1.0	2248.15	0.0	0.0	0.0	17.1	524.4	1752.5	262.8
6	3.02	-3.1	3.0	7778.65	0.0	0.0	0.12	19.6	3222.2	4705.1	2589.4
7	9.06	2.1	9.1	61183.53	0.0	0.0	0.12	19.6	20822.6	39937.9	12254.6
8	3.02	7.4	3.0	19275.1	0.0	0.0	0.12	19.6	8601.3	10301.1	3574.6
9	2.01	9.6	2.0	12219.87	0.0	0.0	0.12	19.6	5869.6	6061.0	2249.6
10	2.01	11.3	2.1	12298.65	0.0	0.0	0.12	19.6	5819.0	6153.1	2272.5
11	3.02	13.6	3.1	20067.06	0.0	0.0	0.12	19.6	8384.4	11112.7	3751.8
12	2.01	15.8	2.1	13016.55	0.0	0.0	0.12	19.6	5150.5	7460.9	2522.9
13	2.01	17.6	2.1	13690.41	0.0	0.0	0.12	19.6	4629.4	8637.1	2739.2
14	3.02	19.9	3.2	22469.2	0.0	0.0	0.12	19.6	6040.7	15797.1	4628.6
15	2.01	22.3	2.2	12626.07	0.0	0.0	0.12	19.6	3176.8	9045.1	2847.1
16	1.81	24.1	2.0	9211.66	0.0	0.0	0.12	19.6	2149.5	6697.1	2323.1
17	1.21	25.5	1.3	4762.75	0.0	0.0	0.12	19.6	1003.9	3498.7	1396.2
18	1.01	26.6	1.1	3327.88	0.0	0.0	0.12	19.6	526.6	2578.2	1107.6
19	1.01	27.6	1.1	2975.35	0.0	0.0	0.12	19.6	237.0	2513.7	1102.1
20	6.14	31.2	7.2	13295.77	0.0	0.0	0.0	17.1	0.0	14246.6	2136.1

xc = 21.255 yc = 70.837 Rc = 65.831 Fs=1.654

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.35	8.3	0.4	122.3	0.0	0.0	0.0	17.1	0.0	120.3	22.3
2	0.31	8.5	0.3	320.39	0.0	0.0	0.0	17.1	0.0	315.2	58.5
3	0.38	8.8	0.4	518.61	0.0	0.0	0.0	17.1	0.0	510.1	94.7
4	0.35	9.2	0.4	489.74	0.0	0.0	0.0	17.1	0.0	481.6	89.4
5	0.28	9.4	0.3	398.62	0.0	0.0	0.0	17.1	0.0	392.0	72.8
6	0.42	9.8	0.4	608.37	0.0	0.0	0.0	17.1	0.0	598.2	111.0
7	0.35	10.1	0.4	495.11	0.0	0.0	0.0	17.1	0.0	486.8	90.4
8	0.24	10.4	0.2	332.13	0.0	0.0	0.0	17.1	0.0	326.6	60.6
9	0.46	10.7	0.5	597.81	0.0	0.0	0.0	17.1	0.0	587.8	109.1
10	0.35	11.0	0.4	398.42	0.0	0.0	0.0	17.1	0.0	391.7	72.7
11	0.2	11.3	0.2	205.38	0.0	0.0	0.0	17.1	0.0	201.9	37.5
12	0.5	11.6	0.5	455.26	0.0	0.0	0.0	17.1	0.0	447.7	83.1
13	0.51	12.0	0.5	379.85	0.0	0.0	0.0	17.1	0.0	373.6	69.3
14	0.19	12.3	0.2	120.94	0.0	0.0	0.0	17.1	0.0	119.0	22.1
15	0.35	12.6	0.4	204.21	0.0	0.0	0.0	17.1	0.0	200.9	37.3
16	0.47	12.9	0.5	233.66	0.0	0.0	0.0	17.1	0.0	229.9	42.7
17	0.23	13.2	0.2	93.21	0.0	0.0	0.0	17.1	0.0	91.8	17.0

18	0.35	13.5	0.4	111.67	0.0	0.0	0.0	17.1	0.0	109.9	20.4
19	0.35	13.8	0.4	72.74	0.0	0.0	0.0	17.1	0.0	71.6	13.3
20	0.35	14.1	0.4	28.4	0.0	0.0	0.0	17.1	0.0	28.0	5.2

xc = 30.279 yc = 72.429 Rc = 69.288 Fs=2.00

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.47	-7.8	0.5	120.07	0.0	0.0	0.0	17.1	0.0	123.8	19.0
2	1.01	-7.2	1.0	935.7	0.0	0.0	0.0	17.1	0.0	961.6	147.6
3	1.01	-6.3	1.0	1604.1	0.0	0.0	0.0	17.1	0.0	1641.9	252.1
4	1.01	-5.5	1.0	1993.51	0.0	0.0	0.0	17.1	228.1	1800.1	276.3
5	1.01	-4.7	1.0	2243.65	0.0	0.0	0.0	17.1	521.9	1749.3	268.5
6	3.02	-3.0	3.0	7727.64	0.0	0.0	0.12	19.6	3195.3	4676.8	2646.0
7	9.22	2.1	9.2	62274.78	0.0	0.0	0.12	19.6	21186.5	40651.9	12775.1
8	1.84	6.7	1.9	11928.64	0.0	0.0	0.12	19.6	5237.2	6472.2	2266.2
9	1.01	7.9	1.0	6253.36	0.0	0.0	0.12	19.6	2926.7	3195.7	1178.3
10	1.01	8.7	1.0	6152.38	0.0	0.0	0.12	19.6	2947.4	3065.4	1156.4
11	1.01	9.5	1.0	6152.81	0.0	0.0	0.12	19.6	2964.9	3038.9	1153.1
12	1.01	10.4	1.0	6189.28	0.0	0.0	0.12	19.6	2967.1	3063.5	1159.1
13	1.01	11.2	1.0	6326.66	0.0	0.0	0.12	19.6	2941.8	3215.1	1187.8
14	1.01	12.1	1.0	6592.69	0.0	0.0	0.12	19.6	2913.0	3497.7	1240.0
15	1.01	12.9	1.0	6828.87	0.0	0.0	0.12	19.6	2868.4	3767.3	1290.1
16	3.02	14.6	3.1	20877.01	0.0	0.0	0.12	19.6	8158.4	12093.9	4025.0
17	12.07	21.3	13.0	81012.86	0.0	0.0	0.12	19.6	21827.3	56567.1	17846.3
18	3.02	28.1	3.4	9702.08	0.0	0.0	0.12	19.6	46.8	8994.1	3653.8
19	1.7	30.3	2.0	4250.37	0.0	0.0	0.0	17.1	0.0	4518.0	693.6
20	2.39	32.3	2.8	3261.65	0.0	0.0	0.0	17.1	0.0	3517.3	540.0

xc = 24.263 yc = 75.612 Rc = 71.25 Fs=2.205

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.76	-1.2	0.8	92.2	0.0	0.0	0.0	17.1	0.0	92.5	12.9
2	1.01	-0.5	1.0	307.82	0.0	0.0	0.0	17.1	0.0	308.2	42.9
3	1.01	0.3	1.0	394.6	0.0	0.0	0.0	17.1	0.0	394.3	54.9
4	3.02	1.9	3.0	1159.26	0.0	0.0	0.0	17.1	0.0	1154.5	160.8
5	3.02	4.4	3.0	2298.9	0.0	0.0	0.0	17.1	1042.2	1247.1	173.7
6	1.01	6.0	1.0	3435.16	0.0	0.0	0.0	17.1	545.1	2864.1	398.9

7	2.01	7.2	2.07	169.75	0.0	0.0	0.0	17.1	1266.6	5847.2	814.3
8	2.01	8.8	2.06	154.69	0.0	0.0	0.12	19.6	1391.3	4534.3	1840.7
9	1.01	10.1	1.02	881.48	0.0	0.0	0.12	19.6	718.6	2039.5	885.6
10	2.01	11.3	2.14	833.61	0.0	0.0	0.12	19.6	1391.5	3184.1	1631.1
11	1.11	12.6	1.12	085.75	0.0	0.0	0.12	19.6	693.5	1243.1	821.5
12	0.9	13.4	0.91	461.42	0.0	0.0	0.12	19.6	511.9	824.3	636.2
13	1.01	14.2	1.01	479.01	0.0	0.0	0.12	19.6	505.0	827.8	698.6
14	1.01	15.0	1.01	351.02	0.0	0.0	0.12	19.6	420.6	777.2	692.5
15	1.01	15.9	1.01	325.55	0.0	0.0	0.0	17.1	308.4	1017.2	141.7
16	1.01	16.7	1.11	429.02	0.0	0.0	0.0	17.1	192.1	1239.7	172.6
17	1.01	17.6	1.11	502.39	0.0	0.0	0.0	17.1	59.5	1449.6	201.9
18	3.02	19.3	3.23	917.24	0.0	0.0	0.0	17.1	0.0	3957.3	551.1
19	4.12	22.4	4.57	663.12	0.0	0.0	0.0	17.1	0.0	7837.4	1091.5
20	1.63	24.9	1.8	758.55	0.0	0.0	0.0	17.1	0.0	785.4	109.4

xc = 30.279 yc = 75.612 Rc = 72.458 Fs=2.01

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	-7.5	0.5	133.47	0.0	0.0	0.0	17.1	0.0	137.4	21.0
2	1.01	-6.9	1.0	955.13	0.0	0.0	0.0	17.1	0.0	980.0	149.7
3	1.01	-6.1	1.0	1613.7	0.0	0.0	0.0	17.1	0.0	1649.5	252.0
4	1.01	-5.3	1.01	994.53	0.0	0.0	0.0	17.1	228.6	1798.6	274.7
5	1.01	-4.5	1.02	237.35	0.0	0.0	0.0	17.1	518.5	1744.8	266.5
6	3.02	-2.9	3.0	7674.3	0.0	0.0	0.12	19.6	3167.3	4643.9	2626.8
7	9.73	2.2	9.76	5946.36	0.0	0.0	0.12	19.6	2606.1	4286	0.2 13404.2
8	1.34	6.6	1.38	646.91	0.0	0.0	0.12	19.6	3843.2	4647.8	1629.2
9	1.01	7.5	1.06	282.47	0.0	0.0	0.12	19.6	2942.0	3214.5	1175.3
10	1.01	8.3	1.06	193.98	0.0	0.0	0.12	19.6	2969.3	3090.3	1154.5
11	1.01	9.1	1.06	208.24	0.0	0.0	0.12	19.6	2994.1	3070.4	1152.3
12	1.01	9.9	1.0	6259.9	0.0	0.0	0.12	19.6	3004.2	3102.3	1159.4
13	1.01	10.7	1.06	413.88	0.0	0.0	0.12	19.6	2987.7	3261.8	1189.2
14	1.01	11.5	1.06	697.96	0.0	0.0	0.12	19.6	2968.4	3552.8	1242.5
15	1.01	12.4	1.06	953.65	0.0	0.0	0.12	19.6	2934.1	3831.5	1293.7
16	3.02	14.0	3.12	1382.22	0.0	0.0	0.12	19.6	8424.3	12346.4	4044.4
17	14.09	21.2	15.19	1584.21	0.0	0.0	0.12	19.6	26208.0	6233	9.9 20064.3
18	2.01	28.1	2.37	927.82	0.0	0.0	0.12	19.6	0.0	7546.1	2698.6
19	2.11	30.0	2.46	405.24	0.0	0.0	0.12	19.6	0.0	5947.7	2507.6
20	2.47	32.1	2.92	225.04	0.0	0.0	0.0	17.1	0.0	2396.4	366.1

xc = 21.255 yc = 77.204 Rc = 71.972 Fs=1.82

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.33	7.7	0.3	111.19	0.0	0.0	0.0	17.1	0.0	109.7	18.5
2	0.18	7.9	0.2	153.65	0.0	0.0	0.0	17.1	0.0	151.6	25.6
3	0.48	8.1	0.5	517.53	0.0	0.0	0.0	17.1	0.0	510.5	86.1
4	0.33	8.5	0.3	376.03	0.0	0.0	0.0	17.1	0.0	370.9	62.6
5	0.19	8.7	0.2	228.48	0.0	0.0	0.0	17.1	0.0	225.3	38.0
6	0.47	8.9	0.5	551.67	0.0	0.0	0.0	17.1	0.0	544.0	91.8
7	0.33	9.3	0.3	385.61	0.0	0.0	0.0	17.1	0.0	380.2	64.1
8	0.21	9.5	0.2	241.0	0.0	0.0	0.0	17.1	0.0	237.6	40.1
9	0.45	9.7	0.5	483.33	0.0	0.0	0.0	17.1	0.0	476.6	80.4
10	0.33	10.1	0.3	306.78	0.0	0.0	0.0	17.1	0.0	302.5	51.0
11	0.22	10.3	0.2	184.53	0.0	0.0	0.0	17.1	0.0	182.0	30.7
12	0.44	10.5	0.4	315.83	0.0	0.0	0.0	17.1	0.0	311.5	52.5
13	0.33	10.9	0.3	201.13	0.0	0.0	0.0	17.1	0.0	198.4	33.5
14	0.24	11.1	0.2	124.24	0.0	0.0	0.0	17.1	0.0	122.6	20.7
15	0.42	11.4	0.4	190.51	0.0	0.0	0.0	17.1	0.0	187.9	31.7
16	0.33	11.7	0.3	127.08	0.0	0.0	0.0	17.1	0.0	125.4	21.2
17	0.25	11.9	0.3	83.54	0.0	0.0	0.0	17.1	0.0	82.4	13.9
18	0.41	12.2	0.4	103.14	0.0	0.0	0.0	17.1	0.0	101.8	17.2
19	0.33	12.5	0.3	49.79	0.0	0.0	0.0	17.1	0.0	49.2	8.3
20	0.33	12.7	0.3	18.65	0.0	0.0	0.0	17.1	0.0	18.4	3.1

xc = 24.263 yc = 78.796 Rc = 74.303 Fs=1.587

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.99	-0.5	1.0	64.84	0.0	0.0	0.0	17.1	0.0	64.9	12.6
2	1.01	0.3	1.0	151.54	0.0	0.0	0.0	17.1	0.0	151.4	29.3
3	1.01	1.1	1.0	175.6	0.0	0.0	0.0	17.1	0.0	175.0	33.9
4	2.01	2.2	2.0	225.85	0.0	0.0	0.0	17.1	0.0	224.3	43.4
5	1.01	3.4	1.0	48.12	0.0	0.0	0.0	17.1	0.0	47.7	9.2
6	1.01	4.2	1.0	538.98	0.0	0.0	0.0	17.1	224.5	310.9	60.2
7	1.01	5.0	1.0	2028.21	0.0	0.0	0.0	17.1	344.7	1661.9	321.5
8	1.01	5.7	1.0	3221.9	0.0	0.0	0.0	17.1	429.8	2752.6	532.6
9	1.01	6.5	1.0	3365.08	0.0	0.0	0.0	17.1	501.0	2820.4	545.7
10	1.01	7.3	1.0	3249.75	0.0	0.0	0.0	17.1	546.2	2659.7	514.6
11	1.01	8.1	1.0	3006.06	0.0	0.0	0.0	17.1	589.4	2375.7	459.6
12	1.01	8.9	1.0	2857.2	0.0	0.0	0.0	17.1	618.4	2199.5	425.5
13	3.02	10.4	3.1	7360.43	0.0	0.0	0.12	19.6	1865.1	4955.1	3432.5
14	7.04	14.4	7.3	9103.51	0.0	0.0	0.0	17.1	2754.9	6244.5	1208.1

15	1.21	17.7	1.3	1951.73	0.0	0.0	0.0	17.1	0.0	1929.7	373.3
16	1.81	19.0	1.9	1950.64	0.0	0.0	0.0	17.1	0.0	1934.0	374.2
17	2.01	20.5	2.1	2397.08	0.0	0.0	0.0	17.1	0.0	2386.7	461.8
18	1.05	21.8	1.1	1996.94	0.0	0.0	0.0	17.1	0.0	1996.2	386.2
19	0.97	22.6	1.0	1530.46	0.0	0.0	0.0	17.1	0.0	1534.3	296.9
20	2.28	24.0	2.5	1460.56	0.0	0.0	0.0	17.1	0.0	1471.9	284.8

xc = 30.279 yc = 78.796 Rc = 75.628 Fs=2.067

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.53	-7.1	0.5	145.39	0.0	0.0	0.0	17.1	0.0	149.3	22.2
2	1.01	-6.6	1.0	970.81	0.0	0.0	0.0	17.1	0.0	994.2	147.7
3	1.01	-5.8	1.0	1620.39	0.0	0.0	0.0	17.1	0.0	1653.7	245.7
4	1.01	-5.0	1.0	1993.39	0.0	0.0	0.0	17.1	228.0	1795.7	266.8
5	1.01	-4.3	1.0	2229.49	0.0	0.0	0.0	17.1	514.3	1739.3	258.4
6	3.02	-2.7	3.0	7619.03	0.0	0.0	0.12	19.6	3138.2	4608.0	2548.2
7	11.07	2.6	11.1	74568.95	0.0	0.0	0.12	19.6	26481.9	47472.0	14611.2
8	2.01	7.6	2.0	12394.51	0.0	0.0	0.12	19.6	5946.5	6205.9	2247.8
9	3.02	9.5	3.1	18966.84	0.0	0.0	0.12	19.6	9111.2	9423.5	3400.4
10	2.01	11.4	2.1	13975.85	0.0	0.0	0.12	19.6	6026.3	7604.3	2502.1
11	3.02	13.4	3.1	21836.54	0.0	0.0	0.12	19.6	8663.4	12595.8	3971.6
12	2.01	15.4	2.1	15089.79	0.0	0.0	0.12	19.6	5365.9	9310.6	2815.7
13	3.02	17.3	3.2	25242.85	0.0	0.0	0.12	19.6	7500.5	17094.3	4781.2
14	2.01	19.4	2.1	14997.69	0.0	0.0	0.12	19.6	4425.0	10156.4	2988.1
15	3.02	21.4	3.2	18401.91	0.0	0.0	0.12	19.6	5509.7	12280.0	3997.8
16	2.01	23.4	2.2	9871.94	0.0	0.0	0.12	19.6	2688.6	6771.6	2440.1
17	3.02	25.5	3.3	13916.28	0.0	0.0	0.12	19.6	2264.8	11073.7	3850.2
18	2.01	27.7	2.3	8173.7	0.0	0.0	0.12	19.6	101.8	7724.8	2650.1
19	2.17	29.5	2.5	6678.28	0.0	0.0	0.12	19.6	0.0	6245.9	2521.8
20	2.52	31.5	3.0	2929.42	0.0	0.0	0.0	17.1	0.0	3150.1	468.0

xc = 21.255 yc = 80.387 Rc = 75.054 Fs=1.907

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.44	7.4	0.4	199.56	0.0	0.0	0.0	17.1	0.0	197.1	31.7
2	0.2	7.7	0.2	182.17	0.0	0.0	0.0	17.1	0.0	179.9	29.0
3	0.32	7.9	0.3	308.3	0.0	0.0	0.0	17.1	0.0	304.5	49.0

4	0.32	8.1	0.3	324.96	0.0	0.0	0.0	17.1	0.0	320.9	51.7
5	0.17	8.3	0.2	176.68	0.0	0.0	0.0	17.1	0.0	174.5	28.1
6	0.47	8.6	0.5	501.49	0.0	0.0	0.0	17.1	0.0	495.1	79.7
7	0.32	8.9	0.3	336.46	0.0	0.0	0.0	17.1	0.0	332.2	53.5
8	0.21	9.1	0.2	222.58	0.0	0.0	0.0	17.1	0.0	219.7	35.4
9	0.43	9.3	0.4	411.87	0.0	0.0	0.0	17.1	0.0	406.6	65.5
10	0.32	9.6	0.3	267.8	0.0	0.0	0.0	17.1	0.0	264.4	42.6
11	0.26	9.8	0.3	190.49	0.0	0.0	0.0	17.1	0.0	188.1	30.3
12	0.38	10.1	0.4	242.02	0.0	0.0	0.0	17.1	0.0	239.0	38.5
13	0.32	10.4	0.3	172.27	0.0	0.0	0.0	17.1	0.0	170.1	27.4
14	0.31	10.6	0.3	136.94	0.0	0.0	0.0	17.1	0.0	135.2	21.8
15	0.33	10.9	0.3	126.73	0.0	0.0	0.0	17.1	0.0	125.2	20.2
16	0.32	11.1	0.3	104.75	0.0	0.0	0.0	17.1	0.0	103.5	16.7
17	0.35	11.4	0.4	95.46	0.0	0.0	0.0	17.1	0.0	94.3	15.2
18	0.29	11.6	0.3	59.38	0.0	0.0	0.0	17.1	0.0	58.7	9.4
19	0.32	11.9	0.3	40.86	0.0	0.0	0.0	17.1	0.0	40.4	6.5
20	0.32	12.1	0.3	13.84	0.0	0.0	0.0	17.1	0.0	13.7	2.2

xc = 24.263 yc = 81.979 Rc = 77.364 Fs=1.198

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.89	4.1	0.9	331.33	0.0	0.0	0.0	17.1	104.4	223.5	57.3
2	1.01	4.8	1.01	821.52	0.0	0.0	0.0	17.1	233.0	1560.7	400.1
3	1.01	5.5	1.03	022.19	0.0	0.0	0.0	17.1	321.9	2647.4	678.7
4	1.01	6.3	1.03	173.43	0.0	0.0	0.0	17.1	397.4	2716.3	696.4
5	1.01	7.0	1.0	3067.2	0.0	0.0	0.0	17.1	447.5	2558.7	656.0
6	1.01	7.8	1.02	833.69	0.0	0.0	0.0	17.1	496.2	2279.5	584.4
7	1.01	8.5	1.02	696.11	0.0	0.0	0.0	17.1	531.3	2108.0	540.5
8	3.02	10.0	3.16	952.03	0.0	0.0	0.0	17.1	1645.9	5154.7	1321.6
9	2.1	12.0	2.13	128.41	0.0	0.0	0.0	17.1	1052.5	2012.7	516.0
10	0.92	13.1	0.91	213.29	0.0	0.0	0.0	17.1	393.2	794.6	203.7
11	1.01	13.8	1.01	250.84	0.0	0.0	0.0	17.1	366.7	856.5	219.6
12	1.01	14.6	1.01	269.52	0.0	0.0	0.0	17.1	278.1	960.4	246.2
13	1.01	15.4	1.01	419.56	0.0	0.0	0.0	17.1	187.0	1194.2	306.2
14	1.01	16.1	1.01	542.42	0.0	0.0	0.0	17.1	81.1	1416.2	363.1
15	1.01	16.9	1.11	647.09	0.0	0.0	0.0	17.1	0.0	1597.1	409.5
16	2.01	18.1	2.12	303.02	0.0	0.0	0.0	17.1	0.0	2235.6	573.2
17	1.01	19.3	1.11	336.68	0.0	0.0	0.0	17.1	0.0	1299.5	333.2
18	1.01	20.1	1.11	802.49	0.0	0.0	0.0	17.1	0.0	1754.7	449.9
19	1.01	20.9	1.12	117.92	0.0	0.0	0.0	17.1	0.0	2064.8	529.4
20	3.75	22.8	4.1	4053.1	0.0	0.0	0.0	17.1	0.0	3968.6	1017.5

xc = 24.263 yc = 85.162 Rc = 80.433 Fs=1.229

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.65	4.0	0.7	177.91	0.0	0.0	0.0	17.1	16.6	158.9	39.7
2	1.01	4.6	1.01	627.53	0.0	0.0	0.0	17.1	128.1	1474.7	368.5
3	1.01	5.3	1.02	834.67	0.0	0.0	0.0	17.1	220.5	2565.9	641.1
4	1.01	6.0	1.02	993.36	0.0	0.0	0.0	17.1	300.0	2638.7	659.3
5	1.01	6.7	1.02	895.54	0.0	0.0	0.0	17.1	354.7	2485.1	620.9
6	1.01	7.5	1.02	671.45	0.0	0.0	0.0	17.1	408.5	2210.0	552.2
7	1.01	8.2	1.02	544.28	0.0	0.0	0.0	17.1	449.2	2043.2	510.5
8	3.02	9.6	3.16	568.29	0.0	0.0	0.0	17.1	1438.5	4991.4	1247.2
9	3.02	11.8	3.14	126.81	0.0	0.0	0.0	17.1	1294.5	2749.8	687.1
10	1.01	13.3	1.01	201.67	0.0	0.0	0.0	17.1	340.1	835.9	208.9
11	1.14	14.1	1.21	410.13	0.0	0.0	0.0	17.1	291.3	1085.5	271.2
12	0.87	14.8	0.91	237.57	0.0	0.0	0.0	17.1	152.5	1052.8	263.1
13	1.01	15.5	1.01	554.56	0.0	0.0	0.0	17.1	87.7	1423.6	355.7
14	1.01	16.3	1.01	682.21	0.0	0.0	0.0	17.1	0.0	1633.3	408.1
15	2.01	17.4	2.12	447.25	0.0	0.0	0.0	17.1	0.0	2378.3	594.3
16	1.01	18.5	1.11	448.94	0.0	0.0	0.0	17.1	0.0	1410.0	352.3
17	1.01	19.3	1.11	943.36	0.0	0.0	0.0	17.1	0.0	1893.3	473.1
18	1.01	20.0	1.12	288.94	0.0	0.0	0.0	17.1	0.0	2232.9	557.9
19	1.01	20.8	1.12	029.21	0.0	0.0	0.0	17.1	0.0	1982.5	495.4
20	3.25	22.4	3.53	172.16	0.0	0.0	0.0	17.1	0.0	3111.0	777.3

xc = 21.255 yc = 86.754 Rc = 81.237 Fs=2.087

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.32	6.9	0.3	104.26	0.0	0.0	0.0	17.1	0.0	103.2	15.2
2	0.27	7.1	0.3	182.96	0.0	0.0	0.0	17.1	0.0	181.1	26.6
3	0.29	7.3	0.3	215.34	0.0	0.0	0.0	17.1	0.0	213.1	31.4
4	0.29	7.5	0.3	230.99	0.0	0.0	0.0	17.1	0.0	228.6	33.6
5	0.15	7.7	0.2	124.23	0.0	0.0	0.0	17.1	0.0	122.9	18.1
6	0.44	7.9	0.4	366.64	0.0	0.0	0.0	17.1	0.0	362.7	53.4
7	0.29	8.2	0.3	246.09	0.0	0.0	0.0	17.1	0.0	243.5	35.8
8	0.28	8.4	0.3	230.61	0.0	0.0	0.0	17.1	0.0	228.1	33.6
9	0.31	8.6	0.3	243.87	0.0	0.0	0.0	17.1	0.0	241.3	35.5
10	0.29	8.8	0.3	201.9	0.0	0.0	0.0	17.1	0.0	199.8	29.4
11	0.4	9.0	0.4	230.73	0.0	0.0	0.0	17.1	0.0	228.3	33.6

12	0.19	9.2	0.2	89.79	0.0	0.0	0.0	17.1	0.0	88.8	13.1
13	0.29	9.4	0.3	124.78	0.0	0.0	0.0	17.1	0.0	123.5	18.2
14	0.29	9.6	0.3	102.81	0.0	0.0	0.0	17.1	0.0	101.7	15.0
15	0.23	9.8	0.2	65.81	0.0	0.0	0.0	17.1	0.0	65.1	9.6
16	0.35	10.0	0.4	80.69	0.0	0.0	0.0	17.1	0.0	79.9	11.8
17	0.29	10.3	0.3	54.88	0.0	0.0	0.0	17.1	0.0	54.3	8.0
18	0.36	10.5	0.4	51.23	0.0	0.0	0.0	17.1	0.0	50.7	7.5
19	0.23	10.7	0.2	20.9	0.0	0.0	0.0	17.1	0.0	20.7	3.0
20	0.29	10.9	0.3	9.86	0.0	0.0	0.0	17.1	0.0	9.8	1.4

xc = 24.263 yc = 88.346 Rc = 83.509 Fs=1.254

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.43	3.9	0.4	77.12	0.0	0.0	0.0	17.1	0.0	76.0	18.6
2	1.01	4.4	1.01	444.95	0.0	0.0	0.0	17.1	29.4	1393.4	341.1
3	1.01	5.1	1.02	658.12	0.0	0.0	0.0	17.1	125.1	2488.7	609.3
4	1.01	5.8	1.02	823.71	0.0	0.0	0.0	17.1	208.3	2565.0	628.0
5	1.01	6.5	1.0	2733.7	0.0	0.0	0.0	17.1	267.2	2415.1	591.3
6	1.01	7.2	1.02	518.32	0.0	0.0	0.0	17.1	325.7	2143.8	524.9
7	1.01	7.9	1.02	400.82	0.0	0.0	0.0	17.1	371.7	1981.3	485.1
8	3.02	9.3	3.16	204.31	0.0	0.0	0.0	17.1	1241.7	4834.9	1183.7
9	3.02	11.4	3.13	884.56	0.0	0.0	0.0	17.1	1163.6	2645.2	647.6
10	1.2	12.9	1.21	381.43	0.0	0.0	0.0	17.1	362.7	989.6	242.3
11	0.81	13.6	0.8	978.83	0.0	0.0	0.0	17.1	197.3	759.2	185.9
12	1.01	14.2	1.01	397.99	0.0	0.0	0.0	17.1	175.3	1187.7	290.8
13	1.01	14.9	1.01	562.49	0.0	0.0	0.0	17.1	92.0	1428.6	349.8
14	1.01	15.6	1.01	711.27	0.0	0.0	0.0	17.1	0.0	1663.1	407.2
15	2.01	16.7	2.12	573.33	0.0	0.0	0.0	17.1	0.0	2502.9	612.8
16	1.01	17.8	1.11	548.82	0.0	0.0	0.0	17.1	0.0	1508.2	369.2
17	1.01	18.5	1.12	069.44	0.0	0.0	0.0	17.1	0.0	2017.1	493.8
18	1.01	19.3	1.12	442.61	0.0	0.0	0.0	17.1	0.0	2383.6	583.6
19	1.01	20.0	1.1	2211.9	0.0	0.0	0.0	17.1	0.0	2161.3	529.1
20	3.84	21.8	4.14	242.05	0.0	0.0	0.0	17.1	0.0	4161.2	1018.8

xc = 57.35 yc = 86.754 Rc = 73.197 Fs=1.934

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.36	6.5	0.4	41.74	0.0	0.0	0.0	17.1	0.0	41.3	6.6
2	0.36	6.8	0.4	124.34	0.0	0.0	0.0	17.1	0.0	122.9	19.5
3	0.26	7.0	0.3	144.6	0.0	0.0	0.0	17.1	0.0	142.9	22.7
4	0.45	7.3	0.5	287.87	0.0	0.0	0.0	17.1	0.0	284.4	45.2
5	0.36	7.6	0.4	233.45	0.0	0.0	0.0	17.1	0.0	230.6	36.6
6	0.2	7.8	0.2	132.57	0.0	0.0	0.0	17.1	0.0	131.0	20.8
7	0.51	8.1	0.5	306.16	0.0	0.0	0.0	17.1	0.0	302.4	48.0
8	0.36	8.5	0.4	171.15	0.0	0.0	0.0	17.1	0.0	169.0	26.8
9	0.36	8.7	0.4	142.74	0.0	0.0	0.0	17.1	0.0	141.0	22.4
10	0.36	9.0	0.4	167.03	0.0	0.0	0.0	17.1	0.0	165.0	26.2
11	0.43	9.3	0.4	231.81	0.0	0.0	0.0	17.1	0.0	228.9	36.4
12	0.28	9.6	0.3	168.12	0.0	0.0	0.0	17.1	0.0	166.1	26.4
13	0.36	9.9	0.4	223.4	0.0	0.0	0.0	17.1	0.0	220.7	35.0
14	0.37	10.2	0.4	241.92	0.0	0.0	0.0	17.1	0.0	239.0	37.9
15	0.35	10.4	0.4	219.82	0.0	0.0	0.0	17.1	0.0	217.2	34.5
16	0.36	10.7	0.4	192.4	0.0	0.0	0.0	17.1	0.0	190.1	30.2
17	0.36	11.0	0.4	157.5	0.0	0.0	0.0	17.1	0.0	155.6	24.7
18	0.21	11.2	0.2	76.55	0.0	0.0	0.0	17.1	0.0	75.7	12.0
19	0.5	11.5	0.5	118.36	0.0	0.0	0.0	17.1	0.0	117.0	18.6
20	0.36	11.9	0.4	25.09	0.0	0.0	0.0	17.1	0.0	24.8	3.9

xc = 21.255 yc = 89.937 Rc = 84.336 Fs=2.181

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	6.7	0.3	70.87	0.0	0.0	0.0	17.1	0.0	70.2	9.9
2	0.29	6.9	0.3	168.3	0.0	0.0	0.0	17.1	0.0	166.7	23.5
3	0.28	7.1	0.3	174.58	0.0	0.0	0.0	17.1	0.0	172.9	24.3
4	0.28	7.3	0.3	189.35	0.0	0.0	0.0	17.1	0.0	187.5	26.4
5	0.15	7.4	0.2	111.19	0.0	0.0	0.0	17.1	0.0	110.1	15.5
6	0.4	7.6	0.4	296.5	0.0	0.0	0.0	17.1	0.0	293.6	41.3
7	0.28	7.8	0.3	205.8	0.0	0.0	0.0	17.1	0.0	203.8	28.7
8	0.33	8.0	0.3	240.44	0.0	0.0	0.0	17.1	0.0	238.1	33.5
9	0.23	8.2	0.2	162.78	0.0	0.0	0.0	17.1	0.0	161.2	22.7
10	0.28	8.4	0.3	173.96	0.0	0.0	0.0	17.1	0.0	172.3	24.3
11	0.28	8.6	0.3	149.69	0.0	0.0	0.0	17.1	0.0	148.2	20.9
12	0.22	8.8	0.2	99.87	0.0	0.0	0.0	17.1	0.0	98.9	13.9
13	0.34	9.0	0.3	130.03	0.0	0.0	0.0	17.1	0.0	128.8	18.1
14	0.28	9.2	0.3	86.18	0.0	0.0	0.0	17.1	0.0	85.4	12.0
15	0.39	9.4	0.4	88.29	0.0	0.0	0.0	17.1	0.0	87.4	12.3
16	0.17	9.6	0.2	28.36	0.0	0.0	0.0	17.1	0.0	28.1	4.0
17	0.28	9.7	0.3	39.96	0.0	0.0	0.0	17.1	0.0	39.6	5.6
18	0.28	9.9	0.3	30.78	0.0	0.0	0.0	17.1	0.0	30.5	4.3
19	0.28	10.1	0.3	21.09	0.0	0.0	0.0	17.1	0.0	20.9	2.9

20	0.28	10.3	0.3	8.13	0.0	0.0	0.0	17.1	0.0	8.1	1.1

xc = 24.263 yc = 91.529 Rc = 86.591 Fs=1.28

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.22	3.9	0.2	20.28	0.0	0.0	0.0	17.1	0.0	20.0	4.8
2	1.01	4.3	1.01	272.73	0.0	0.0	0.0	17.1	0.0	1253.9	300.9
3	1.01	4.9	1.02	491.48	0.0	0.0	0.0	17.1	35.0	2415.7	579.8
4	1.01	5.6	1.02	663.48	0.0	0.0	0.0	17.1	121.7	2495.3	598.9
5	1.01	6.3	1.02	580.74	0.0	0.0	0.0	17.1	184.6	2348.7	563.7
6	1.01	6.9	1.02	373.46	0.0	0.0	0.0	17.1	247.4	2081.0	499.4
7	1.01	7.6	1.02	264.92	0.0	0.0	0.0	17.1	298.2	1922.5	461.4
8	3.02	8.9	3.15	858.32	0.0	0.0	0.0	17.1	1054.7	4685.7	1124.6
9	3.17	11.0	3.23	821.93	0.0	0.0	0.0	17.1	1080.7	2668.0	640.3
10	0.86	12.4	0.9	942.51	0.0	0.0	0.0	17.1	241.1	682.2	163.7
11	1.01	13.0	1.0	1177.2	0.0	0.0	0.0	17.1	228.2	922.8	221.5
12	1.01	13.7	1.01	383.87	0.0	0.0	0.0	17.1	167.7	1182.6	283.8
13	1.01	14.4	1.0	1566.8	0.0	0.0	0.0	17.1	94.3	1432.0	343.7
14	1.01	15.1	1.0	1735.1	0.0	0.0	0.0	17.1	8.0	1680.0	403.2
15	2.01	16.1	2.12	683.68	0.0	0.0	0.0	17.1	0.0	2612.3	627.0
16	1.01	17.2	1.11	637.91	0.0	0.0	0.0	17.1	0.0	1595.9	383.0
17	1.01	17.9	1.12	182.64	0.0	0.0	0.0	17.1	0.0	2128.5	510.9
18	1.01	18.6	1.12	581.15	0.0	0.0	0.0	17.1	0.0	2519.7	604.7
19	1.01	19.3	1.12	377.07	0.0	0.0	0.0	17.1	0.0	2323.2	557.6
20	4.29	21.1	4.65	245.76	0.0	0.0	0.0	17.1	0.0	5146.6	1235.2

xc = 54.342 yc = 91.529 Rc = 78.265 Fs=1.716

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.29	8.4	0.3	25.07	0.0	0.0	0.0	17.1	0.0	24.7	4.4
2	0.29	8.6	0.3	74.77	0.0	0.0	0.0	17.1	0.0	73.6	13.2
3	0.25	8.8	0.2	101.36	0.0	0.0	0.0	17.1	0.0	99.8	17.9
4	0.34	9.0	0.3	161.71	0.0	0.0	0.0	17.1	0.0	159.2	28.5
5	0.29	9.2	0.3	138.01	0.0	0.0	0.0	17.1	0.0	135.9	24.3
6	0.38	9.5	0.4	176.67	0.0	0.0	0.0	17.1	0.0	173.9	31.1
7	0.2	9.7	0.2	86.01	0.0	0.0	0.0	17.1	0.0	84.7	15.2
8	0.29	9.9	0.3	101.25	0.0	0.0	0.0	17.1	0.0	99.7	17.8

9	0.29	10.1	0.3	73.76	0.0	0.0	0.0	17.1	0.0	72.6	13.0
10	0.29	10.3	0.3	45.66	0.0	0.0	0.0	17.1	0.0	44.9	8.0
11	0.29	10.5	0.3	46.57	0.0	0.0	0.0	17.1	0.0	45.8	8.2
12	0.29	10.7	0.3	57.77	0.0	0.0	0.0	17.1	0.0	56.9	10.2
13	0.36	11.0	0.4	85.67	0.0	0.0	0.0	17.1	0.0	84.3	15.1
14	0.22	11.2	0.2	59.63	0.0	0.0	0.0	17.1	0.0	58.7	10.5
15	0.29	11.4	0.3	81.61	0.0	0.0	0.0	17.1	0.0	80.3	14.4
16	0.29	11.6	0.3	85.55	0.0	0.0	0.0	17.1	0.0	84.2	15.1
17	0.2	11.8	0.2	61.36	0.0	0.0	0.0	17.1	0.0	60.4	10.8
18	0.38	12.0	0.4	94.43	0.0	0.0	0.0	17.1	0.0	93.0	16.6
19	0.29	12.3	0.3	41.42	0.0	0.0	0.0	17.1	0.0	40.8	7.3
20	0.29	12.5	0.3	13.96	0.0	0.0	0.0	17.1	0.0	13.8	2.5

xc = 30.279 yc = 94.712 Rc = 90.794 Fs=2.207

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.16	-5.2	0.2	9.53	0.0	0.0	0.0	17.1	0.0	9.7	1.3
2	1.01	-4.8	1.0	343.54	0.0	0.0	0.0	17.1	0.0	348.9	48.5
3	1.01	-4.2	1.0	686.68	0.0	0.0	0.0	17.1	0.0	695.6	96.8
4	1.01	-3.6	1.0	897.21	0.0	0.0	0.0	17.1	0.0	906.8	126.2
5	3.02	-2.3	3.0	3459.79	0.0	0.0	0.0	17.1	915.4	2560.6	356.3
6	11.07	2.2	11.1	59052.95	0.0	0.0	0.12	19.6	18315.6	40292.3	12526.7
7	2.01	6.3	2.0	9947.95	0.0	0.0	0.12	19.6	4658.8	5108.6	1925.6
8	3.02	7.9	3.0	15665.08	0.0	0.0	0.12	19.6	7373.5	7962.6	2942.5
9	2.01	9.5	2.0	12079.28	0.0	0.0	0.12	19.6	5028.1	6780.2	2204.0
10	3.02	11.1	3.1	19541.7	0.0	0.0	0.12	19.6	7455.6	11619.8	3548.5
11	3.02	13.1	3.1	22744.82	0.0	0.0	0.12	19.6	7146.1	15058.0	4115.7
12	2.01	14.7	2.1	16191.6	0.0	0.0	0.12	19.6	4640.0	11172.6	2934.8
13	3.02	16.4	3.1	21814.16	0.0	0.0	0.12	19.6	6541.2	14717.8	4086.3
14	3.02	18.4	3.2	17894.58	0.0	0.0	0.12	19.6	5709.4	11641.1	3608.4
15	2.01	20.0	2.1	11363.6	0.0	0.0	0.12	19.6	3148.0	7857.5	2433.1
16	3.02	21.7	3.2	18480.94	0.0	0.0	0.12	19.6	3516.9	14473.5	4103.3
17	2.09	23.5	2.3	11897.61	0.0	0.0	0.12	19.6	1383.8	10208.6	2887.4
18	1.93	24.9	2.1	8303.06	0.0	0.0	0.12	19.6	386.3	7618.6	2388.9
19	1.01	25.9	1.1	3692.09	0.0	0.0	0.12	19.6	0.0	3532.1	1178.4
20	5.09	28.1	5.8	6023.57	0.0	0.0	0.12	19.6	0.0	4744.8	3903.8

xc = 24.263 yc = 97.895 Rc = 92.771 Fs=1.336

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.94	4.0	0.9	959.66	0.0	0.0	0.0	17.1	0.0	946.8	217.6
2	1.01	4.6	1.0	2184.34	0.0	0.0	0.0	17.1	0.0	2151.6	494.5
3	1.01	5.2	1.0	2367.92	0.0	0.0	0.0	17.1	0.0	2328.9	535.3
4	1.01	5.8	1.0	2298.25	0.0	0.0	0.0	17.1	31.9	2225.9	511.6
5	1.01	6.5	1.0	2105.57	0.0	0.0	0.0	17.1	102.6	1964.6	451.5
6	1.01	7.1	1.0	2013.17	0.0	0.0	0.0	17.1	162.1	1813.4	416.8
7	3.02	8.3	3.1	5214.09	0.0	0.0	0.0	17.1	706.5	4407.2	1012.9
8	2.26	10.0	2.3	2415.73	0.0	0.0	0.0	17.1	616.2	1756.1	403.6
9	0.76	10.9	0.8	763.13	0.0	0.0	0.0	17.1	195.0	554.0	127.3
10	1.01	11.5	1.0	1011.51	0.0	0.0	0.0	17.1	237.4	754.7	173.5
11	1.01	12.1	1.0	1112.84	0.0	0.0	0.0	17.1	193.4	896.2	206.0
12	1.01	12.8	1.0	1350.64	0.0	0.0	0.0	17.1	149.7	1170.4	269.0
13	1.01	13.4	1.0	1566.55	0.0	0.0	0.0	17.1	94.2	1435.0	329.8
14	3.02	14.7	3.1	5042.01	0.0	0.0	0.0	17.1	0.0	4916.2	1129.9
15	2.04	16.3	2.1	3784.46	0.0	0.0	0.0	17.1	0.0	3694.7	849.2
16	0.98	17.3	1.0	2741.6	0.0	0.0	0.0	17.1	0.0	2679.6	615.9
17	1.01	17.9	1.1	2663.0	0.0	0.0	0.0	17.1	0.0	2605.2	598.8
18	1.01	18.6	1.1	2315.02	0.0	0.0	0.0	17.1	0.0	2267.2	521.1
19	1.01	19.2	1.1	1887.34	0.0	0.0	0.0	17.1	0.0	1850.6	425.3
20	3.03	20.6	3.2	2854.57	0.0	0.0	0.0	17.1	0.0	2806.9	645.1

xc = 27.271 yc = 102.67 Rc = 96.855 Fs=1.291

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.49	2.2	0.5	266.04	0.0	0.0	0.0	17.1	0.0	263.8	62.8
2	1.01	2.6	1.0	1264.57	0.0	0.0	0.0	17.1	0.0	1252.3	297.9
3	1.01	3.2	1.0	1513.54	0.0	0.0	0.0	17.1	0.0	1495.9	355.9
4	1.01	3.8	1.0	1510.28	0.0	0.0	0.0	17.1	0.0	1490.0	354.5
5	1.01	4.4	1.0	1385.05	0.0	0.0	0.0	17.1	0.0	1364.1	324.6
6	1.01	5.0	1.0	1361.19	0.0	0.0	0.0	17.1	0.0	1338.5	318.5
7	3.02	6.2	3.0	3679.34	0.0	0.0	0.0	17.1	0.0	3607.7	858.3
8	7.04	9.2	7.1	6104.36	0.0	0.0	0.0	17.1	1133.8	4848.5	1153.5
9	1.02	11.6	1.0	1984.58	0.0	0.0	0.0	17.1	125.7	1809.3	430.5
10	2.0	12.5	2.0	3463.16	0.0	0.0	0.0	17.1	124.1	3248.7	772.9
11	2.01	13.8	2.1	4674.53	0.0	0.0	0.0	17.1	0.0	4547.7	1082.0
12	2.01	15.0	2.1	6812.42	0.0	0.0	0.0	17.1	0.0	6630.0	1577.4
13	2.01	16.2	2.1	5799.28	0.0	0.0	0.0	17.1	0.0	5648.8	1343.9
14	2.01	17.5	2.1	4424.14	0.0	0.0	0.0	17.1	0.0	4315.0	1026.6
15	1.02	18.4	1.1	1602.71	0.0	0.0	0.0	17.1	0.0	1565.2	372.4
16	0.99	19.0	1.0	1047.08	0.0	0.0	0.0	17.1	0.0	1023.6	243.5

17	1.01	19.7	1.1	782.53	0.0	0.0	0.0	17.1	0.0	765.9	182.2
18	1.01	20.3	1.1	715.73	0.0	0.0	0.0	17.1	0.0	701.4	166.9
19	1.01	20.9	1.1	522.93	0.0	0.0	0.0	17.1	0.0	513.2	122.1
20	5.22	22.9	5.7	4351.65	0.0	0.0	0.0	17.1	0.0	4292.9	1021.4

xc = 45.318 yc = 102.67 Rc = 91.563 Fs=1.262

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.48	11.0	0.5	149.08	0.0	0.0	0.0	17.1	0.0	145.0	35.3
2	0.32	11.3	0.3	262.46	0.0	0.0	0.0	17.1	0.0	255.2	62.1
3	0.65	11.6	0.7	711.75	0.0	0.0	0.0	17.1	0.0	692.0	168.4
4	0.36	11.9	0.4	441.22	0.0	0.0	0.0	17.1	0.0	428.9	104.4
5	0.61	12.2	0.6	757.07	0.0	0.0	0.0	17.1	0.0	735.8	179.1
6	0.4	12.5	0.4	490.15	0.0	0.0	0.0	17.1	0.0	476.4	115.9
7	0.56	12.9	0.6	754.2	0.0	0.0	0.0	17.1	0.0	732.9	178.3
8	0.44	13.2	0.5	686.19	0.0	0.0	0.0	17.1	0.0	666.8	162.2
9	0.52	13.5	0.5	842.48	0.0	0.0	0.0	17.1	0.0	818.6	199.2
10	0.48	13.8	0.5	731.62	0.0	0.0	0.0	17.1	0.0	710.9	173.0
11	0.48	14.1	0.5	660.04	0.0	0.0	0.0	17.1	0.0	641.3	156.1
12	0.48	14.4	0.5	548.39	0.0	0.0	0.0	17.1	0.0	532.9	129.7
13	0.48	14.7	0.5	483.0	0.0	0.0	0.0	17.1	0.0	469.4	114.2
14	0.56	15.1	0.6	558.66	0.0	0.0	0.0	17.1	0.0	543.0	132.1
15	0.4	15.4	0.4	391.5	0.0	0.0	0.0	17.1	0.0	380.6	92.6
16	0.6	15.7	0.6	556.81	0.0	0.0	0.0	17.1	0.0	541.4	131.7
17	0.36	16.0	0.4	294.78	0.0	0.0	0.0	17.1	0.0	286.7	69.8
18	0.48	16.3	0.5	298.82	0.0	0.0	0.0	17.1	0.0	290.7	70.7
19	0.43	16.6	0.4	173.5	0.0	0.0	0.0	17.1	0.0	168.8	41.1
20	0.54	16.9	0.6	82.87	0.0	0.0	0.0	17.1	0.0	80.7	19.6

xc = 30.279 yc = 107.445 Rc = 100.587 Fs=1.151

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.69	7.8	0.7	67.36	0.0	0.0	0.0	17.1	0.0	65.6	17.5
2	1.01	8.3	1.0	441.88	0.0	0.0	0.0	17.1	0.0	429.8	114.7
3	1.01	8.9	1.0	810.92	0.0	0.0	0.0	17.1	0.0	787.9	210.3
4	1.01	9.4	1.0	1169.86	0.0	0.0	0.0	17.1	0.0	1135.5	303.0
5	2.01	10.3	2.0	2142.65	0.0	0.0	0.0	17.1	0.0	2077.0	554.3

6	1.01	11.2	1.01	673.08	0.0	0.0	0.0	17.1	0.0	1620.0	432.3
7	1.01	11.8	1.02	427.96	0.0	0.0	0.0	17.1	0.0	2349.4	627.0
8	1.01	12.4	1.03	041.89	0.0	0.0	0.0	17.1	0.0	2942.0	785.1
9	1.01	13.0	1.03	058.64	0.0	0.0	0.0	17.1	0.0	2957.0	789.1
10	1.01	13.5	1.02	887.66	0.0	0.0	0.0	17.1	0.0	2790.9	744.8
11	1.01	14.1	1.02	640.42	0.0	0.0	0.0	17.1	0.0	2551.4	680.9
12	1.01	14.7	1.02	381.96	0.0	0.0	0.0	17.1	0.0	2301.4	614.2
13	3.02	15.9	3.15	073.11	0.0	0.0	0.0	17.1	0.0	4902.3	1308.2
14	3.02	17.7	3.23	303.35	0.0	0.0	0.0	17.1	0.0	3195.4	852.7
15	1.01	18.9	1.11	350.58	0.0	0.0	0.0	17.1	0.0	1308.1	349.1
16	1.21	19.6	1.32	203.13	0.0	0.0	0.0	17.1	0.0	2135.6	569.9
17	0.81	20.2	0.91	305.43	0.0	0.0	0.0	17.1	0.0	1266.6	338.0
18	1.01	20.7	1.11	576.76	0.0	0.0	0.0	17.1	0.0	1531.3	408.6
19	1.01	21.4	1.11	432.97	0.0	0.0	0.0	17.1	0.0	1393.2	371.8
20	2.43	22.4	2.6	939.03	0.0	0.0	0.0	17.1	0.0	915.1	244.2

xc = 42.31 yc = 107.445 Rc = 96.642 Fs=1.197

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	12.4	0.5	152.66	0.0	0.0	0.0	17.1	0.0	147.9	38.0
2	0.3	12.7	0.3	193.09	0.0	0.0	0.0	17.1	0.0	187.1	48.0
3	0.4	12.9	0.4	285.34	0.0	0.0	0.0	17.1	0.0	276.5	71.0
4	0.31	13.1	0.3	240.77	0.0	0.0	0.0	17.1	0.0	233.3	59.9
5	0.49	13.4	0.5	389.57	0.0	0.0	0.0	17.1	0.0	377.4	96.9
6	0.51	13.7	0.5	383.36	0.0	0.0	0.0	17.1	0.0	371.4	95.3
7	0.28	13.9	0.3	220.03	0.0	0.0	0.0	17.1	0.0	213.1	54.7
8	0.4	14.1	0.4	364.55	0.0	0.0	0.0	17.1	0.0	353.1	90.6
9	0.32	14.3	0.3	341.62	0.0	0.0	0.0	17.1	0.0	330.9	84.9
10	0.47	14.6	0.5	508.45	0.0	0.0	0.0	17.1	0.0	492.5	126.4
11	0.53	14.9	0.5	512.66	0.0	0.0	0.0	17.1	0.0	496.6	127.4
12	0.27	15.1	0.3	224.2	0.0	0.0	0.0	17.1	0.0	217.2	55.7
13	0.4	15.3	0.4	268.28	0.0	0.0	0.0	17.1	0.0	259.9	66.7
14	0.4	15.6	0.4	186.73	0.0	0.0	0.0	17.1	0.0	180.9	46.4
15	0.4	15.8	0.4	153.35	0.0	0.0	0.0	17.1	0.0	148.6	38.1
16	0.55	16.1	0.6	197.6	0.0	0.0	0.0	17.1	0.0	191.5	49.1
17	0.25	16.4	0.3	82.53	0.0	0.0	0.0	17.1	0.0	80.0	20.5
18	0.4	16.6	0.4	115.54	0.0	0.0	0.0	17.1	0.0	112.0	28.7
19	0.36	16.8	0.4	85.51	0.0	0.0	0.0	17.1	0.0	82.9	21.3
20	0.44	17.1	0.5	47.71	0.0	0.0	0.0	17.1	0.0	46.3	11.9

xc = 27.271 yc = 109.037 Rc = 101.805 Fs=1.18

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.3	13.2	0.3	51.68	0.0	0.0	0.0	17.1	0.0	50.0	13.0
2	0.3	13.4	0.3	154.63	0.0	0.0	0.0	17.1	0.0	149.7	38.9
3	0.37	13.6	0.4	333.38	0.0	0.0	0.0	17.1	0.0	322.7	84.0
4	0.23	13.7	0.2	252.41	0.0	0.0	0.0	17.1	0.0	244.3	63.6
5	0.3	13.9	0.3	328.88	0.0	0.0	0.0	17.1	0.0	318.3	82.8
6	0.3	14.1	0.3	325.52	0.0	0.0	0.0	17.1	0.0	315.0	82.0
7	0.18	14.2	0.2	191.39	0.0	0.0	0.0	17.1	0.0	185.2	48.2
8	0.42	14.4	0.4	449.12	0.0	0.0	0.0	17.1	0.0	434.7	113.1
9	0.3	14.6	0.3	315.4	0.0	0.0	0.0	17.1	0.0	305.2	79.4
10	0.28	14.7	0.3	295.67	0.0	0.0	0.0	17.1	0.0	286.1	74.4
11	0.32	14.9	0.3	305.67	0.0	0.0	0.0	17.1	0.0	295.8	77.0
12	0.3	15.1	0.3	253.49	0.0	0.0	0.0	17.1	0.0	245.3	63.8
13	0.39	15.3	0.4	275.04	0.0	0.0	0.0	17.1	0.0	266.2	69.3
14	0.21	15.5	0.2	125.91	0.0	0.0	0.0	17.1	0.0	121.9	31.7
15	0.3	15.6	0.3	166.86	0.0	0.0	0.0	17.1	0.0	161.5	42.0
16	0.3	15.8	0.3	149.82	0.0	0.0	0.0	17.1	0.0	145.0	37.7
17	0.2	15.9	0.2	89.15	0.0	0.0	0.0	17.1	0.0	86.3	22.5
18	0.4	16.1	0.4	139.33	0.0	0.0	0.0	17.1	0.0	134.9	35.1
19	0.3	16.3	0.3	58.85	0.0	0.0	0.0	17.1	0.0	57.0	14.8
20	0.3	16.5	0.3	19.76	0.0	0.0	0.0	17.1	0.0	19.1	5.0

xc = 33.287 yc = 112.22 Rc = 104.337 Fs=1.192

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.82	7.5	0.8	177.97	0.0	0.0	0.0	17.1	0.0	173.6	44.7
2	2.01	8.3	2.0	344.33	0.0	0.0	0.0	17.1	0.0	335.4	86.4
3	1.01	9.1	1.0	878.21	0.0	0.0	0.0	17.1	0.0	854.1	220.0
4	1.18	9.7	1.2	2123.97	0.0	0.0	0.0	17.1	0.0	2063.8	531.6
5	0.83	10.3	0.8	1987.19	0.0	0.0	0.0	17.1	0.0	1929.5	497.0
6	1.01	10.8	1.0	2479.77	0.0	0.0	0.0	17.1	0.0	2406.3	619.9
7	1.01	11.4	1.0	2383.12	0.0	0.0	0.0	17.1	0.0	2311.1	595.3
8	1.01	11.9	1.0	2211.43	0.0	0.0	0.0	17.1	0.0	2143.6	552.2
9	1.01	12.5	1.0	2029.77	0.0	0.0	0.0	17.1	0.0	1966.8	506.6
10	1.01	13.1	1.0	1800.8	0.0	0.0	0.0	17.1	0.0	1744.4	449.4
11	2.01	13.9	2.1	2534.12	0.0	0.0	0.0	17.1	0.0	2454.1	632.2
12	1.01	14.8	1.0	1042.58	0.0	0.0	0.0	17.1	0.0	1009.6	260.1
13	1.01	15.3	1.0	1153.41	0.0	0.0	0.0	17.1	0.0	1117.1	287.8

14	1.01	15.9	1.01141.72	0.0	0.0	0.0	17.1	0.0	1106.0	284.9
15	1.01	16.5	1.01575.08	0.0	0.0	0.0	17.1	0.0	1526.3	393.2
16	1.01	17.1	1.12155.49	0.0	0.0	0.0	17.1	0.0	2089.5	538.3
17	1.01	17.6	1.12063.73	0.0	0.0	0.0	17.1	0.0	2001.6	515.6
18	1.01	18.2	1.12072.07	0.0	0.0	0.0	17.1	0.0	2010.9	518.0
19	1.01	18.8	1.12022.12	0.0	0.0	0.0	17.1	0.0	1963.9	505.9
20	4.13	20.3	4.43992.43	0.0	0.0	0.0	17.1	0.0	3886.5	1001.2

xc = 36.295 yc = 113.812 Rc = 104.863 Fs=1.259

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.95	8.0	1.0	601.13	0.0	0.0	0.0	17.1	0.0	586.9	143.2
2	1.01	8.5	1.01342.69		0.0	0.0	0.0	17.1	0.0	1309.8	319.6
3	1.01	9.1	1.01490.47		0.0	0.0	0.0	17.1	0.0	1452.8	354.4
4	1.01	9.6	1.01452.07		0.0	0.0	0.0	17.1	0.0	1414.3	345.1
5	1.01	10.2	1.01339.06		0.0	0.0	0.0	17.1	0.0	1303.4	318.0
6	1.01	10.7	1.0	1216.5	0.0	0.0	0.0	17.1	0.0	1183.4	288.7
7	1.01	11.3	1.01047.09		0.0	0.0	0.0	17.1	0.0	1018.1	248.4
8	2.01	12.1	2.11207.21		0.0	0.0	0.0	17.1	0.0	1173.2	286.2
9	1.01	13.0	1.0	470.52	0.0	0.0	0.0	17.1	0.0	457.1	111.5
10	1.01	13.6	1.0	642.96	0.0	0.0	0.0	17.1	0.0	624.6	152.4
11	1.01	14.1	1.0	693.46	0.0	0.0	0.0	17.1	0.0	673.7	164.4
12	1.01	14.7	1.01189.62		0.0	0.0	0.0	17.1	0.0	1155.9	282.0
13	1.01	15.3	1.01833.45		0.0	0.0	0.0	17.1	0.0	1781.9	434.7
14	1.01	15.8	1.01805.76		0.0	0.0	0.0	17.1	0.0	1755.5	428.3
15	1.07	16.4	1.12005.26		0.0	0.0	0.0	17.1	0.0	1950.3	475.8
16	0.94	17.0	1.01769.17		0.0	0.0	0.0	17.1	0.0	1721.6	420.0
17	1.2	17.6	1.31667.02		0.0	0.0	0.0	17.1	0.0	1623.3	396.0
18	0.81	18.2	0.9	867.92	0.0	0.0	0.0	17.1	0.0	845.8	206.4
19	1.01	18.7	1.1	925.36	0.0	0.0	0.0	17.1	0.0	902.4	220.2
20	1.41	19.4	1.5	587.99	0.0	0.0	0.0	17.1	0.0	574.1	140.1

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All.2D- verifiche di stabilità in condizioni drenate e dinamiche allo stato di progetto

Analisi di stabilità dei pendii con : BISHOP (1955)

Zona	Mutigliano
Lat./Long.	43.882265/10.471627 °
Calcolo eseguito secondo	NTC 2018
Numero di strati	3.0
Numero dei conci	20.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	-81.0 m
Ordinata vertice sinistro inferiore yi	23.09 m
Ascissa vertice destro superiore xs	-81.0 m
Ordinata vertice destro superiore ys	118.59 m
Passo di ricerca	5.0
Numero di celle lungo x	30.0
Numero di celle lungo y	30.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:	2 - Opere ordinarie
Classe d'uso:	Classe III
Vita nominale:	50.0 [anni]
Vita di riferimento:	75.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:	B
Categoria topografica:	T1

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	45.0	0.51	2.538	0.25
S.L.D.	75.0	0.618	2.552	0.265
S.L.V.	712.0	1.491	2.384	0.294
S.L.C.	1462.0	1.883	2.383	0.304

Coefficienti sismici orizzontali e verticali

Opera: Stabilità dei pendii e Fondazioni

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]

S.L.O.	0.612	0.2	0.0125	0.0062
S.L.D.	0.7416	0.2	0.0151	0.0076
S.L.V.	1.7892	0.24	0.0438	0.0219
S.L.C.	2.2596	0.24	0.0553	0.0277

Coefficiente azione sismica orizzontale 0.044
Coefficiente azione sismica verticale 0.022

Vertici profilo

Nr	X (m)	y (m)
1	0.0	0.0
2	1.01	0.04
3	2.01	0.03
4	3.02	0.11
5	4.02	0.19
6	5.03	0.26
7	6.04	0.25
8	7.04	0.24
9	8.05	0.24
10	9.06	0.7
11	10.06	0.78
12	11.07	1.17
13	12.07	1.66
14	13.08	1.95
15	14.09	2.22
16	15.09	2.49
17	16.1	2.75
18	17.11	3.22
19	18.11	3.22
20	19.12	3.4
21	20.12	3.58
22	21.13	4.02
23	22.14	4.35
24	23.14	4.5
25	24.15	4.56
26	25.15	4.59
27	26.16	4.61
28	27.17	4.61
29	28.17	4.64
30	29.18	4.72
31	30.19	5.24
32	31.19	6.48
33	32.2	6.71
34	33.2	6.85
35	34.21	6.83
36	35.22	6.86
37	36.22	6.97
38	37.23	7.04
39	38.23	7.04
40	39.24	7.08
41	40.25	7.09

42	41.25	7.26
43	42.26	7.41
44	43.27	7.65
45	44.27	7.94
46	45.28	8.35
47	46.28	8.64
48	47.29	9.06
49	48.3	9.06
50	49.3	9.49
51	50.31	9.85
52	51.32	10.71
53	52.32	10.94
54	53.33	11.18
55	54.33	11.23
56	55.34	11.41
57	56.35	11.47
58	57.35	11.62
59	58.36	11.62
60	59.36	11.75
61	60.37	12.02
62	61.38	12.41
63	62.38	12.57
64	63.39	13.46
65	64.4	13.8
66	65.4	13.99
67	66.41	14.46
68	67.41	14.61
69	68.42	14.61
70	69.43	14.87
71	70.43	15.1
72	71.71	15.16
73	72.93	15.15
74	73.61	15.87
75	74.43	15.93
76	74.69	16.0
77	85.39	16.0
78	85.39	19.5
79	85.53	19.54
80	86.53	19.52
81	87.54	19.58
82	88.54	19.58
83	89.55	19.71
84	90.56	19.87
85	91.56	20.07
86	92.57	20.4
87	93.57	20.37
88	94.58	20.34
89	95.59	20.3
90	96.59	20.27
91	97.6	20.24
92	98.61	20.24
93	99.61	20.25

94	100.62	20.23
95	101.62	20.02
96	102.63	20.07
97	103.64	20.06
98	104.64	20.04
99	105.65	20.41
100	106.66	21.44
101	107.66	22.59
102	108.67	22.59
103	109.67	23.24
104	110.68	23.43
105	111.69	23.79
106	112.69	23.93
107	113.7	24.14

Falda

Nr.	X (m)	y (m)
1	0.44	-1.04
2	30.59	5.1
3	50.39	8.55
4	74.84	13.95
5	89.39	17.7
6	103.49	19.65
7	115.7	21.27

Vertici strato 1

N	X (m)	y (m)
1	0.0	-2.69
2	15.77	1.31
3	27.16	3.67
4	39.31	6.05
5	47.86	7.94
6	57.53	10.07
7	61.58	11.39
8	72.93	15.15
9	75.99	15.88
10	79.52	15.98
11	82.66	15.74
12	85.28	16.05
13	85.35	18.29
14	88.66	18.96
15	98.58	19.32
16	101.19	19.45
17	106.14	19.81
18	113.7	21.14

Vertici strato 2

N	X (m)	y (m)
1	0.0	-6.19
2	27.17	0.01
3	40.3	3.41

4	51.15	5.94
5	59.72	8.62
6	64.14	10.29
7	69.61	12.34
8	77.88	14.61
9	83.07	15.82
10	85.28	15.95
11	85.39	16.54
12	94.79	18.11
13	101.19	18.77
14	103.08	18.91
15	108.61	19.48
16	113.7	20.13

Coefficienti parziali azioni

==========

Sfavorevoli: Permanenti, variabili 1.0 1.0

Favorevoli: Permanenti, variabili 1.0 1.0

==========

Coefficienti parziali per i parametri geotecnici del terreno

==========

Tangente angolo di resistenza al taglio 1.25

Coesione efficace 1.25

Coesione non drenata 1.4

Riduzione parametri geotecnici terreno No

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Stratigrafia

Strato	Coesione (kg/cm²)	Coesione non drenata (kg/cm²)	Angolo resistenza al taglio (°)	Peso unità di volume (Kg/m³)	Peso unità di volume saturo (Kg/m³)	Litologia	
1	0		21	1850	1850	O	
2	0.15		24	1900	1900	A	
3	1.4		27	2300	2300	B	

Muri di sostegno - Caratteristiche geometriche

N°	x (m)	y (m)	Base mensola a valle (m)	Base mensola a monte (m)	Altezza muro (m)	Spessore testa (m)	Spessore base (m)	Peso specifico (Kg/m³)
1	85.39	16	2	1	3.5	0.3	0.3	2400

Carichi distribuiti

N°	xi (m)	yi (m)	xf (m)	yf (m)	Carico esterno (kg/cm²)
1	77	15.8	85	15.8	1

Risultati analisi pendio

==========

Fs minimo individuato 0.94

Ascissa centro superficie	39.31 m
Ordinata centro superficie	26.27 m
Raggio superficie	19.04 m

==========

xc = 18.253 yc = 24.682 Rc = 22.406 Fs=1.999

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	-6.8	1.0	346.91	15.26	7.63	0.0	21.0	0.0	357.5	68.7
2	0.33	-5.1	0.3	287.73	12.66	6.33	0.0	21.0	0.0	293.9	56.4
3	0.67	-3.8	0.7	917.22	40.36	20.18	0.0	21.0	0.0	931.1	178.8
4	0.65	-2.1	0.6	1110.69	48.87	24.44	0.0	21.0	82.3	1036.5	199.0
5	0.66	-0.4	0.7	1150.12	50.61	25.3	0.0	21.0	179.8	971.8	186.6
6	0.71	1.3	0.7	1381.66	60.79	30.4	0.0	21.0	290.8	1086.4	208.6
7	0.61	3.0	0.6	1295.48	57.0	28.5	0.0	21.0	315.4	971.7	186.6
8	0.4	4.3	0.4	884.97	38.94	19.47	0.0	21.0	235.0	642.6	123.4
9	1.01	6.1	1.0	2603.06	114.53	57.27	0.0	21.0	676.2	1898.9	364.6
10	0.57	8.1	0.6	1712.15	75.33	37.67	0.0	21.0	417.8	1272.6	244.4
11	0.43	9.4	0.4	1362.48	59.95	29.97	0.15	24.0	328.2	958.4	542.7
12	1.01	11.3	1.0	3195.45	140.6	70.3	0.15	24.0	774.8	2216.2	1263.6
13	0.54	13.3	0.6	1628.65	71.66	35.83	0.15	24.0	406.4	1100.0	659.1
14	0.47	14.6	0.5	1339.71	58.95	29.47	0.0	21.0	346.6	977.4	187.7
15	1.01	16.6	1.0	2543.64	111.92	55.96	0.0	21.0	691.9	1827.6	351.0
16	0.5	18.6	0.5	1062.9	46.77	23.38	0.0	21.0	296.3	759.8	145.9
17	0.51	20.0	0.5	917.59	40.37	20.19	0.0	21.0	264.3	649.8	124.8
18	0.81	21.8	0.9	1104.06	48.58	24.29	0.0	21.0	327.0	777.2	149.2
19	0.66	23.8	0.7	523.97	23.05	11.53	0.0	21.0	163.8	363.0	69.7
20	0.66	25.7	0.7	177.94	7.83	3.91	0.0	21.0	50.2	129.8	24.9

xc = 21.261 yc = 23.09 Rc = 20.905 Fs=2.695

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.89	-12.7	0.9	518.63	22.82	11.41	0.0	21.0	0.0	549.3	78.2
2	0.93	-10.2	0.9	1212.54	53.35	26.68	0.0	21.0	0.0	1264.2	180.0
3	1.08	-7.4	1.1	1896.96	83.47	41.73	0.0	21.0	323.9	1616.0	230.2
4	1.01	-4.5	1.0	2309.87	101.63	50.82	0.0	21.0	625.8	1708.5	243.3
5	1.01	-1.7	1.0	2995.08	131.78	65.89	0.15	24.0	884.8	2138.9	913.5
6	0.54	0.4	0.5	1936.13	85.19	42.59	0.15	24.0	565.4	1367.2	527.4
7	0.46	1.8	0.5	1795.26	78.99	39.5	0.15	24.0	530.0	1251.5	465.3
8	1.01	3.8	1.0	4110.86	180.88	90.44	0.15	24.0	1256.5	2793.0	1022.5
9	1.01	6.6	1.0	4142.91	182.29	91.14	0.15	24.0	1368.9	2676.7	1005.8
10	1.01	9.3	1.0	3968.82	174.63	87.31	0.15	24.0	1443.6	2400.6	964.0

11	1.01	12.1	1.03	661.05	161.09	80.54	0.15	24.0	1455.5	2059.5	913.0
12	0.97	14.9	1.0	3117.9	137.19	68.59	0.15	24.0	1368.6	1591.4	821.4
13	1.04	17.8	1.12	805.92	123.46	61.73	0.15	24.0	1375.0	1241.3	814.5
14	1.01	20.8	1.1	992.77	43.68	21.84	0.15	24.0	0.0	785.3	728.7
15	1.01	23.8	1.11	916.52	84.33	42.16	0.15	24.0	959.4	723.8	731.4
16	1.01	26.8	1.12	660.47	117.06	58.53	0.0	21.0	686.5	2063.3	293.9
17	0.49	29.1	0.61	541.92	67.84	33.92	0.0	21.0	203.3	1419.8	202.2
18	0.52	30.7	0.61	471.73	64.76	32.38	0.0	21.0	115.4	1454.6	207.2
19	1.01	33.2	1.22	211.92	97.32	48.66	0.0	21.0	0.0	2417.9	344.4
20	1.2	36.9	1.51	050.77	46.23	23.12	0.0	21.0	0.0	1187.1	169.1

xc = 24.268 yc = 24.682 Rc = 22.454 Fs=2.564

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.45	-15.2	1.5	697.78	30.7	15.35	0.0	21.0	0.0	753.6	112.8
2	1.01	-11.9	1.01	444.47	63.56	31.78	0.0	21.0	158.0	1358.0	203.3
3	1.01	-9.3	1.02	373.37	104.43	52.21	0.0	21.0	552.1	1892.3	283.4
4	1.01	-6.7	1.0	3361.6	147.91	73.96	0.15	24.0	898.9	2603.3	1045.0
5	1.01	-4.2	1.04	002.37	176.1	88.05	0.15	24.0	1199.4	2889.8	1092.2
6	1.01	-1.6	1.04	304.92	189.42	94.71	0.15	24.0	1454.2	2882.1	1089.5
7	1.01	1.0	1.04	409.47	194.02	97.01	0.15	24.0	1675.5	2716.2	1060.6
8	1.01	3.5	1.04	390.49	193.18	96.59	0.15	24.0	1839.4	2492.5	1022.8
9	0.73	5.8	0.73	100.23	136.41	68.21	0.15	24.0	1410.2	1626.8	710.9
10	1.28	8.4	1.35	200.72	228.83	114.42	0.15	24.0	2586.5	2467.8	1188.0
11	1.01	11.3	1.01	789.17	78.72	39.36	0.15	24.0	0.0	1647.2	886.5
12	1.01	14.0	1.03	954.14	173.98	86.99	0.15	24.0	2031.8	1754.3	911.3
13	1.01	16.6	1.15	077.44	223.41	111.7	0.15	24.0	1960.4	2918.3	1121.2
14	1.01	19.3	1.1	5832.8	256.64	128.32	0.15	24.0	1812.1	3809.9	1285.6
15	1.01	22.1	1.15	460.77	240.27	120.14	0.15	24.0	1609.7	3641.5	1267.7
16	1.01	24.9	1.14	747.69	208.9	104.45	0.15	24.0	1338.3	3199.4	1204.6
17	1.01	27.7	1.1	3816.7	167.93	83.97	0.15	24.0	1018.1	2576.8	1112.7
18	1.01	30.7	1.22	883.19	126.86	63.43	0.0	21.0	632.4	2403.4	359.9
19	0.91	33.6	1.11	745.89	76.82	38.41	0.0	21.0	176.5	1713.2	256.5
20	1.02	36.6	1.3	742.47	32.67	16.33	0.0	21.0	0.0	832.2	124.6

xc = 27.276 yc = 23.09 Rc = 20.886 Fs=2.68

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

-											
1	0.21	-20.3	0.2	21.86	0.96	0.48	0.0	21.0	0.0	24.6	3.5
2	1.01	-18.6	1.1	948.88	41.75	20.88	0.0	21.0	0.0	1051.6	150.6
3	1.01	-15.7	1.0	2242.41	98.67	49.33	0.0	21.0	297.8	2104.4	301.4
4	1.01	-12.8	1.0	3165.25	139.27	69.64	0.15	24.0	758.9	2701.8	1026.5
5	1.01	-10.0	1.0	3759.7	165.43	82.71	0.15	24.0	1167.2	2816.2	1039.8
6	1.01	-7.2	1.0	4145.37	182.4	91.2	0.15	24.0	1536.5	2759.7	1026.2
7	1.01	-4.4	1.0	4398.84	193.55	96.77	0.15	24.0	1843.8	2640.7	1003.7
8	2.01	-0.3	2.0	9105.35	400.64	200.32	0.15	24.0	4437.2	4678.2	1903.7
9	1.01	3.8	1.0	2164.12	95.22	47.61	0.15	24.0	0.0	2107.5	914.6
10	1.01	6.6	1.0	5000.9	220.04	110.02	0.15	24.0	2582.7	2323.8	953.1
11	1.01	9.4	1.0	6379.15	280.68	140.34	0.15	24.0	2645.5	3591.1	1167.5
12	1.01	12.2	1.0	7390.95	325.2	162.6	0.15	24.0	2632.2	4579.5	1337.1
13	1.01	15.1	1.0	7278.65	320.26	160.13	0.15	24.0	2566.5	4520.7	1334.3
14	1.01	17.9	1.1	6830.72	300.55	150.28	0.15	24.0	2434.7	4203.0	1290.3
15	1.01	20.9	1.1	6172.72	271.6	135.8	0.15	24.0	2258.2	3723.7	1221.4
16	1.01	23.9	1.1	5521.97	242.97	121.48	0.15	24.0	2021.8	3311.5	1166.0
17	1.01	26.9	1.1	4787.21	210.64	105.32	0.15	24.0	1721.6	2874.9	1109.3
18	2.01	31.7	2.4	6499.69	285.99	142.99	0.15	24.0	2268.4	3768.8	1950.2
19	0.53	35.8	0.7	907.44	39.93	19.96	0.0	21.0	261.2	722.5	103.5
20	1.04	38.6	1.3	661.53	29.11	14.55	0.0	21.0	39.3	714.3	102.3

xc = 30.284 yc = 24.682 Rc = 22.502 Fs=2.717

-											
Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
-											
1	0.87	-22.4	0.9	525.16	23.11	11.55	0.0	21.0	0.0	603.3	85.2
2	1.01	-19.9	1.1	1687.8	74.26	37.13	0.0	21.0	0.0	1891.1	267.2
3	1.01	-17.2	1.1	2510.28	110.45	55.23	0.0	21.0	503.3	2196.4	310.3
4	1.01	-14.5	1.0	3137.73	138.06	69.03	0.15	24.0	1006.2	2454.0	975.9
5	1.01	-11.9	1.0	3645.19	160.39	80.19	0.15	24.0	1447.2	2449.7	969.1
6	2.01	-8.0	2.0	8367.52	368.17	184.09	0.15	24.0	4048.8	4624.0	1879.6
7	1.01	-4.1	1.0	2176.02	95.74	47.87	0.15	24.0	0.0	2247.9	925.3
8	1.01	-1.5	1.0	5296.63	233.05	116.53	0.15	24.0	2738.4	2585.4	979.4
9	1.01	1.0	1.0	6953.94	305.97	152.99	0.15	24.0	2948.0	3984.8	1208.6
10	1.01	3.6	1.0	8255.28	363.23	181.62	0.15	24.0	3087.1	5091.0	1390.9
11	1.01	6.2	1.0	8445.28	371.59	185.8	0.15	24.0	3180.5	5143.9	1401.7
12	1.01	8.8	1.0	8315.06	365.86	182.93	0.15	24.0	3215.9	4947.9	1372.9
13	1.01	11.4	1.0	7993.35	351.71	175.85	0.15	24.0	3216.4	4606.9	1321.6
14	1.01	14.0	1.0	7701.24	338.85	169.43	0.15	24.0	3168.8	4350.8	1285.4
15	1.01	16.6	1.1	7352.21	323.5	161.75	0.15	24.0	3071.6	4093.9	1250.7
16	2.01	20.7	2.2	12915.26	568.27	284.14	0.15	24.0	5645.0	6896.2	2317.9
17	1.01	24.9	1.1	5345.29	235.19	117.6	0.15	24.0	2448.7	2703.5	1055.3
18	1.01	27.7	1.1	4573.67	201.24	100.62	0.15	24.0	2116.5	2252.1	996.6

19	1.01	30.7	1.2	3808.19	167.56	83.78	0.15	24.0	1730.9	1852.1	949.3
20	3.71	38.2	4.7	6644.37	292.35	146.18	0.15	24.0	1961.8	3460.5	3174.7

xc = 33.291 yc = 23.09 Rc = 20.934 Fs=4.943

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.54	-26.7	0.6	152.34	6.7	3.35	0.0	21.0	0.0	177.5	13.8
2	1.01	-24.4	1.1	1029.65	45.3	22.65	0.0	21.0	0.0	1171.7	91.0
3	1.01	-21.4	1.1	1866.61	82.13	41.07	0.0	21.0	504.7	1508.6	117.2
4	2.01	-17.0	2.1	5787.19	254.64	127.32	0.15	24.0	2690.8	3531.6	956.8
5	1.01	-12.7	1.0	1783.52	78.47	39.24	0.15	24.0	0.0	1938.8	487.7
6	1.01	-9.9	1.0	4758.94	209.39	104.7	0.15	24.0	2455.4	2431.2	529.0
7	1.01	-7.1	1.0	6696.52	294.65	147.32	0.15	24.0	2812.6	3998.1	667.9
8	1.01	-4.4	1.0	8269.53	363.86	181.93	0.15	24.0	3094.6	5249.7	779.1
9	1.01	-1.6	1.0	8724.44	383.88	191.94	0.15	24.0	3327.5	5421.5	793.8
10	1.01	1.1	1.0	8854.09	389.58	194.79	0.15	24.0	3499.6	5339.9	786.4
11	1.01	3.9	1.0	8788.82	386.71	193.35	0.15	24.0	3635.0	5113.5	766.7
12	1.01	6.7	1.0	8751.33	385.06	192.53	0.15	24.0	3721.4	4975.8	755.6
13	3.02	12.3	3.1	25222.8	1109.8	554.9	1.4	27.0	0.0	23384.1	11160.6
14	2.25	19.8	2.4	15847.61	697.29	348.65	1.4	27.0	0.0	13892.0	8200.4
15	0.77	24.2	0.8	4883.39	214.87	107.43	0.15	24.0	2365.6	2542.4	485.2
16	1.01	26.9	1.1	5909.68	260.03	130.01	0.15	24.0	2819.9	3147.3	625.9
17	1.01	30.0	1.2	5371.17	236.33	118.17	0.15	24.0	2438.9	3025.7	625.3
18	1.01	33.3	1.2	4848.11	213.32	106.66	0.15	24.0	1994.8	2996.3	635.2
19	1.01	36.6	1.3	4166.49	183.33	91.66	0.15	24.0	1467.2	2887.7	640.7
20	2.87	43.8	4.0	6049.88	266.19	133.1	0.0	21.0	462.6	7205.6	559.6

xc = 36.299 yc = 24.682 Rc = 22.55 Fs=6.147

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.13	-26.9	0.1	8.69	0.38	0.19	0.0	21.0	0.0	10.1	0.6
2	2.01	-23.9	2.2	2032.51	89.43	44.72	0.0	21.0	693.8	1506.2	94.1
3	1.01	-19.8	1.1	1069.2	47.04	23.52	0.15	24.0	0.0	1262.7	352.4
4	1.01	-17.1	1.1	3505.75	154.25	77.13	0.15	24.0	1795.8	1910.1	395.2
5	1.01	-14.4	1.0	5696.62	250.65	125.33	0.15	24.0	2286.3	3654.3	518.2
6	1.01	-11.8	1.0	7523.08	331.02	165.51	0.15	24.0	2701.7	5053.9	616.9
7	1.01	-9.2	1.0	8233.23	362.26	181.13	0.15	24.0	3068.9	5334.1	635.1

8	1.01	-6.6	1.08	621.46	379.34	189.67	0.15	24.0	337.25	352.8	634.9
9	1.01	-4.0	1.08	819.72	388.07	194.03	0.15	24.0	365	1.35	225.3	624.6
10	1.01	-1.5	1.09	085.21	399.75	199.87	1.4	27.0	0.09	166.7	3052.3
11	3.02	3.7	3.02	8377.83	1248.62	624.31	1.4	27.0	0.02	7848.6	9197.6
12	4.02	12.7	4.13	6374.17	1600.46	800.23	1.4	27.0	0.03	4519.9	12260.0
13	1.21	19.6	1.31	0408.62	457.98	228.99	1.4	27.0	0.09	721.0	3728.6
14	0.8	22.4	0.96	830.16	300.53	150.26	1.4	27.0	0.06	354.6	2506.1
15	1.01	24.9	1.18	305.69	365.45	182.73	1.4	27.0	0.07	688.3	3163.4
16	1.01	27.7	1.17	921.84	348.56	174.28	1.4	27.0	0.07	271.8	3191.8
17	2.01	32.2	2.41	3172.77	579.6	289.8	0.15	24.0	523	2.78	624.1	1205.0
18	1.01	36.8	1.35	757.72	253.34	126.67	0.15	24.0	183	7.74	426.9	627.4
19	1.01	40.1	1.35	378.14	236.64	118.32	0.15	24.0	122	6.54	859.8	672.9
20	3.09	47.6	4.69	672.19	425.58	212.79	0.0	21.0	0.01	3423.0	838.3

xc = 39.307 yc = 23.09 Rc = 20.971 Fs=6.772

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.0	-27.3	1.1	972.63	42.8	21.4	0.0	21.0	465.7	587.8	33.3
2	1.01	-24.3	1.13	536.35	155.6	77.8	0.15	24.01	149.3	2812.2	429.4
3	1.01	-21.3	1.15	722.92	251.81	125.9	0.15	24.01	754.3	4467.0	532.9
4	1.01	-18.4	1.16	770.54	297.9	148.95	0.15	24.02	299.1	4896.3	556.7
5	1.01	-15.5	1.07	477.43	329.01	164.5	0.15	24.02	775.0	5035.5	562.3
6	1.01	-12.7	1.07	978.76	351.07	175.53	0.15	24.03	208.7	5014.2	558.1
7	1.01	-9.9	1.0	8501.6	374.07	187.04	0.15	24.03	590.0	5082.4	560.4
8	3.02	-4.3	3.02	8376.93	1248.59	624.29	1.4	27.0	0.02	9095.6	8447.4
9	3.02	4.0	3.03	0221.15	1329.73	664.87	1.4	27.0	0.02	9706.0	8490.5
10	1.01	9.5	1.01	0397.75	457.5	228.75	1.4	27.0	0.01	0063.0	2866.1
11	1.11	12.4	1.11	1682.38	514.02	257.01	1.4	27.0	0.01	1256.4	3204.3
12	0.9	15.3	0.99	604.42	422.59	211.3	1.4	27.0	0.09	240.2	2621.5
13	1.01	18.0	1.11	0804.18	475.38	237.69	1.4	27.0	0.01	0395.4	2969.2
14	1.01	20.9	1.11	0748.9	472.95	236.48	1.4	27.0	0.01	0358.1	3006.1
15	2.01	25.4	2.21	9611.57	862.91	431.45	1.4	27.0	0.01	8850.6	6024.7
16	1.01	30.1	1.29	265.19	407.67	203.83	1.4	27.0	0.08	925.3	3074.8
17	1.01	33.3	1.29	070.71	399.11	199.56	1.4	27.0	0.08	783.4	3149.3
18	1.01	36.6	1.38	628.31	379.65	189.82	0.15	24.02	625.2	6936.2	733.8
19	1.01	40.2	1.37	553.33	332.35	166.17	0.15	24.02	039.2	6602.6	725.7
20	3.48	49.3	5.31	3613.72	599.0	299.5	0.15	24.01	137.3	16488.6	2266.6

xc = 42.314 yc = 24.682 Rc = 17.444 Fs=0.957

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.6	-2.4	0.6	67.04	2.95	1.47	0.0	21.0	0.0	68.2	27.4
2	0.36	-0.8	0.4	97.26	4.28	2.14	0.0	21.0	0.0	97.8	39.2
3	1.01	1.5	1.0	536.16	23.59	11.8	0.0	21.0	0.0	530.9	213.0
4	0.44	3.9	0.4	358.42	15.77	7.89	0.0	21.0	29.2	321.3	128.9
5	0.56	5.5	0.6	565.31	24.87	12.44	0.0	21.0	67.8	481.2	193.0
6	0.64	7.5	0.6	815.23	35.87	17.94	0.0	21.0	102.0	683.3	274.1
7	0.36	9.2	0.4	548.55	24.14	12.07	0.0	21.0	61.1	463.7	186.0
8	1.01	11.5	1.0	1695.45	74.6	37.3	0.0	21.0	163.8	1445.2	579.7
9	0.44	13.9	0.5	803.88	35.37	17.69	0.0	21.0	52.6	704.1	282.4
10	0.57	15.6	0.6	1110.76	48.87	24.44	0.0	21.0	46.4	993.8	398.6
11	0.64	17.7	0.7	1187.66	52.26	26.13	0.0	21.0	5.8	1099.8	441.2
12	0.6	19.8	0.6	880.47	38.74	19.37	0.0	21.0	0.0	817.7	328.0
13	0.77	22.3	0.8	1122.52	49.39	24.7	0.0	21.0	0.0	1041.8	417.9
14	0.44	24.4	0.5	629.6	27.7	13.85	0.0	21.0	0.0	584.9	234.6
15	0.57	26.2	0.6	749.36	32.97	16.49	0.0	21.0	0.0	697.5	279.8
16	0.64	28.5	0.7	922.74	40.6	20.3	0.0	21.0	0.0	862.1	345.9
17	0.37	30.4	0.4	625.09	27.5	13.75	0.0	21.0	0.0	586.6	235.3
18	1.01	33.0	1.2	1437.99	63.27	31.64	0.0	21.0	0.0	1360.4	545.7
19	0.44	35.9	0.5	360.64	15.87	7.93	0.0	21.0	0.0	345.0	138.4
20	0.6	38.0	0.8	196.84	8.66	4.33	0.0	21.0	0.0	190.2	76.3

xc = 45.322 yc = 23.09 Rc = 15.853 Fs=2.24

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.71	-8.8	0.7	190.06	8.36	4.18	0.0	21.0	0.0	197.5	33.8
2	0.64	-6.3	0.6	487.0	21.43	10.71	0.0	21.0	21.8	477.0	81.7
3	0.37	-4.5	0.4	407.71	17.94	8.97	0.0	21.0	60.2	353.3	60.5
4	1.01	-2.0	1.0	1674.7	73.69	36.84	0.15	24.0	324.5	1383.7	949.2
5	0.66	1.0	0.7	1477.29	65.0	32.5	0.15	24.0	311.4	1154.0	670.8
6	0.35	2.9	0.3	861.96	37.93	18.96	0.15	24.0	191.2	653.5	362.6
7	1.01	5.3	1.0	2897.64	127.5	63.75	0.15	24.0	625.6	2178.8	1109.7
8	0.68	8.4	0.7	2090.04	91.96	45.98	0.15	24.0	449.6	1545.4	765.6
9	0.68	10.9	0.7	1951.51	85.87	42.93	0.15	24.0	452.5	1385.1	736.8
10	0.66	13.3	0.7	2071.19	91.13	45.57	0.15	24.0	424.4	1513.8	753.8
11	1.01	16.4	1.0	3349.72	147.39	73.69	0.15	24.0	570.3	2541.6	1207.7
12	0.37	19.0	0.4	1297.3	57.08	28.54	0.15	24.0	170.9	1031.3	464.4
13	0.64	21.0	0.7	2556.9	112.5	56.25	0.15	24.0	250.2	2132.0	882.7
14	1.01	24.2	1.1	4098.1	180.32	90.16	0.15	24.0	240.8	3577.4	1449.8
15	0.38	27.0	0.4	1440.1	63.36	31.68	0.15	24.0	23.6	1309.9	549.3

16	0.62	29.0	0.7	2158.78	94.99	47.49	0.0	21.0	0.0	2254.8	386.4
17	1.01	32.5	1.2	2777.0	122.19	61.09	0.0	21.0	0.0	2968.3	508.7
18	0.4	35.5	0.5	802.99	35.33	17.67	0.0	21.0	0.0	879.2	150.7
19	0.6	37.8	0.8	885.57	38.97	19.48	0.0	21.0	0.0	989.4	169.5
20	0.75	41.0	1.0	435.77	19.17	9.59	0.0	21.0	0.0	502.5	86.1

xc = 48.33 yc = 24.682 Rc = 17.349 Fs=2.347

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.24	-13.9	0.2	28.02	1.23	0.62	0.0	21.0	0.0	30.1	4.9
2	1.01	-11.8	1.0	828.62	36.46	18.23	0.0	21.0	0.0	876.6	143.4
3	1.01	-8.5	1.0	1814.93	79.86	39.93	0.0	21.0	228.4	1643.9	268.8
4	1.01	-5.1	1.0	2713.34	119.39	59.69	0.15	24.0	528.6	2289.9	1079.9
5	0.77	-2.2	0.8	2450.63	107.83	53.91	0.15	24.0	563.8	1920.6	853.7
6	0.8	0.4	0.8	2702.54	118.91	59.46	0.15	24.0	707.4	1988.6	891.1
7	0.44	2.5	0.4	1696.27	74.64	37.32	0.15	24.0	430.0	1244.9	519.4
8	1.01	4.9	1.0	4284.26	188.51	94.25	0.15	24.0	1062.2	3128.0	1238.6
9	1.01	8.2	1.0	5209.9	229.24	114.62	0.15	24.0	1137.9	3913.0	1391.9
10	1.01	11.6	1.0	5899.39	259.57	129.79	0.15	24.0	1188.9	4498.8	1509.7
11	0.56	14.3	0.6	3281.75	144.4	72.2	0.15	24.0	653.8	2497.4	842.5
12	0.45	16.0	0.5	2607.4	114.73	57.36	0.15	24.0	514.7	1984.0	673.3
13	1.01	18.5	1.1	5595.1	246.18	123.09	0.15	24.0	1088.5	4255.3	1485.1
14	1.01	22.0	1.1	5110.39	224.86	112.43	0.15	24.0	942.7	3914.8	1436.2
15	1.01	25.7	1.1	4494.71	197.77	98.88	0.15	24.0	711.1	3533.0	1383.5
16	0.56	28.6	0.6	2137.52	94.05	47.03	0.15	24.0	269.8	1728.0	731.9
17	0.45	30.5	0.5	1555.67	68.45	34.22	0.15	24.0	139.0	1301.8	581.1
18	1.16	33.6	1.4	2974.8	130.89	65.45	0.0	21.0	0.0	3222.4	527.0
19	0.8	37.6	1.0	1128.42	49.65	24.83	0.0	21.0	0.0	1265.0	206.9
20	0.8	41.0	1.1	376.42	16.56	8.28	0.0	21.0	0.0	436.9	71.4

xc = 51.337 yc = 23.09 Rc = 15.853 Fs=2.495

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.88	-20.3	0.9	480.05	21.12	10.56	0.0	21.0	0.0	542.6	83.5
2	1.01	-16.7	1.1	1762.46	77.55	38.77	0.0	21.0	22.8	1904.0	292.9
3	0.92	-13.1	0.9	2424.29	106.67	53.33	0.15	24.0	411.3	2294.0	978.7
4	1.09	-9.4	1.1	3685.78	162.17	81.09	0.15	24.0	885.0	3037.6	1205.9

5	1.01	-5.5	1.04445.57	195.6	97.8	0.15	24.0	1147.1	3432.5		1220.1
6	1.01	-1.9	1.0 5717.3	251.56	125.78	0.15	24.0	1405.0	4360.6		1383.2
7	1.01	1.7	1.06745.66	296.81	148.4	0.15	24.0	1634.3	5067.9		1509.4
8	1.01	5.4	1.07074.55	311.28	155.64	0.15	24.0	1787.2	5166.6		1529.4
9	0.5	8.1	0.53541.58	155.83	77.91	0.15	24.0	922.9	2537.5		755.0
10	0.51	10.0	0.53566.57	156.93	78.46	0.15	24.0	962.6	2510.7		758.3
11	1.01	12.8	1.06966.87	306.54	153.27	0.15	24.0	1919.8	4838.9		1483.5
12	1.01	16.5	1.0 6699.2	294.76	147.38	0.15	24.0	1871.4	4604.9		1452.5
13	1.01	20.4	1.16264.86	275.65	137.83	0.15	24.0	1761.9	4280.2		1408.8
14	1.15	24.6	1.36361.47	279.9	139.95	0.15	24.0	1775.3	4341.2		1534.7
15	0.86	28.6	1.04079.04	179.48	89.74	0.15	24.0	1092.6	2806.7		1091.6
16	1.01	32.6	1.24072.54	179.19	89.6	0.15	24.0	922.6	2943.8		1243.1
17	1.01	37.0	1.33367.88	148.19	74.09	0.15	24.0	435.7	2733.4		1245.2
18	1.01	41.7	1.32319.98	102.08	51.04	0.15	24.0	0.0	2058.3		1177.7
19	0.8	46.2	1.21182.69	52.04	26.02	0.0	21.0	0.0	1473.5		226.7
20	0.94	51.0	1.5 774.47	34.08	17.04	0.0	21.0	0.0	1034.5		159.1

xc = 54.345 yc = 24.682 Rc = 22.563 Fs=6.002

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.04	-37.1	1.3 935.78	41.17	20.59	0.0	21.0	186.7	987.3		63.1
2	1.01	-33.9	1.22599.31	114.37	57.18	0.15	24.0	1094.6	2123.2		460.6
3	1.01	-30.9	1.24194.17	184.54	92.27	0.15	24.0	1917.0	2960.5		512.7
4	1.01	-28.0	1.15783.32	254.47	127.23	0.15	24.0	2655.8	3843.3		569.8
5	1.01	-25.1	1.17488.28	329.48	164.74	1.4	27.0	0.0	9876.7		3430.3
6	1.01	-22.3	1.19267.83	407.78	203.89	1.4	27.0	0.0	11458.2		3509.7
7	3.02	-16.9	3.236566.36	1608.92	804.46	1.4	27.0	0.0	41533.2		10885.6
8	5.03	-6.5	5.189199.18	3924.76	1962.38	1.4	27.0	0.0	91996.3		19620.2
9	2.01	2.5	2.039376.65	1732.57	866.29	1.4	27.0	0.0	39061.0		8014.6
10	1.35	6.8	1.426619.76	1171.27	585.63	1.4	27.0	0.0	26166.0		5383.3
11	1.67	10.7	1.732758.67	1441.38	720.69	1.4	27.0	0.0	32073.7		6693.2
12	1.01	14.2	1.019670.62	865.51	432.75	1.4	27.0	0.0	19263.9		4056.1
13	1.01	16.8	1.119808.84	871.59	435.79	1.4	27.0	0.0	19453.8		4103.5
14	1.01	19.5	1.119726.39	867.96	433.98	1.4	27.0	0.0	19460.6		4142.1
15	1.01	22.3	1.119985.53	879.36	439.68	1.4	27.0	0.0	19866.0		4222.3
16	1.01	25.0	1.120281.04	892.37	446.18	1.4	27.0	0.0	20367.2		4319.6
17	1.01	27.9	1.119784.19	870.5	435.25	1.4	27.0	0.0	20077.4		4360.1
18	1.01	30.8	1.219257.46	847.33	423.66	1.4	27.0	0.0	19792.5		4413.5
19	1.01	33.9	1.218529.25	815.29	407.64	1.4	27.0	0.0	19316.6		4466.1
20	7.75	51.4	12.488044.39	3873.95	1936.98	1.4	27.0	0.0	94716.4		37020.2

xc = 57.353 yc = 23.09 Rc = 15.767 Fs=7.89

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.96	-28.5	1.1	790.59	34.79	17.39	0.0	21.0	0.0	924.2	45.0
2	1.01	-24.5	1.12	861.24	125.89	62.95	0.0	21.0	0.0	3216.4	156.5
3	1.01	-20.6	1.14	677.13	205.79	102.9	0.15	24.0	545.6	4586.4	463.1
4	1.01	-16.7	1.15	773.81	254.05	127.02	0.15	24.0	1102.6	5021.9	483.1
5	1.01	-12.9	1.06	563.12	288.78	144.39	0.15	24.0	1598.0	5206.4	490.1
6	1.01	-9.2	1.07	163.79	315.21	157.6	0.15	24.0	2023.5	5286.7	492.1
7	1.01	-5.5	1.07	651.45	336.66	168.33	1.4	27.0	0.0	7908.6	2304.5
8	1.01	-1.8	1.08	133.64	357.88	178.94	1.4	27.0	0.0	8211.9	2316.7
9	2.01	3.7	2.01	6856.72	741.7	370.85	1.4	27.0	0.0	16593.4	4649.9
10	1.01	9.2	1.08	746.97	384.87	192.43	1.4	27.0	0.0	8479.6	2356.3
11	1.01	12.9	1.09	076.34	399.36	199.68	1.4	27.0	0.0	8762.1	2397.7
12	1.01	16.7	1.19	142.81	402.28	201.14	1.4	27.0	0.0	8815.4	2433.4
13	1.01	20.6	1.19	563.24	420.78	210.39	1.4	27.0	0.0	9270.0	2516.7
14	1.0	24.5	1.19	796.88	431.06	215.53	1.4	27.0	0.0	9595.6	2571.0
15	1.01	28.6	1.19	353.18	411.54	205.77	1.4	27.0	0.0	9220.1	2629.3
16	1.01	32.9	1.28	752.28	385.1	192.55	1.4	27.0	0.0	8684.7	2686.8
17	1.01	37.4	1.3	7862.4	345.95	172.97	1.4	27.0	0.0	7792.4	2749.4
18	1.38	43.1	1.98	072.61	355.2	177.6	1.4	27.0	0.0	7457.3	3845.6
19	0.63	48.3	0.92	600.89	114.44	57.22	0.15	24.0	60.2	3400.3	371.3
20	1.53	54.8	2.73	162.67	139.16	69.58	0.15	24.0	0.0	4417.7	755.2

xc = 60.36 yc = 24.682 Rc = 22.234 Fs=5.195

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.01	-41.0	1.31	119.39	49.25	24.63	0.0	21.0	0.0	1585.1	117.1
2	1.01	-37.6	1.33	344.71	147.17	73.58	0.15	24.0	860.9	3661.7	680.7
3	2.01	-32.9	2.41	1581.72	509.6	254.8	0.15	24.0	4395.3	9537.4	1509.5
4	1.01	-28.3	1.18	857.23	389.72	194.86	1.4	27.0	0.0	12381.9	4295.4
5	1.01	-25.4	1.11	1279.1	496.28	248.14	1.4	27.0	0.0	14599.9	4434.6
6	1.01	-22.6	1.11	3458.0	592.15	296.08	1.4	27.0	0.0	16472.6	4552.7
7	1.01	-19.8	1.11	4936.37	657.2	328.6	1.4	27.0	0.0	17535.1	4602.0
8	1.01	-17.1	1.11	6120.67	709.31	354.65	1.4	27.0	0.0	18287.7	4630.3
9	1.01	-14.4	1.01	7128.25	753.64	376.82	1.4	27.0	0.0	18876.0	4650.6
10	1.01	-11.7	1.01	8029.19	793.28	396.64	1.4	27.0	0.0	19382.8	4670.3
11	3.02	-6.5	3.05	8160.73	2559.07	1279.54	1.4	27.0	0.0	36136.0	14085.0
12	8.05	8.0	8.11	88347.9	8287.31	4143.66	1.4	27.0	0.0	184584.9	40007.3

13	0.97	19.8	1.02	3001.69	1012.07	506.04	1.4	27.0	0.02	2648.8	4998.6
14	1.04	22.6	1.12	4224.3	1065.87	532.93	1.4	27.0	0.02	3993.0	5397.6
15	1.01	25.5	1.12	2938.2	1009.28	504.64	1.4	27.0	0.02	2909.3	5251.1
16	1.27	28.8	1.52	7821.62	1224.15	612.08	1.4	27.0	0.02	8084.1	6668.4
17	1.22	32.5	1.42	4868.54	1094.22	547.11	1.4	27.0	0.02	5419.5	6396.5
18	0.68	35.5	0.81	3431.76	591.0	295.5	1.4	27.0	0.01	3912.4	3624.9
19	0.82	37.9	1.01	5674.13	689.66	344.83	1.4	27.0	0.01	6438.6	4401.6
20	6.4	53.1	10.71	11879.7	4922.71	2461.35	1.4	27.0	0.01	30990.0	41594.6

xc = 63.368 yc = 23.09 Rc = 10.734 Fs=2.557

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.61	-6.9	0.6	100.33	4.41	2.21	0.0	21.0	0.0	102.9	15.5
2	0.27	-4.5	0.3	150.11	6.61	3.3	0.0	21.0	0.0	152.4	22.9
3	0.44	-2.6	0.4	515.98	22.7	11.35	0.0	21.0	0.0	520.1	78.1
4	0.3	-0.7	0.3	536.29	23.6	11.8	0.0	21.0	0.0	537.3	80.7
5	0.58	1.7	0.6	1283.1	56.46	28.23	0.0	21.0	0.0	1278.1	191.9
6	0.43	4.4	0.4	1061.34	46.7	23.35	0.0	21.0	0.0	1052.4	158.0
7	0.45	6.7	0.5	1175.56	51.72	25.86	0.0	21.0	0.0	1163.1	174.6
8	0.56	9.4	0.6	1483.43	65.27	32.64	0.15	24.0	0.0	1408.1	576.4
9	0.32	11.8	0.3	879.83	38.71	19.36	0.15	24.0	0.0	828.7	336.0
10	0.44	13.9	0.5	1280.28	56.33	28.17	0.15	24.0	0.0	1201.6	474.2
11	0.25	15.8	0.3	756.23	33.27	16.64	0.15	24.0	0.0	708.3	274.5
12	0.63	18.2	0.7	1884.59	82.92	41.46	0.15	24.0	0.0	1755.6	694.1
13	0.38	21.1	0.4	1057.68	46.54	23.27	0.15	24.0	0.0	976.6	407.3
14	0.5	23.6	0.5	1258.65	55.38	27.69	0.15	24.0	0.0	1146.6	519.4
15	0.44	26.4	0.5	926.37	40.76	20.38	0.15	24.0	0.0	820.8	430.0
16	0.44	29.0	0.5	769.8	33.87	16.94	0.15	24.0	0.0	654.0	408.0
17	0.64	32.3	0.8	906.05	39.87	19.93	0.0	21.0	0.0	979.4	147.0
18	0.24	35.1	0.3	261.27	11.5	5.75	0.0	21.0	0.0	289.0	43.4
19	0.44	37.4	0.6	337.07	14.83	7.42	0.0	21.0	0.0	380.6	57.1
20	0.44	40.4	0.6	131.53	5.79	2.89	0.0	21.0	0.0	153.2	23.0

xc = 66.376 yc = 24.682 Rc = 11.466 Fs=4.539

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.46	-12.6	0.5	110.02	4.84	2.42	0.0	21.0	0.0	114.9	9.7

2	0.3	-10.7	0.3	185.16	8.15	4.07	0.0	21.0	0.0	191.5	16.2
3	0.61	-8.4	0.6	590.74	25.99	13.0	0.0	21.0	0.0	604.7	51.1
4	0.39	-5.9	0.4	493.08	21.7	10.85	0.0	21.0	0.0	500.0	42.3
5	0.52	-3.6	0.5	838.95	36.91	18.46	0.0	21.0	0.0	845.0	71.5
6	0.49	-1.1	0.5	1018.84	44.83	22.41	0.0	21.0	0.0	1020.6	86.3
7	0.42	1.2	0.4	999.64	43.98	21.99	0.0	21.0	0.0	998.1	84.4
8	0.58	3.7	0.6	1430.01	62.92	31.46	0.0	21.0	0.0	1425.2	120.5
9	0.33	6.0	0.3	813.23	35.78	17.89	0.15	24.0	0.0	797.9	187.7
10	0.46	8.0	0.5	1086.66	47.81	23.91	0.15	24.0	0.0	1061.3	256.2
11	0.46	10.3	0.5	1028.0	45.23	22.62	0.15	24.0	0.0	999.2	251.1
12	0.46	12.6	0.5	1051.05	46.25	23.12	0.15	24.0	0.0	1020.1	254.4
13	0.32	14.6	0.3	732.76	32.24	16.12	0.15	24.0	0.0	711.0	177.6
14	0.6	17.0	0.6	1360.79	59.87	29.94	0.15	24.0	0.0	1320.4	335.3
15	0.41	19.6	0.4	898.75	39.55	19.77	0.15	24.0	0.0	872.3	229.6
16	0.5	22.1	0.5	989.01	43.52	21.76	0.15	24.0	0.0	956.7	272.5
17	0.46	24.7	0.5	741.89	32.64	16.32	0.15	24.0	0.0	708.4	235.2
18	0.32	26.8	0.4	414.37	18.23	9.12	0.15	24.0	0.0	386.0	154.8
19	0.6	29.4	0.7	517.32	22.76	11.38	0.15	24.0	0.0	442.1	269.3
20	0.46	32.5	0.5	126.22	5.55	2.78	0.15	24.0	0.0	33.9	181.8

xc = 69.383 yc = 23.09 Rc = 20.971 Fs=5.504

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-52.3	1.715	65.69	68.89	34.45	0.0	21.0	0.0	2811.9	196.1
2	1.01	-47.9	1.540	77.62	179.42	89.71	0.15	24.0	289.8	6704.1	951.3
3	1.01	-43.9	1.462	87.37	276.64	138.32	0.15	24.0	1562.2	7516.4	988.8
4	1.01	-40.2	1.383	92.18	369.26	184.63	1.4	27.0	0.0	15006.1	4741.6
5	3.02	-33.5	3.637	457.27	1648.12	824.06	1.4	27.0	0.0	54329.9	14234.7
6	5.03	-21.1	5.497	558.24	4292.56	2146.28	1.4	27.0	0.0	113992.2	24271.8
7	2.01	-11.0	2.050	453.3	2219.95	1109.97	1.4	27.0	0.0	53356.0	10152.4
8	1.01	-6.8	1.027	042.63	1189.88	594.94	1.4	27.0	0.0	27844.9	5155.1
9	2.01	-2.6	2.055	431.82	2439.0	1219.5	1.4	27.0	0.0	55964.6	10303.9
10	2.28	3.2	2.365	537.84	2883.67	1441.83	1.4	27.0	0.0	64974.0	11819.8
11	1.9	9.0	1.954	445.6	2395.61	1197.8	1.4	27.0	0.0	53562.7	9860.8
12	1.37	13.5	1.440	231.92	1770.21	885.1	1.4	27.0	0.0	39638.4	7241.1
13	1.89	18.2	2.054	315.3	2389.87	1194.94	1.4	27.0	0.0	53870.0	10046.4
14	1.89	23.7	2.169	118.07	3041.2	1520.6	1.4	27.0	0.0	70328.6	11761.0
15	1.89	29.5	2.266	700.73	2934.83	1467.42	1.4	27.0	0.0	69857.3	11990.4
16	1.89	35.7	2.361	779.12	2718.28	1359.14	1.4	27.0	0.0	67318.8	12148.0
17	1.89	42.3	2.655	779.91	2454.32	1227.16	1.4	27.0	0.0	64123.2	12438.5
18	1.02	47.9	1.527	496.34	1209.84	604.92	1.4	27.0	0.0	33330.7	6940.5
19	0.08	50.1	0.118	11.52	79.71	39.85	1.4	27.0	0.0	2183.3	537.3
20	4.57	65.6	11.163	363.17	2787.98	1393.99	1.4	27.0	0.0	75875.0	35210.8

xc = 72.391 yc = 24.682 Rc = 11.217 Fs=3.568

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.6	-24.4	0.7	158.2	6.96	3.48	0.0	21.0	0.0	182.7	19.7
2	0.6	-21.1	0.6	439.23	19.33	9.66	0.0	21.0	0.0	491.2	52.8
3	0.77	-17.4	0.81	134.03	49.9	24.95	0.0	21.0	0.0	1229.8	132.3
4	0.43	-14.2	0.4	897.41	39.49	19.74	0.15	24.0	0.0	1004.7	312.9
5	0.57	-11.5	0.61	442.25	63.46	31.73	0.15	24.0	0.0	1562.2	441.0
6	0.63	-8.4	0.61	809.12	79.6	39.8	0.15	24.0	0.0	1903.7	505.2
7	0.64	-5.2	0.61	978.14	87.04	43.52	0.15	24.0	0.0	2033.5	525.0
8	0.56	-2.1	0.61	786.05	78.59	39.29	0.15	24.0	0.0	1803.9	461.0
9	0.66	1.0	0.72	114.27	93.03	46.51	0.15	24.0	0.0	2104.7	540.1
10	0.68	4.5	0.72	602.38	114.5	57.25	0.15	24.0	69.7	2493.5	599.1
11	0.46	7.4	0.52	033.14	89.46	44.73	0.15	24.0	80.2	1912.8	434.6
12	0.35	9.5	0.41	539.83	67.75	33.88	0.15	24.0	69.5	1435.5	330.1
13	0.27	11.1	0.3	1164.8	51.25	25.63	1.4	27.0	0.0	948.7	1210.4
14	1.18	15.0	1.24	837.87	212.87	106.43	1.4	27.0	0.0	3586.6	5313.1
15	0.6	19.7	0.62	141.27	94.22	47.11	1.4	27.0	0.0	1307.9	2695.1
16	0.6	23.0	0.72	671.13	117.53	58.76	0.15	24.0	57.0	2586.6	597.6
17	0.6	26.4	0.77	569.42	333.05	166.53	0.15	24.0	0.0	7827.1	1259.0
18	0.6	29.9	0.77	201.63	316.87	158.44	0.15	24.0	0.0	7595.7	1239.6
19	0.6	33.5	0.76	776.96	298.19	149.09	0.15	24.0	0.0	7323.6	1217.2
20	0.6	37.3	0.85	288.56	232.7	116.35	0.15	24.0	0.0	5850.8	1048.0

xc = 75.399 yc = 23.09 Rc = 20.971 Fs=6.182

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.52	-53.4	2.63	158.23	138.96	69.48	0.0	21.0	0.0	5773.8	358.5
2	1.01	-47.8	1.55	468.54	240.62	120.31	0.15	24.0	1657.4	6602.1	839.1
3	1.01	-43.9	1.48	517.93	374.79	187.39	1.4	27.0	0.0	16130.8	4490.2
4	1.01	-40.2	1.31	1295.07	496.98	248.49	1.4	27.0	0.0	18588.7	4513.8
5	1.01	-36.6	1.31	4286.74	628.62	314.31	1.4	27.0	0.0	21221.4	4589.3
6	1.01	-33.3	1.21	7229.01	758.08	379.04	1.4	27.0	0.0	23683.2	4678.1
7	1.01	-30.1	1.21	9327.02	850.39	425.19	1.4	27.0	0.0	25048.5	4697.4
8	1.01	-26.9	1.12	1373.15	940.42	470.21	1.4	27.0	0.0	26374.6	4729.7
9	3.02	-21.0	3.27	3474.73	3232.89	1616.44	1.4	27.0	0.0	84146.9	14256.5

10	7.58	-6.1	7.62	24345.0	9871.18	4935.59	1.4	27.0	0.02	29455.4	36187.0
11	1.92	7.1	1.97	8604.29	3458.59	1729.29	1.4	27.0	0.07	7868.4	10792.8
12	1.92	12.4	2.07	7503.13	3410.14	1705.07	1.4	27.0	0.07	6979.0	10789.6
13	1.92	17.8	2.07	5555.41	3324.44	1662.22	1.4	27.0	0.07	5883.3	10814.5
14	2.68	24.6	2.91	01889.5	4483.14	2241.57	1.4	27.0	0.01	05033.5	15327.9
15	2.1	32.0	2.56	6184.34	2912.11	1456.06	1.4	27.0	0.07	0887.7	11441.8
16	0.98	37.0	1.22	8652.46	1260.71	630.35	1.4	27.0	0.03	1826.6	5391.6
17	1.04	40.6	1.42	8710.47	1263.26	631.63	1.4	27.0	0.03	2834.3	5797.1
18	1.01	44.4	1.42	6049.55	1146.18	573.09	1.4	27.0	0.03	0833.3	5728.6
19	1.01	48.4	1.52	4015.3	1056.67	528.34	1.4	27.0	0.02	9544.1	5864.1
20	4.62	66.4	11.57	1754.22	3157.19	1578.59	1.4	27.0	0.01	00438.5	34373.0

xc = 78.406 yc = 24.682 Rc = 22.182 Fs=7.099

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.15	-54.7	0.3	35.26	1.55	0.78	0.0	21.0	0.0	66.1	3.6
2	1.01	-52.3	1.62	093.32	92.11	46.05	0.15	24.0	0.0	4211.6	611.6
3	1.01	-48.2	1.54	929.84	216.91	108.46	0.15	24.0	1207.6	6389.4	719.7
4	1.01	-44.4	1.48	331.34	366.58	183.29	1.4	27.0	0.01	5479.7	3889.8
5	1.01	-40.9	1.31	1789.82	518.75	259.38	1.4	27.0	0.01	9052.7	3992.4
6	1.01	-37.5	1.31	4350.42	631.42	315.71	1.4	27.0	0.02	1186.6	4022.9
7	1.01	-34.3	1.21	6819.4	740.05	370.03	1.4	27.0	0.02	3138.5	4063.3
8	3.02	-28.3	3.46	2101.85	2732.48	1366.24	1.4	27.0	0.07	7167.6	12300.6
9	8.76	-12.2	9.02	63113.7	11577.0	5788.5	1.4	27.0	0.02	77364.8	37579.6
10	2.0	2.0	2.08	0982.57	3563.23	1781.62	1.4	27.0	0.08	0691.4	9730.2
11	2.0	7.2	2.08	0605.7	3546.65	1773.33	1.4	27.0	0.08	0019.5	9710.7
12	2.0	12.4	2.07	9582.09	3501.61	1750.81	1.4	27.0	0.07	9347.9	9725.8
13	1.27	16.8	1.35	0441.37	2219.42	1109.71	1.4	27.0	0.05	0796.7	6260.1
14	0.08	18.6	0.12	975.44	130.92	65.46	1.4	27.0	0.0	3007.7	391.6
15	1.01	20.1	1.13	5075.0	1543.3	771.65	1.4	27.0	0.03	5641.0	4671.2
16	3.02	25.8	3.41	00060.9	4402.68	2201.34	1.4	27.0	0.01	04336.7	14102.0
17	5.03	38.5	6.41	45311.4	6393.7	3196.85	1.4	27.0	0.01	66088.4	24596.4
18	2.01	50.9	3.24	2856.09	1885.67	942.83	1.4	27.0	0.05	5359.9	10272.5
19	1.55	59.0	3.02	3989.49	1055.54	527.77	1.4	27.0	0.03	2766.6	8279.6
20	2.0	70.6	6.01	4379.52	632.7	316.35	1.4	27.0	0.0	7946.6	12449.7

xc = 81.414 yc = 23.09 Rc = 20.875 Fs=7.411

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.34	-60.7	0.7	285.07	12.54	6.27	0.0	21.0	0.0	640.7	33.2
2	1.01	-57.2	1.9	3534.5	155.52	77.76	0.15	24.0	0.0	7828.4	845.8
3	1.01	-52.4	1.6	6861.27	301.9	150.95	1.4	27.0	0.0	16761.1	4264.2
4	1.01	-48.0	1.5	10432.92	459.05	229.52	1.4	27.0	0.0	20311.1	4238.4
5	3.02	-40.5	4.0	48015.24	2112.67	1056.34	1.4	27.0	0.0	73894.3	12579.6
6	5.33	-26.8	6.0	127056.5	5590.48	2795.24	1.4	27.0	0.0	153414.8	21827.9
7	1.95	-15.8	2.0	56728.1	2496.04	1248.02	1.4	27.0	0.0	61238.4	8040.1
8	1.95	-10.3	2.0	75754.23	3333.19	1666.59	1.4	27.0	0.0	78663.4	9153.6
9	1.95	-4.9	2.0	80224.7	3529.89	1764.94	1.4	27.0	0.0	81315.8	9288.9
10	1.95	0.5	2.0	80903.07	3559.74	1779.87	1.4	27.0	0.0	80830.9	9242.2
11	2.88	7.1	2.9	120371.4	5296.34	2648.17	1.4	27.0	0.0	119594.5	13710.0
12	1.09	12.7	1.1	40847.36	1797.28	898.64	1.4	27.0	0.0	40761.2	4913.9
13	1.88	16.9	2.0	69046.45	3038.04	1519.02	1.4	27.0	0.0	69579.7	8492.7
14	1.14	21.3	1.2	40774.77	1794.09	897.05	1.4	27.0	0.0	41737.3	5179.7
15	1.01	24.5	1.1	35309.93	1553.64	776.82	1.4	27.0	0.0	36693.4	4610.7
16	1.01	27.5	1.1	34579.19	1521.48	760.74	1.4	27.0	0.0	36567.3	4657.4
17	1.01	30.7	1.2	33845.74	1489.21	744.61	1.4	27.0	0.0	36556.0	4723.6
18	1.01	34.0	1.2	32720.9	1439.72	719.86	1.4	27.0	0.0	36231.0	4782.6
19	1.01	37.4	1.3	31064.04	1366.82	683.41	1.4	27.0	0.0	35401.5	4825.5
20	7.48	60.4	15.1	156035.7	6865.57	3432.79	1.4	27.0	0.0	236664.7	44856.4

xc = 84.422 yc = 24.682 Rc = 22.164 Fs=9.099

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.36	-60.0	0.7	231.26	10.18	5.09	0.0	21.0	0.0	499.6	21.1
2	1.01	-56.7	1.8	3225.86	141.94	70.97	0.15	24.0	0.0	6854.0	637.8
3	3.02	-48.5	4.6	29108.5	1280.77	640.39	1.4	27.0	0.0	55311.7	10102.1
4	4.18	-35.9	5.2	77730.37	3420.14	1710.07	1.4	27.0	0.0	105984.9	13877.8
5	1.75	-26.7	2.0	42852.98	1885.53	942.77	1.4	27.0	0.0	50898.4	5856.6
6	2.06	-21.3	2.2	59454.71	2616.01	1308.0	1.4	27.0	0.0	66585.9	7133.6
7	2.06	-15.7	2.1	79617.66	3503.18	1751.59	1.4	27.0	0.0	84940.1	8051.3
8	2.06	-10.2	2.1	82249.14	3618.96	1809.48	1.4	27.0	0.0	84996.0	7982.9
9	2.06	-4.8	2.1	83911.93	3692.13	1846.06	1.4	27.0	0.0	84871.1	7936.3
10	1.84	0.3	1.8	76543.85	3367.93	1683.97	1.4	27.0	0.0	76512.2	7110.3
11	0.08	2.7	0.1	3192.12	140.45	70.23	1.4	27.0	0.0	3181.0	308.2
12	1.01	4.2	1.0	38023.71	1673.04	836.52	1.4	27.0	0.0	37857.1	3672.0
13	3.02	9.4	3.1	113154.0	4978.78	2489.39	1.4	27.0	0.0	112871.2	11028.0
14	5.03	20.3	5.4	183801.5	8087.26	4043.63	1.4	27.0	0.0	189032.0	18839.5
15	2.01	30.3	2.3	66532.0	2927.41	1463.7	1.4	27.0	0.0	72586.0	7650.4
16	1.45	35.6	1.8	44064.55	1938.84	969.42	1.4	27.0	0.0	50225.7	5549.5
17	1.57	40.6	2.1	43713.43	1923.39	961.7	1.4	27.0	0.0	52323.2	6115.2

18	1.01	45.1	1.42	5264.95	1111.66	555.83	1.4	27.0	0.03	1808.1	3974.5
19	1.01	48.9	1.52	2599.74	994.39	497.19	1.4	27.0	0.02	9782.1	4024.0
20	4.66	65.8	11.46	0633.89	2667.89	1333.95	1.4	27.0	0.09	6828.6	22903.0

xc = 87.429 yc = 23.09 Rc = 20.88 Fs=11.637

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.08	-62.8	2.42	496.04	109.83	54.91	0.15	24.0	0.0	6539.8	554.2
2	1.01	-57.0	1.86	535.47	287.56	143.78	1.4	27.0	0.01	6554.5	2949.0
3	1.27	-51.7	2.11	3420.17	590.49	295.24	1.4	27.0	0.02	6215.7	3616.6
4	1.22	-46.4	1.81	7151.99	754.69	377.34	1.4	27.0	0.02	8431.6	3375.8
5	0.68	-42.7	0.91	1595.88	510.22	255.11	1.4	27.0	0.01	7524.6	1885.6
6	0.82	-40.0	1.11	5766.92	693.74	346.87	1.4	27.0	0.02	2477.0	2266.2
7	0.27	-38.1	0.35	510.84	242.48	121.24	1.4	27.0	0.0	7579.5	742.5
8	9.64	-23.1	10.53	40382.71	4976.84	7488.42	1.4	27.0	0.03	82430.4	29343.1
9	1.11	-7.0	1.14	6978.5	2067.05	1033.53	1.4	27.0	0.04	7753.3	3436.8
10	0.08	-5.3	0.13	239.24	142.53	71.26	1.4	27.0	0.0	3276.4	245.5
11	1.01	-3.8	1.03	8762.69	1705.56	852.78	1.4	27.0	0.03	9046.9	2922.8
12	3.02	1.7	3.01	17295.85	5161.02	2580.51	1.4	27.0	0.01	17089.1	8759.6
13	5.03	12.9	5.21	97069.78	8671.07	4335.53	1.4	27.0	0.01	98772.7	14912.8
14	2.01	23.0	2.27	4244.76	3266.77	1633.39	1.4	27.0	0.07	8103.4	6050.3
15	1.72	28.7	2.05	9887.91	2635.07	1317.53	1.4	27.0	0.06	5429.3	5226.2
16	1.3	33.6	1.64	2500.74	1870.03	935.02	1.4	27.0	0.04	8354.3	3989.9
17	1.01	37.4	1.33	1109.55	1368.82	684.41	1.4	27.0	0.03	6778.2	3134.7
18	1.01	41.0	1.32	9041.33	1277.82	638.91	1.4	27.0	0.03	5726.7	3168.2
19	1.01	44.8	1.42	6767.0	1177.75	588.87	1.4	27.0	0.03	4515.5	3216.4
20	5.67	67.7	14.99	8550.75	4336.23	2168.12	1.4	27.0	0.01	94925.4	26503.7

xc = 90.437 yc = 24.682 Rc = 18.698 Fs=15.389

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.49	-60.4	1.0	426.72	18.78	9.39	0.15	24.0	0.0	1092.4	129.1
2	0.27	-58.1	0.5	586.03	25.79	12.89	0.15	24.0	0.0	1247.6	85.7
3	4.5	-47.1	6.66	3156.18	2778.87	1389.44	1.4	27.0	0.01	03025.0	9436.3
4	1.76	-33.7	2.14	4712.77	1967.36	983.68	1.4	27.0	0.05	6273.3	3783.2
5	1.76	-27.4	2.04	9167.25	2163.36	1081.68	1.4	27.0	0.05	7320.3	3697.5
6	1.76	-21.5	1.95	2987.57	2331.45	1165.73	1.4	27.0	0.05	8395.8	3650.3

7	0.98	-17.1	1.03	1366.61	1380.13	690.07	1.4	27.0	0.03	3435.0	2035.0
8	0.08	-15.4	0.12	394.14	105.34	52.67	1.4	27.0	0.0	2527.8	163.4
9	1.01	-13.6	1.02	8918.56	1272.42	636.21	1.4	27.0	0.03	0229.8	1942.9
10	3.02	-7.4	3.09	0088.67	3963.9	1981.95	1.4	27.0	0.09	1594.9	5801.9
11	4.02	3.5	4.01	25868.1	5538.2	2769.1	1.4	27.0	0.01	25624.6	7827.8
12	2.01	12.8	2.16	2358.38	2743.77	1371.88	1.4	27.0	0.06	3051.1	3965.3
13	2.01	19.3	2.15	9611.01	2622.89	1311.44	1.4	27.0	0.06	1751.9	3983.9
14	0.91	24.1	1.02	5770.98	1133.92	566.96	1.4	27.0	0.02	7411.1	1814.9
15	1.1	27.5	1.23	0000.71	1320.03	660.02	1.4	27.0	0.03	2666.8	2211.3
16	1.01	31.2	1.22	6069.84	1147.07	573.54	1.4	27.0	0.02	9240.6	2038.2
17	1.01	34.9	1.22	4387.61	1073.06	536.53	1.4	27.0	0.02	8294.3	2052.5
18	1.01	38.7	1.32	2533.74	991.48	495.74	1.4	27.0	0.02	7220.1	2074.6
19	1.01	42.8	1.42	0600.95	906.44	453.22	1.4	27.0	0.02	6122.4	2112.6
20	5.41	64.6	12.67	3602.88	3238.53	1619.26	1.4	27.0	0.01	37905.5	16042.9

xc = 93.445 yc = 23.09 Rc = 4.33 Fs=10.468

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	-39.3	0.4	93.2	4.1	2.05	0.0	21.0	0.0	124.2	4.6
2	0.31	-34.2	0.4	260.17	11.45	5.72	0.0	21.0	0.0	322.7	11.8
3	0.4	-28.8	0.5	542.64	23.88	11.94	0.0	21.0	0.0	631.7	23.2
4	0.22	-24.1	0.2	398.55	17.54	8.77	0.0	21.0	0.0	444.1	16.3
5	0.31	-20.4	0.3	667.29	29.36	14.68	0.15	24.0	0.0	741.0	78.8
6	0.31	-16.0	0.3	785.09	34.54	17.27	0.15	24.0	0.0	840.5	81.8
7	0.17	-12.8	0.2	465.01	20.46	10.23	0.15	24.0	0.0	487.1	45.1
8	0.45	-8.7	0.5	1333.87	58.69	29.35	0.15	24.0	0.0	1368.0	123.7
9	0.31	-3.6	0.3	929.41	40.89	20.45	0.15	24.0	0.0	936.4	84.2
10	0.25	0.1	0.2	737.32	32.44	16.22	0.15	24.0	0.0	737.2	66.5
11	0.37	4.2	0.4	1107.9	48.75	24.37	0.15	24.0	0.0	1103.5	100.5
12	0.31	8.8	0.3	889.6	39.14	19.57	0.15	24.0	0.0	887.4	82.5
13	0.32	13.0	0.3	890.02	39.16	19.58	0.15	24.0	0.0	893.7	85.7
14	0.29	17.2	0.3	755.03	33.22	16.61	0.15	24.0	0.0	766.8	76.7
15	0.31	21.5	0.3	724.88	31.89	15.95	0.15	24.0	0.0	747.8	79.4
16	0.4	26.7	0.5	813.77	35.81	17.9	0.0	21.0	0.0	894.1	32.8
17	0.21	31.3	0.3	361.4	15.9	7.95	0.0	21.0	0.0	413.8	15.2
18	0.31	35.5	0.4	416.45	18.32	9.16	0.0	21.0	0.0	498.5	18.3
19	0.31	40.7	0.4	272.91	12.01	6.0	0.0	21.0	0.0	349.0	12.8
20	0.31	46.4	0.4	100.16	4.41	2.2	0.0	21.0	0.0	139.8	5.1

xc = 96.452 yc = 24.682 Rc = 6.929 Fs=20.00

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.24	-46.3	0.3	68.12	3.0	1.5	0.0	21.0	0.0	100.0	1.3
2	1.01	-39.5	1.3	1710.85	75.28	37.64	0.0	21.0	0.0	2240.4	28.7
3	0.29	-32.7	0.3	844.93	37.18	18.59	0.15	24.0	0.0	1024.4	32.6
4	0.71	-27.9	0.8	2433.33	107.07	53.53	0.15	24.0	0.0	2795.9	81.8
5	0.31	-23.1	0.3	1207.03	53.11	26.55	0.15	24.0	0.0	1328.2	36.8
6	0.69	-18.7	0.7	2900.71	127.63	63.82	0.15	24.0	175.8	2903.7	79.7
7	0.33	-14.2	0.3	1502.11	66.09	33.05	1.4	27.0	0.0	1597.4	187.9
8	0.67	-10.0	0.7	3181.61	139.99	70.0	1.4	27.0	0.0	3296.7	374.5
9	0.35	-5.7	0.4	1730.13	76.13	38.06	1.4	27.0	0.0	1758.3	196.0
10	0.65	-1.5	0.7	3226.88	141.98	70.99	1.4	27.0	0.0	3237.7	359.3
11	0.37	2.7	0.4	1848.05	81.31	40.66	1.4	27.0	0.0	1840.3	206.3
12	0.63	6.9	0.6	3049.23	134.17	67.08	1.4	27.0	0.0	3029.3	348.3
13	0.4	11.2	0.4	1835.5	80.76	40.38	1.4	27.0	0.0	1827.8	219.0
14	0.51	15.1	0.5	2269.74	99.87	49.93	1.4	27.0	0.0	2273.3	286.7
15	0.51	19.5	0.5	2094.38	92.15	46.08	1.4	27.0	0.0	2119.2	290.1
16	0.59	24.4	0.6	2128.22	93.64	46.82	1.4	27.0	0.0	2183.2	339.9
17	0.44	29.2	0.5	1319.8	58.07	29.04	0.15	24.0	224.1	1230.9	43.2
18	0.57	34.1	0.7	1381.36	60.78	30.39	0.15	24.0	157.4	1440.4	55.8
19	0.46	39.4	0.6	729.05	32.08	16.04	0.15	24.0	0.0	908.1	43.0
20	0.51	44.8	0.7	305.89	13.46	6.73	0.0	21.0	0.0	425.9	5.5

xc = 99.46 yc = 23.09 Rc = 11.503 Fs=17.97

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.05	-65.9	2.6	2746.46	120.84	60.42	0.15	24.0	0.0	7614.0	402.0
2	1.01	-55.1	1.8	6654.73	292.81	146.4	1.4	27.0	0.0	14171.6	1772.0
3	1.01	-47.0	1.5	9922.66	436.6	218.3	1.4	27.0	0.0	16290.7	1612.1
4	1.01	-40.1	1.3	12691.5	558.43	279.21	1.4	27.0	0.0	17876.0	1531.4
5	1.01	-33.8	1.2	14786.04	650.59	325.29	1.4	27.0	0.0	18778.2	1475.6
6	1.01	-27.9	1.1	16188.18	712.28	356.14	1.4	27.0	0.0	19080.5	1428.3
7	1.01	-22.4	1.1	17276.98	760.19	380.09	1.4	27.0	0.0	19259.0	1393.8
8	1.01	-17.1	1.1	18089.38	795.93	397.97	1.4	27.0	0.0	19340.9	1368.3
9	1.01	-11.9	1.0	18677.42	821.81	410.9	1.4	27.0	0.0	19369.2	1350.2
10	2.01	-4.3	2.0	38419.46	1690.46	845.23	1.4	27.0	0.0	38726.3	2670.2
11	1.01	3.3	1.0	19306.99	849.51	424.75	1.4	27.0	0.0	19262.4	1331.3
12	1.01	8.3	1.0	18901.61	831.67	415.84	1.4	27.0	0.0	18908.2	1328.3
13	1.01	13.4	1.0	18341.5	807.03	403.51	1.4	27.0	0.0	18538.7	1331.5
14	1.01	18.6	1.1	17745.5	780.8	390.4	1.4	27.0	0.0	18274.5	1345.5

15	1.01	24.0	1.1	16853.54	741.56	370.78	1.4	27.0	0.0	17845.0	1364.3
16	1.01	29.7	1.2	16047.02	706.07	353.03	1.4	27.0	0.0	17668.3	1403.1
17	1.01	35.6	1.2	15906.66	699.89	349.95	1.4	27.0	0.0	18503.8	1489.1
18	1.01	42.1	1.4	16114.95	709.06	354.53	1.4	27.0	0.0	20244.8	1630.5
19	2.01	54.0	3.4	26874.55	1182.48	591.24	1.4	27.0	0.0	40506.0	3818.6
20	1.28	77.4	5.9	9968.75	438.62	219.31	1.4	27.0	0.0	22391.2	5211.5

xc = 18.253 yc = 27.865 Rc = 25.589 Fs=2.765

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.05	-6.0	1.1	384.08	16.9	8.45	0.0	21.0	0.0	391.9	54.4
2	0.36	-4.4	0.4	320.42	14.1	7.05	0.0	21.0	0.0	324.9	45.1
3	0.65	-3.3	0.6	897.96	39.51	19.76	0.0	21.0	0.0	906.7	125.9
4	0.77	-1.7	0.8	1319.98	58.08	29.04	0.0	21.0	109.0	1216.6	168.9
5	0.71	-0.1	0.7	1258.83	55.39	27.69	0.0	21.0	218.0	1041.0	144.5
6	0.54	1.3	0.5	1070.37	47.1	23.55	0.0	21.0	228.0	839.8	116.6
7	1.01	3.1	1.0	2191.72	96.44	48.22	0.0	21.0	561.9	1620.1	224.9
8	0.57	4.8	0.6	1410.63	62.07	31.03	0.0	21.0	375.7	1026.6	142.5
9	0.44	6.0	0.4	1218.53	53.62	26.81	0.0	21.0	313.5	896.9	124.5
10	1.01	7.6	1.0	3137.37	138.04	69.02	0.15	24.0	780.9	2255.5	913.7
11	1.01	9.9	1.0	3299.23	145.17	72.58	0.15	24.0	829.4	2344.9	931.5
12	0.37	11.4	0.4	1199.28	52.77	26.38	0.15	24.0	314.0	834.1	341.8
13	0.63	12.6	0.6	1929.02	84.88	42.44	0.15	24.0	528.7	1309.3	561.7
14	1.01	14.5	1.0	2769.41	121.85	60.93	0.15	24.0	812.3	1800.8	853.6
15	0.48	16.2	0.5	1156.82	50.9	25.45	0.15	24.0	358.4	719.0	387.0
16	0.53	17.4	0.6	1129.0	49.68	24.84	0.0	21.0	369.2	763.0	105.9
17	0.89	19.0	0.9	1528.97	67.27	33.64	0.0	21.0	542.7	995.7	138.2
18	0.71	20.9	0.8	849.45	37.38	18.69	0.0	21.0	337.5	520.5	72.3
19	0.42	22.3	0.5	345.65	15.21	7.6	0.0	21.0	157.4	192.5	26.7
20	0.99	24.0	1.1	158.14	6.96	3.48	0.0	21.0	0.0	163.1	22.6

xc = 24.268 yc = 27.865 Rc = 25.637 Fs=2.658

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.1	-14.7	1.1	309.23	13.61	6.8	0.0	21.0	0.0	332.3	48.0
2	0.81	-12.5	0.8	732.75	32.24	16.12	0.0	21.0	0.0	775.4	112.0
3	1.01	-10.4	1.0	1557.94	68.55	34.27	0.0	21.0	219.3	1398.4	201.9

4	1.01	-8.2	1.02	441.88	107.44	53.72	0.0	21.0	589.1	1911.4	276.0
5	1.01	-5.9	1.03	397.68	149.5	74.75	0.15	24.0	917.9	2596.9	1005.8
6	1.01	-3.6	1.04	015.48	176.68	88.34	0.15	24.0	1206.3	2881.8	1051.6
7	1.01	-1.4	1.04	306.01	189.46	94.73	0.15	24.0	1454.8	2877.6	1049.9
8	1.01	0.9	1.04	409.28	194.01	97.0	0.15	24.0	1675.4	2718.9	1023.2
9	1.01	3.1	1.04	399.75	193.59	96.79	0.15	24.0	1844.3	2505.6	988.3
10	2.01	6.5	2.08	383.66	368.88	184.44	0.15	24.0	4057.3	4145.1	1837.1
11	1.01	9.9	1.01	838.63	80.9	40.45	0.15	24.0	0.0	1715.7	863.7
12	1.01	12.2	1.04	114.31	181.03	90.51	0.15	24.0	2116.1	1851.8	891.0
13	1.01	14.5	1.05	306.84	233.5	116.75	0.15	24.0	2081.1	3048.1	1097.0
14	1.01	16.8	1.16	146.24	270.43	135.22	0.15	24.0	1977.1	3974.9	1259.0
15	1.01	19.2	1.15	874.74	258.49	129.24	0.15	24.0	1827.6	3851.5	1246.3
16	1.01	21.6	1.15	280.87	232.36	116.18	0.15	24.0	1619.0	3466.8	1191.3
17	1.01	24.0	1.14	490.63	197.59	98.79	0.15	24.0	1372.8	2918.6	1110.6
18	1.01	26.5	1.13	722.13	163.77	81.89	0.15	24.0	1074.5	2438.5	1043.1
19	1.01	29.1	1.22	885.36	126.96	63.48	0.15	24.0	720.6	1935.4	973.8
20	2.05	33.1	2.42	513.99	110.62	55.31	0.0	21.0	119.1	2612.9	377.3

xc = 30.284 yc = 27.865 Rc = 25.685 Fs=2.593

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.19	-21.1	0.2	26.38	1.16	0.58	0.0	21.0	0.0	30.0	4.4
2	1.01	-19.7	1.1	938.0	41.27	20.64	0.0	21.0	0.0	1052.0	155.8
3	1.01	-17.3	1.12	011.38	88.5	44.25	0.0	21.0	135.4	2060.2	305.0
4	1.01	-15.0	1.0	2749.1	120.96	60.48	0.0	21.0	632.4	2281.6	337.8
5	1.01	-12.7	1.03	311.01	145.68	72.84	0.15	24.0	1097.4	2499.5	1025.9
6	3.02	-8.1	3.01	2306.34	541.48	270.74	0.15	24.0	5628.8	7172.4	2995.9
7	2.16	-2.3	2.24	906.94	215.91	107.95	0.15	24.0	0.0	4995.6	2110.6
8	0.86	1.1	0.96	056.23	266.47	133.24	0.15	24.0	2514.7	3521.6	1099.6
9	1.01	3.1	1.08	264.82	363.65	181.83	0.15	24.0	3092.1	5100.3	1458.9
10	1.01	5.4	1.08	475.31	372.91	186.46	0.15	24.0	3196.3	5163.4	1471.5
11	1.01	7.7	1.08	376.75	368.58	184.29	0.15	24.0	3248.4	4980.5	1442.7
12	1.01	9.9	1.08	098.39	356.33	178.16	0.15	24.0	3271.7	4656.6	1390.7
13	1.01	12.2	1.07	862.09	345.93	172.97	0.15	24.0	3253.4	4422.0	1355.1
14	1.01	14.5	1.07	582.29	333.62	166.81	0.15	24.0	3192.7	4192.2	1321.3
15	2.01	18.0	2.11	3639.48	600.14	300.07	0.15	24.0	6026.2	7205.1	2461.9
16	1.01	21.6	1.15	878.85	258.67	129.33	0.15	24.0	2729.5	2939.4	1131.0
17	1.01	24.1	1.15	247.72	230.9	115.45	0.15	24.0	2471.2	2559.7	1077.1
18	1.01	26.5	1.14	647.89	204.51	102.25	0.15	24.0	2172.8	2248.7	1036.9
19	1.01	29.1	1.24	007.89	176.35	88.17	0.15	24.0	1819.0	1948.1	1000.7
20	4.51	36.6	5.61	0339.24	454.93	227.46	0.15	24.0	2305.1	6731.9	4411.2

xc = 36.299 yc = 27.865 Rc = 25.732 Fs=6.163

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.84	-24.2	0.9	315.74	13.89	6.95	0.0	21.0	0.0	356.2	22.2
2	2.01	-20.8	2.2	2987.29	131.44	65.72	0.0	21.0	1209.9	1947.5	121.3
3	1.01	-17.2	1.1	1224.98	53.9	26.95	0.15	24.0	0.0	1393.3	357.1
4	1.01	-14.9	1.0	3748.28	164.92	82.46	0.15	24.0	1923.4	1994.2	397.5
5	1.01	-12.6	1.0	5867.78	258.18	129.09	0.15	24.0	2376.4	3693.2	517.8
6	1.01	-10.3	1.0	7636.43	336.0	168.0	0.15	24.0	2761.4	5066.9	615.0
7	1.01	-8.0	1.0	8301.31	365.26	182.63	0.15	24.0	3104.8	5337.5	633.0
8	1.01	-5.8	1.0	8656.02	380.87	190.43	0.15	24.0	3395.4	5351.6	632.8
9	1.01	-3.5	1.0	8831.98	388.61	194.3	0.15	24.0	3657.8	5222.5	622.7
10	1.01	-1.3	1.0	9086.17	399.79	199.9	1.4	27.0	0.0	9157.1	3043.5
11	3.02	3.2	3.0	28413.5	1250.19	625.1	1.4	27.0	0.0	27945.1	9178.7
12	5.03	12.3	5.1	46026.53	2025.17	1012.58	1.4	27.0	0.0	43767.5	15316.8
13	1.07	19.3	1.1	9626.79	423.58	211.79	1.4	27.0	0.0	9037.4	3319.8
14	0.94	21.7	1.0	8387.66	369.06	184.53	1.4	27.0	0.0	7850.9	2956.5
15	1.01	24.1	1.1	8737.96	384.47	192.24	1.4	27.0	0.0	8150.8	3177.2
16	2.01	27.8	2.3	15179.81	667.91	333.96	1.4	27.0	0.0	13832.4	6312.9
17	1.01	31.7	1.2	7024.09	309.06	154.53	0.15	24.0	2504.2	4914.3	642.8
18	1.01	34.3	1.2	6921.69	304.55	152.28	0.15	24.0	2038.9	5442.5	689.8
19	1.01	37.1	1.3	6564.49	288.84	144.42	0.15	24.0	1538.9	5754.7	722.9
20	3.8	44.4	5.3	12830.12	564.53	282.26	0.0	21.0	0.0	16937.3	1055.0

xc = 39.307 yc = 26.273 Rc = 19.036 Fs=0.94

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.21	12.4	0.2	2.81	0.12	0.06	0.0	21.0	0.0	2.6	1.1
2	0.21	13.1	0.2	7.73	0.34	0.17	0.0	21.0	0.0	7.2	3.0
3	0.21	13.7	0.2	11.71	0.52	0.26	0.0	21.0	0.0	11.0	4.5
4	0.21	14.3	0.2	14.75	0.65	0.32	0.0	21.0	0.0	13.8	5.6
5	0.15	14.9	0.2	11.66	0.51	0.26	0.0	21.0	0.0	10.9	4.4
6	0.27	15.5	0.3	31.16	1.37	0.69	0.0	21.0	0.0	29.0	11.9
7	0.21	16.3	0.2	35.16	1.55	0.77	0.0	21.0	0.0	32.7	13.4
8	0.21	16.9	0.2	43.81	1.93	0.96	0.0	21.0	0.0	40.7	16.6
9	0.21	17.6	0.2	51.48	2.27	1.13	0.0	21.0	0.0	47.8	19.5
10	0.12	18.1	0.1	32.08	1.41	0.71	0.0	21.0	0.0	29.8	12.2
11	0.3	18.8	0.3	80.22	3.53	1.76	0.0	21.0	0.0	74.4	30.4

12	0.21	19.6	0.2	50.19	2.21	1.1	0.0	21.0	0.0	46.5	19.0
13	0.21	20.2	0.2	44.37	1.95	0.98	0.0	21.0	0.0	41.1	16.8
14	0.3	21.0	0.3	51.24	2.25	1.13	0.0	21.0	0.0	47.4	19.4
15	0.12	21.7	0.1	17.57	0.77	0.39	0.0	21.0	0.0	16.3	6.6
16	0.21	22.2	0.2	31.57	1.39	0.69	0.0	21.0	0.0	29.2	11.9
17	0.21	22.9	0.2	31.72	1.4	0.7	0.0	21.0	0.0	29.4	12.0
18	0.21	23.6	0.2	30.78	1.35	0.68	0.0	21.0	0.0	28.5	11.6
19	0.21	24.3	0.2	28.72	1.26	0.63	0.0	21.0	0.0	26.6	10.9
20	0.21	24.9	0.2	18.57	0.82	0.41	0.0	21.0	0.0	17.2	7.0

xc = 42.314 yc = 27.865 Rc = 20.295 Fs=0.96

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.29	2.3	0.3	16.28	0.72	0.36	0.0	21.0	0.0	16.0	6.4
2	1.01	4.1	1.0	323.43	14.23	7.12	0.0	21.0	0.0	315.2	126.1
3	0.34	6.0	0.3	206.64	9.09	4.55	0.0	21.0	0.0	199.4	79.8
4	0.67	7.4	0.7	584.08	25.7	12.85	0.0	21.0	0.0	559.8	223.9
5	0.43	9.0	0.4	468.98	20.64	10.32	0.0	21.0	0.0	446.5	178.6
6	0.58	10.5	0.6	696.36	30.64	15.32	0.0	21.0	0.0	659.4	263.8
7	0.52	12.0	0.5	699.88	30.79	15.4	0.0	21.0	0.0	659.4	263.8
8	0.49	13.5	0.5	752.38	33.1	16.55	0.0	21.0	0.0	706.0	282.4
9	0.6	15.1	0.6	885.31	38.95	19.48	0.0	21.0	0.0	827.7	331.1
10	0.55	16.8	0.6	636.05	27.99	13.99	0.0	21.0	0.0	592.8	237.2
11	0.55	18.4	0.6	641.55	28.23	14.11	0.0	21.0	0.0	596.7	238.7
12	0.31	19.7	0.3	389.57	17.14	8.57	0.0	21.0	0.0	362.0	144.8
13	1.01	21.7	1.1	1242.72	54.68	27.34	0.0	21.0	0.0	1153.8	461.6
14	0.32	23.7	0.3	419.26	18.45	9.22	0.0	21.0	0.0	389.5	155.8
15	0.69	25.3	0.8	1152.53	50.71	25.36	0.0	21.0	0.0	1072.0	428.9
16	0.41	27.0	0.5	740.18	32.57	16.28	0.0	21.0	0.0	690.0	276.1
17	0.6	28.6	0.7	918.16	40.4	20.2	0.0	21.0	0.0	858.5	343.4
18	0.5	30.4	0.6	595.23	26.19	13.1	0.0	21.0	0.0	558.9	223.6
19	0.51	32.0	0.6	437.86	19.27	9.63	0.0	21.0	0.0	413.1	165.3
20	0.58	33.9	0.7	199.94	8.8	4.4	0.0	21.0	0.0	189.8	75.9

xc = 45.322 yc = 26.273 Rc = 18.16 Fs=1.048

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.56	-1.0	0.6	124.6	5.48	2.74	0.0	21.0	0.0	125.4	45.9
2	0.55	0.7	0.5	320.35	14.1	7.05	0.0	21.0	0.0	318.9	116.8
3	0.46	2.3	0.5	377.16	16.6	8.3	0.0	21.0	0.0	372.0	136.2
4	0.65	4.1	0.7	743.58	32.72	16.36	0.0	21.0	0.0	726.5	266.0
5	0.36	5.7	0.4	515.53	22.68	11.34	0.0	21.0	0.0	499.9	183.0
6	0.75	7.4	0.8	1106.83	48.7	24.35	0.0	21.0	0.0	1065.4	390.1
7	0.55	9.5	0.6	725.25	31.91	15.96	0.0	21.0	0.0	692.9	253.7
8	0.71	11.5	0.7	1124.12	49.46	24.73	0.0	21.0	0.0	1067.5	390.9
9	0.4	13.3	0.4	713.28	31.38	15.69	0.0	21.0	0.0	674.5	247.0
10	0.61	15.0	0.6	1135.38	49.96	24.98	0.0	21.0	0.0	1070.5	392.0
11	0.5	16.8	0.5	1097.0	48.27	24.13	0.0	21.0	0.0	1031.9	377.8
12	0.5	18.4	0.5	1351.64	59.47	29.74	0.0	21.0	0.0	1269.8	464.9
13	0.6	20.3	0.6	1720.45	75.7	37.85	0.0	21.0	0.0	1615.6	591.5
14	0.4	22.0	0.4	1087.45	47.85	23.92	0.0	21.0	0.0	1021.7	374.1
15	0.71	23.9	0.8	1769.51	77.86	38.93	0.0	21.0	0.0	1665.2	609.7
16	0.3	25.6	0.3	693.25	30.5	15.25	0.0	21.0	0.0	654.0	239.5
17	1.01	28.0	1.1	1815.86	79.9	39.95	0.0	21.0	0.0	1721.3	630.3
18	0.35	30.4	0.4	427.32	18.8	9.4	0.0	21.0	0.0	407.8	149.3
19	0.55	32.1	0.7	469.74	20.67	10.33	0.0	21.0	0.0	450.9	165.1
20	0.55	34.2	0.7	179.41	7.89	3.95	0.0	21.0	0.0	173.7	63.6

xc = 48.33 yc = 27.865 Rc = 18.581 Fs=1.227

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.47	2.3	0.5	79.95	3.52	1.76	0.0	21.0	0.0	79.0	24.7
2	0.38	3.6	0.4	169.47	7.46	3.73	0.0	21.0	0.0	166.5	52.1
3	0.62	5.2	0.6	438.66	19.3	9.65	0.0	21.0	0.0	428.4	134.0
4	0.23	6.5	0.2	231.13	10.17	5.08	0.0	21.0	0.0	224.6	70.3
5	0.43	7.5	0.4	619.23	27.25	13.62	0.0	21.0	0.0	599.9	187.7
6	0.35	8.7	0.4	691.74	30.44	15.22	0.0	21.0	0.0	667.8	208.9
7	0.5	10.0	0.5	1110.1	48.84	24.42	0.0	21.0	0.0	1068.2	334.2
8	0.51	11.6	0.5	1141.9	50.24	25.12	0.0	21.0	0.0	1095.3	342.7
9	0.35	13.0	0.4	783.05	34.45	17.23	0.0	21.0	0.0	749.6	234.5
10	0.43	14.2	0.4	964.63	42.44	21.22	0.0	21.0	0.0	922.1	288.5
11	0.23	15.2	0.2	528.92	23.27	11.64	0.0	21.0	0.0	505.1	158.0
12	0.62	16.6	0.6	1298.91	57.15	28.58	0.0	21.0	0.0	1239.8	387.9
13	0.39	18.2	0.4	724.89	31.9	15.95	0.0	21.0	0.0	691.9	216.5
14	0.46	19.6	0.5	778.8	34.27	17.13	0.0	21.0	0.0	743.8	232.7
15	0.54	21.3	0.6	818.89	36.03	18.02	0.0	21.0	0.0	783.3	245.1
16	0.31	22.7	0.3	398.06	17.51	8.76	0.0	21.0	0.0	381.5	119.4
17	0.43	23.9	0.5	443.98	19.54	9.77	0.0	21.0	0.0	426.5	133.4
18	0.27	25.1	0.3	214.61	9.44	4.72	0.0	21.0	0.0	206.7	64.7
19	0.58	26.6	0.6	289.62	12.74	6.37	0.0	21.0	0.0	280.0	87.6

20	0.43	28.3	0.5	66.71	2.94	1.47	0.0	21.0	0.0	64.8	20.3

xc = 51.337 yc = 26.273 Rc = 18.837 Fs=2.387

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.87	-16.9	0.9	422.56	18.59	9.3	0.0	21.0	0.0	464.5	74.7
2	1.01	-14.0	1.0	1595.87	70.22	35.11	0.0	21.0	0.0	1713.2	275.5
3	1.18	-10.6	1.2	2854.16	125.58	62.79	0.15	24.0	425.7	2705.4	1257.7
4	0.83	-7.5	0.8	2674.34	117.67	58.84	0.15	24.0	574.5	2242.3	947.4
5	1.01	-4.7	1.0	4088.2	179.88	89.94	0.15	24.0	959.0	3240.7	1239.0
6	1.01	-1.6	1.0	5340.03	234.96	117.48	0.15	24.0	1206.4	4174.6	1411.4
7	1.01	1.5	1.0	6367.97	280.19	140.1	0.15	24.0	1435.5	4894.6	1545.7
8	1.01	4.5	1.0	6715.89	295.5	147.75	0.15	24.0	1598.4	5009.2	1568.8
9	1.01	7.6	1.0	6792.55	298.87	149.44	0.15	24.0	1718.7	4911.3	1554.2
10	1.01	10.7	1.0	6707.73	295.14	147.57	0.15	24.0	1783.4	4723.2	1524.7
11	1.01	13.8	1.0	6523.84	287.05	143.52	0.15	24.0	1779.1	4518.5	1494.2
12	1.01	17.0	1.1	6199.69	272.79	136.39	0.15	24.0	1727.6	4232.7	1451.0
13	1.29	20.7	1.4	7183.54	316.08	158.04	0.15	24.0	2031.4	4839.1	1769.3
14	0.72	24.0	0.8	3581.06	157.57	78.78	0.15	24.0	1003.2	2401.1	945.2
15	1.01	26.9	1.1	4550.29	200.21	100.11	0.15	24.0	1174.1	3130.0	1293.3
16	1.01	30.4	1.2	4129.13	181.68	90.84	0.15	24.0	836.4	3053.4	1303.0
17	1.01	34.1	1.2	3445.11	151.58	75.79	0.15	24.0	426.1	2777.7	1281.5
18	1.01	37.8	1.3	3045.57	134.01	67.0	0.15	24.0	0.0	2825.1	1327.8
19	1.01	41.8	1.4	2607.93	114.75	57.37	0.0	21.0	0.0	3059.6	492.1
20	1.37	46.9	2.0	1368.84	60.23	30.11	0.0	21.0	0.0	1710.3	275.1

xc = 54.345 yc = 27.865 Rc = 19.312 Fs=2.505

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.38	-15.7	0.4	94.41	4.15	2.08	0.0	21.0	0.0	102.5	15.7
2	1.01	-13.6	1.0	1073.6	47.24	23.62	0.0	21.0	0.0	1147.1	175.7
3	1.01	-10.5	1.0	2609.48	114.82	57.41	0.0	21.0	0.0	2732.2	418.6
4	1.01	-7.5	1.0	3926.33	172.76	86.38	0.15	24.0	150.4	3982.3	1315.3
5	1.01	-4.5	1.0	4577.67	201.42	100.71	0.15	24.0	473.0	4224.5	1355.0
6	1.01	-1.5	1.0	4960.29	218.25	109.13	0.15	24.0	754.4	4243.6	1356.7
7	1.01	1.5	1.0	5186.63	228.21	114.11	0.15	24.0	982.8	4170.9	1343.8
8	1.01	4.5	1.0	5321.91	234.16	117.08	0.15	24.0	1146.5	4084.5	1330.1

9	1.01	7.5	1.0	5328.08	234.44	117.22	0.15	24.0	1268.9	3923.1	1304.7
10	1.31	10.9	1.3	6649.64	292.58	146.29	0.15	24.0	1728.9	4696.7	1630.6
11	0.71	14.0	0.7	3424.88	150.69	75.35	0.15	24.0	939.5	2348.8	853.6
12	1.01	16.6	1.1	4776.5	210.17	105.08	0.15	24.0	1293.1	3273.9	1210.5
13	1.01	19.8	1.1	4775.17	210.11	105.05	0.15	24.0	1176.4	3378.3	1240.5
14	1.01	23.0	1.1	4551.2	200.25	100.13	0.15	24.0	1008.3	3320.6	1244.4
15	1.01	26.3	1.1	4664.29	205.23	102.61	0.15	24.0	772.5	3685.2	1326.6
16	1.01	29.6	1.2	4805.7	211.45	105.73	0.15	24.0	451.5	4191.6	1438.0
17	1.01	33.1	1.2	4142.64	182.28	91.14	0.15	24.0	61.9	3946.0	1420.7
18	1.01	36.8	1.3	3429.44	150.9	75.45	0.15	24.0	0.0	3283.5	1335.7
19	1.01	40.6	1.3	2485.41	109.36	54.68	0.0	21.0	0.0	2894.2	443.4
20	0.98	44.6	1.4	901.25	39.66	19.83	0.0	21.0	0.0	1100.0	168.5

xc = 57.353 yc = 26.273 Rc = 23.88 Fs=5.709

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.66	-37.1	0.8	409.52	18.02	9.01	0.0	21.0	6.4	532.9	35.8
2	1.01	-34.7	1.2	2183.68	96.08	48.04	0.15	24.0	761.3	2063.6	482.4
3	1.01	-31.8	1.2	4106.37	180.68	90.34	0.15	24.0	1604.4	3295.9	568.1
4	1.01	-29.0	1.2	5896.89	259.46	129.73	0.15	24.0	2377.9	4380.0	643.8
5	3.02	-23.7	3.3	27541.79	1211.84	605.92	1.4	27.0	0.0	34976.5	11203.3
6	5.03	-13.5	5.2	80133.79	3525.89	1762.94	1.4	27.0	0.0	87314.3	20479.9
7	1.01	-6.0	1.0	18558.32	816.57	408.28	1.4	27.0	0.0	19105.9	4186.5
8	2.01	-2.4	2.0	38605.08	1698.62	849.31	1.4	27.0	0.0	38995.0	8419.7
9	2.01	2.4	2.0	39722.98	1747.81	873.91	1.4	27.0	0.0	39401.5	8456.0
10	2.01	7.3	2.0	41029.87	1805.31	902.66	1.4	27.0	0.0	40269.4	8569.0
11	2.01	12.2	2.1	42162.17	1855.14	927.57	1.4	27.0	0.0	41248.8	8730.0
12	1.01	15.9	1.0	22436.46	987.2	493.6	1.4	27.0	0.0	22037.8	4532.5
13	2.01	19.7	2.1	44477.02	1956.99	978.49	1.4	27.0	0.0	43962.3	9166.0
14	1.61	24.4	1.8	35070.98	1543.12	771.56	1.4	27.0	0.0	35124.7	7465.4
15	1.41	28.4	1.6	28965.54	1274.48	637.24	1.4	27.0	0.0	29390.9	6557.0
16	1.01	31.8	1.2	19786.27	870.6	435.3	1.4	27.0	0.0	20353.6	4719.6
17	1.27	35.1	1.6	23344.08	1027.14	513.57	1.4	27.0	0.0	24322.7	5984.4
18	1.22	38.8	1.6	20016.77	880.74	440.37	1.4	27.0	0.0	21086.0	5725.3
19	0.68	41.8	0.9	10458.93	460.19	230.1	1.4	27.0	0.0	11133.2	3240.3
20	5.3	53.7	9.0	66681.99	2934.01	1467.0	1.4	27.0	0.0	73797.0	28534.8

xc = 60.36 yc = 27.865 Rc = 24.843 Fs=5.166

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.19	-37.7	0.2	40.32	1.77	0.89	0.0	21.0	0.0	54.0	4.0
2	1.01	-35.9	1.2	1388.19	61.08	30.54	0.0	21.0	0.0	1812.4	134.7
3	3.02	-30.5	3.5	14887.42	655.05	327.52	0.15	24.0	5005.9	12707.9	2112.3
4	4.02	-21.4	4.3	47390.39	2085.18	1042.59	1.4	27.0	0.057	750.6	17415.0
5	1.03	-15.2	1.1	5450.72	679.83	339.92	1.4	27.0	0.017	263.5	4604.2
6	0.98	-12.8	1.0	15559.28	684.61	342.3	1.4	27.0	0.016	956.7	4394.7
7	1.01	-10.5	1.0	16813.74	739.8	369.9	1.4	27.0	0.017	939.1	4542.7
8	3.02	-5.8	3.0	54273.99	2388.06	1194.03	1.4	27.0	0.055	948.4	13741.6
9	3.02	1.2	3.0	59816.42	2631.92	1315.96	1.4	27.0	0.059	538.1	14055.4
10	2.01	7.0	2.0	44528.32	1959.25	979.62	1.4	27.0	0.043	658.5	9801.4
11	2.01	11.7	2.1	45642.98	2008.29	1004.15	1.4	27.0	0.044	547.7	9964.1
12	1.01	15.3	1.0	23250.35	1023.02	511.51	1.4	27.0	0.022	718.1	5067.9
13	2.01	18.9	2.1	45135.38	1985.96	992.98	1.4	27.0	0.044	243.4	10130.6
14	2.28	24.3	2.5	49481.24	2177.18	1088.59	1.4	27.0	0.049	045.4	11613.6
15	1.22	28.8	1.4	24439.18	1075.32	537.66	1.4	27.0	0.024	483.0	6190.4
16	1.84	32.9	2.2	35767.73	1573.78	786.89	1.4	27.0	0.036	438.8	9527.9
17	1.85	38.2	2.4	31263.76	1375.61	687.8	1.4	27.0	0.032	238.1	9573.3
18	1.85	43.8	2.6	39527.89	1739.23	869.61	1.4	27.0	0.043	949.5	11305.7
19	1.85	50.2	2.9	35214.1	1549.42	774.71	1.4	27.0	0.040	742.6	11864.8
20	1.85	57.5	3.5	23769.85	1045.87	522.94	1.4	27.0	0.025	588.9	11874.4

xc = 63.368 yc = 26.273 Rc = 17.696 Fs=7.758

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	-31.2	0.3	42.88	1.89	0.94	0.0	21.0	0.0	51.7	2.6
2	1.01	-28.8	1.1	1025.98	45.14	22.57	0.0	21.0	0.0	1204.1	59.6
3	1.01	-25.2	1.1	2203.44	96.95	48.48	0.0	21.0	0.0	2492.8	123.3
4	1.01	-21.6	1.1	3214.14	141.42	70.71	0.15	24.0	156.3	3450.9	407.3
5	2.01	-16.5	2.1	8740.06	384.56	192.28	0.15	24.0	2031.9	7238.2	821.1
6	1.01	-11.4	1.0	5603.45	246.55	123.28	0.15	24.0	1728.4	4040.1	430.3
7	1.01	-8.1	1.0	6686.42	294.2	147.1	1.4	27.0	0.0	7081.4	2299.2
8	1.01	-4.8	1.0	7631.72	335.8	167.9	1.4	27.0	0.0	7856.2	2338.2
9	1.01	-1.6	1.0	8908.75	391.98	195.99	1.4	27.0	0.0	8977.6	2406.1
10	1.01	1.7	1.0	10220.62	449.71	224.85	1.4	27.0	0.0	10151.4	2483.3
11	1.01	5.0	1.0	10747.27	472.88	236.44	1.4	27.0	0.0	10569.2	2516.7
12	1.01	8.2	1.0	11260.6	495.47	247.73	1.4	27.0	0.0	11007.6	2557.7
13	1.01	11.6	1.0	11599.99	510.4	255.2	1.4	27.0	0.0	11309.2	2596.1
14	2.01	16.6	2.1	22234.29	978.31	489.15	1.4	27.0	0.0	21648.0	5211.6
15	1.01	21.8	1.1	10842.21	477.06	238.53	1.4	27.0	0.0	10615.7	2652.5
16	1.27	25.8	1.4	12762.66	561.56	280.78	1.4	27.0	0.0	12545.0	3375.2

17	1.22	30.4	1.4	10628.07	467.64	233.82	1.4	27.0	0.01	0421.9	3239.1
18	0.68	34.0	0.8	5534.1	243.5	121.75	1.4	27.0	0.0	5432.6	1843.8
19	0.82	37.0	1.0	6274.7	276.09	138.04	1.4	27.0	0.0	6161.8	2250.4
20	3.35	46.6	4.9	19691.24	866.41	433.21	1.4	27.0	0.01	8105.6	9977.2

xc = 66.376 yc = 27.865 Rc = 24.735 Fs=5.086

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.64	-41.5	0.9	473.45	20.83	10.42	0.0	21.0	0.0	677.3	51.1
2	1.01	-39.0	1.3	3054.51	134.4	67.2	0.0	21.0	2.2	4183.8	315.8
3	1.01	-36.1	1.2	5554.91	244.42	122.21	0.15	24.0	1007.66	6294.2	918.1
4	1.01	-33.2	1.2	7332.28	322.62	161.31	0.15	24.0	1922.87	107.0	976.9
5	1.01	-30.5	1.2	8902.11	391.69	195.85	1.4	27.0	0.01	2988.2	4515.0
6	1.01	-27.8	1.1	10552.08	464.29	232.15	1.4	27.0	0.01	4340.6	4568.1
7	1.01	-25.2	1.1	12074.35	531.27	265.64	1.4	27.0	0.01	5518.3	4615.8
8	3.02	-20.2	3.2	43896.76	1931.46	965.73	1.4	27.0	0.05	1941.7	14056.5
9	8.34	-6.7	8.4	183773.9	8086.05	4043.03	1.4	27.0	0.01	89983.7	42138.3
10	1.72	5.1	1.7	43367.73	1908.18	954.09	1.4	27.0	0.04	2734.6	9047.8
11	1.01	8.3	1.0	25774.59	1134.08	567.04	1.4	27.0	0.02	5270.9	5330.3
12	1.27	10.9	1.3	32554.8	1432.41	716.21	1.4	27.0	0.03	1851.0	6758.7
13	1.22	13.9	1.3	30714.31	1351.43	675.71	1.4	27.0	0.03	0039.3	6471.5
14	0.68	16.2	0.7	17308.59	761.58	380.79	1.4	27.0	0.01	6961.5	3656.5
15	0.82	18.0	0.9	20926.52	920.77	460.38	1.4	27.0	0.02	0566.0	4423.8
16	0.27	19.3	0.3	6824.15	300.26	150.13	1.4	27.0	0.0	6720.5	1457.4
17	9.03	32.1	10.7	256089.81	11267.95	5633.98	1.4	27.0	0.02	67110.05	6114.7
18	1.71	47.5	2.5	37519.4	1650.85	825.43	1.4	27.0	0.04	3194.4	11301.8
19	0.08	50.6	0.1	1324.76	58.29	29.14	1.4	27.0	0.0	1462.6	512.6
20	4.21	60.8	8.6	37639.31	1656.13	828.06	1.4	27.0	0.02	9367.9	26700.6

xc = 69.383 yc = 26.273 Rc = 11.764 Fs=4.473

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.36	-6.6	0.4	15.15	0.67	0.33	0.0	21.0	0.0	15.4	1.3
2	0.36	-4.9	0.4	39.73	1.75	0.87	0.0	21.0	0.0	40.2	3.4
3	0.36	-3.1	0.4	114.12	5.02	2.51	0.0	21.0	0.0	114.8	9.9
4	0.49	-1.0	0.5	271.47	11.94	5.97	0.0	21.0	0.0	271.9	23.3
5	0.23	0.8	0.2	166.02	7.3	3.65	0.0	21.0	0.0	165.8	14.2

6	0.36	2.2	0.4	301.0	13.24	6.62	0.0	21.0	0.0	300.2	25.8
7	0.41	4.1	0.4	392.21	17.26	8.63	0.0	21.0	0.0	390.8	33.5
8	0.31	5.9	0.3	312.87	13.77	6.88	0.0	21.0	0.0	311.8	26.8
9	0.36	7.5	0.4	344.02	15.14	7.57	0.0	21.0	0.0	343.1	29.4
10	0.36	9.3	0.4	318.41	14.01	7.0	0.0	21.0	0.0	318.2	27.3
11	0.23	10.8	0.2	185.8	8.18	4.09	0.0	21.0	0.0	186.1	16.0
12	0.49	12.6	0.5	333.5	14.67	7.34	0.15	24.0	0.0	297.1	199.6
13	0.36	14.8	0.4	174.57	7.68	3.84	0.15	24.0	0.0	143.6	140.2
14	0.36	16.6	0.4	105.8	4.66	2.33	0.15	24.0	0.0	70.5	134.0
15	0.36	18.5	0.4	156.39	6.88	3.44	0.15	24.0	0.0	118.0	140.3
16	0.32	20.2	0.3	277.1	12.19	6.1	0.15	24.0	0.0	244.3	138.4
17	0.41	22.1	0.4	384.06	16.9	8.45	0.0	21.0	0.0	400.6	34.4
18	0.41	24.3	0.4	277.64	12.22	6.11	0.0	21.0	0.0	293.2	25.2
19	0.32	26.2	0.4	145.22	6.39	3.19	0.0	21.0	0.0	155.3	13.3
20	0.36	28.1	0.4	66.53	2.93	1.46	0.0	21.0	0.0	72.1	6.2

xc = 72.391 yc = 27.865 Rc = 18.78 Fs=5.668

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.73	-33.5	0.9	410.41	18.06	9.03	0.0	21.0	0.0	515.5	34.9
2	1.01	-30.4	1.22	518.22	110.8	55.4	0.15	24.0	0.0	3251.5	564.2
3	1.01	-26.9	1.14	730.98	208.16	104.08	0.15	24.0	412.1	5202.7	707.3
4	1.01	-23.5	1.16	146.56	270.45	135.22	0.15	24.0	1116.6	5810.9	746.8
5	1.01	-20.2	1.17	835.96	344.78	172.39	1.4	27.0	0.0	9644.4	3515.2
6	1.01	-17.0	1.19	364.51	412.04	206.02	1.4	27.0	0.0	10882.5	3576.6
7	2.01	-12.2	2.12	1331.77	938.6	469.3	1.4	27.0	0.0	23384.0	7187.7
8	1.01	-7.5	1.01	2213.32	537.39	268.69	1.4	27.0	0.0	12803.4	3657.7
9	1.27	-4.0	1.31	6304.29	717.39	358.69	1.4	27.0	0.0	16673.2	4649.8
10	1.22	-0.2	1.21	6024.71	705.09	352.54	1.4	27.0	0.0	16042.7	4457.8
11	0.68	2.7	0.79	462.09	416.33	208.17	1.4	27.0	0.0	9354.2	2529.4
12	0.82	5.0	0.81	1882.51	522.83	261.42	1.4	27.0	0.0	11660.2	3072.7
13	0.27	6.6	0.3	3926.3	172.76	86.38	1.4	27.0	0.0	3835.0	1013.1
14	6.31	17.2	6.61	24980.15	499.12	2749.56	1.4	27.0	0.01	22372.8	27305.6
15	1.38	29.7	1.62	7659.17	1217.0	608.5	1.4	27.0	0.0	28160.0	6461.4
16	1.38	34.7	1.72	5180.95	1107.96	553.98	1.4	27.0	0.0	26129.4	6500.9
17	1.68	40.6	2.22	7208.56	1197.18	598.59	1.4	27.0	0.0	28945.2	8054.8
18	1.09	46.4	1.61	0278.81	452.27	226.13	1.4	27.0	0.0	9872.0	4795.8
19	1.38	52.3	2.38	660.32	381.05	190.53	1.4	27.0	0.0	6227.8	6131.8
20	1.38	59.9	2.83	121.59	137.35	68.67	0.15	24.0	0.0	4376.8	1074.0

xc = 75.399 yc = 26.273 Rc = 11.804 Fs=2.338

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.25	-18.9	0.3	21.97	0.97	0.48	0.0	21.0	0.0	24.6	4.0
2	0.73	-16.4	0.8	279.56	12.3	6.15	0.0	21.0	0.0	306.2	50.3
3	0.49	-13.3	0.5	342.78	15.08	7.54	0.15	24.0	0.0	449.5	410.6
4	0.68	-10.4	0.7	1091.6	48.03	24.02	0.15	24.0	0.0	1234.8	680.5
5	0.29	-8.0	0.3	695.64	30.61	15.3	0.15	24.0	0.0	748.7	327.6
6	0.53	-6.0	0.5	1376.95	60.59	30.29	0.15	24.0	0.0	1449.9	618.6
7	0.44	-3.7	0.4	1246.48	54.84	27.42	0.15	24.0	0.0	1282.8	529.3
8	0.49	-1.4	0.5	1400.99	61.64	30.82	0.15	24.0	0.0	1415.5	582.2
9	0.49	1.0	0.5	1405.41	61.84	30.92	0.15	24.0	0.0	1395.7	578.3
10	0.49	3.3	0.5	1390.75	61.19	30.6	0.15	24.0	0.0	1359.7	572.0
11	0.49	5.7	0.5	1355.35	59.64	29.82	0.15	24.0	0.0	1305.8	562.7
12	0.49	8.1	0.5	4352.6	191.51	95.76	0.15	24.0	0.0	4236.7	1122.4
13	0.49	10.5	0.5	6099.44	268.38	134.19	0.15	24.0	0.0	5935.0	1447.9
14	0.49	12.9	0.5	6006.37	264.28	132.14	0.15	24.0	3.7	5830.4	1430.8
15	0.49	15.4	0.5	5893.2	259.3	129.65	0.15	24.0	2.0	5721.1	1413.5
16	0.49	17.8	0.5	5759.26	253.41	126.7	0.15	24.0	0.0	5601.1	1394.8
17	0.49	20.3	0.5	5603.74	246.56	123.28	0.15	24.0	0.0	5466.8	1374.2
18	0.49	22.9	0.5	5424.41	238.67	119.34	0.15	24.0	0.0	5317.1	1351.6
19	0.49	25.5	0.5	5221.22	229.73	114.87	0.15	24.0	0.0	5151.1	1327.0
20	0.49	28.1	0.6	3992.71	175.68	87.84	0.15	24.0	0.0	3937.0	1104.0

xc = 78.406 yc = 27.865 Rc = 12.679 Fs=4.234

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.25	-18.9	0.3	24.65	1.08	0.54	0.0	21.0	0.0	26.9	2.4
2	0.27	-17.7	0.3	89.49	3.94	1.97	0.0	21.0	0.0	96.7	8.8
3	0.78	-15.2	0.8	532.77	23.44	11.72	0.15	24.0	0.0	648.7	355.9
4	0.43	-12.3	0.4	421.45	18.54	9.27	0.15	24.0	0.0	476.9	207.6
5	0.43	-10.3	0.4	494.99	21.78	10.89	0.15	24.0	0.0	542.1	213.4
6	0.43	-8.4	0.4	554.27	24.39	12.19	0.15	24.0	0.0	592.2	217.8
7	0.43	-6.4	0.4	2758.77	121.39	60.69	0.15	24.0	0.0	2826.4	452.0
8	0.43	-4.4	0.4	4978.3	219.05	109.52	0.15	24.0	0.0	5045.8	684.9
9	0.43	-2.4	0.4	5000.01	220.0	110.0	0.15	24.0	0.0	5033.6	683.3
10	0.43	-0.5	0.4	5009.4	220.41	110.21	0.15	24.0	0.0	5015.2	681.2
11	0.43	1.5	0.4	5006.5	220.29	110.14	0.15	24.0	0.0	4990.6	678.7
12	0.43	3.5	0.4	4991.3	219.62	109.81	0.15	24.0	0.0	4959.6	675.6
13	0.43	5.4	0.4	4963.55	218.4	109.2	0.15	24.0	0.0	4922.1	672.1

14	0.43	7.4	0.4	4922.55	216.59	108.3	0.15	24.0	0.0	4877.1	668.0
15	0.43	9.4	0.4	4869.03	214.24	107.12	0.15	24.0	22.3	4803.2	661.0
16	0.43	11.4	0.4	4802.56	211.31	105.66	0.15	24.0	34.4	4732.1	654.5
17	0.43	13.4	0.4	4723.13	207.82	103.91	0.15	24.0	39.6	4660.2	648.2
18	0.43	15.4	0.5	4630.36	203.74	101.87	0.15	24.0	42.9	4581.8	641.4
19	0.43	17.5	0.5	4523.88	199.05	99.53	0.15	24.0	33.8	4507.2	635.2
20	0.43	19.5	0.5	3407.04	149.91	74.95	0.0	21.0	17.3	3484.7	315.9

xc = 81.414 yc = 26.273 Rc = 23.727 Fs=7.706

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	-54.0	0.5	133.72	5.88	2.94	0.0	21.0	0.0	243.9	12.2
2	1.01	-51.4	1.6	2931.96	129.01	64.5	0.15	24.0	0.0	5487.3	630.8
3	1.01	-47.6	1.5	6343.39	279.11	139.55	0.15	24.0	1260.8	8392.2	775.5
4	1.01	-44.1	1.4	9373.85	412.45	206.22	1.4	27.0	0.0	16597.1	3644.4
5	1.01	-40.8	1.3	12287.69	540.66	270.33	1.4	27.0	0.0	19440.1	3701.4
6	3.02	-34.8	3.7	50839.39	2236.93	1118.47	1.4	27.0	0.0	69746.4	11288.9
7	7.43	-20.7	7.9	187751.38	261.06	4130.53	1.4	27.0	0.0	211459.3	28417.0
8	2.11	-8.5	2.1	82595.71	3634.21	1817.11	1.4	27.0	0.0	84927.7	9494.1
9	2.11	-3.4	2.1	85483.71	3761.28	1880.64	1.4	27.0	0.0	86190.0	9541.6
10	2.11	1.8	2.1	86025.2	3785.11	1892.55	1.4	27.0	0.0	85774.7	9509.4
11	2.25	7.0	2.3	92345.95	4063.22	2031.61	1.4	27.0	0.0	91790.0	10182.3
12	2.1	12.4	2.1	76774.48	3378.08	1689.04	1.4	27.0	0.0	76631.9	8966.6
13	2.01	17.5	2.1	71685.13	3154.15	1577.07	1.4	27.0	0.0	72446.3	8623.5
14	3.02	24.0	3.3	103615.04	559.06	2279.53	1.4	27.0	0.0	107608.5	13120.1
15	2.01	30.9	2.3	64873.8	2854.45	1427.22	1.4	27.0	0.0	70260.2	8905.0
16	2.01	36.7	2.5	58625.01	2579.5	1289.75	1.4	27.0	0.0	66470.6	8957.1
17	1.38	42.0	1.9	35810.45	1575.66	787.83	1.4	27.0	0.0	42618.7	6197.2
18	1.64	47.2	2.4	36907.21	1623.92	811.96	1.4	27.0	0.0	46272.9	7433.6
19	1.01	52.1	1.6	19157.35	842.92	421.46	1.4	27.0	0.0	25206.5	4639.6
20	3.69	64.4	8.5	38379.75	1688.71	844.35	1.4	27.0	0.0	49585.7	18809.0

xc = 84.422 yc = 27.865 Rc = 23.703 Fs=9.061

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.18	-53.7	0.3	44.19	1.94	0.97	0.0	21.0	0.0	79.2	3.4
2	1.01	-51.4	1.6	2157.21	94.92	47.46	0.0	21.0	0.0	3652.5	154.7

3	3.02	-44.4	4.22	2424.08	986.66	493.33	1.4	27.0	0.03	9931.6	8767.6
4	5.0	-32.1	5.98	1036.95	3565.63	1782.81	1.4	27.0	0.10	5077.2	15025.9
5	1.37	-23.1	1.52	9980.07	1319.12	659.56	1.4	27.0	0.03	4413.1	4229.3
6	2.11	-18.7	2.25	9087.43	2599.85	1299.92	1.4	27.0	0.06	4757.1	7086.9
7	2.11	-13.3	2.27	4574.96	3281.3	1640.65	1.4	27.0	0.07	8482.6	7768.1
8	2.11	-8.1	2.17	6923.45	3384.63	1692.32	1.4	27.0	0.07	8808.3	7729.1
9	2.11	-3.0	2.17	8533.24	3455.46	1727.73	1.4	27.0	0.07	9043.4	7713.6
10	1.2	1.0	1.24	5679.28	2009.89	1004.94	1.4	27.0	0.04	5608.2	4416.3
11	0.08	2.6	0.12	873.21	126.42	63.21	1.4	27.0	0.0	2863.0	291.6
12	1.01	3.9	1.03	4229.0	1506.08	753.04	1.4	27.0	0.03	4071.9	3474.1
13	3.02	8.8	3.11	01879.5	4482.7	2241.35	1.4	27.0	0.10	1479.2	10425.6
14	6.04	20.3	6.41	98621.5	8739.34	4369.67	1.4	27.0	0.02	03854.9	21408.1
15	2.01	30.9	2.35	7300.8	2521.24	1260.62	1.4	27.0	0.06	2526.2	7140.9
16	2.01	36.8	2.55	1123.3	2249.43	1124.71	1.4	27.0	0.05	8489.8	7172.6
17	2.01	43.2	2.84	3468.81	1912.63	956.31	1.4	27.0	0.05	2830.9	7235.4
18	2.01	50.3	3.23	3157.52	1458.93	729.47	1.4	27.0	0.04	3152.4	7298.6
19	1.73	58.1	3.31	8322.16	806.18	403.09	1.4	27.0	0.02	4336.8	6445.0
20	2.11	69.4	6.08	666.94	381.35	190.67	1.4	27.0	0.0	-18.3	9267.2

xc = 87.429 yc = 26.273 Rc = 15.982 Fs=16.724

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.35	-46.5	2.01	918.25	84.4	42.2	0.15	24.0	0.0	3055.3	256.9
2	1.35	-39.8	1.81	4250.73	627.03	313.52	1.4	27.0	0.02	0290.7	2087.1
3	1.35	-33.8	1.62	2169.05	975.44	487.72	1.4	27.0	0.02	8144.3	2214.6
4	1.35	-28.1	1.52	4838.11	1092.88	546.44	1.4	27.0	0.02	9319.4	2172.5
5	1.35	-22.7	1.52	6984.28	1187.31	593.65	1.4	27.0	0.03	0158.1	2142.3
6	1.35	-17.6	1.42	8679.55	1261.9	630.95	1.4	27.0	0.03	0758.6	2120.8
7	1.35	-12.6	1.43	0314.62	1333.84	666.92	1.4	27.0	0.03	1532.5	2116.8
8	0.81	-8.6	0.81	9440.72	855.39	427.7	1.4	27.0	0.01	9859.4	1294.9
9	0.08	-7.0	0.11	664.13	73.22	36.61	1.4	27.0	0.0	1691.7	122.8
10	1.01	-5.0	1.02	0027.29	881.2	440.6	1.4	27.0	0.02	0233.5	1462.0
11	1.01	-1.4	1.02	0272.96	892.01	446.01	1.4	27.0	0.02	0315.3	1461.5
12	2.01	4.0	2.04	0732.54	1792.23	896.12	1.4	27.0	0.04	0627.4	2926.5
13	1.01	9.5	1.02	0449.95	899.8	449.9	1.4	27.0	0.02	0485.4	1478.0
14	1.01	13.1	1.02	0389.28	897.13	448.56	1.4	27.0	0.02	0588.9	1492.2
15	1.01	16.9	1.12	0328.07	894.44	447.22	1.4	27.0	0.02	0783.5	1513.4
16	1.01	20.7	1.11	9884.97	874.94	437.47	1.4	27.0	0.02	0677.5	1530.3
17	1.01	24.6	1.11	8927.58	832.81	416.41	1.4	27.0	0.02	0112.1	1539.1
18	1.01	28.6	1.11	7758.21	781.36	390.68	1.4	27.0	0.01	9386.9	1550.3
19	1.01	32.8	1.21	6353.58	719.56	359.78	1.4	27.0	0.01	8454.3	1564.7
20	5.56	51.0	8.85	4796.9	2411.06	1205.53	1.4	27.0	0.07	5158.8	9685.0

xc = 90.437 yc = 27.865 Rc = 18.992 Fs=18.279

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.65	-47.6	2.55	671.64	249.55	124.78	0.15	24.0	0.08	871.0	417.4
2	1.65	-40.6	2.22	5396.04	1117.43	558.71	1.4	27.0	0.035	746.5	2665.3
3	1.65	-34.3	2.03	462.28	1340.34	670.17	1.4	27.0	0.038	663.4	2611.3
4	1.65	-28.5	1.93	4536.78	1519.62	759.81	1.4	27.0	0.040	677.3	2574.6
5	1.65	-22.9	1.83	7919.73	1668.47	834.23	1.4	27.0	0.042	244.8	2552.7
6	1.56	-17.7	1.63	9144.02	1722.34	861.17	1.4	27.0	0.041	868.9	2422.4
7	0.08	-15.1	0.11	835.03	80.74	40.37	1.4	27.0	0.01	933.5	120.9
8	1.01	-13.4	1.02	2251.61	979.07	489.54	1.4	27.0	0.023	220.6	1439.6
9	3.02	-7.3	3.07	6046.38	3082.04	1541.02	1.4	27.0	0.071	164.8	4314.5
10	3.02	1.9	3.07	3844.64	3249.16	1624.58	1.4	27.0	0.073	740.9	4368.8
11	2.01	9.5	2.04	9903.35	2195.75	1097.87	1.4	27.0	0.050	104.3	2959.5
12	1.01	14.2	1.02	4222.96	1065.81	532.91	1.4	27.0	0.024	609.1	1480.8
13	2.01	18.9	2.14	6317.34	2037.96	1018.98	1.4	27.0	0.047	951.9	2966.3
14	1.16	24.1	1.32	5133.68	1105.88	552.94	1.4	27.0	0.026	759.6	1722.5
15	0.85	27.4	1.01	7415.96	766.3	383.15	1.4	27.0	0.018	969.8	1260.9
16	1.01	30.7	1.21	9496.11	857.83	428.91	1.4	27.0	0.021	772.1	1502.7
17	1.01	34.3	1.21	7846.92	785.26	392.63	1.4	27.0	0.020	566.5	1505.7
18	1.01	38.0	1.31	6034.58	705.52	352.76	1.4	27.0	0.019	170.2	1512.6
19	1.01	42.0	1.41	4155.02	622.82	311.41	1.4	27.0	0.017	667.0	1529.3
20	5.05	59.0	9.83	9499.37	1737.97	868.99	1.4	27.0	0.061	318.4	9212.9

xc = 93.445 yc = 26.273 Rc = 16.44 Fs=19.765

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.45	-47.6	2.11	5956.3	702.08	351.04	1.4	27.0	0.026	043.1	2192.3
2	1.45	-40.5	1.92	1807.99	959.55	479.78	1.4	27.0	0.030	500.9	2135.9
3	1.93	-33.2	2.33	6089.0	1587.92	793.96	1.4	27.0	0.044	928.6	2790.8
4	1.09	-27.0	1.21	8522.4	814.99	407.49	1.4	27.0	0.021	512.4	1421.6
5	1.33	-22.4	1.42	4418.31	1074.41	537.2	1.4	27.0	0.027	110.3	1715.0
6	1.69	-16.8	1.83	3547.38	1476.09	738.04	1.4	27.0	0.035	695.0	2171.8
7	1.21	-11.6	1.22	5509.12	1122.4	561.2	1.4	27.0	0.026	354.4	1551.4
8	0.81	-8.0	0.81	7699.33	778.77	389.39	1.4	27.0	0.018	019.1	1041.1
9	1.01	-4.8	1.02	2845.18	1005.19	502.59	1.4	27.0	0.023	036.3	1309.1
10	1.01	-1.3	1.02	3317.63	1025.98	512.99	1.4	27.0	0.023	353.5	1314.9

11	1.01	2.2	1.023	312.41	1025.75	512.87	1.4	27.0	0.023	279.1	1313.3
12	1.01	5.7	1.023	147.67	1018.5	509.25	1.4	27.0	0.023	132.1	1312.6
13	1.01	9.3	1.022	820.27	1004.09	502.05	1.4	27.0	0.022	907.8	1312.6
14	3.02	16.5	3.165	283.83	2872.49	1436.24	1.4	27.0	0.066	926.2	3955.6
15	3.02	28.0	3.456	512.13	2486.53	1243.27	1.4	27.0	0.061	868.4	4016.4
16	1.17	36.5	1.518	273.42	804.03	402.02	1.4	27.0	0.021	559.9	1584.1
17	0.85	41.0	1.111	681.04	513.97	256.98	1.4	27.0	0.014	460.2	1165.9
18	1.01	45.4	1.412	264.45	539.64	269.82	1.4	27.0	0.016	026.4	1428.7
19	1.01	50.7	1.611	027.31	485.2	242.6	1.4	27.0	0.015	545.9	1526.0
20	2.94	66.3	7.321	073.4	927.23	463.61	1.4	27.0	0.038	407.2	6174.7

xc = 96.452 yc = 27.865 Rc = 10.814 Fs=20.00

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.18	-40.3	0.2	28.29	1.24	0.62	0.0	21.0	0.0	37.5	0.5
2	1.01	-36.4	1.21	199.98	52.8	26.4	0.0	21.0	0.01	504.1	19.2
3	1.01	-30.0	1.22	783.83	122.49	61.24	0.15	24.0	0.03	274.7	106.7
4	1.01	-24.0	1.14	255.87	187.26	93.63	0.15	24.0	92.74	610.8	123.5
5	0.45	-19.8	0.52	275.38	100.12	50.06	1.4	27.0	0.02	513.1	263.5
6	0.56	-17.0	0.63	086.26	135.8	67.9	1.4	27.0	0.03	327.9	330.2
7	1.01	-12.7	1.06	026.24	265.15	132.58	1.4	27.0	0.06	310.0	588.5
8	0.62	-8.3	0.63	908.92	171.99	86.0	1.4	27.0	0.04	002.8	358.9
9	0.39	-5.6	0.42	516.99	110.75	55.37	1.4	27.0	0.02	551.4	225.9
10	1.01	-1.9	1.06	598.39	290.33	145.16	1.4	27.0	0.06	621.6	582.3
11	1.01	3.4	1.06	556.11	288.47	144.23	1.4	27.0	0.06	533.1	581.3
12	0.51	7.5	0.53	241.95	142.65	71.32	1.4	27.0	0.03	231.0	295.0
13	0.73	10.8	0.74	479.66	197.11	98.55	1.4	27.0	0.04	479.8	421.9
14	0.77	14.9	0.84	494.59	197.76	98.88	1.4	27.0	0.04	530.6	450.8
15	1.01	19.8	1.15	226.29	229.96	114.98	1.4	27.0	0.05	342.9	589.9
16	0.4	23.8	0.41	807.69	79.54	39.77	1.4	27.0	0.01	871.1	237.6
17	0.6	26.8	0.72	266.02	99.7	49.85	1.4	27.0	0.02	359.1	355.1
18	1.01	31.7	1.22	699.39	118.77	59.39	1.4	27.0	0.02	802.6	599.5
19	0.58	36.7	0.7	939.24	41.33	20.66	0.15	24.0	217.5	864.4	48.7
20	0.73	41.2	1.0	457.47	20.13	10.06	0.0	21.0	0.0	601.3	7.7

xc = 99.46 yc = 26.273 Rc = 8.858 Fs=20.00

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.74	-45.0	1.0	522.94	23.01	11.5	0.0	21.0	0.0	749.5	9.6
2	1.01	-37.5	1.3	2083.65	91.68	45.84	0.0	21.0	0.0	2653.5	34.0
3	0.43	-31.8	0.5	1271.06	55.93	27.96	0.15	24.0	0.0	1525.0	47.9
4	0.58	-28.0	0.7	2008.72	88.38	44.19	0.15	24.0	34.8	2271.9	66.4
5	1.01	-22.4	1.1	4228.2	186.04	93.02	1.4	27.0	0.0	4816.5	589.7
6	0.59	-16.9	0.6	2869.53	126.26	63.13	1.4	27.0	0.0	3102.3	341.4
7	0.41	-13.5	0.4	2135.85	93.98	46.99	1.4	27.0	0.0	2253.5	237.1
8	1.04	-8.7	1.0	5702.22	250.9	125.45	1.4	27.0	0.0	5859.5	588.7
9	0.98	-2.2	1.0	5640.06	248.16	124.08	1.4	27.0	0.0	5665.2	552.1
10	0.47	2.5	0.5	2752.47	121.11	60.55	1.4	27.0	0.0	2743.3	268.1
11	0.53	5.8	0.5	3045.4	134.0	67.0	1.4	27.0	0.0	3030.5	301.0
12	1.01	10.8	1.0	5329.13	234.48	117.24	1.4	27.0	0.0	5317.0	568.4
13	0.64	16.3	0.7	2999.02	131.96	65.98	1.4	27.0	0.0	3018.9	361.2
14	0.37	19.7	0.4	1619.82	71.27	35.64	1.4	27.0	0.0	1645.1	210.7
15	1.01	24.6	1.1	3805.65	167.45	83.72	1.4	27.0	0.0	3917.7	582.8
16	1.01	32.0	1.2	2574.01	113.26	56.63	1.4	27.0	0.0	2660.6	598.7
17	0.52	37.9	0.7	831.49	36.59	18.29	0.15	24.0	288.3	655.5	42.7
18	0.49	42.2	0.7	555.12	24.43	12.21	0.15	24.0	93.3	585.8	41.5
19	0.96	49.1	1.5	821.3	36.14	18.07	0.0	21.0	0.0	1235.8	15.8
20	0.73	58.3	1.4	301.38	13.26	6.63	0.0	21.0	0.0	562.3	7.2

xc = 15.245 yc = 29.457 Rc = 27.157 Fs=1.415

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.66	-1.0	0.7	118.46	5.21	2.61	0.0	21.0	0.0	119.1	32.3
2	0.52	0.2	0.5	244.37	10.75	5.38	0.0	21.0	0.0	244.1	66.2
3	0.49	1.3	0.5	344.64	15.16	7.58	0.0	21.0	0.0	342.6	92.9
4	0.69	2.5	0.7	741.79	32.64	16.32	0.0	21.0	0.0	733.7	199.0
5	0.32	3.6	0.3	468.02	20.59	10.3	0.0	21.0	0.0	461.1	125.1
6	0.86	4.8	0.9	1306.76	57.5	28.75	0.0	21.0	38.7	1244.1	337.5
7	0.59	6.4	0.6	847.83	37.3	18.65	0.0	21.0	69.0	760.6	206.3
8	0.57	7.6	0.6	848.64	37.34	18.67	0.0	21.0	93.7	735.0	199.4
9	0.61	8.9	0.6	940.9	41.4	20.7	0.0	21.0	122.3	794.9	215.6
10	0.39	9.9	0.4	611.42	26.9	13.45	0.0	21.0	88.3	507.0	137.5
11	1.01	11.4	1.0	1789.44	78.74	39.37	0.0	21.0	236.4	1502.0	407.5
12	0.37	12.9	0.4	739.61	32.54	16.27	0.0	21.0	79.8	637.3	172.9
13	0.64	14.0	0.7	1348.51	59.33	29.67	0.0	21.0	131.4	1174.9	318.7
14	0.54	15.3	0.6	1121.66	49.35	24.68	0.0	21.0	91.5	994.2	269.7
15	0.47	16.4	0.5	921.55	40.55	20.27	0.0	21.0	63.4	828.4	224.7
16	0.71	17.7	0.7	1227.86	54.03	27.01	0.0	21.0	52.3	1135.6	308.1
17	0.3	18.8	0.3	441.77	19.44	9.72	0.0	21.0	1.0	426.2	115.6
18	1.01	20.3	1.1	1105.42	48.64	24.32	0.0	21.0	0.0	1071.1	290.6

19	0.46	21.9	0.5	282.27	12.42	6.21	0.0	21.0	0.0	274.3	74.4
20	0.59	23.1	0.6	133.76	5.89	2.94	0.0	21.0	0.0	130.3	35.4

xc = 18.253 yc = 31.048 Rc = 28.487 Fs=1.544

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	-4.7	0.3	31.24	1.37	0.69	0.0	21.0	0.0	32.0	8.0
2	1.01	-3.3	1.0	698.71	30.74	15.37	0.0	21.0	0.0	710.1	176.6
3	0.68	-1.6	0.7	813.43	35.79	17.9	0.0	21.0	0.0	819.5	203.8
4	0.67	-0.3	0.7	812.96	35.77	17.89	0.0	21.0	0.0	813.9	202.4
5	0.67	1.1	0.7	953.16	41.94	20.97	0.0	21.0	83.6	865.7	215.2
6	0.67	2.4	0.7	1077.57	47.41	23.71	0.0	21.0	165.7	903.2	224.6
7	0.34	3.4	0.3	587.31	25.84	12.92	0.0	21.0	107.7	473.4	117.7
8	1.01	4.8	1.0	2120.51	93.3	46.65	0.0	21.0	415.4	1676.2	416.7
9	0.65	6.5	0.7	1678.11	73.84	36.92	0.0	21.0	326.2	1323.3	329.0
10	0.35	7.5	0.4	966.98	42.55	21.27	0.0	21.0	191.0	757.9	188.4
11	1.01	8.9	1.0	2836.01	124.78	62.39	0.0	21.0	581.1	2197.0	546.2
12	0.64	10.5	0.7	1755.65	77.25	38.62	0.0	21.0	387.8	1329.8	330.6
13	0.36	11.6	0.4	947.44	41.69	20.84	0.0	21.0	222.7	703.9	175.0
14	1.01	13.0	1.0	2392.63	105.28	52.64	0.0	21.0	610.3	1729.9	430.1
15	0.63	14.7	0.7	1288.55	56.7	28.35	0.0	21.0	360.5	900.7	223.9
16	0.38	15.7	0.4	680.69	29.95	14.98	0.0	21.0	199.6	467.1	116.1
17	0.96	17.1	1.0	1391.69	61.23	30.62	0.0	21.0	445.5	919.6	228.6
18	0.67	18.8	0.7	654.62	28.8	14.4	0.0	21.0	245.9	398.1	99.0
19	0.39	20.0	0.4	259.2	11.4	5.7	0.0	21.0	112.8	142.9	35.5
20	0.94	21.4	1.0	122.44	5.39	2.69	0.0	21.0	0.0	119.8	29.8

xc = 21.261 yc = 29.457 Rc = 27.204 Fs=2.609

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.01	-9.9	1.0	615.81	27.1	13.55	0.0	21.0	0.0	641.5	94.4
2	1.04	-7.7	1.0	1389.81	61.15	30.58	0.0	21.0	0.0	1430.8	210.5
3	0.97	-5.5	1.0	1681.34	73.98	36.99	0.0	21.0	281.0	1427.3	210.0
4	1.01	-3.5	1.0	2211.68	97.31	48.66	0.0	21.0	572.7	1656.7	243.7
5	1.01	-1.3	1.0	2869.91	126.28	63.14	0.15	24.0	818.9	2073.3	932.4
6	1.01	0.8	1.0	3606.31	158.68	79.34	0.15	24.0	1027.7	2564.9	1016.1
7	1.01	2.9	1.0	4001.6	176.07	88.04	0.15	24.0	1199.0	2752.9	1048.9

8	1.01	5.0	1.0	4074.15	179.26	89.63	0.15	24.0	1332.7	2660.9	1034.7
9	1.01	7.2	1.0	3963.03	174.37	87.19	0.15	24.0	1440.6	2417.2	995.4
10	1.01	9.3	1.0	3741.81	164.64	82.32	0.15	24.0	1498.0	2118.5	947.6
11	1.22	11.7	1.2	4087.67	179.86	89.93	0.15	24.0	1837.6	2076.6	1069.0
12	0.79	13.9	0.8	2359.35	103.81	51.91	0.15	24.0	1179.7	1054.5	650.6
13	1.01	15.8	1.0	1229.59	54.1	27.05	0.15	24.0	0.0	1056.6	781.5
14	1.01	18.0	1.1	2618.69	115.22	57.61	0.15	24.0	1328.9	1097.4	795.6
15	1.01	20.3	1.1	3599.44	158.38	79.19	0.15	24.0	1182.5	2209.5	993.7
16	1.01	22.6	1.1	4224.04	185.86	92.93	0.15	24.0	965.4	3052.1	1147.1
17	1.01	24.9	1.1	3734.47	164.32	82.16	0.0	21.0	700.6	3130.5	460.5
18	1.01	27.2	1.1	2930.74	128.95	64.48	0.0	21.0	373.8	2673.3	393.3
19	1.01	29.6	1.2	1926.01	84.74	42.37	0.0	21.0	5.5	2039.0	300.0
20	1.4	32.6	1.7	1035.76	45.57	22.79	0.0	21.0	0.0	1123.8	165.3

xc = 24.268 yc = 31.048 Rc = 28.241 Fs=2.728

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.32	-10.8	0.3	35.49	1.56	0.78	0.0	21.0	0.0	37.1	5.2
2	1.01	-9.5	1.0	553.52	24.35	12.18	0.0	21.0	0.0	574.7	80.9
3	1.01	-7.4	1.0	1408.5	61.97	30.99	0.0	21.0	30.5	1415.5	199.2
4	1.01	-5.4	1.0	2334.63	102.72	51.36	0.0	21.0	347.7	2022.4	284.5
5	1.01	-3.3	1.0	2923.22	128.62	64.31	0.0	21.0	628.2	2317.7	326.1
6	1.01	-1.3	1.0	3199.8	140.79	70.4	0.15	24.0	872.6	2348.5	936.6
7	1.01	0.8	1.0	3302.23	145.3	72.65	0.15	24.0	1092.8	2197.3	911.8
8	1.01	2.8	1.0	3298.85	145.15	72.57	0.15	24.0	1264.9	1993.1	879.1
9	2.01	5.9	2.0	6226.84	273.98	136.99	0.15	24.0	2922.2	3154.2	1627.1
10	1.01	9.0	1.0	1346.3	59.24	29.62	0.15	24.0	0.0	1242.4	762.8
11	1.01	11.1	1.0	3110.71	136.87	68.44	0.15	24.0	1587.9	1397.0	791.6
12	1.01	13.1	1.0	4347.38	191.28	95.64	0.15	24.0	1576.2	2613.5	994.6
13	1.01	15.2	1.0	5239.91	230.56	115.28	0.15	24.0	1500.0	3561.6	1154.6
14	1.01	17.4	1.1	5031.34	221.38	110.69	0.15	24.0	1383.7	3463.8	1144.9
15	1.01	19.5	1.1	4511.24	198.49	99.25	0.15	24.0	1213.9	3110.4	1094.6
16	1.01	21.7	1.1	3806.87	167.5	83.75	0.15	24.0	1013.0	2601.1	1019.9
17	1.01	23.9	1.1	3137.94	138.07	69.03	0.15	24.0	767.0	2168.3	959.1
18	1.01	26.2	1.1	2424.43	106.67	53.34	0.0	21.0	473.8	2033.0	286.0
19	0.95	28.4	1.1	1467.64	64.58	32.29	0.0	21.0	126.0	1417.5	199.4
20	1.02	30.7	1.2	547.64	24.1	12.05	0.0	21.0	0.0	587.9	82.7

xc = 30.284 yc = 31.048 Rc = 27.995 Fs=2.716

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.13	-17.1	0.1	10.49	0.46	0.23	0.0	21.0	0.0	11.5	1.6
2	1.01	-15.8	1.0	572.73	25.2	12.6	0.0	21.0	0.0	620.2	87.6
3	1.01	-13.7	1.0	1262.41	55.55	27.77	0.0	21.0	0.0	1345.9	190.2
4	1.01	-11.6	1.0	1766.95	77.75	38.87	0.0	21.0	272.1	1571.7	222.1
5	1.01	-9.5	1.0	2162.61	95.15	47.58	0.0	21.0	664.7	1555.6	219.8
6	2.01	-6.4	2.0	5191.86	228.44	114.22	0.15	24.0	2377.4	3012.7	1611.9
7	1.01	-3.3	1.0	1395.31	61.39	30.7	0.15	24.0	0.0	1443.2	793.1
8	1.01	-1.2	1.0	3629.87	159.71	79.86	0.15	24.0	1861.1	1787.4	848.7
9	1.01	0.8	1.0	5285.53	232.56	116.28	0.15	24.0	2069.9	3200.3	1080.2
10	1.01	2.9	1.0	6602.14	290.49	145.25	0.15	24.0	2217.0	4326.8	1265.5
11	1.01	5.0	1.0	6824.56	300.28	150.14	0.15	24.0	2327.5	4403.0	1279.3
12	1.01	7.0	1.0	6744.39	296.75	148.38	0.15	24.0	2389.2	4233.6	1253.7
13	1.01	9.1	1.0	6491.11	285.61	142.8	0.15	24.0	2425.7	3924.0	1205.8
14	1.01	11.2	1.0	6286.94	276.63	138.31	0.15	24.0	2424.4	3705.2	1173.7
15	3.02	15.5	3.1	16887.46	743.05	371.52	0.15	24.0	6879.3	9476.1	3282.4
16	3.25	22.3	3.5	12618.92	555.23	277.62	0.15	24.0	5716.4	6245.9	2962.3
17	0.78	26.7	0.9	2200.47	96.82	48.41	0.15	24.0	922.2	1099.0	659.6
18	1.01	28.8	1.1	2410.11	106.05	53.02	0.15	24.0	880.5	1281.5	844.1
19	1.01	31.2	1.2	1962.88	86.37	43.18	0.15	24.0	476.2	1223.3	849.9
20	2.33	35.3	2.9	2239.37	98.53	49.27	0.0	21.0	0.0	2494.6	352.5

xc = 36.299 yc = 31.048 Rc = 27.749 Fs=2.095

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.36	-17.4	0.4	42.13	1.85	0.93	0.0	21.0	1.4	45.2	8.3
2	1.01	-15.9	1.0	267.96	11.79	5.9	0.0	21.0	0.0	294.1	53.9
3	1.01	-13.8	1.0	1642.16	72.26	36.13	0.15	24.0	815.0	1090.9	973.6
4	1.01	-11.7	1.0	3725.63	163.93	81.96	0.15	24.0	1248.9	2803.9	1331.5
5	1.01	-9.6	1.0	5464.91	240.46	120.23	0.15	24.0	1618.5	4172.7	1617.3
6	1.01	-7.5	1.0	6106.68	268.69	134.35	0.15	24.0	1949.7	4410.0	1663.7
7	1.01	-5.4	1.0	6444.23	283.55	141.77	0.15	24.0	2231.3	4386.9	1655.9
8	1.01	-3.3	1.0	6608.72	290.78	145.39	0.15	24.0	2487.6	4220.5	1618.5
9	1.01	-1.2	1.0	6824.05	300.26	150.13	0.15	24.0	2707.1	4151.4	1602.8
10	3.02	3.0	3.0	21052.2	926.3	463.15	0.15	24.0	9071.3	11755.5	4662.4
11	4.04	10.3	4.1	26837.82	1180.86	590.43	0.15	24.0	12991.6	13033.3	5711.0
12	0.99	15.6	1.0	6491.89	285.64	142.82	0.15	24.0	3044.6	3184.4	1412.5
13	1.01	17.8	1.1	6685.94	294.18	147.09	0.15	24.0	2962.0	3434.0	1486.4
14	1.01	20.0	1.1	6690.69	294.39	147.2	0.15	24.0	2795.7	3588.5	1529.2
15	1.01	22.2	1.1	6620.61	291.31	145.65	0.15	24.0	2585.1	3718.6	1568.4

16	2.01	25.6	2.2	11497.81	505.9	252.95	0.15	24.0	4351.1	6497.4	2979.0
17	1.01	29.1	1.2	5407.29	237.92	118.96	0.15	24.0	1653.2	3431.6	1554.0
18	1.01	31.5	1.2	5428.49	238.85	119.43	0.15	24.0	1253.0	3875.0	1668.8
19	1.01	34.0	1.2	5215.95	229.5	114.75	0.15	24.0	829.2	4115.5	1743.7
20	3.62	40.2	4.7	9599.78	422.39	211.2	0.0	21.0	0.0	10879.4	1993.4

xc = 39.307 yc = 29.457 Rc = 26.665 Fs=5.918

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.93	-21.1	1.0	730.91	32.16	16.08	0.0	21.0	322.3	449.1	29.1
2	1.01	-18.9	1.1	3054.65	134.4	67.2	0.15	24.0	895.8	2436.0	452.8
3	1.01	-16.6	1.0	5048.37	222.13	111.06	0.15	24.0	1399.2	3976.1	565.3
4	1.01	-14.3	1.0	5934.85	261.13	130.57	0.15	24.0	1859.2	4358.0	591.1
5	1.01	-12.1	1.0	6508.8	286.39	143.19	0.15	24.0	2265.2	4468.7	597.1
6	1.01	-9.9	1.0	6902.69	303.72	151.86	0.15	24.0	2642.3	4428.6	592.1
7	1.01	-7.7	1.0	7341.56	323.03	161.51	0.15	24.0	2979.4	4482.9	594.7
8	3.02	-3.4	3.0	23905.59	1051.85	525.92	0.15	24.0	10573.1	13461.3	1779.3
9	4.02	4.2	4.0	34706.87	1527.1	763.55	1.4	27.0	0.0	33885.2	12465.0
10	1.01	9.6	1.0	9231.6	406.19	203.1	1.4	27.0	0.0	8824.8	3174.3
11	2.01	13.0	2.1	19452.66	855.92	427.96	1.4	27.0	0.0	18471.2	6475.6
12	1.01	16.3	1.0	9904.83	435.81	217.91	1.4	27.0	0.0	9358.8	3285.9
13	2.01	19.7	2.1	18639.45	820.14	410.07	1.4	27.0	0.0	17449.3	6559.9
14	1.01	23.2	1.1	9241.88	406.64	203.32	1.4	27.0	0.0	8626.6	3332.5
15	2.01	26.8	2.3	19429.48	854.9	427.45	1.4	27.0	0.0	18278.2	6907.3
16	1.01	30.5	1.2	8669.96	381.48	190.74	0.15	24.0	2626.9	6547.4	788.5
17	2.01	34.3	2.4	14346.72	631.26	315.63	0.15	24.0	3999.3	11517.9	1484.4
18	1.01	38.3	1.3	5460.35	240.26	120.13	0.15	24.0	1219.4	4860.7	690.9
19	1.38	41.7	1.9	5232.17	230.22	115.11	0.15	24.0	652.1	5357.2	873.0
20	1.5	46.0	2.2	1971.9	86.76	43.38	0.0	21.0	0.0	2661.0	172.6

xc = 42.314 yc = 31.048 Rc = 27.503 Fs=7.465

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.35	-24.3	0.4	189.51	8.34	4.17	0.0	21.0	0.0	212.8	10.9
2	1.01	-22.7	1.1	1709.04	75.2	37.6	0.0	21.0	0.0	1893.6	97.4
3	1.01	-20.5	1.1	2794.43	122.95	61.48	0.0	21.0	192.5	2831.5	145.6
4	1.01	-18.2	1.1	3565.12	156.87	78.43	0.15	24.0	715.9	3131.7	399.7

5	1.01	-16.0	1.04	177.62	183.82	91.91	0.15	24.0	1208.1	3205.4		401.6
6	1.01	-13.9	1.04	831.76	212.6	106.3	0.15	24.0	1658.5	3369.8		409.3
7	3.02	-9.6	3.11	7649.86	776.59	388.3	0.15	24.0	7280.6	10729.2		1255.2
8	5.03	-1.2	5.03	6392.8	1601.28	800.64	1.4	27.0	0.0	36643.6		11938.9
9	2.01	6.2	2.01	8361.47	807.9	403.95	1.4	27.0	0.0	17924.7		5019.9
10	1.01	9.4	1.09	793.37	430.91	215.45	1.4	27.0	0.0	9503.3		2561.3
11	2.01	12.6	2.11	9333.04	850.65	425.33	1.4	27.0	0.0	18661.5		5140.8
12	1.13	15.9	1.21	1291.86	496.84	248.42	1.4	27.0	0.0	10903.2		2941.8
13	0.89	18.1	0.9	9391.3	413.22	206.61	1.4	27.0	0.0	9106.0		2369.6
14	1.01	20.2	1.11	0946.55	481.65	240.82	1.4	27.0	0.0	10656.8		2738.5
15	1.01	22.5	1.11	0611.86	466.92	233.46	1.4	27.0	0.0	10347.0		2748.5
16	1.01	24.8	1.11	0001.7	440.07	220.04	1.4	27.0	0.0	9748.8		2743.6
17	1.01	27.1	1.1	9221.78	405.76	202.88	1.4	27.0	0.0	8961.1		2731.4
18	1.01	29.5	1.2	8330.39	366.54	183.27	1.4	27.0	0.0	8033.7		2716.0
19	1.01	31.9	1.27	281.87	320.4	160.2	1.4	27.0	0.0	6900.6		2694.1
20	6.13	41.7	8.21	9442.11	855.45	427.73	0.15	24.0	2572.4	20066.7		2849.1

xc = 45.322 yc = 29.457 Rc = 20.381 Fs=0.942

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.1	11.1	0.1	2.08	0.09	0.05	0.0	21.0	0.0	2.0	0.8
2	0.43	11.9	0.4	44.49	1.96	0.98	0.0	21.0	0.0	41.9	17.1
3	0.27	12.9	0.3	50.92	2.24	1.12	0.0	21.0	0.0	47.8	19.5
4	0.31	13.7	0.3	79.43	3.5	1.75	0.0	21.0	0.0	74.4	30.3
5	0.22	14.5	0.2	90.46	3.98	1.99	0.0	21.0	0.0	84.5	34.4
6	0.27	15.2	0.3	178.92	7.87	3.94	0.0	21.0	0.0	166.9	68.0
7	0.27	16.0	0.3	253.74	11.16	5.58	0.0	21.0	0.0	236.4	96.3
8	0.26	16.7	0.3	313.96	13.81	6.91	0.0	21.0	0.0	292.1	119.0
9	0.27	17.5	0.3	366.81	16.14	8.07	0.0	21.0	0.0	340.8	138.9
10	0.27	18.3	0.3	341.85	15.04	7.52	0.0	21.0	0.0	317.3	129.3
11	0.27	19.1	0.3	327.58	14.41	7.21	0.0	21.0	0.0	303.8	123.8
12	0.2	19.8	0.2	238.68	10.5	5.25	0.0	21.0	0.0	221.2	90.2
13	0.33	20.6	0.4	366.68	16.13	8.07	0.0	21.0	0.0	339.7	138.4
14	0.27	21.5	0.3	274.9	12.1	6.05	0.0	21.0	0.0	254.6	103.7
15	0.27	22.3	0.3	253.74	11.16	5.58	0.0	21.0	0.0	235.0	95.8
16	0.15	22.9	0.2	131.68	5.79	2.9	0.0	21.0	0.0	122.0	49.7
17	0.38	23.7	0.4	278.35	12.25	6.12	0.0	21.0	0.0	257.9	105.1
18	0.27	24.7	0.3	129.67	5.71	2.85	0.0	21.0	0.0	120.2	49.0
19	0.27	25.5	0.3	75.2	3.31	1.65	0.0	21.0	0.0	69.8	28.4
20	0.27	26.4	0.3	20.86	0.92	0.46	0.0	21.0	0.0	19.4	7.9

xc = 48.33 yc = 31.048 Rc = 27.258 Fs=5.733

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.56	-27.0	0.6	178.61	7.86	3.93	0.0	21.0	0.0	207.6	13.9
2	1.01	-25.2	1.1	1157.56	50.93	25.47	0.0	21.0	0.0	1321.0	88.4
3	2.01	-21.8	2.2	4895.97	215.42	107.71	0.15	24.0	142	4.3	4090.9	884.6
4	1.01	-18.4	1.1	3600.12	158.41	79.2	0.15	24.0	153	0.2	2333.2	458.6
5	1.01	-16.1	1.0	4376.17	192.55	96.28	0.15	24.0	201	2.5	2598.5	475.9
6	1.01	-14.0	1.0	5202.37	228.9	114.45	0.15	24.0	246	4.7	2945.3	500.0
7	1.01	-11.8	1.0	6016.02	264.71	132.35	0.15	24.0	287	5.9	3317.7	526.6
8	1.01	-9.6	1.0	6901.43	303.66	151.83	1.4	27.0	0.0	7536.9	3162.1
9	1.01	-7.5	1.0	8009.35	352.41	176.21	1.4	27.0	0.0	8503.8	3234.1
10	1.01	-5.4	1.0	9029.08	397.28	198.64	1.4	27.0	0.0	9378.9	3301.5
11	3.02	-1.1	3.0	31669.52	1393.46	696.73	1.4	27.0	0.03	1876.7	10206.0
12	8.05	10.7	8.2	112772.0	4961.97	2480.99	1.4	27.0	0.01	09156.4	29705.7
13	0.91	20.4	1.0	11511.39	506.5	253.25	1.4	27.0	0.0	11030.4	3363.0
14	1.1	22.6	1.2	13088.06	575.87	287.94	1.4	27.0	0.0	12505.9	4015.5
15	1.01	25.0	1.1	11459.15	504.2	252.1	1.4	27.0	0.0	10927.4	3683.4
16	1.01	27.4	1.1	10096.03	488.23	244.11	1.4	27.0	0.0	10576.4	3707.8
17	1.01	29.8	1.2	10507.72	462.34	231.17	1.4	27.0	0.0	9979.7	3719.0
18	1.01	32.3	1.2	10253.34	451.15	225.57	1.4	27.0	0.0	9744.9	3772.7
19	1.01	34.8	1.2	10024.02	441.06	220.53	1.4	27.0	0.0	9539.0	3841.1
20	6.04	45.2	8.6	34303.75	1509.37	754.68	0.15	24.0	438	3.13	7266.1	5135.4

xc = 51.337 yc = 29.457 Rc = 19.889 Fs=1.653

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.61	-3.8	0.6	146.46	6.44	3.22	0.0	21.0	0.0	149.1	34.6
2	0.59	-2.1	0.6	570.89	25.12	12.56	0.0	21.0	0.0	576.2	133.8
3	0.42	-0.7	0.4	741.75	32.64	16.32	0.0	21.0	0.0	743.8	172.7
4	1.01	1.4	1.0	2332.08	102.61	51.31	0.0	21.0	0.0	2319.7	538.7
5	0.37	3.4	0.4	951.28	41.86	20.93	0.0	21.0	0.0	940.1	218.3
6	0.63	4.8	0.6	1722.63	75.8	37.9	0.0	21.0	0.0	1695.5	393.7
7	0.56	6.6	0.6	1554.53	68.4	34.2	0.0	21.0	0.0	1524.1	353.9
8	0.45	8.0	0.4	1200.67	52.83	26.41	0.0	21.0	0.0	1174.1	272.6
9	1.01	10.1	1.0	2686.73	118.22	59.11	0.0	21.0	0.0	2620.5	608.5
10	0.34	12.1	0.3	893.27	39.3	19.65	0.0	21.0	0.0	870.2	202.1
11	0.66	13.6	0.7	1629.03	71.68	35.84	0.0	21.0	0.0	1586.9	368.5
12	0.53	15.4	0.6	1210.89	53.28	26.64	0.0	21.0	0.0	1180.5	274.1

13	0.47	16.9	0.5	1018.86	44.83	22.41	0.0	21.0	0.0	994.7	231.0
14	0.72	18.7	0.8	1339.56	58.94	29.47	0.0	21.0	0.0	1311.2	304.5
15	0.6	20.7	0.6	851.28	37.46	18.73	0.0	21.0	0.0	836.7	194.3
16	0.69	22.7	0.8	764.59	33.64	16.82	0.0	21.0	0.0	755.5	175.4
17	0.5	24.6	0.6	414.66	18.24	9.12	0.0	21.0	0.0	412.2	95.7
18	0.5	26.2	0.6	319.28	14.05	7.02	0.0	21.0	0.0	319.4	74.2
19	0.69	28.1	0.8	303.61	13.36	6.68	0.0	21.0	0.0	306.3	71.1
20	0.6	30.3	0.7	140.28	6.17	3.09	0.0	21.0	0.0	143.0	33.2

xc = 54.345 yc = 31.048 Rc = 20.883 Fs=1.439

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.32	-8.8	0.3	96.83	4.26	2.13	0.0	21.0	0.0	102.2	27.3
2	1.01	-7.0	1.0	943.66	41.52	20.76	0.0	21.0	0.0	982.6	262.2
3	1.01	-4.2	1.0	1563.49	68.79	34.4	0.0	21.0	0.0	1598.8	426.6
4	1.01	-1.4	1.0	1924.8	84.69	42.35	0.0	21.0	0.0	1938.1	517.2
5	1.01	1.3	1.0	2139.86	94.15	47.08	0.0	21.0	0.0	2127.1	567.6
6	0.51	3.4	0.5	1153.91	50.77	25.39	0.0	21.0	0.0	1137.8	303.6
7	0.5	4.8	0.5	1117.13	49.15	24.58	0.0	21.0	0.0	1096.4	292.6
8	1.01	6.9	1.0	2288.96	100.71	50.36	0.0	21.0	0.0	2233.6	596.0
9	0.93	9.6	0.9	1995.02	87.78	43.89	0.0	21.0	0.0	1936.1	516.6
10	1.09	12.4	1.1	2070.3	91.09	45.55	0.0	21.0	0.0	2002.3	534.3
11	0.53	14.7	0.5	961.23	42.29	21.15	0.0	21.0	0.0	928.7	247.8
12	0.47	16.1	0.5	853.97	37.57	18.79	0.0	21.0	0.0	825.3	220.2
13	1.01	18.2	1.1	1867.94	82.19	41.09	0.0	21.0	0.0	1807.8	482.4
14	1.01	21.2	1.1	1709.78	75.23	37.62	0.0	21.0	0.0	1661.7	443.4
15	1.01	24.2	1.1	1905.61	83.85	41.92	0.0	21.0	0.0	1865.2	497.7
16	0.55	26.5	0.6	1222.77	53.8	26.9	0.0	21.0	0.0	1205.9	321.8
17	0.45	28.1	0.5	923.28	40.62	20.31	0.0	21.0	0.0	916.0	244.4
18	1.01	30.4	1.2	1614.44	71.04	35.52	0.0	21.0	0.0	1618.2	431.8
19	0.97	33.6	1.2	1027.09	45.19	22.6	0.0	21.0	0.0	1047.2	279.4
20	0.81	36.5	1.0	370.09	16.28	8.14	0.0	21.0	0.0	384.6	102.6

xc = 57.353 yc = 29.457 Rc = 19.55 Fs=2.764

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.73	-16.0	0.8	258.85	11.39	5.69	0.0	21.0	0.0	280.5	38.9

2	1.01	-13.4	1.01159.61	51.02	25.51	0.0	21.0	0.0	1232.8	171.2
3	1.01	-10.4	1.01823.72	80.24	40.12	0.0	21.0	0.0	1902.5	264.2
4	1.01	-7.4	1.0 2330.6	102.55	51.27	0.0	21.0	0.0	2393.3	332.3
5	1.01	-4.4	1.0 2747.9	120.91	60.45	0.0	21.0	0.0	2786.1	386.9
6	1.01	-1.5	1.03040.48	133.78	66.89	0.15	24.0	64.9	3003.1	1029.8
7	0.9	1.3	0.92872.42	126.39	63.19	0.15	24.0	253.6	2598.4	909.5
8	1.11	4.3	1.13550.86	156.24	78.12	0.15	24.0	493.7	2984.7	1083.4
9	1.01	7.4	1.03420.91	150.52	75.26	0.15	24.0	579.7	2736.4	991.3
10	1.01	10.4	1.03750.93	165.04	82.52	0.15	24.0	637.3	2976.0	1034.3
11	1.01	13.4	1.03874.59	170.48	85.24	0.15	24.0	652.2	3061.5	1054.3
12	1.01	16.4	1.04356.27	191.68	95.84	0.15	24.0	610.4	3568.0	1143.9
13	1.01	19.6	1.14893.13	215.3	107.65	0.15	24.0	497.5	4217.6	1258.6
14	0.53	21.9	0.62489.68	109.55	54.77	0.15	24.0	201.6	2200.0	662.2
15	0.48	23.5	0.52166.44	95.32	47.66	0.15	24.0	134.1	1955.9	599.1
16	1.01	26.0	1.14421.68	194.55	97.28	0.15	24.0	104.6	4178.3	1280.1
17	1.01	29.3	1.2 4009.7	176.43	88.21	0.15	24.0	0.0	3894.4	1253.2
18	1.32	33.3	1.63690.32	162.37	81.19	0.15	24.0	0.0	3485.1	1415.6
19	0.7	36.9	0.91249.67	54.99	27.49	0.15	24.0	0.0	1077.8	645.7
20	1.21	40.5	1.6 973.93	42.85	21.43	0.0	21.0	0.0	1144.6	158.9

xc = 60.36 yc = 31.048 Rc = 21.374 Fs=6.891

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.53	-20.0	0.6 156.22	6.87	3.44	0.0	21.0	0.0	169.6	9.4
2	1.01	-17.8	1.1 949.63	41.78	20.89	0.0	21.0	0.0	1015.5	56.6
3	1.01	-15.0	1.01714.29	75.43	37.71	0.0	21.0	0.0	1801.5	100.4
4	1.01	-12.2	1.02390.38	105.18	52.59	0.0	21.0	0.0	2475.5	137.9
5	1.01	-9.5	1.02944.06	129.54	64.77	0.0	21.0	13.1	2999.2	167.1
6	2.01	-5.4	2.06956.34	306.08	153.04	0.15	24.0	1093.1	5966.9	825.5
7	1.01	-1.3	1.04164.86	183.25	91.63	0.15	24.0	971.2	3204.3	426.1
8	1.01	1.4	1.04794.59	210.96	105.48	0.15	24.0	1186.6	3598.2	451.6
9	1.01	4.1	1.0 5231.4	230.18	115.09	0.15	24.0	1366.3	3841.6	467.8
10	1.01	6.8	1.06042.56	265.87	132.94	0.15	24.0	1497.9	4515.7	512.3
11	1.01	9.5	1.07021.11	308.93	154.46	1.4	27.0	0.0	6688.7	2567.3
12	1.01	12.3	1.07235.48	318.36	159.18	1.4	27.0	0.0	6839.8	2597.7
13	1.01	15.0	1.07452.99	327.93	163.97	1.4	27.0	0.0	7009.3	2635.0
14	1.01	17.9	1.17511.48	330.51	165.25	1.4	27.0	0.0	7032.3	2667.6
15	2.01	22.2	2.213265.4	583.68	291.84	1.4	27.0	0.0	12158.9	5314.3
16	1.01	26.6	1.15989.99	263.56	131.78	1.4	27.0	0.0	5355.9	2682.3
17	1.27	30.1	1.56297.08	277.07	138.54	1.4	27.0	0.0	5318.6	3381.3
18	1.22	34.0	1.54222.93	185.81	92.9	0.15	24.0	68.9	4595.5	617.6
19	0.68	37.2	0.91938.06	85.27	42.64	0.15	24.0	0.0	2183.5	327.6
20	1.93	41.8	2.63191.91	140.44	70.22	0.15	24.0	0.0	3571.6	792.7

xc = 63.368 yc = 29.457 Rc = 20.042 Fs=6.15

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	-24.4	0.6	149.86	6.59	3.3	0.0	21.0	0.0	169.4	10.6
2	1.01	-22.1	1.1	1042.17	45.86	22.93	0.0	21.0	0.0	1153.7	72.0
3	1.01	-19.0	1.1	1938.52	85.29	42.65	0.0	21.0	0.0	2095.1	130.8
4	2.01	-14.5	2.1	5874.32	258.47	129.23	0.15	24.0	523.6	5765.6	924.4
5	1.01	-10.1	1.0	4082.43	179.63	89.81	0.15	24.0	927.8	3290.4	487.4
6	1.01	-7.2	1.0	5004.14	220.18	110.09	0.15	24.0	1296.9	3801.9	522.6
7	1.01	-4.3	1.0	5724.67	251.89	125.94	0.15	24.0	1625.9	4150.8	546.6
8	1.01	-1.4	1.0	6973.0	306.81	153.41	1.4	27.0	0.0	7044.2	2874.8
9	1.01	1.5	1.0	8285.2	364.55	182.27	1.4	27.0	0.0	8210.2	2971.5
10	1.01	4.4	1.0	8827.77	388.42	194.21	1.4	27.0	0.0	8622.9	3011.6
11	1.01	7.3	1.0	9373.03	412.41	206.21	1.4	27.0	0.0	9058.5	3059.6
12	1.01	10.2	1.0	9761.2	429.49	214.75	1.4	27.0	0.0	9360.1	3102.6
13	2.01	14.6	2.1	18772.59	825.99	413.0	1.4	27.0	0.0	17781.5	6207.5
14	1.01	19.1	1.1	9267.87	407.79	203.89	1.4	27.0	0.0	8718.2	3146.5
15	1.27	22.6	1.4	10970.6	482.71	241.35	1.4	27.0	0.0	10224.2	3985.3
16	1.22	26.5	1.4	9177.33	403.8	201.9	1.4	27.0	0.0	8360.7	3799.3
17	0.68	29.6	0.8	4867.12	214.15	107.08	1.4	27.0	0.0	4376.0	2150.6
18	0.82	32.1	1.0	5640.81	248.2	124.1	1.4	27.0	0.0	5021.2	2610.7
19	0.27	33.9	0.3	1687.68	74.26	37.13	1.4	27.0	0.0	1456.6	858.4
20	3.52	41.1	4.7	22634.07	995.9	497.95	0.15	24.0	325.8	26912.6	3088.3

xc = 66.376 yc = 31.048 Rc = 27.768 Fs=5.112

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.28	-38.3	0.4	89.27	3.93	1.96	0.0	21.0	0.0	120.9	9.1
2	1.01	-36.6	1.3	1684.81	74.13	37.07	0.0	21.0	0.0	2224.1	167.0
3	1.01	-34.1	1.2	4176.58	183.77	91.88	0.15	24.0	594.1	4853.9	779.3
4	1.01	-31.6	1.2	6444.45	283.56	141.78	0.15	24.0	1475.8	6391.6	903.4
5	1.01	-29.2	1.2	8022.21	352.98	176.49	0.15	24.0	2285.9	7107.8	957.3
6	1.01	-26.9	1.1	9530.72	419.35	209.68	1.4	27.0	0.0	12899.5	4374.5
7	1.01	-24.6	1.1	11003.37	484.15	242.07	1.4	27.0	0.0	14125.6	4437.4
8	1.01	-22.3	1.1	12373.14	544.42	272.21	1.4	27.0	0.0	15215.8	4494.7
9	3.02	-17.9	3.2	44062.98	1938.77	969.39	1.4	27.0	0.0	50743.2	13744.4

10	11.11	-3.1	11.125	4960.21	1218.25	5609.13	1.4	27.0	0.025	8335.3	56226.4
11	1.23	9.8	1.231	103.22	1368.54	684.27	1.4	27.0	0.030	450.9	6445.3
12	1.22	12.4	1.230	519.7	1342.87	671.43	1.4	27.0	0.029	842.0	6397.3
13	0.68	14.4	0.717	246.26	758.84	379.42	1.4	27.0	0.016	877.7	3612.8
14	0.82	16.0	0.820	903.0	919.73	459.87	1.4	27.0	0.020	492.1	4368.7
15	0.27	17.1	0.368	29.95	300.52	150.26	1.4	27.0	0.0	6703.8	1438.5
16	8.66	27.6	9.825	2123.11	1093.42	5546.71	1.4	27.0	0.025	7065.6	52364.5
17	2.09	40.5	2.751	335.64	2258.77	1129.38	1.4	27.0	0.056	304.5	13138.3
18	0.08	43.5	0.115	69.06	69.04	34.52	1.4	27.0	0.0	1699.5	488.1
19	1.01	45.1	1.417	531.58	771.39	385.69	1.4	27.0	0.019	013.1	5796.7
20	5.4	56.8	9.948	986.64	2155.41	1077.71	1.4	27.0	0.041	819.2	31164.3

xc = 69.383 yc = 29.457 Rc = 25.986 Fs=5.051

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.95	-42.5	1.3	969.03	42.64	21.32	0.0	21.0	0.0	1411.6	107.3
2	1.01	-39.6	1.330	35.35	133.56	66.78	0.0	21.0	0.0	4203.7	319.5
3	1.01	-36.8	1.348	08.89	211.59	105.8	0.15	24.0	674.7	5824.0	886.4
4	1.01	-34.1	1.264	01.23	281.65	140.83	0.15	24.0	1622.1	6392.8	924.2
5	1.01	-31.4	1.279	24.68	348.69	174.34	1.4	27.0	0.012	022.0	4480.6
6	3.02	-26.4	3.433	313.33	1465.79	732.89	1.4	27.0	0.044	030.8	13782.3
7	7.04	-14.6	7.313	1820.05	800.08	2900.04	1.4	27.0	0.014	5326.2	34836.5
8	1.91	-4.5	1.945	993.99	2023.74	1011.87	1.4	27.0	0.046	917.8	10035.5
9	1.11	-1.1	1.127	524.88	1211.1	605.55	1.4	27.0	0.027	646.1	5869.9
10	1.01	1.2	1.025	565.72	1124.89	562.45	1.4	27.0	0.025	458.7	5357.8
11	1.27	3.7	1.332	711.26	1439.3	719.65	1.4	27.0	0.032	338.4	6797.1
12	1.22	6.5	1.231	322.84	1378.21	689.1	1.4	27.0	0.030	784.6	6511.5
13	0.68	8.6	0.717	852.77	785.52	392.76	1.4	27.0	0.017	499.3	3679.7
14	0.82	10.3	0.821	776.13	958.15	479.07	1.4	27.0	0.021	324.1	4451.5
15	0.27	11.5	0.371	52.62	314.72	157.36	1.4	27.0	0.0	7000.8	1466.6
16	10.75	25.0	11.933	3849.31	4689.37	7344.68	1.4	27.0	0.033	7147.9	66871.3
17	2.1	41.2	2.843	978.64	1935.06	967.53	1.4	27.0	0.047	509.1	12521.9
18	2.01	47.6	3.033	451.67	1471.87	735.94	1.4	27.0	0.036	519.1	11957.6
19	2.06	54.8	3.623	703.22	1042.94	521.47	1.4	27.0	0.023	693.9	12306.2
20	2.12	64.2	4.998	29.34	432.49	216.25	0.15	24.0	495.6	15596.8	2817.8

xc = 72.391 yc = 31.048 Rc = 27.241 Fs=5.616

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.6	-42.4	0.8	327.29	14.4	7.2	0.0	21.0	0.0	472.5	32.3
2	1.01	-40.1	1.3	2054.79	90.41	45.21	0.0	21.0	0.0	2852.0	194.9
3	1.01	-37.4	1.3	3796.77	167.06	83.53	0.15	24.0	343.8	4903.8	727.1
4	3.02	-32.3	3.6	20531.76	903.4	451.7	1.4	27.0	0.0	31755.2	11785.1
5	6.04	-21.7	6.5	87853.7	3865.56	1932.78	1.4	27.0	0.0	104803.8	25706.0
6	2.01	-12.7	2.1	43412.05	1910.13	955.07	1.4	27.0	0.0	46611.3	9370.5
7	2.01	-8.4	2.0	46377.01	2040.59	1020.29	1.4	27.0	0.0	48271.6	9449.6
8	2.28	-3.8	2.3	56542.31	2487.86	1243.93	1.4	27.0	0.0	57402.5	10900.7
9	1.9	0.6	1.9	48172.21	2119.58	1059.79	1.4	27.0	0.0	48085.4	9108.3
10	1.96	4.6	2.0	52521.63	2310.95	1155.48	1.4	27.0	0.0	51916.1	9602.7
11	2.18	9.0	2.2	65496.12	2881.83	1440.92	1.4	27.0	0.0	64512.4	11363.2
12	2.18	13.7	2.2	78133.13	3437.86	1718.93	1.4	27.0	0.0	77345.9	12618.9
13	2.18	18.5	2.3	75404.63	3317.8	1658.9	1.4	27.0	0.0	75306.1	12570.7
14	2.18	23.4	2.4	71877.96	3162.63	1581.32	1.4	27.0	0.0	72897.1	12544.3
15	1.14	27.3	1.3	36549.65	1608.19	804.09	1.4	27.0	0.0	37706.7	6622.3
16	0.08	28.7	0.1	2295.56	101.0	50.5	1.4	27.0	0.0	2368.4	454.9
17	1.01	30.0	1.2	26707.11	1175.11	587.56	1.4	27.0	0.0	27722.8	5412.5
18	3.02	35.2	3.7	71946.38	3165.64	1582.82	1.4	27.0	0.0	76621.9	16154.2
19	5.67	48.0	8.5	95284.59	4192.52	2096.26	1.4	27.0	0.0	108049.5	30902.4
20	2.18	61.8	4.6	9538.58	419.7	209.85	1.4	27.0	0.0	-1091.7	11411.1

xc = 75.399 yc = 29.457 Rc = 19.776 Fs=6.157

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.75	-35.1	0.9	544.75	23.97	11.98	0.0	21.0	0.0	696.6	43.4
2	1.01	-32.1	1.2	2229.41	98.09	49.05	0.0	21.0	0.0	2738.4	170.7
3	1.01	-28.7	1.1	3977.62	175.02	87.51	0.15	24.0	0.0	4881.1	632.4
4	1.01	-25.4	1.1	5553.8	244.37	122.18	0.15	24.0	603.8	5809.7	691.5
5	2.01	-20.7	2.2	14650.12	644.61	322.3	1.4	27.0	0.0	18073.4	6387.0
6	1.01	-16.1	1.0	9423.99	414.66	207.33	1.4	27.0	0.0	10748.2	3270.2
7	1.27	-12.7	1.3	13291.75	584.84	292.42	1.4	27.0	0.0	14559.0	4170.5
8	1.22	-9.0	1.2	13672.43	601.59	300.79	1.4	27.0	0.0	14474.7	4008.5
9	0.68	-6.2	0.7	8377.22	368.6	184.3	1.4	27.0	0.0	8673.4	2279.7
10	0.82	-4.0	0.8	10804.87	475.41	237.71	1.4	27.0	0.0	11025.6	2773.8
11	0.27	-2.4	0.3	3624.52	159.48	79.74	1.4	27.0	0.0	3666.6	915.2
12	6.55	7.6	6.6	131442.8	5783.48	2891.74	1.4	27.0	0.0	129180.2	25713.7
13	1.47	19.4	1.6	31890.37	1403.18	701.59	1.4	27.0	0.0	31646.7	6154.4
14	1.47	24.0	1.6	30343.18	1335.1	667.55	1.4	27.0	0.0	30470.2	6171.6
15	1.26	28.4	1.4	25186.75	1108.22	554.11	1.4	27.0	0.0	25719.4	5397.6
16	0.08	30.7	0.1	1268.91	55.83	27.92	1.4	27.0	0.0	1280.0	329.1
17	1.01	32.5	1.2	14409.45	634.02	317.01	1.4	27.0	0.0	14590.1	3921.0

18	1.01	36.1	1.21	2936.95	569.23	284.61	1.4	27.0	0.013	150.3	3918.4
19	2.01	41.8	2.72	0591.26	906.02	453.01	1.4	27.0	0.020	606.9	7841.2
20	3.42	54.2	5.91	5216.81	669.54	334.77	0.15	24.0	1046.3	20220.9	2888.1

xc = 78.406 yc = 31.048 Rc = 27.385 Fs=6.872

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.34	-44.6	0.5	123.18	5.42	2.71	0.0	21.0	0.0	182.9	10.2
2	1.01	-42.6	1.41	848.89	81.35	40.68	0.0	21.0	0.0	2648.9	148.0
3	1.01	-39.8	1.34	160.96	183.08	91.54	0.15	24.0	853.1	4804.9	597.2
4	1.01	-37.1	1.3	6307.8	277.54	138.77	1.4	27.0	0.010	444.8	3345.3
5	1.01	-34.5	1.29	135.69	401.97	200.99	1.4	27.0	0.013	490.1	3488.3
6	1.01	-32.0	1.21	1977.86	527.03	263.51	1.4	27.0	0.016	397.4	3633.0
7	1.01	-29.6	1.21	4026.97	617.19	308.59	1.4	27.0	0.018	229.5	3708.0
8	1.01	-27.2	1.11	6066.66	706.93	353.47	1.4	27.0	0.020	002.7	3786.9
9	3.02	-22.6	3.35	7829.43	2544.5	1272.25	1.4	27.0	0.067	468.4	11660.9
10	11.83	-6.6	11.93	63376.81	5988.58	7994.29	1.4	27.0	0.037	1771.8	51820.8
11	2.22	8.3	2.28	3499.99	3674.0	1837.0	1.4	27.0	0.082	820.8	10718.2
12	1.96	12.8	2.07	3461.74	3232.32	1616.16	1.4	27.0	0.073	168.0	9522.1
13	0.08	15.0	0.1	2793.9	122.93	61.47	1.4	27.0	0.0	2789.2	384.9
14	1.01	16.2	1.03	3003.53	1452.16	726.08	1.4	27.0	0.033	033.5	4583.2
15	3.02	20.6	3.29	5111.98	4184.93	2092.46	1.4	27.0	0.096	465.2	13722.6
16	6.04	31.4	7.11	70791.0	7514.8	3757.4	1.4	27.0	0.018	3063.0	27986.0
17	2.01	41.7	2.74	3185.93	1900.18	950.09	1.4	27.0	0.049	656.3	9170.1
18	2.01	47.6	3.03	4073.91	1499.25	749.63	1.4	27.0	0.040	589.3	9091.3
19	1.66	53.7	2.81	9663.19	865.18	432.59	1.4	27.0	0.023	117.6	7408.1
20	2.22	61.5	4.71	0372.23	456.38	228.19	1.4	27.0	0.0	3756.5	9763.6

xc = 81.414 yc = 29.457 Rc = 25.973 Fs=7.508

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.62	-48.1	0.9	460.08	20.24	10.12	0.0	21.0	0.0	731.2	37.4
2	1.01	-45.5	1.43	308.06	145.55	72.78	0.15	24.0	58.7	5247.6	598.1
3	1.01	-42.4	1.46	324.98	278.3	139.15	0.15	24.0	125	1.17	533.0	719.1
4	1.01	-39.5	1.38	973.28	394.82	197.41	1.4	27.0	0.014	440.9	3411.4
5	1.01	-36.7	1.31	1580.21	509.53	254.76	1.4	27.0	0.017	042.2	3495.8
6	3.02	-31.4	3.54	7320.86	2082.12	1041.06	1.4	27.0	0.062	024.9	10802.5

7	7.76	-18.4	8.2	187175.2	8235.71	4117.85	1.4	27.0	0.02	07053.4	29302.4
8	2.2	-6.9	2.2	83337.25	3666.84	1833.42	1.4	27.0	0.08	5151.9	9916.9
9	2.2	-2.0	2.2	84659.01	3725.0	1862.5	1.4	27.0	0.08	5064.1	9883.5
10	2.2	2.8	2.2	85015.76	3740.69	1870.35	1.4	27.0	0.08	4632.4	9856.6
11	1.64	7.1	1.7	64227.16	2826.0	1413.0	1.4	27.0	0.06	3799.2	7419.6
12	0.08	9.0	0.1	2947.25	129.68	64.84	1.4	27.0	0.0	2927.3	358.1
13	1.01	10.2	1.0	34968.3	1538.61	769.3	1.4	27.0	0.03	4763.6	4265.6
14	3.02	14.8	3.1	102549.0	4512.16	2256.08	1.4	27.0	0.01	02690.9	12790.6
15	6.04	25.7	6.7	193135.8	8497.98	4248.99	1.4	27.0	0.02	01695.8	26176.2
16	2.01	35.8	2.5	53341.63	2347.03	1173.52	1.4	27.0	0.05	9522.9	8666.2
17	2.01	41.5	2.7	45969.21	2022.65	1011.32	1.4	27.0	0.05	3727.5	8657.0
18	2.01	47.8	3.0	36937.65	1625.26	812.63	1.4	27.0	0.04	5420.0	8666.6
19	2.0	54.9	3.5	24798.45	1091.13	545.57	1.4	27.0	0.03	0919.5	8594.9
20	2.2	64.4	5.1	9552.91	420.33	210.16	1.4	27.0	0.0	1970.2	9648.0

xc = 84.422 yc = 31.048 Rc = 24.183 Fs=9.70

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.64	-45.8	0.9	455.08	20.02	10.01	0.0	21.0	0.0	680.2	26.9
2	2.01	-41.5	2.7	6384.51	280.92	140.46	0.15	24.0	0.0	9269.6	841.0
3	1.01	-36.8	1.3	6562.02	288.73	144.36	1.4	27.0	0.0	9948.7	2336.9
4	1.27	-33.5	1.5	11168.35	491.41	245.7	1.4	27.0	0.01	5394.6	3012.1
5	1.22	-30.1	1.4	13135.76	577.97	288.99	1.4	27.0	0.01	6866.6	2921.8
6	0.68	-27.5	0.8	8698.55	382.74	191.37	1.4	27.0	0.01	0673.0	1671.5
7	0.82	-25.5	0.9	11764.9	517.66	258.83	1.4	27.0	0.01	4006.3	2041.4
8	0.27	-24.1	0.3	4076.53	179.37	89.68	1.4	27.0	0.0	4766.3	675.3
9	10.75	-10.7	10.9	296993.31	3067.71	6533.85	1.4	27.0	0.03	08212.4	31971.1
10	2.1	4.9	2.1	58166.09	2559.31	1279.65	1.4	27.0	0.05	7858.3	6076.5
11	2.01	9.8	2.0	55131.69	2425.79	1212.9	1.4	27.0	0.05	4942.0	5833.5
12	2.01	14.7	2.1	54466.46	2396.52	1198.26	1.4	27.0	0.05	4768.4	5879.6
13	2.01	19.7	2.1	53834.48	2368.72	1184.36	1.4	27.0	0.05	5043.2	5976.3
14	2.01	24.9	2.2	50074.16	2203.26	1101.63	1.4	27.0	0.05	2431.6	5955.3
15	2.01	30.3	2.3	45145.13	1986.39	993.19	1.4	27.0	0.04	8808.5	5926.2
16	2.01	36.0	2.5	39145.35	1722.4	861.2	1.4	27.0	0.04	4081.4	5903.9
17	1.01	40.5	1.3	16892.39	743.27	371.63	1.4	27.0	0.01	9696.0	2943.8
18	2.01	45.4	2.9	26598.75	1170.35	585.17	1.4	27.0	0.03	2001.0	5820.7
19	1.96	52.7	3.2	15933.49	701.07	350.54	1.4	27.0	0.01	8855.6	5662.2
20	1.99	61.5	4.2	3862.67	169.96	84.98	0.15	24.0	1136.2	4170.5	835.8

xc = 87.429 yc = 29.457 Rc = 21.563 Fs=12.645

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.4	-47.6	0.6	170.53	7.5	3.75	0.0	21.0	0.0	261.7	7.9
2	1.22	-44.5	1.7	2489.94	109.56	54.78	0.15	24.0	0.0	3826.3	337.9
3	0.68	-41.1	0.9	3035.59	133.57	66.78	1.4	27.0	0.0	5078.2	1207.4
4	0.82	-38.5	1.0	5463.37	240.39	120.19	1.4	27.0	0.0	8157.6	1483.6
5	0.27	-36.6	0.3	2105.33	92.63	46.32	1.4	27.0	0.0	2989.5	491.4
6	7.58	-25.0	8.4	156330.9	6878.56	3439.28	1.4	27.0	0.018	0222.5	16523.2
7	1.83	-11.4	1.9	50623.67	2227.44	1113.72	1.4	27.0	0.05	2472.7	4178.8
8	1.34	-7.1	1.3	38922.43	1712.59	856.29	1.4	27.0	0.03	9605.4	3088.2
9	0.08	-5.2	0.1	2135.75	93.97	46.99	1.4	27.0	0.0	2160.9	181.0
10	1.01	-3.7	1.0	25611.88	1126.92	563.46	1.4	27.0	0.02	5806.6	2156.2
11	3.02	1.6	3.0	77835.32	3424.75	1712.38	1.4	27.0	0.07	7682.7	6473.5
12	4.02	11.1	4.1	104796.1	4611.03	2305.51	1.4	27.0	0.010	5072.7	8774.7
13	2.01	19.4	2.1	50019.04	2200.84	1100.42	1.4	27.0	0.05	1466.6	4435.8
14	2.01	25.2	2.2	46132.41	2029.83	1014.91	1.4	27.0	0.04	8894.7	4432.2
15	2.01	31.3	2.4	41205.29	1813.03	906.52	1.4	27.0	0.04	5512.5	4440.6
16	1.01	36.1	1.2	18346.43	807.24	403.62	1.4	27.0	0.02	1072.1	2227.0
17	2.01	41.3	2.7	30421.51	1338.55	669.27	1.4	27.0	0.03	6579.4	4438.1
18	2.01	48.9	3.1	21421.39	942.54	471.27	1.4	27.0	0.02	7433.3	4494.5
19	1.4	56.3	2.5	8471.77	372.76	186.38	1.4	27.0	0.01	0453.1	3215.0
20	1.83	65.6	4.4	4992.6	219.67	109.84	0.0	21.0	0.01	1310.7	343.4

xc = 90.437 yc = 31.048 Rc = 19.577 Fs=19.683

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.51	-37.0	1.9	15793.76	694.93	347.46	0.15	24.0	0.020	223.1	601.4
2	1.51	-31.6	1.8	20204.16	888.98	444.49	1.4	27.0	0.024	899.2	1904.7
3	1.51	-26.6	1.7	23315.84	1025.9	512.95	1.4	27.0	0.027	015.5	1899.0
4	1.51	-21.7	1.6	26030.57	1145.35	572.67	1.4	27.0	0.028	774.8	1899.9
5	1.49	-17.1	1.6	28552.32	1256.3	628.15	1.4	27.0	0.030	447.6	1893.6
6	0.08	-14.7	0.1	1334.26	58.71	29.35	1.4	27.0	0.0	1404.9	98.5
7	1.01	-13.0	1.0	16274.92	716.1	358.05	1.4	27.0	0.016	975.7	1174.0
8	1.01	-10.0	1.0	16863.77	742.01	371.0	1.4	27.0	0.017	332.1	1175.4
9	2.01	-5.6	2.0	35025.98	1541.14	770.57	1.4	27.0	0.035	420.4	2355.1
10	1.01	-1.1	1.0	18212.08	801.33	400.67	1.4	27.0	0.018	238.9	1188.0
11	1.01	1.8	1.0	18602.02	818.49	409.24	1.4	27.0	0.018	573.4	1196.9
12	1.01	4.8	1.0	19030.42	837.34	418.67	1.4	27.0	0.018	995.6	1209.9
13	1.01	7.7	1.0	19123.45	841.43	420.72	1.4	27.0	0.019	133.7	1217.6
14	1.01	10.7	1.0	18758.44	825.37	412.69	1.4	27.0	0.018	861.4	1216.7

15	1.01	13.7	1.01	8250.6	803.03	401.51	1.4	27.0	0.01	8490.9	1215.4
16	1.01	16.8	1.11	7594.22	774.15	387.07	1.4	27.0	0.01	8011.5	1213.8
17	3.02	23.1	3.34	7732.6	2100.23	1050.12	1.4	27.0	0.05	0353.3	3638.4
18	6.04	39.5	7.85	7221.98	2517.77	1258.88	1.4	27.0	0.06	8092.8	7325.3
19	0.94	53.3	1.62	732.16	120.21	60.11	0.15	24.0	624.6	3266.0	193.2
20	1.51	60.0	3.02	942.09	129.45	64.73	0.0	21.0	0.0	5690.7	111.0

xc = 96.452 yc = 31.048 Rc = 11.664 Fs=14.764

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	-20.8	0.5	165.27	7.27	3.64	0.0	21.0	0.0	178.5	4.6
2	0.37	-18.5	0.4	280.64	12.35	6.17	0.0	21.0	0.0	298.5	7.8
3	0.64	-15.9	0.7	648.57	28.54	14.27	0.0	21.0	0.0	679.4	17.7
4	0.23	-13.7	0.2	279.48	12.3	6.15	0.0	21.0	0.0	289.5	7.5
5	0.43	-12.0	0.4	576.87	25.38	12.69	0.0	21.0	0.0	593.1	15.4
6	0.34	-10.1	0.3	493.43	21.71	10.86	0.0	21.0	0.0	503.5	13.1
7	0.53	-7.9	0.5	815.14	35.87	17.93	0.0	21.0	0.0	826.0	21.5
8	0.48	-5.4	0.5	775.33	34.11	17.06	0.0	21.0	0.0	780.8	20.3
9	0.39	-3.3	0.4	642.04	28.25	14.12	0.0	21.0	0.0	644.1	16.7
10	0.62	-0.8	0.6	1023.04	45.01	22.51	0.0	21.0	0.0	1023.5	26.6
11	0.25	1.3	0.3	408.24	17.96	8.98	0.0	21.0	0.0	408.1	10.6
12	0.43	3.0	0.4	688.71	30.3	15.15	0.0	21.0	0.0	688.7	17.9
13	0.32	4.9	0.3	488.55	21.5	10.75	0.0	21.0	0.0	489.2	12.7
14	0.55	7.0	0.6	778.87	34.27	17.14	0.0	21.0	0.0	782.2	20.3
15	0.43	9.4	0.4	562.12	24.73	12.37	0.0	21.0	0.0	567.4	14.8
16	0.43	11.6	0.4	499.01	21.96	10.98	0.0	21.0	0.0	506.7	13.2
17	0.6	14.2	0.6	562.98	24.77	12.39	0.0	21.0	0.0	576.9	15.0
18	0.27	16.4	0.3	194.51	8.56	4.28	0.0	21.0	0.0	201.2	5.2
19	0.43	18.2	0.5	219.61	9.66	4.83	0.0	21.0	0.0	229.2	6.0
20	0.43	20.5	0.5	90.38	3.98	1.99	0.0	21.0	0.0	95.5	2.5

xc = 99.46 yc = 29.457 Rc = 12.206 Fs=20.00

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.94	-37.1	1.2	917.81	40.38	20.19	0.0	21.0	0.0	1162.6	14.9
2	1.01	-31.6	1.22	481.57	109.19	54.59	0.15	24.0	0.0	2977.1	103.2
3	1.01	-26.2	1.13	487.69	153.46	76.73	0.15	24.0	0.0	3943.2	114.6

4	1.01	-21.0	1.1	4293.92	188.93	94.47	1.4	27.0	0.0	4825.2	585.0
5	1.01	-16.0	1.0	5052.61	222.31	111.16	1.4	27.0	0.0	5424.3	580.7
6	1.01	-11.2	1.0	5603.85	246.57	123.28	1.4	27.0	0.0	5826.3	577.6
7	0.46	-7.7	0.5	2693.28	118.5	59.25	1.4	27.0	0.0	2753.1	263.4
8	0.92	-4.4	0.9	5559.25	244.61	122.3	1.4	27.0	0.0	5616.5	525.4
9	0.63	-0.8	0.6	3914.5	172.24	86.12	1.4	27.0	0.0	3919.7	362.2
10	1.01	3.1	1.0	6202.64	272.92	136.46	1.4	27.0	0.0	6180.7	575.2
11	1.01	7.8	1.0	5811.0	255.68	127.84	1.4	27.0	0.0	5787.0	572.3
12	1.01	12.6	1.0	5277.51	232.21	116.11	1.4	27.0	0.0	5280.5	570.9
13	1.01	17.5	1.1	4722.88	207.81	103.9	1.4	27.0	0.0	4771.8	573.5
14	1.01	22.6	1.1	3890.69	171.19	85.6	1.4	27.0	0.0	3973.9	576.0
15	1.01	27.8	1.1	3167.69	139.38	69.69	1.4	27.0	0.0	3271.8	586.4
16	1.01	33.3	1.2	3153.54	138.76	69.38	0.15	24.0	762.3	2794.1	101.7
17	1.01	39.2	1.3	3785.86	166.58	83.29	0.15	24.0	153.9	4576.2	132.8
18	0.5	43.9	0.7	1810.32	79.65	39.83	0.0	21.0	0.0	2480.0	31.7
19	0.92	48.8	1.4	2037.0	89.63	44.81	0.0	21.0	0.0	3046.0	39.0
20	0.92	55.9	1.6	987.09	43.43	21.72	0.0	21.0	0.0	1727.5	22.1

xc = 15.245 yc = 32.64 Rc = 29.571 Fs=1.392

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	3.4	0.2	19.56	0.86	0.43	0.0	21.0	0.0	19.3	5.3
2	0.54	4.1	0.5	74.37	3.27	1.64	0.0	21.0	0.0	73.1	20.2
3	0.38	5.0	0.4	26.53	1.17	0.58	0.0	21.0	0.0	26.0	7.2
4	0.38	5.8	0.4	14.73	0.65	0.32	0.0	21.0	0.0	14.4	4.0
5	0.38	6.5	0.4	34.12	1.5	0.75	0.0	21.0	0.0	33.3	9.2
6	0.32	7.2	0.3	40.7	1.79	0.9	0.0	21.0	0.0	39.6	10.9
7	0.45	8.0	0.5	71.28	3.14	1.57	0.0	21.0	0.0	69.3	19.1
8	0.56	8.9	0.6	104.89	4.62	2.31	0.0	21.0	0.0	101.8	28.1
9	0.21	9.7	0.2	51.68	2.27	1.14	0.0	21.0	0.0	50.1	13.8
10	0.38	10.3	0.4	150.04	6.6	3.3	0.0	21.0	0.0	145.2	40.1
11	0.41	11.1	0.4	237.8	10.46	5.23	0.0	21.0	0.0	229.9	63.4
12	0.35	11.8	0.4	249.51	10.98	5.49	0.0	21.0	0.0	241.0	66.5
13	0.38	12.6	0.4	300.04	13.2	6.6	0.0	21.0	0.0	289.6	79.9
14	0.27	13.2	0.3	226.16	9.95	4.98	0.0	21.0	0.0	218.2	60.2
15	0.5	14.0	0.5	409.26	18.01	9.0	0.0	21.0	0.0	394.7	108.8
16	0.51	15.0	0.5	364.66	16.04	8.02	0.0	21.0	0.0	351.5	97.0
17	0.26	15.8	0.3	158.26	6.96	3.48	0.0	21.0	0.0	152.6	42.1
18	0.38	16.4	0.4	181.1	7.97	3.98	0.0	21.0	0.0	174.6	48.2
19	0.36	17.2	0.4	110.45	4.86	2.43	0.0	21.0	0.0	106.5	29.4
20	0.41	17.9	0.4	45.3	1.99	1.0	0.0	21.0	0.0	43.7	12.1

xc = 18.253 yc = 34.232 Rc = 30.41 Fs=1.894

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.18	5.3	0.2	10.33	0.45	0.23	0.0	21.0	0.0	10.2	2.1
2	0.23	5.6	0.2	37.34	1.64	0.82	0.0	21.0	0.0	36.8	7.5
3	0.2	6.1	0.2	51.73	2.28	1.14	0.0	21.0	0.0	50.9	10.3
4	0.2	6.4	0.2	68.55	3.02	1.51	0.0	21.0	0.0	67.4	13.7
5	0.2	6.8	0.2	84.83	3.73	1.87	0.0	21.0	0.0	83.4	16.9
6	0.17	7.2	0.2	80.65	3.55	1.77	0.0	21.0	0.0	79.3	16.1
7	0.24	7.6	0.2	126.09	5.55	2.77	0.0	21.0	0.0	123.9	25.1
8	0.2	8.0	0.2	107.31	4.72	2.36	0.0	21.0	0.0	105.4	21.4
9	0.2	8.4	0.2	107.72	4.74	2.37	0.0	21.0	0.0	105.7	21.4
10	0.2	8.8	0.2	107.59	4.73	2.37	0.0	21.0	0.0	105.6	21.4
11	0.15	9.1	0.2	79.94	3.52	1.76	0.0	21.0	0.0	78.4	15.9
12	0.26	9.5	0.3	127.32	5.6	2.8	0.0	21.0	0.0	124.9	25.3
13	0.2	9.9	0.2	91.93	4.04	2.02	0.0	21.0	0.0	90.1	18.3
14	0.2	10.3	0.2	82.76	3.64	1.82	0.0	21.0	0.0	81.1	16.4
15	0.2	10.7	0.2	73.06	3.21	1.61	0.0	21.0	0.0	71.6	14.5
16	0.14	11.0	0.1	43.87	1.93	0.97	0.0	21.0	0.0	43.0	8.7
17	0.27	11.4	0.3	68.99	3.04	1.52	0.0	21.0	0.0	67.6	13.7
18	0.2	11.9	0.2	36.51	1.61	0.8	0.0	21.0	0.0	35.8	7.3
19	0.2	12.3	0.2	22.32	0.98	0.49	0.0	21.0	0.0	21.9	4.4
20	0.2	12.7	0.2	7.58	0.33	0.17	0.0	21.0	0.0	7.4	1.5

xc = 21.261 yc = 32.64 Rc = 29.325 Fs=1.291

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-3.2	1.0	241.45	10.62	5.31	0.0	21.0	0.0	246.0	73.1
2	0.58	-1.7	0.6	409.46	18.02	9.01	0.0	21.0	0.0	413.2	122.8
3	0.42	-0.7	0.4	479.36	21.09	10.55	0.0	21.0	0.0	481.1	143.0
4	1.01	0.7	1.0	1615.8	71.09	35.55	0.0	21.0	0.0	1609.8	478.6
5	1.01	2.7	1.0	2006.6	88.29	44.15	0.0	21.0	132.8	1850.0	550.0
6	1.01	4.7	1.0	2081.62	91.59	45.8	0.0	21.0	271.6	1773.0	527.1
7	0.6	6.2	0.6	1191.9	52.44	26.22	0.0	21.0	214.8	952.0	283.0
8	0.41	7.2	0.4	786.15	34.59	17.3	0.0	21.0	167.4	601.0	178.7
9	1.01	8.6	1.0	1775.62	78.13	39.06	0.0	21.0	455.6	1277.6	379.8
10	1.01	10.6	1.0	1478.08	65.04	32.52	0.0	21.0	488.3	953.9	283.6
11	1.01	12.6	1.0	1118.19	49.2	24.6	0.0	21.0	483.0	610.3	181.4

12	1.01	14.6	1.0	352.65	15.52	7.76	0.0	21.0	0.0	338.2	100.5
13	0.41	16.1	0.4	127.48	5.61	2.8	0.0	21.0	0.0	122.2	36.3
14	0.59	17.1	0.6	520.97	22.92	11.46	0.0	21.0	204.8	303.1	90.1
15	1.01	18.8	1.1	1841.13	81.01	40.5	0.0	21.0	243.6	1532.5	455.6
16	1.01	20.8	1.1	2536.0	111.58	55.79	0.0	21.0	59.0	2380.9	707.8
17	1.01	23.0	1.1	2127.36	93.6	46.8	0.0	21.0	0.0	2052.0	610.0
18	0.43	24.5	0.5	705.08	31.02	15.51	0.0	21.0	0.0	682.4	202.9
19	0.58	25.6	0.6	695.96	30.62	15.31	0.0	21.0	0.0	675.5	200.8
20	1.04	27.3	1.2	491.62	21.63	10.82	0.0	21.0	0.0	479.7	142.6

xc = 24.268 yc = 34.232 Rc = 30.164 Fs=1.28

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.51	-4.5	0.5	98.4	4.33	2.16	0.0	21.0	0.0	101.1	30.3
2	1.01	-3.1	1.0	583.58	25.68	12.84	0.0	21.0	0.0	594.1	178.2
3	1.01	-1.2	1.0	849.03	37.36	18.68	0.0	21.0	0.0	854.5	256.3
4	1.01	0.7	1.0	940.24	41.37	20.69	0.0	21.0	0.0	936.8	281.0
5	0.4	2.1	0.4	373.39	16.43	8.21	0.0	21.0	0.0	369.6	110.9
6	0.61	3.0	0.6	556.46	24.48	12.24	0.0	21.0	15.4	533.4	160.0
7	0.96	4.5	1.0	799.1	35.16	17.58	0.0	21.0	135.2	650.6	195.1
8	1.05	6.4	1.1	713.13	31.38	15.69	0.0	21.0	259.3	441.8	132.5
9	0.52	7.9	0.5	292.54	12.87	6.44	0.0	21.0	157.3	131.0	39.3
10	0.49	8.9	0.5	111.62	4.91	2.46	0.0	21.0	0.0	107.9	32.4
11	1.01	10.3	1.0	786.85	34.62	17.31	0.0	21.0	354.4	416.8	125.0
12	1.01	12.3	1.0	2051.1	90.25	45.12	0.0	21.0	357.1	1627.4	488.2
13	1.01	14.3	1.0	2978.45	131.05	65.53	0.0	21.0	298.2	2569.6	770.8
14	0.42	15.7	0.4	1207.03	53.11	26.55	0.0	21.0	94.5	1065.8	319.7
15	0.59	16.7	0.6	1603.26	70.54	35.27	0.0	21.0	102.5	1437.5	431.2
16	1.01	18.2	1.1	2343.12	103.1	51.55	0.0	21.0	56.1	2191.4	657.3
17	1.01	20.3	1.1	1698.48	74.73	37.37	0.0	21.0	0.0	1630.0	488.9
18	0.54	21.8	0.6	660.32	29.05	14.53	0.0	21.0	0.0	635.0	190.5
19	0.46	22.9	0.5	436.35	19.2	9.6	0.0	21.0	0.0	420.4	126.1
20	1.11	24.5	1.2	464.15	20.42	10.21	0.0	21.0	0.0	448.7	134.6

xc = 27.276 yc = 32.64 Rc = 29.08 Fs=3.018

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.64	-10.8	0.7	198.27	8.72	4.36	0.0	21.0	0.0	206.9	26.3
2	1.01	-9.2	1.0	916.8	40.34	20.17	0.0	21.0	0.0	948.2	120.6
3	1.01	-7.2	1.0	1381.28	60.78	30.39	0.0	21.0	0.0	1414.8	180.0
4	1.01	-5.2	1.0	1667.71	73.38	36.69	0.0	21.0	218.5	1472.2	187.3
5	1.01	-3.2	1.0	1851.26	81.46	40.73	0.0	21.0	496.4	1366.6	173.8
6	1.35	-0.9	1.4	2620.59	115.31	57.65	0.15	24.0	1046.3	1588.2	906.7
7	0.66	1.1	0.7	1306.92	57.5	28.75	0.15	24.0	642.7	656.1	424.8
8	1.01	2.8	1.0	947.43	41.69	20.84	0.15	24.0	0.0	917.9	636.2
9	1.01	4.7	1.0	2482.19	109.22	54.61	0.15	24.0	1257.1	1173.3	675.0
10	1.01	6.7	1.0	3937.66	173.26	86.63	0.15	24.0	1360.5	2492.1	871.3
11	1.01	8.7	1.0	5055.25	222.43	111.22	0.15	24.0	1402.8	3537.3	1027.9
12	1.01	10.8	1.0	5079.14	223.48	111.74	0.15	24.0	1408.9	3540.0	1031.4
13	1.01	12.8	1.0	4800.16	211.21	105.6	0.15	24.0	1366.0	3294.9	999.0
14	1.01	14.8	1.0	4347.03	191.27	95.63	0.15	24.0	1297.3	2904.4	945.9
15	1.01	16.9	1.1	3941.15	173.41	86.71	0.15	24.0	1189.8	2600.3	906.3
16	1.01	19.0	1.1	3496.54	153.85	76.92	0.15	24.0	1042.3	2296.9	867.8
17	1.31	21.4	1.4	3602.57	158.51	79.26	0.15	24.0	1067.4	2314.1	1043.2
18	0.7	23.5	0.8	1402.23	61.7	30.85	0.0	21.0	392.8	1043.3	132.7
19	1.01	25.4	1.1	1334.77	58.73	29.36	0.0	21.0	332.1	1046.7	133.2
20	1.3	27.9	1.5	608.46	26.77	13.39	0.0	21.0	0.0	645.2	82.1

xc = 30.284 yc = 34.232 Rc = 29.918 Fs=3.197

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.07	-8.0	0.1	0.74	0.03	0.02	0.0	21.0	0.0	0.8	0.1
2	2.01	-6.0	2.0	498.73	21.94	10.97	0.0	21.0	0.0	507.8	61.0
3	1.01	-3.1	1.0	276.71	12.18	6.09	0.0	21.0	0.0	278.9	33.5
4	1.01	-1.2	1.0	1229.87	54.11	27.06	0.0	21.0	593.8	637.7	76.6
5	1.01	0.8	1.0	2877.29	126.6	63.3	0.15	24.0	802.4	2064.8	759.7
6	1.01	2.7	1.0	4197.9	184.71	92.35	0.15	24.0	951.6	3206.5	919.2
7	1.01	4.6	1.0	4428.84	194.87	97.43	0.15	24.0	1066.6	3297.6	932.9
8	1.01	6.6	1.0	4361.78	191.92	95.96	0.15	24.0	1135.2	3142.7	912.9
9	1.01	8.5	1.0	4126.34	181.56	90.78	0.15	24.0	1181.1	2847.2	873.9
10	0.48	10.0	0.5	1911.47	84.1	42.05	0.15	24.0	572.2	1287.8	409.6
11	0.52	10.9	0.5	2031.37	89.38	44.69	0.15	24.0	614.1	1358.6	439.1
12	1.01	12.4	1.0	3732.78	164.24	82.12	0.15	24.0	1166.6	2446.1	824.1
13	1.35	14.8	1.4	4391.69	193.23	96.62	0.15	24.0	1457.7	2759.8	1041.2
14	0.66	16.8	0.7	1820.22	80.09	40.04	0.15	24.0	639.8	1089.9	474.5
15	1.01	18.4	1.1	2318.84	102.03	51.01	0.15	24.0	855.9	1315.2	680.8
16	1.01	20.5	1.1	1818.04	79.99	40.0	0.15	24.0	666.1	989.9	641.8
17	1.01	22.6	1.1	1369.23	60.25	30.12	0.0	21.0	447.0	951.2	114.2
18	1.01	24.7	1.1	913.93	40.21	20.11	0.0	21.0	184.6	760.6	91.3
19	1.01	26.8	1.1	504.97	22.22	11.11	0.0	21.0	0.0	533.4	64.0

20	1.04	29.0	1.2	166.36	7.32	3.66	0.0	21.0	0.0	178.4	21.4

xc = 33.291 yc = 32.64 Rc = 28.834 Fs=2.566

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.64	-11.9	1.7	580.2	25.53	12.76	0.0	21.0	32.9	577.6	86.4
2	1.01	-9.2	1.0	429.38	18.89	9.45	0.0	21.0	0.0	445.8	66.7
3	1.21	-7.0	1.2	2279.84	100.31	50.16	0.15	24.0	1106.2	1297.4	938.5
4	0.8	-5.0	0.8	3089.27	135.93	67.96	0.15	24.0	979.2	2192.1	850.3
5	1.01	-3.2	1.0	5146.33	226.44	113.22	0.15	24.0	1450.8	3770.2	1243.2
6	1.01	-1.2	1.0	5573.62	245.24	122.62	0.15	24.0	1669.1	3931.3	1270.4
7	1.01	0.8	1.0	5701.07	250.85	125.42	0.15	24.0	1840.1	3843.3	1255.0
8	1.01	2.8	1.0	5658.98	249.0	124.5	0.15	24.0	1987.8	3615.6	1216.2
9	1.01	4.8	1.0	5670.46	249.5	124.75	0.15	24.0	2099.9	3482.3	1194.4
10	1.01	6.8	1.0	5651.33	248.66	124.33	0.15	24.0	2176.4	3358.9	1175.2
11	2.01	9.9	2.0	10615.12	467.07	233.53	0.15	24.0	4434.4	5887.9	2215.6
12	1.01	12.9	1.0	4824.88	212.29	106.15	0.15	24.0	2174.8	2481.6	1034.0
13	1.01	15.0	1.0	4525.31	199.11	99.56	0.15	24.0	2091.0	2252.3	999.7
14	1.01	17.1	1.1	4281.56	188.39	94.19	0.15	24.0	1980.0	2106.4	980.7
15	1.01	19.2	1.1	4026.09	177.15	88.57	0.15	24.0	1828.6	1990.0	968.0
16	1.01	21.3	1.1	3821.19	168.13	84.07	0.15	24.0	1623.1	1979.1	974.7
17	1.01	23.5	1.1	3691.48	162.42	81.21	0.15	24.0	1386.0	2078.4	1001.8
18	1.01	25.7	1.1	3474.72	152.89	76.44	0.15	24.0	1103.1	2139.3	1023.8
19	1.01	27.9	1.1	3175.5	139.72	69.86	0.15	24.0	771.8	2168.2	1041.8
20	4.97	35.1	6.1	6225.82	273.94	136.97	0.0	21.0	0.0	6885.6	1030.0

xc = 39.307 yc = 32.64 Rc = 28.588 Fs=2.292

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.81	-17.3	0.8	944.61	41.56	20.78	0.0	21.0	0.0	1044.2	174.8
2	1.01	-15.4	1.0	2814.47	123.84	61.92	0.0	21.0	209.6	2833.6	474.5
3	1.01	-13.4	1.0	3639.75	160.15	80.07	0.0	21.0	649.5	3200.8	536.0
4	1.01	-11.3	1.0	4178.24	183.84	91.92	0.15	24.0	1038.6	3470.4	1345.4
5	1.01	-9.2	1.0	4546.05	200.03	100.01	0.15	24.0	1402.0	3401.6	1327.7
6	1.01	-7.2	1.0	4964.38	218.43	109.22	0.15	24.0	1728.3	3430.1	1329.8
7	3.02	-3.2	3.0	16697.73	734.7	367.35	0.15	24.0	6779.5	10151.6	3949.7
8	3.02	2.9	3.0	17586.12	773.79	386.89	0.15	24.0	8383.7	9025.3	3730.5

9	1.01	6.9	1.06	214.11	273.42	136.71	0.15	24.0	2980.1	3103.7	1266.0
10	1.29	9.3	1.38	332.65	366.64	183.32	0.15	24.0	3880.1	4237.2	1680.2
11	0.72	11.3	0.74	882.08	214.81	107.41	0.15	24.0	2147.0	2592.4	983.5
12	1.01	13.1	1.07	024.66	309.09	154.54	0.15	24.0	2971.5	3831.1	1420.0
13	1.01	15.2	1.07	212.39	317.35	158.67	0.15	24.0	2896.5	4072.3	1473.0
14	2.01	18.3	2.11	3503.47	594.15	297.08	0.15	24.0	5406.8	7582.0	2859.7
15	1.01	21.6	1.16	857.33	301.72	150.86	0.15	24.0	2416.4	4174.9	1518.7
16	1.01	23.7	1.17	201.71	316.88	158.44	0.15	24.0	2186.2	4756.5	1643.0
17	1.01	26.0	1.17	336.83	322.82	161.41	0.15	24.0	1945.4	5152.7	1733.0
18	1.01	28.2	1.16	801.63	299.27	149.64	0.15	24.0	1643.5	4938.3	1706.3
19	1.01	30.5	1.2	5999.9	264.0	132.0	0.15	24.0	1301.5	4489.7	1636.4
20	4.4	37.3	5.51	3630.02	599.72	299.86	0.15	24.0	348.9	12140.1	5977.7

xc = 42.314 yc = 34.232 Rc = 30.144 Fs=5.831

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.16	-21.8	0.2	40.11	1.76	0.88	0.0	21.0	0.0	44.4	2.9
2	1.01	-20.6	1.11	071.39	47.14	23.57	0.0	21.0	0.0	1173.9	77.3
3	1.01	-18.6	1.12	083.15	91.66	45.83	0.0	21.0	0.0	2247.8	148.0
4	1.01	-16.6	1.02	788.76	122.71	61.35	0.0	21.0	297.0	2652.1	174.6
5	1.01	-14.6	1.03	325.41	146.32	73.16	0.15	24.0	759.6	2776.5	479.5
6	1.01	-12.6	1.03	931.74	173.0	86.5	0.15	24.0	1184.8	2924.7	488.6
7	3.02	-8.8	3.11	4731.7	648.2	324.1	0.15	24.0	5744.7	9323.6	1497.6
8	5.17	-0.9	5.23	1809.82	1399.63	699.82	0.15	24.0	15341.5	16512.5	2592.1
9	0.86	4.8	0.96	580.69	289.55	144.78	1.4	27.0	0.0	6381.8	2636.2
10	1.01	6.6	1.08	154.89	358.82	179.41	1.4	27.0	0.0	7848.4	3117.8
11	1.01	8.5	1.08	612.08	378.93	189.47	1.4	27.0	0.0	8233.9	3162.4
12	2.01	11.5	2.11	7092.92	752.09	376.04	1.4	27.0	0.0	16155.4	6341.5
13	1.01	14.4	1.09	039.49	397.74	198.87	1.4	27.0	0.0	8501.7	3237.0
14	1.01	16.4	1.09	640.16	424.17	212.08	1.4	27.0	0.0	9074.8	3311.0
15	1.01	18.4	1.11	0053.06	442.33	221.17	1.4	27.0	0.0	9472.6	3373.5
16	1.01	20.4	1.19	808.51	431.57	215.79	1.4	27.0	0.0	9207.0	3382.2
17	1.01	22.5	1.19	302.06	409.29	204.65	1.4	27.0	0.0	8671.6	3372.0
18	1.01	24.6	1.18	641.15	380.21	190.11	1.4	27.0	0.0	7968.7	3352.3
19	1.01	26.7	1.17	886.25	347.0	173.5	1.4	27.0	0.0	7153.3	3328.6
20	8.15	37.6	10.32	9133.58	1281.88	640.94	0.15	24.0	5153.4	26652.1	4679.7

xc = 45.322 yc = 32.64 Rc = 28.682 Fs=6.452

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.34	-25.4	0.4	65.12	2.87	1.43	0.0	21.0	0.0	74.2	4.4
2	1.01	-23.9	1.1	792.5	34.87	17.44	0.0	21.0	0.0	890.2	53.0
3	1.01	-21.7	1.1	1589.06	69.92	34.96	0.0	21.0	0.0	1751.9	104.2
4	1.01	-19.6	1.1	2424.62	106.68	53.34	0.0	21.0	384.6	2211.8	131.6
5	3.02	-15.4	3.11	1619.92	511.28	255.64	0.15	24.0	4106.9	8146.2	1290.0
6	4.05	-8.1	4.12	3080.98	1015.56	507.78	0.15	24.0	11006.9	12456.6	1811.7
7	0.98	-3.1	1.0	7104.07	312.58	156.29	1.4	27.0	0.0	7259.2	2696.1
8	1.01	-1.1	1.0	8148.34	358.53	179.26	1.4	27.0	0.0	8203.8	2831.6
9	1.01	0.9	1.0	8909.25	392.01	196.0	1.4	27.0	0.0	8864.2	2883.6
10	3.02	5.0	3.02	9802.54	1311.31	655.66	1.4	27.0	0.02	9145.3	8876.2
11	3.02	11.1	3.13	4626.38	1523.56	761.78	1.4	27.0	0.03	3461.1	9316.3
12	2.01	16.2	2.12	4280.72	1068.35	534.18	1.4	27.0	0.02	3426.1	6397.7
13	1.13	19.5	1.21	2856.21	565.67	282.84	1.4	27.0	0.01	2372.9	3574.4
14	0.88	21.7	1.0	9612.04	422.93	211.46	1.4	27.0	0.0	9232.9	2793.3
15	1.01	23.7	1.11	0343.11	455.1	227.55	1.4	27.0	0.0	9905.7	3166.7
16	2.01	27.1	2.31	8075.22	795.31	397.65	1.4	27.0	0.01	7102.2	6253.9
17	1.01	30.5	1.2	7832.61	344.63	172.32	1.4	27.0	0.0	7260.0	3106.8
18	1.01	32.8	1.2	7180.81	315.96	157.98	1.4	27.0	0.0	6536.2	3114.9
19	1.01	35.3	1.2	6288.88	276.71	138.36	1.4	27.0	0.0	5504.0	3108.9
20	5.25	43.8	7.32	0937.3	921.24	460.62	0.15	24.0	0.02	5681.2	3461.3

xc = 48.33 yc = 34.232 Rc = 30.39 Fs=6.836

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.09	-25.7	0.1	3.53	0.16	0.08	0.0	21.0	0.0	4.0	0.2
2	1.01	-24.5	1.1	621.95	27.37	13.68	0.0	21.0	0.0	701.6	39.4
3	3.02	-20.4	3.27	210.21	317.25	158.62	0.0	21.0	1785.5	5913.0	332.0
4	4.02	-13.5	4.11	9600.0	862.4	431.2	0.15	24.0	9191.9	11095.2	1630.9
5	1.08	-8.6	1.17	407.37	325.92	162.96	1.4	27.0	0.0	7916.1	2823.6
6	0.93	-6.6	0.97	414.14	326.22	163.11	1.4	27.0	0.0	7756.2	2503.9
7	1.01	-4.8	1.08	938.92	393.31	196.66	1.4	27.0	0.0	9202.3	2753.9
8	3.02	-1.0	3.03	1317.06	1377.95	688.98	1.4	27.0	0.03	1472.6	8529.0
9	3.02	4.7	3.03	8409.93	1690.04	845.02	1.4	27.0	0.03	7798.8	9020.3
10	2.01	9.5	2.02	8179.2	1239.89	619.94	1.4	27.0	0.02	7529.2	6230.3
11	1.07	12.4	1.11	4729.43	648.09	324.05	1.4	27.0	0.01	4353.7	3308.8
12	0.94	14.4	1.01	2846.32	565.24	282.62	1.4	27.0	0.01	2510.6	2930.0
13	1.01	16.3	1.01	3388.4	589.09	294.54	1.4	27.0	0.01	3036.9	3118.6
14	2.01	19.3	2.12	5238.17	1110.48	555.24	1.4	27.0	0.02	4569.8	6197.7
15	1.01	22.3	1.11	2004.44	528.2	264.1	1.4	27.0	0.01	1704.0	3099.9
16	1.01	24.4	1.11	1783.12	518.46	259.23	1.4	27.0	0.01	1522.3	3121.4

17	1.01	26.5	1.11	1357.5	499.73	249.87	1.4	27.0	0.011	128.8	3131.8
18	1.01	28.6	1.11	1289.95	496.76	248.38	1.4	27.0	0.011	128.0	3177.1
19	1.01	30.8	1.21	1275.81	496.14	248.07	1.4	27.0	0.011	200.0	3234.2
20	7.59	41.5	10.15	0123.55	2205.44	1102.72	1.4	27.0	0.045	554.1	24160.7

xc = 51.337 yc = 32.64 Rc = 28.677 Fs=6.385

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.84	-25.9	0.9	351.17	15.45	7.73	0.0	21.0	0.0	402.1	24.2
2	1.01	-23.8	1.1	1257.2	55.32	27.66	0.0	21.0	290.1	1086.2	65.3
3	1.01	-21.7	1.1	2229.5	98.1	49.05	0.15	24.0	882.7	1594.4	365.5
4	1.01	-19.5	1.13	261.18	143.49	71.75	0.15	24.0	1443.0	2069.2	395.1
5	1.01	-17.4	1.14	277.38	188.2	94.1	0.15	24.0	1960.8	2561.3	426.3
6	1.01	-15.3	1.05	346.14	235.23	117.62	0.15	24.0	2425.7	3155.1	465.1
7	1.01	-13.2	1.06	497.89	285.91	142.95	0.15	24.0	2863.1	3854.2	511.6
8	1.01	-11.2	1.0	7649.7	336.59	168.29	1.4	27.0	0.0	8373.7	2917.1
9	3.02	-7.1	3.02	8985.65	1275.37	637.68	1.4	27.0	0.0	30343.9	9091.5
10	8.05	4.0	8.11	16862.2	5141.94	2570.97	1.4	27.0	0.011	5260.6	26891.5
11	1.01	13.1	1.01	4467.56	636.57	318.29	1.4	27.0	0.014	065.8	3387.5
12	1.01	15.2	1.01	4150.53	622.62	311.31	1.4	27.0	0.013	744.3	3383.8
13	1.01	17.3	1.11	3986.97	615.43	307.71	1.4	27.0	0.013	592.2	3395.6
14	1.01	19.4	1.11	3997.72	615.9	307.95	1.4	27.0	0.013	634.0	3427.5
15	1.01	21.6	1.11	3808.8	607.59	303.79	1.4	27.0	0.013	485.5	3448.6
16	1.01	23.8	1.11	3983.92	615.29	307.65	1.4	27.0	0.013	735.0	3506.5
17	1.01	26.0	1.11	4219.9	625.68	312.84	1.4	27.0	0.014	074.6	3577.2
18	1.01	28.2	1.11	3690.81	602.4	301.2	1.4	27.0	0.013	611.5	3590.3
19	1.01	30.5	1.21	3162.88	579.17	289.58	1.4	27.0	0.013	152.3	3611.1
20	8.28	43.1	11.36	2964.59	2770.44	1385.22	1.4	27.0	0.058	588.6	29547.0

xc = 54.345 yc = 34.232 Rc = 29.887 Fs=6.024

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.84	-24.7	0.9	406.41	17.88	8.94	0.0	21.0	0.0	461.0	29.4
2	1.01	-22.8	1.11	590.18	69.97	34.98	0.15	24.0	546.5	1286.4	366.9
3	1.01	-20.7	1.12	862.55	125.95	62.98	0.15	24.0	1118.6	2022.6	417.4
4	1.01	-18.7	1.14	213.95	185.41	92.71	0.15	24.0	1661.0	2855.7	475.6
5	1.01	-16.7	1.15	489.16	241.52	120.76	0.15	24.0	2163.3	3630.0	529.8

6	3.02	-12.7	3.12	2812.85	1003.77	501.88	1.4	27.0	0.02	5486.0	9346.8
7	5.03	-4.9	5.06	3843.81	2809.13	1404.56	1.4	27.0	0.06	5546.2	17279.4
8	2.01	1.9	2.02	9097.78	1280.3	640.15	1.4	27.0	0.02	8876.6	7122.3
9	1.54	5.3	1.62	2797.42	1003.09	501.54	1.4	27.0	0.02	2383.8	5497.1
10	1.47	8.2	1.52	1669.31	953.45	476.72	1.4	27.0	0.02	1134.9	5251.0
11	1.01	10.7	1.01	4915.92	656.3	328.15	1.4	27.0	0.01	4499.3	3606.0
12	1.01	12.6	1.01	5220.26	669.69	334.85	1.4	27.0	0.01	4780.6	3646.7
13	1.01	14.6	1.01	5338.0	674.87	337.44	1.4	27.0	0.01	4892.2	3676.3
14	1.01	16.6	1.01	5834.88	696.73	348.37	1.4	27.0	0.01	5407.6	3743.6
15	1.01	18.6	1.11	6410.12	722.05	361.02	1.4	27.0	0.01	6028.6	3823.7
16	1.01	20.7	1.11	6240.61	714.59	357.29	1.4	27.0	0.01	5907.7	3845.2
17	1.01	22.8	1.11	6096.05	708.23	354.11	1.4	27.0	0.01	5829.5	3875.0
18	3.02	27.1	3.44	4969.91	1978.68	989.34	1.4	27.0	0.04	4547.7	11645.9
19	6.77	38.6	8.76	3595.49	2798.2	1399.1	1.4	27.0	0.06	1186.0	25309.2
20	1.83	49.7	2.81	3155.23	578.83	289.42	0.15	24.0	0.01	7939.9	2030.5

xc = 57.353 yc = 32.64 Rc = 22.707 Fs=2.604

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.93	-14.0	1.0	389.17	17.12	8.56	0.0	21.0	0.0	416.4	61.4
2	1.01	-11.5	1.01	250.24	55.01	27.51	0.0	21.0	0.0	1315.3	193.9
3	1.01	-8.9	1.01	857.58	81.73	40.87	0.0	21.0	0.0	1924.9	283.8
4	1.01	-6.4	1.02	322.95	102.21	51.1	0.0	21.0	0.0	2376.4	350.3
5	1.01	-3.8	1.02	713.04	119.37	59.69	0.0	21.0	0.0	2746.0	404.8
6	1.01	-1.3	1.02	991.62	131.63	65.82	0.0	21.0	38.8	2963.3	436.9
7	1.2	1.5	1.23	740.93	164.6	82.3	0.15	24.0	329.2	3379.5	1268.6
8	0.81	4.1	0.82	594.23	114.15	57.07	0.15	24.0	368.0	2172.1	841.4
9	1.01	6.4	1.03	413.03	150.17	75.09	0.15	24.0	575.5	2737.9	1051.4
10	1.01	8.9	1.03	785.68	166.57	83.28	0.15	24.0	655.6	2995.9	1099.0
11	1.01	11.5	1.03	967.62	174.58	87.29	0.15	24.0	701.1	3105.0	1122.5
12	1.01	14.1	1.04	524.56	199.08	99.54	0.15	24.0	699.0	3638.0	1219.7
13	1.01	16.7	1.15	155.52	226.84	113.42	0.15	24.0	635.6	4315.9	1343.3
14	1.01	19.4	1.15	037.82	221.66	110.83	0.15	24.0	533.1	4300.6	1349.9
15	1.01	22.1	1.14	939.45	217.34	108.67	0.15	24.0	377.1	4367.1	1372.5
16	1.01	24.9	1.14	696.51	206.65	103.32	0.15	24.0	152.6	4366.4	1385.7
17	1.36	28.3	1.5	5037.2	221.64	110.82	0.15	24.0	0.0	4799.2	1710.5
18	0.65	31.2	0.81	925.42	84.72	42.36	0.15	24.0	0.0	1798.8	746.3
19	1.01	33.6	1.22	352.81	103.52	51.76	0.15	24.0	0.0	2121.4	1059.0
20	1.41	37.4	1.81	398.67	61.54	30.77	0.0	21.0	0.0	1582.5	233.3

xc = 60.36 yc = 34.232 Rc = 24.411 Fs=7.312

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.59	-17.5	0.6	179.3	7.89	3.94	0.0	21.0	0.0	191.1	10.0
2	1.01	-15.5	1.0	923.11	40.62	20.31	0.0	21.0	0.0	972.2	51.0
3	1.01	-13.1	1.01	614.45	71.04	35.52	0.0	21.0	0.01	677.9	88.1
4	1.01	-10.7	1.02	231.52	98.19	49.09	0.0	21.0	0.02	293.4	120.4
5	1.01	-8.3	1.02	739.28	120.53	60.26	0.0	21.0	0.02	789.4	146.4
6	2.01	-4.7	2.06	440.89	283.4	141.7	0.15	24.0	821.8	5700.8	761.4
7	1.01	-1.2	1.03	886.06	170.99	85.49	0.15	24.0	824.5	3070.1	393.4
8	1.01	1.2	1.04	515.92	198.7	99.35	0.15	24.0	1039.9	3468.0	417.6
9	1.01	3.6	1.04	964.15	218.42	109.21	0.15	24.0	1225.6	3718.8	433.3
10	1.01	5.9	1.05	798.24	255.12	127.56	0.15	24.0	1369.3	4403.3	475.7
11	1.01	8.3	1.06	767.55	297.77	148.89	1.4	27.0	0.06	488.6	2399.2
12	1.01	10.7	1.07	039.34	309.73	154.87	1.4	27.0	0.06	704.8	2428.0
13	1.01	13.1	1.07	330.58	322.55	161.27	1.4	27.0	0.06	952.9	2462.8
14	1.01	15.6	1.07	480.62	329.15	164.57	1.4	27.0	0.07	071.0	2492.7
15	2.01	19.3	2.11	3554.04	596.38	298.19	1.4	27.0	0.01	2623.4	4962.2
16	1.01	23.1	1.16	363.54	280.0	140.0	1.4	27.0	0.05	851.0	2502.0
17	1.27	26.0	1.47	044.29	309.95	154.97	1.4	27.0	0.06	300.7	3150.9
18	1.22	29.3	1.45	174.18	227.66	113.83	1.4	27.0	0.04	261.3	2978.7
19	0.68	31.9	0.82	585.82	113.78	56.89	0.15	24.0	61.0	2767.0	333.6
20	2.98	37.3	3.76	875.51	302.52	151.26	0.15	24.0	0.07	698.6	1236.6

xc = 63.368 yc = 32.64 Rc = 29.419 Fs=4.933

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.96	-34.3	1.2	955.62	42.05	21.02	0.0	21.0	0.01	221.0	95.0
2	2.01	-30.8	2.36	344.95	279.18	139.59	0.15	24.0	1639.1	6243.1	1276.2
3	1.01	-27.5	1.15	932.91	261.05	130.52	0.15	24.0	1929.9	4921.1	789.0
4	1.01	-25.3	1.18	032.64	353.44	176.72	0.15	24.0	2623.6	6414.4	917.3
5	1.01	-23.1	1.11	0151.37	446.66	223.33	1.4	27.0	0.01	2933.9	4441.0
6	1.01	-21.0	1.11	1670.01	513.48	256.74	1.4	27.0	0.01	4239.9	4529.7
7	1.01	-18.9	1.11	2923.28	568.62	284.31	1.4	27.0	0.01	5235.4	4592.4
8	1.01	-16.9	1.11	4026.49	617.17	308.58	1.4	27.0	0.01	6063.6	4643.1
9	1.01	-14.8	1.01	5048.16	662.12	331.06	1.4	27.0	0.01	6807.2	4689.9
10	3.02	-10.8	3.15	0157.64	2206.94	1103.47	1.4	27.0	0.05	3792.2	14278.0
11	11.07	3.0	11.12	55257.71	1231.34	5615.67	1.4	27.0	0.02	52563.8	57543.4
12	2.49	16.4	2.65	9285.1	2608.54	1304.27	1.4	27.0	0.05	7870.4	13355.6
13	1.77	20.8	1.94	1979.03	1847.08	923.54	1.4	27.0	0.04	1248.1	9629.2

14	2.07	24.9	2.346	284.77	2036.53	1018.27	1.4	27.0	0.045	814.9	11220.1
15	2.17	29.5	2.563	020.73	2772.91	1386.46	1.4	27.0	0.064	630.9	13768.3
16	2.17	34.5	2.658	981.99	2595.21	1297.6	1.4	27.0	0.062	035.3	13899.1
17	2.17	39.9	2.851	163.3	2251.19	1125.59	1.4	27.0	0.055	184.8	13740.4
18	2.15	45.6	3.142	350.3	1863.41	931.71	1.4	27.0	0.046	710.1	13545.8
19	0.08	48.7	0.11	14.73	49.05	24.52	1.4	27.0	0.01	141.6	481.3
20	4.29	56.4	7.830	007.81	1320.34	660.17	1.4	27.0	0.018	242.4	23908.8

xc = 66.376 yc = 34.232 Rc = 24.543 Fs=5.655

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.38	-22.1	0.4	76.29	3.36	1.68	0.0	21.0	0.0	84.6	5.7
2	2.01	-19.1	2.12	179.52	95.9	47.95	0.0	21.0	0.0	2361.8	160.3
3	1.01	-15.4	1.02	467.19	108.56	54.28	0.15	24.0	77.7	2610.9	482.3
4	1.01	-13.0	1.03	583.39	157.67	78.83	0.15	24.0	549.1	3235.1	528.5
5	1.01	-10.6	1.04	512.07	198.53	99.27	0.15	24.0	987.7	3689.8	562.0
6	1.01	-8.2	1.05	823.36	256.23	128.11	0.15	24.0	1382.5	4576.9	630.0
7	1.01	-5.8	1.07	374.72	324.49	162.24	1.4	27.0	0.0	7738.4	3200.9
8	1.01	-3.5	1.0	8225.4	361.92	180.96	1.4	27.0	0.0	8436.7	3255.5
9	1.01	-1.1	1.09	100.73	400.43	200.22	1.4	27.0	0.0	9166.0	3317.2
10	1.01	1.2	1.09	843.28	433.1	216.55	1.4	27.0	0.0	9772.1	3371.9
11	2.01	4.8	2.02	0103.71	884.56	442.28	1.4	27.0	0.0	19607.9	6765.8
12	1.01	8.3	1.01	0590.49	465.98	232.99	1.4	27.0	0.0	10200.3	3436.4
13	1.27	11.0	1.31	3345.31	587.19	293.6	1.4	27.0	0.0	12747.0	4358.2
14	1.22	14.0	1.31	2278.23	540.24	270.12	1.4	27.0	0.0	11616.2	4161.9
15	0.68	16.3	0.76	993.45	307.71	153.86	1.4	27.0	0.0	6597.3	2355.9
16	0.82	18.1	0.98	587.98	377.87	188.94	1.4	27.0	0.0	8101.0	2857.3
17	0.27	19.5	0.32	761.61	121.51	60.76	1.4	27.0	0.0	2596.8	939.8
18	5.52	27.1	6.27	5351.96	3315.49	1657.74	1.4	27.0	0.073	396.7	21966.3
19	1.29	36.2	1.61	7227.35	758.0	379.0	1.4	27.0	0.0	17307.2	5521.6
20	1.29	40.0	1.71	3368.52	588.21	294.11	1.4	27.0	0.0	12970.1	5344.9

xc = 69.383 yc = 32.64 Rc = 29.064 Fs=5.223

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	-39.1	0.6	390.54	17.18	8.59	0.0	21.0	0.0	535.0	39.3
2	1.01	-37.2	1.3	2497.9	109.91	54.95	0.0	21.0	0.0	3320.9	244.1

3	1.01	-34.7	1.2	4308.09	189.56	94.78	0.15	24.0	331.2	5402.9	812.2
4	1.01	-32.4	1.2	5864.39	258.03	129.02	0.15	24.0	1230.2	6028.5	856.0
5	1.01	-30.0	1.2	7254.2	319.18	159.59	0.15	24.0	2071.0	6500.9	888.0
6	1.01	-27.8	1.1	8746.43	384.84	192.42	1.4	27.0	0.0	12112.7	4229.8
7	3.02	-23.4	3.3	34759.79	1529.43	764.72	1.4	27.0	0.0	43532.3	13063.4
8	10.06	-10.0	10.2	212169.9	9335.48	4667.74	1.4	27.0	0.0	224190.1	49260.2
9	2.28	2.3	2.3	57948.94	2549.75	1274.88	1.4	27.0	0.0	57519.2	11724.5
10	1.9	6.5	1.9	48380.47	2128.74	1064.37	1.4	27.0	0.0	47581.6	9777.7
11	1.89	10.3	1.9	50083.81	2203.69	1101.84	1.4	27.0	0.0	49098.8	9938.8
12	2.24	14.4	2.3	65249.44	2870.98	1435.49	1.4	27.0	0.0	64166.1	12471.1
13	2.24	19.1	2.4	77296.19	3401.03	1700.52	1.4	27.0	0.0	76985.6	13874.5
14	2.24	23.8	2.5	73209.88	3221.23	1610.62	1.4	27.0	0.0	73938.8	13788.5
15	3.21	29.9	3.7	96514.12	4246.62	2123.31	1.4	27.0	0.0	100009.7	19677.0
16	2.1	36.1	2.6	47608.66	2094.78	1047.39	1.4	27.0	0.0	50272.4	11860.0
17	2.01	41.3	2.7	38623.16	1699.42	849.71	1.4	27.0	0.0	41541.7	11232.1
18	2.01	46.8	2.9	30986.12	1363.39	681.69	1.4	27.0	0.0	33413.3	11144.9
19	1.89	52.8	3.1	21127.13	929.59	464.8	1.4	27.0	0.0	21180.8	10452.5
20	2.24	60.4	4.5	9237.45	406.45	203.22	0.15	24.0	613.3	13182.5	2428.2

xc = 72.391 yc = 34.232 Rc = 23.489 Fs=5.797

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.7	-23.5	0.8	604.7	26.61	13.3	0.0	21.0	0.0	678.7	44.9
2	1.01	-21.2	1.1	2414.36	106.23	53.12	0.0	21.0	0.0	2658.2	176.0
3	1.01	-18.6	1.1	3612.03	158.93	79.46	0.15	24.0	0.0	4007.3	582.5
4	1.01	-16.0	1.0	4842.78	213.08	106.54	0.15	24.0	326.2	4885.1	646.1
5	1.01	-13.5	1.0	5943.44	261.51	130.76	0.15	24.0	808.8	5445.0	685.9
6	2.01	-9.7	2.0	14058.0	618.55	309.28	1.4	27.0	0.0	15341.7	6279.4
7	1.01	-6.0	1.0	8451.87	371.88	185.94	1.4	27.0	0.0	8838.1	3220.2
8	1.27	-3.2	1.3	11478.52	505.05	252.53	1.4	27.0	0.0	11728.5	4109.1
9	1.22	-0.2	1.2	11368.64	500.22	250.11	1.4	27.0	0.0	11381.4	3949.0
10	0.68	2.1	0.7	6864.24	302.03	151.01	1.4	27.0	0.0	6785.1	2246.8
11	0.82	4.0	0.8	8794.94	386.98	193.49	1.4	27.0	0.0	8626.2	2735.1
12	0.27	5.3	0.3	2916.83	128.34	64.17	1.4	27.0	0.0	2845.7	902.1
13	6.43	13.7	6.6	105682.6	4650.04	2325.02	1.4	27.0	0.0	102679.2	25016.2
14	1.42	23.7	1.5	24574.13	1081.26	540.63	1.4	27.0	0.0	24261.0	5874.0
15	1.42	27.6	1.6	22704.67	999.01	499.5	1.4	27.0	0.0	22559.9	5847.0
16	1.48	31.6	1.7	21949.1	965.76	482.88	1.4	27.0	0.0	22007.0	6124.0
17	1.36	35.8	1.7	11994.13	527.74	263.87	1.4	27.0	0.0	11160.6	5029.4
18	0.74	39.0	0.9	5244.08	230.74	115.37	1.4	27.0	0.0	4567.9	2692.0
19	2.01	43.5	2.8	9125.61	401.53	200.76	0.15	24.0	610.6	10311.6	1510.3
20	1.51	49.8	2.3	2215.39	97.48	48.74	0.0	21.0	0.0	3181.4	210.7

xc = 75.399 yc = 32.64 Rc = 28.537 Fs=5.852

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.08	-42.0	0.1	5.7	0.25	0.13	0.0	21.0	0.0	8.2	0.5
2	3.02	-38.0	3.883	23.33	366.23	183.11	0.15	24.0	217.61	1759.5	1877.1
3	4.02	-29.5	4.637	510.26	1650.45	825.23	1.4	27.0	0.051	945.9	15590.0
4	2.01	-22.7	2.231	778.95	1398.27	699.14	1.4	27.0	0.038	013.3	8528.4
5	2.06	-18.3	2.239	387.78	1733.06	866.53	1.4	27.0	0.044	495.9	9068.8
6	1.96	-14.1	2.041	378.23	1820.64	910.32	1.4	27.0	0.044	866.1	8750.5
7	1.01	-11.1	1.022	893.57	1007.32	503.66	1.4	27.0	0.024	216.9	4561.3
8	1.27	-8.7	1.330	056.23	1322.47	661.24	1.4	27.0	0.031	299.8	5805.6
9	1.22	-6.2	1.229	546.75	1300.06	650.03	1.4	27.0	0.030	327.1	5578.9
10	0.68	-4.3	0.717	194.4	756.55	378.28	1.4	27.0	0.017	479.2	3160.3
11	0.82	-2.8	0.821	309.7	937.63	468.81	1.4	27.0	0.021	520.3	3829.8
12	0.27	-1.7	0.370	76.65	311.37	155.69	1.4	27.0	0.07	116.9	1263.1
13	10.75	9.6	10.936	5540.31	6083.77	8041.89	1.4	27.0	0.036	1005.05	7507.5
14	2.18	23.0	2.463	332.29	2786.62	1393.31	1.4	27.0	0.064	028.4	11230.2
15	1.93	27.5	2.252	482.29	2309.22	1154.61	1.4	27.0	0.054	016.9	9918.6
16	1.01	30.9	1.225	901.13	1139.65	569.82	1.4	27.0	0.027	095.5	5164.8
17	1.01	33.3	1.224	845.12	1093.19	546.59	1.4	27.0	0.026	326.7	5172.1
18	1.01	35.7	1.223	806.78	1047.5	523.75	1.4	27.0	0.025	593.5	5194.4
19	1.01	38.3	1.322	400.27	985.61	492.81	1.4	27.0	0.024	435.6	5194.0
20	7.48	51.8	12.195	295.57	4193.01	2096.5	1.4	27.0	0.010	5638.23	8126.1

xc = 78.406 yc = 34.232 Rc = 29.413 Fs=6.746

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.95	-39.0	1.2	913.36	40.19	20.09	0.0	21.0	0.0	1232.2	70.1
2	1.01	-36.6	1.330	06.98	132.31	66.15	0.15	24.0	245.8	3834.3	531.8
3	1.01	-34.2	1.249	01.78	215.68	107.84	0.15	24.0	1192.8	4887.0	593.1
4	1.01	-31.9	1.273	75.38	324.52	162.26	1.4	27.0	0.010	713.6	3267.8
5	1.01	-29.6	1.210	073.08	443.22	221.61	1.4	27.0	0.013	524.2	3422.6
6	1.01	-27.3	1.111	997.03	527.87	263.93	1.4	27.0	0.015	320.2	3508.1
7	1.01	-25.2	1.113	927.94	612.83	306.41	1.4	27.0	0.017	076.9	3597.0
8	3.02	-20.9	3.250	882.24	2238.82	1119.41	1.4	27.0	0.058	736.3	11143.8
9	10.13	-7.8	10.226	9521.01	1858.92	5929.46	1.4	27.0	0.027	768.84	2208.4
10	2.24	4.4	2.278	777.38	3466.21	1733.1	1.4	27.0	0.078	194.5	10564.5

11	2.24	8.8	2.377	963.91	3430.41	1715.21	1.4	27.0	0.077	262.3	10535.8
12	1.4	12.4	1.449	091.26	2160.02	1080.01	1.4	27.0	0.048	799.5	6671.8
13	0.08	13.9	0.125	82.36	113.62	56.81	1.4	27.0	0.0	2567.7	374.5
14	1.01	15.0	1.030	509.11	1342.4	671.2	1.4	27.0	0.030	392.3	4457.8
15	3.02	19.2	3.287	980.78	3871.15	1935.58	1.4	27.0	0.088	510.1	13317.3
16	6.04	29.0	6.915	9087.7	6999.86	3499.93	1.4	27.0	0.016	6964.8	26937.6
17	2.01	38.2	2.640	683.44	1790.07	895.04	1.4	27.0	0.044	931.9	8711.2
18	3.02	44.9	4.345	783.73	2014.48	1007.24	1.4	27.0	0.051	907.8	12763.1
19	1.32	51.1	2.112	482.89	549.25	274.62	1.4	27.0	0.013	234.1	5359.1
20	2.24	57.2	4.1	8602.0	378.49	189.24	1.4	27.0	0.0	2324.4	8738.2

xc = 81.414 yc = 32.64 Rc = 20.255 Fs=10.539

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.48	-29.4	0.6	133.35	5.87	2.93	0.0	21.0	0.0	156.3	5.7
2	1.22	-26.7	1.41	408.57	61.98	30.99	0.15	24.0	0.0	1711.0	266.8
3	0.68	-23.7	0.71	828.85	80.47	40.23	0.15	24.0	0.0	2082.9	194.2
4	0.82	-21.4	0.93	265.08	143.66	71.83	0.15	24.0	0.0	3616.3	277.6
5	0.27	-19.8	0.31	224.68	53.89	26.94	1.4	27.0	0.0	1463.4	450.2
6	4.39	-13.0	4.549	220.13	2165.69	1082.84	1.4	27.0	0.052	478.1	8523.4
7	1.31	-4.7	1.323	279.59	1024.3	512.15	1.4	27.0	0.023	598.9	2888.0
8	1.31	-1.0	1.323	631.78	1039.8	519.9	1.4	27.0	0.023	687.2	2886.5
9	1.31	2.7	1.323	727.89	1044.03	522.01	1.4	27.0	0.023	618.7	2884.9
10	1.31	6.4	1.323	833.24	1048.66	524.33	1.4	27.0	0.023	657.9	2895.8
11	1.11	9.9	1.120	659.45	909.02	454.51	1.4	27.0	0.020	536.1	2492.9
12	0.08	11.6	0.11	200.34	52.81	26.41	1.4	27.0	0.0	1190.0	172.0
13	1.01	13.2	1.014	091.52	620.03	310.01	1.4	27.0	0.013	992.7	2049.2
14	1.01	16.1	1.013	597.89	598.31	299.15	1.4	27.0	0.013	562.7	2047.0
15	2.01	20.6	2.225	221.52	1109.75	554.87	1.4	27.0	0.025	412.7	4085.2
16	1.01	25.3	1.111	628.77	511.67	255.83	1.4	27.0	0.011	889.5	2052.7
17	1.01	28.4	1.110	854.54	477.6	238.8	1.4	27.0	0.011	227.7	2063.0
18	1.01	31.7	1.210	068.16	443.0	221.5	1.4	27.0	0.010	551.1	2081.8
19	1.01	35.2	1.28	879.12	390.68	195.34	1.4	27.0	0.0	9389.2	2088.8
20	3.86	44.6	5.416	175.86	711.74	355.87	1.4	27.0	0.014	905.7	7920.7

xc = 84.422 yc = 34.232 Rc = 24.851 Fs=10.81

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

-											
1	0.44	-37.8	0.6	189.3	8.33	4.16	0.0	21.0	0.0	246.2	8.7
2	1.01	-35.7	1.2	1762.74	77.56	38.78	0.15	24.0	0.0	2363.6	269.2
3	1.27	-32.5	1.5	4453.81	195.97	97.98	0.15	24.0	0.0	5561.3	438.5
4	1.22	-29.2	1.4	6354.92	279.62	139.81	1.4	27.0	0.0	8512.0	2211.9
5	0.68	-26.7	0.8	4877.47	214.61	107.3	1.4	27.0	0.0	6099.8	1277.2
6	0.82	-24.8	0.9	7172.34	315.58	157.79	1.4	27.0	0.0	8622.4	1571.0
7	0.27	-23.4	0.3	2559.76	112.63	56.31	1.4	27.0	0.0	3014.1	521.3
8	8.65	-12.8	8.9	179336.07	890.78	3945.39	1.4	27.0	0.01	88493.7	20369.8
9	2.1	-0.1	2.1	54129.79	2381.71	1190.86	1.4	27.0	0.05	4136.0	5266.7
10	2.1	4.8	2.1	46048.98	2026.16	1013.08	1.4	27.0	0.04	5801.4	4883.7
11	2.01	9.6	2.0	43536.27	1915.6	957.8	1.4	27.0	0.04	3360.0	4686.4
12	1.01	13.1	1.0	21564.25	948.83	474.41	1.4	27.0	0.02	1592.3	2355.6
13	2.01	16.7	2.1	42519.87	1870.87	935.44	1.4	27.0	0.04	2970.3	4746.3
14	2.01	21.6	2.2	40677.57	1789.81	894.91	1.4	27.0	0.04	1865.4	4776.8
15	2.01	26.7	2.3	36476.54	1604.97	802.48	1.4	27.0	0.03	8458.2	4730.5
16	1.11	30.8	1.3	17941.96	789.45	394.72	1.4	27.0	0.01	9347.8	2588.6
17	1.91	35.0	2.3	26568.04	1168.99	584.5	1.4	27.0	0.02	9353.0	4397.6
18	2.01	40.7	2.7	21137.39	930.05	465.02	1.4	27.0	0.02	3962.7	4569.1
19	1.47	46.3	2.1	9472.59	416.79	208.4	1.4	27.0	0.01	0321.7	3232.6
20	1.8	52.1	2.9	3937.99	173.27	86.64	1.4	27.0	0.0	1465.8	3850.5

xc = 90.437 yc = 34.232 Rc = 15.248 Fs=4.874

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Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
-											
1	0.12	-15.1	0.1	3.37	0.15	0.07	0.0	21.0	0.0	3.6	0.3
2	1.01	-12.9	1.0	342.93	15.09	7.54	0.0	21.0	0.0	358.3	28.2
3	0.4	-10.2	0.4	263.07	11.58	5.79	0.0	21.0	0.0	271.1	21.4
4	0.51	-8.5	0.5	406.18	17.87	8.94	0.0	21.0	0.0	415.5	32.7
5	0.51	-6.6	0.5	487.84	21.46	10.73	0.0	21.0	0.0	495.5	39.0
6	0.6	-4.5	0.6	712.79	31.36	15.68	0.0	21.0	0.0	719.4	56.7
7	0.42	-2.5	0.4	577.18	25.4	12.7	0.15	24.0	0.0	585.9	182.2
8	0.59	-0.7	0.6	916.37	40.32	20.16	0.15	24.0	0.0	919.5	265.1
9	0.43	1.3	0.4	735.16	32.35	16.17	0.15	24.0	0.0	731.0	198.5
10	0.58	3.1	0.6	1080.21	47.53	23.76	0.15	24.0	0.0	1066.7	275.7
11	0.44	5.1	0.4	892.61	39.27	19.64	0.15	24.0	0.0	877.0	215.4
12	0.57	7.0	0.6	1275.47	56.12	28.06	0.0	21.0	0.0	1272.7	100.2
13	0.45	8.9	0.5	1018.36	44.81	22.4	0.0	21.0	0.0	1018.2	80.2
14	0.56	10.8	0.6	1163.54	51.2	25.6	0.0	21.0	0.0	1167.0	91.9
15	0.46	12.8	0.5	851.92	37.48	18.74	0.0	21.0	0.0	858.2	67.6
16	0.55	14.7	0.6	879.88	38.71	19.36	0.0	21.0	0.0	891.3	70.2
17	0.47	16.7	0.5	612.45	26.95	13.47	0.0	21.0	0.0	624.6	49.2
18	0.54	18.7	0.6	524.65	23.08	11.54	0.0	21.0	0.0	539.4	42.5

19	0.48	20.7	0.5	289.58	12.74	6.37	0.0	21.0	0.0	300.6	23.7
20	0.51	22.7	0.6	109.55	4.82	2.41	0.0	21.0	0.0	115.0	9.1

xc = 93.445 yc = 32.64 Rc = 13.35 Fs=4.432

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.42	-14.4	0.4	70.92	3.12	1.56	0.0	21.0	0.0	74.9	6.5
2	0.23	-13.0	0.2	93.3	4.11	2.05	0.0	21.0	0.0	97.7	8.5
3	0.62	-11.1	0.6	451.15	19.85	9.93	0.0	21.0	0.0	467.8	40.5
4	0.38	-8.9	0.4	413.6	18.2	9.1	0.0	21.0	0.0	424.5	36.8
5	0.46	-7.1	0.5	649.23	28.57	14.28	0.0	21.0	0.0	661.4	57.3
6	0.54	-4.9	0.5	975.64	42.93	21.46	0.0	21.0	0.0	986.6	85.4
7	0.31	-3.1	0.3	618.42	27.21	13.61	0.0	21.0	0.0	622.2	53.9
8	0.42	-1.5	0.4	857.23	37.72	18.86	0.0	21.0	0.0	859.5	74.4
9	0.27	0.0	0.3	551.0	24.24	12.12	0.0	21.0	0.0	551.0	47.7
10	0.57	1.8	0.6	1134.18	49.9	24.95	0.0	21.0	0.0	1131.7	98.0
11	0.43	4.0	0.4	819.18	36.04	18.02	0.0	21.0	0.0	816.2	70.7
12	0.42	5.8	0.4	753.71	33.16	16.58	0.0	21.0	0.0	751.0	65.0
13	0.59	8.0	0.6	974.3	42.87	21.43	0.0	21.0	0.0	972.0	84.2
14	0.26	9.8	0.3	391.83	17.24	8.62	0.0	21.0	0.0	391.8	33.9
15	0.42	11.3	0.4	580.35	25.54	12.77	0.0	21.0	0.0	581.8	50.4
16	0.32	12.9	0.3	384.83	16.93	8.47	0.0	21.0	0.0	387.1	33.5
17	0.53	14.8	0.5	517.96	22.79	11.4	0.0	21.0	0.0	523.8	45.4
18	0.48	17.1	0.5	328.83	14.47	7.23	0.0	21.0	0.0	335.1	29.0
19	0.37	19.0	0.4	155.36	6.84	3.42	0.0	21.0	0.0	159.5	13.8
20	0.42	20.8	0.5	64.92	2.86	1.43	0.0	21.0	0.0	67.2	5.8

xc = 96.452 yc = 34.232 Rc = 15.99 Fs=20.00

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.85	-23.3	0.9	410.17	18.05	9.02	0.0	21.0	0.0	449.1	5.7
2	0.56	-20.6	0.6	692.67	30.48	15.24	0.0	21.0	0.0	743.4	9.5
3	0.45	-18.6	0.5	780.78	34.35	17.18	0.0	21.0	0.0	827.6	10.6
4	1.01	-15.9	1.0	2584.62	113.72	56.86	0.15	24.0	0.0	2714.3	92.6
5	1.01	-12.2	1.0	3347.56	147.29	73.65	0.15	24.0	0.0	3447.3	102.6
6	0.37	-9.7	0.4	1320.34	58.1	29.05	0.15	24.0	0.0	1346.1	38.9
7	0.63	-7.9	0.6	2321.61	102.15	51.08	0.15	24.0	0.0	2352.9	66.9

8	1.01	-4.9	1.0	3809.12	167.6	83.8	0.15	24.0	191.2	3640.2	104.5
9	0.48	-2.2	0.5	1848.25	81.32	40.66	0.15	24.0	160.4	1691.1	49.3
10	0.52	-0.4	0.5	2003.01	88.13	44.07	1.4	27.0	0.0	2005.2	278.1
11	1.01	2.3	1.0	3815.61	167.89	83.94	1.4	27.0	0.0	3797.2	534.4
12	0.59	5.2	0.6	2184.28	96.11	48.05	1.4	27.0	0.0	2164.7	315.0
13	0.71	7.5	0.7	2505.23	110.23	55.12	1.4	27.0	0.0	2477.4	375.2
14	0.71	10.1	0.7	2367.78	104.18	52.09	1.4	27.0	0.0	2338.0	376.7
15	1.01	13.2	1.0	2969.91	130.68	65.34	0.15	24.0	518.2	2497.9	88.8
16	0.41	15.9	0.4	1017.99	44.79	22.4	0.15	24.0	173.3	868.4	34.0
17	0.6	17.7	0.6	1216.96	53.55	26.77	0.15	24.0	208.2	1044.1	47.0
18	1.01	20.8	1.1	1435.75	63.17	31.59	0.15	24.0	186.4	1308.6	73.2
19	0.52	23.7	0.6	454.43	19.99	10.0	0.0	21.0	0.0	493.7	6.3
20	0.71	26.2	0.8	242.06	10.65	5.33	0.0	21.0	0.0	268.0	3.4

xc = 24.268 yc = 37.415 Rc = 32.576 Fs=1.211

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.27	10.9	0.3	70.11	3.08	1.54	0.0	21.0	0.0	67.3	21.3
2	0.27	11.4	0.3	209.45	9.22	4.61	0.0	21.0	0.0	200.8	63.7
3	0.33	12.0	0.3	448.34	19.73	9.86	0.0	21.0	0.0	429.4	136.1
4	0.21	12.5	0.2	344.07	15.14	7.57	0.0	21.0	0.0	329.3	104.4
5	0.27	12.9	0.3	449.04	19.76	9.88	0.0	21.0	0.0	429.5	136.2
6	0.27	13.4	0.3	448.41	19.73	9.87	0.0	21.0	0.0	428.6	135.9
7	0.26	13.9	0.3	430.53	18.94	9.47	0.0	21.0	0.0	411.3	130.4
8	0.28	14.3	0.3	453.11	19.94	9.97	0.0	21.0	0.0	432.6	137.2
9	0.27	14.8	0.3	420.76	18.51	9.26	0.0	21.0	0.0	401.5	127.3
10	0.27	15.3	0.3	403.21	17.74	8.87	0.0	21.0	0.0	384.7	121.9
11	0.19	15.7	0.2	269.19	11.84	5.92	0.0	21.0	0.0	256.7	81.4
12	0.35	16.2	0.4	461.41	20.3	10.15	0.0	21.0	0.0	440.0	139.5
13	0.27	16.8	0.3	304.46	13.4	6.7	0.0	21.0	0.0	290.2	92.0
14	0.38	17.4	0.4	357.85	15.75	7.87	0.0	21.0	0.0	341.1	108.1
15	0.15	17.9	0.2	119.05	5.24	2.62	0.0	21.0	0.0	113.5	36.0
16	0.27	18.3	0.3	175.89	7.74	3.87	0.0	21.0	0.0	167.7	53.2
17	0.27	18.8	0.3	134.74	5.93	2.96	0.0	21.0	0.0	128.5	40.7
18	0.31	19.3	0.3	102.83	4.52	2.26	0.0	21.0	0.0	98.1	31.1
19	0.23	19.9	0.2	41.73	1.84	0.92	0.0	21.0	0.0	39.8	12.6
20	0.27	20.3	0.3	17.72	0.78	0.39	0.0	21.0	0.0	16.9	5.4

xc = 27.276 yc = 35.823 Rc = 31.114 Fs=1.33

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	4.2	0.5	101.63	4.47	2.24	0.0	21.0	46.9	53.7	15.5
2	0.41	5.0	0.4	231.77	10.2	5.1	0.0	21.0	62.7	165.6	47.8
3	0.58	5.9	0.6	783.28	34.46	17.23	0.0	21.0	118.0	649.5	187.4
4	0.42	6.8	0.4	1008.83	44.39	22.19	0.0	21.0	102.6	882.2	254.6
5	0.57	7.8	0.6	1629.68	71.71	35.85	0.0	21.0	149.2	1437.7	414.9
6	0.44	8.7	0.4	1293.85	56.93	28.46	0.0	21.0	120.0	1137.3	328.2
7	0.55	9.6	0.6	1636.03	71.99	35.99	0.0	21.0	152.9	1434.1	413.8
8	0.45	10.6	0.5	1331.71	58.6	29.3	0.0	21.0	128.7	1161.3	335.1
9	0.54	11.5	0.5	1500.02	66.0	33.0	0.0	21.0	144.7	1306.4	377.0
10	0.47	12.4	0.5	1215.83	53.5	26.75	0.0	21.0	116.2	1058.7	305.5
11	0.52	13.4	0.5	1237.27	54.44	27.22	0.0	21.0	119.0	1075.6	310.4
12	0.49	14.3	0.5	1059.61	46.62	23.31	0.0	21.0	91.6	930.5	268.5
13	0.5	15.3	0.5	1008.31	44.37	22.18	0.0	21.0	71.1	900.6	259.9
14	0.5	16.2	0.5	924.38	40.67	20.34	0.0	21.0	47.5	842.5	243.1
15	0.49	17.2	0.5	804.04	35.38	17.69	0.0	21.0	14.4	758.9	219.0
16	0.52	18.2	0.5	733.75	32.28	16.14	0.0	21.0	0.0	705.4	203.6
17	0.47	19.1	0.5	538.38	23.69	11.84	0.0	21.0	0.0	518.0	149.5
18	0.5	20.1	0.5	407.05	17.91	8.96	0.0	21.0	0.0	392.0	113.1
19	0.5	21.0	0.5	244.65	10.76	5.38	0.0	21.0	0.0	235.9	68.1
20	0.5	22.0	0.5	83.81	3.69	1.84	0.0	21.0	0.0	81.0	23.4

xc = 30.284 yc = 37.415 Rc = 32.822 Fs=3.187

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.86	-2.7	0.9	41.72	1.84	0.92	0.0	21.0	0.0	42.0	5.1
2	1.01	-1.0	1.0	710.4	31.26	15.63	0.0	21.0	313.0	398.3	48.0
3	1.01	0.7	1.0	2355.0	103.62	51.81	0.0	21.0	521.3	1831.1	220.6
4	1.01	2.5	1.0	3672.25	161.58	80.79	0.0	21.0	673.2	2986.3	359.7
5	0.5	3.8	0.5	1931.92	85.0	42.5	0.15	24.0	380.6	1525.0	449.6
6	0.5	4.7	0.5	1977.12	86.99	43.5	0.15	24.0	406.6	1538.8	453.4
7	1.01	6.0	1.0	3860.67	169.87	84.93	0.15	24.0	871.5	2912.9	883.2
8	1.01	7.8	1.0	3648.11	160.52	80.26	0.15	24.0	929.4	2628.7	845.2
9	1.01	9.5	1.0	3495.88	153.82	76.91	0.15	24.0	955.4	2438.2	820.9
10	1.01	11.3	1.0	3319.4	146.05	73.03	0.15	24.0	949.0	2257.6	798.4
11	0.73	12.9	0.7	2191.89	96.44	48.22	0.15	24.0	653.8	1451.3	553.2
12	1.29	14.7	1.3	3329.29	146.49	73.24	0.15	24.0	1071.6	2093.2	918.4
13	0.47	16.3	0.5	1017.88	44.79	22.39	0.15	24.0	346.9	607.6	313.0
14	0.54	17.2	0.6	1036.09	45.59	22.79	0.15	24.0	366.7	592.7	349.3
15	1.01	18.6	1.1	1621.83	71.36	35.68	0.15	24.0	562.9	906.5	626.4

16	1.01	20.5	1.1	1252.19	55.1	27.55	0.0	21.0	383.7	887.1	106.9
17	1.01	22.3	1.1	881.07	38.77	19.38	0.0	21.0	166.8	735.8	88.6
18	1.01	24.3	1.1	567.64	24.98	12.49	0.0	21.0	0.0	590.6	71.1
19	0.69	25.9	0.8	247.15	10.87	5.44	0.0	21.0	0.0	259.6	31.3
20	0.88	27.4	1.0	170.49	7.5	3.75	0.0	21.0	0.0	180.8	21.8

xc = 33.291 yc = 35.823 Rc = 31.36 Fs=2.883

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	-6.6	1.0	574.19	25.26	12.63	0.0	21.0	247.2	334.3	44.5
2	1.01	-4.8	1.0	2399.49	105.58	52.79	0.0	21.0	545.4	1881.4	250.5
3	1.01	-2.9	1.0	3897.03	171.47	85.73	0.15	24.0	793.3	3159.4	1012.2
4	1.01	-1.1	1.0	4318.44	190.01	95.01	0.15	24.0	1008.5	3330.1	1038.0
5	1.01	0.8	1.0	4445.42	195.6	97.8	0.15	24.0	1179.2	3252.8	1026.0
6	1.01	2.6	1.0	4408.27	193.96	96.98	0.15	24.0	1329.5	3036.9	993.1
7	1.01	4.4	1.0	4430.17	194.93	97.46	0.15	24.0	1447.1	2916.2	975.5
8	1.01	6.3	1.0	4427.03	194.79	97.39	0.15	24.0	1532.0	2806.7	960.2
9	2.01	9.1	2.0	8236.14	362.39	181.2	0.15	24.0	3182.3	4829.4	1806.3
10	1.01	11.9	1.0	3683.96	162.09	81.05	0.15	24.0	1574.3	1979.0	840.7
11	1.01	13.8	1.0	3425.02	150.7	75.35	0.15	24.0	1511.9	1770.6	812.5
12	1.01	15.7	1.0	3229.03	142.08	71.04	0.15	24.0	1426.1	1648.7	798.4
13	1.01	17.6	1.1	3029.04	133.28	66.64	0.15	24.0	1303.8	1559.4	790.1
14	1.01	19.5	1.1	2888.06	127.07	63.54	0.15	24.0	1132.0	1579.7	799.5
15	1.01	21.5	1.1	2831.57	124.59	62.29	0.15	24.0	933.4	1714.2	827.4
16	1.01	23.5	1.1	2698.45	118.73	59.37	0.15	24.0	694.5	1815.1	851.1
17	1.01	25.5	1.1	2494.61	109.76	54.88	0.15	24.0	413.5	1889.9	871.9
18	2.01	28.6	2.3	2884.55	126.92	63.46	0.0	21.0	0.0	3063.2	407.9
19	1.01	31.8	1.2	943.84	41.53	20.76	0.0	21.0	0.0	1025.7	136.6
20	2.1	35.2	2.6	2058.57	90.58	45.29	0.0	21.0	0.0	2303.1	306.7

xc = 36.299 yc = 37.415 Rc = 33.068 Fs=2.316

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.45	-11.1	0.5	136.11	5.99	2.99	0.0	21.0	3.9	139.3	23.1
2	1.01	-9.8	1.0	1924.75	84.69	42.34	0.0	21.0	288.8	1708.8	283.2
3	1.01	-8.0	1.0	3586.67	157.81	78.91	0.0	21.0	627.0	3060.1	507.2
4	1.01	-6.2	1.0	4175.83	183.74	91.87	0.15	24.0	933.4	3405.2	1310.1

5	1.01	-4.5	1.0	4478.3	197.05	98.52	0.15	24.0	1196.6	3394.6	1306.2
6	1.01	-2.7	1.0	4619.32	203.25	101.63	0.15	24.0	1440.6	3243.7	1275.9
7	1.01	-1.0	1.0	4822.54	212.19	106.1	0.15	24.0	1653.7	3191.6	1265.2
8	3.02	2.5	3.0	15076.3	663.36	331.68	0.15	24.0	5926.1	8998.8	3686.5
9	3.02	7.7	3.0	14376.88	632.58	316.29	0.15	24.0	6694.6	7294.0	3375.0
10	1.06	11.3	1.1	5094.32	224.15	112.08	0.15	24.0	2368.3	2542.1	1189.1
11	0.95	13.1	1.0	4658.19	204.96	102.48	0.15	24.0	2088.6	2384.3	1091.3
12	1.01	14.9	1.0	5105.94	224.66	112.33	0.15	24.0	2130.5	2758.9	1204.5
13	1.01	16.7	1.1	5225.86	229.94	114.97	0.15	24.0	2024.7	2967.1	1250.6
14	1.01	18.5	1.1	5288.44	232.69	116.35	0.15	24.0	1883.9	3157.1	1294.0
15	2.01	21.3	2.2	9305.23	409.43	204.72	0.15	24.0	3197.2	5591.6	2473.5
16	1.01	24.1	1.1	4598.43	202.33	101.17	0.15	24.0	1227.5	3106.4	1311.0
17	1.01	26.0	1.1	4845.21	213.19	106.59	0.15	24.0	946.0	3643.2	1425.5
18	1.01	28.0	1.1	4890.3	215.17	107.59	0.15	24.0	657.8	3993.1	1505.5
19	1.01	30.0	1.2	4273.23	188.02	94.01	0.15	24.0	312.8	3725.2	1468.4
20	3.58	34.8	4.4	7598.17	334.32	167.16	0.0	21.0	0.0	8295.6	1374.8

xc = 42.314 yc = 37.415 Rc = 33.314 Fs=5.55

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.29	-19.8	0.3	127.44	5.61	2.8	0.0	21.0	0.0	138.9	9.6
2	1.01	-18.6	1.1	1408.66	61.98	30.99	0.0	21.0	0.0	1521.6	105.3
3	1.01	-16.8	1.1	2350.06	103.4	51.7	0.0	21.0	0.0	2506.8	173.4
4	1.01	-15.0	1.0	2994.31	131.75	65.87	0.0	21.0	408.1	2727.6	188.7
5	1.01	-13.2	1.0	3482.0	153.21	76.6	0.15	24.0	842.0	2830.2	506.4
6	1.01	-11.4	1.0	4041.74	177.84	88.92	0.15	24.0	1242.7	2959.6	514.9
7	3.02	-7.9	3.0	14847.84	653.31	326.65	0.15	24.0	5805.8	9347.7	1573.7
8	6.04	-0.1	6.0	37750.11	1661.01	830.5	0.15	24.0	18273.2	19482.3	3194.8
9	2.01	6.8	2.0	16720.27	735.69	367.85	1.4	27.0	0.0	16049.5	6586.6
10	2.01	10.4	2.0	17299.44	761.18	380.59	1.4	27.0	0.0	16368.6	6663.5
11	2.01	13.9	2.1	18664.36	821.23	410.62	1.4	27.0	0.0	17535.1	6839.5
12	1.01	16.6	1.0	10376.07	456.55	228.27	1.4	27.0	0.0	9770.6	3545.5
13	2.01	19.3	2.1	20225.08	889.9	444.95	1.4	27.0	0.0	18936.6	7118.0
14	2.01	23.0	2.2	18026.75	793.18	396.59	1.4	27.0	0.0	16595.3	7039.9
15	1.23	26.1	1.4	9525.46	419.12	209.56	1.4	27.0	0.0	8533.5	4232.9
16	1.79	29.0	2.0	11300.44	497.22	248.61	0.15	24.0	3678.6	8051.0	1199.4
17	2.01	32.8	2.4	9844.95	433.18	216.59	0.15	24.0	2682.7	7707.9	1265.8
18	2.01	37.1	2.5	6584.83	289.73	144.87	0.15	24.0	741.8	6419.2	1196.7
19	1.3	40.7	1.7	3657.3	160.92	80.46	0.15	24.0	0.0	4140.9	795.3
20	1.78	44.3	2.5	1659.07	73.0	36.5	0.0	21.0	0.0	2172.5	150.3

xc = 45.322 yc = 35.823 Rc = 31.852 Fs=5.911

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.85	-23.2	0.9	387.71	17.06	8.53	0.0	21.0	0.0	433.9	28.2
2	1.01	-21.4	1.1	1258.52	55.37	27.69	0.0	21.0	0.0	1386.9	90.1
3	1.01	-19.5	1.1	1965.14	86.47	43.23	0.0	21.0	26.7	2104.1	136.6
4	1.01	-17.5	1.1	2722.14	119.77	59.89	0.0	21.0	545.4	2330.9	151.4
5	3.02	-13.8	3.1	12144.88	534.37	267.19	0.15	24.0	4383.2	8340.6	1416.9
6	5.03	-6.4	5.1	30058.21	1322.56	661.28	0.15	24.0	14453.0	15985.8	2488.7
7	1.01	-1.0	1.0	8118.46	357.21	178.61	1.4	27.0	0.0	8172.7	3087.7
8	2.01	1.7	2.0	18351.64	807.47	403.74	1.4	27.0	0.0	18168.5	6334.1
9	2.01	5.4	2.0	19761.52	869.51	434.75	1.4	27.0	0.0	19243.5	6445.5
10	2.01	9.0	2.0	21951.92	965.88	482.94	1.4	27.0	0.0	21171.5	6650.3
11	2.01	12.7	2.1	24722.08	1087.77	543.89	1.4	27.0	0.0	23779.2	6935.0
12	2.01	16.4	2.1	23932.45	1053.03	526.51	1.4	27.0	0.0	22903.8	6943.3
13	1.01	19.3	1.1	11533.62	507.48	253.74	1.4	27.0	0.0	10996.7	3494.3
14	1.0	21.2	1.1	10816.61	475.93	237.97	1.4	27.0	0.0	10275.5	3420.2
15	2.01	24.2	2.2	19604.63	862.6	431.3	1.4	27.0	0.0	18431.1	6812.7
16	1.01	27.2	1.1	8835.4	388.76	194.38	1.4	27.0	0.0	8194.0	3384.9
17	1.01	29.2	1.2	8370.65	368.31	184.15	1.4	27.0	0.0	7693.0	3393.8
18	1.01	31.3	1.2	7692.9	338.49	169.24	1.4	27.0	0.0	6943.6	3388.2
19	1.01	33.5	1.2	7362.7	323.96	161.98	1.4	27.0	0.0	6563.7	3422.5
20	5.89	41.7	7.9	28006.23	1232.27	616.14	0.15	24.0	1116.7	32066.2	4416.0

xc = 48.33 yc = 37.415 Rc = 33.56 Fs=6.719

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.72	-23.7	0.8	228.34	10.05	5.02	0.0	21.0	0.0	255.7	14.6
2	1.01	-22.1	1.1	1119.13	49.24	24.62	0.0	21.0	0.0	1236.3	70.6
3	3.02	-18.4	3.2	8224.63	361.88	180.94	0.15	24.0	2319.9	6606.5	1148.1
4	4.02	-12.2	4.1	20115.31	885.07	442.54	0.15	24.0	9463.1	11258.1	1665.3
5	2.01	-6.9	2.0	14787.84	650.66	325.33	1.4	27.0	0.0	15555.8	5403.9
6	2.01	-3.5	2.0	18667.95	821.39	410.69	1.4	27.0	0.0	19047.6	5645.5
7	2.01	-0.1	2.0	20943.53	921.52	460.76	1.4	27.0	0.0	20949.2	5781.9
8	2.01	3.4	2.0	24037.46	1057.65	528.82	1.4	27.0	0.0	23724.8	5999.7
9	1.01	6.0	1.0	13728.05	604.03	302.02	1.4	27.0	0.0	13475.7	3129.9
10	2.01	8.6	2.0	28300.1	1245.2	622.6	1.4	27.0	0.0	27664.5	6338.4
11	2.01	12.1	2.1	28012.58	1232.55	616.28	1.4	27.0	0.0	27286.6	6357.1
12	1.91	15.5	2.0	25653.88	1128.77	564.39	1.4	27.0	0.0	24954.1	6015.3

13	1.11	18.2	1.2	14164.28	623.23	311.61	1.4	27.0	0.013	765.1	3482.8
14	1.01	20.1	1.1	12505.01	550.22	275.11	1.4	27.0	0.012	161.7	3155.0
15	1.01	22.0	1.1	12393.55	545.32	272.66	1.4	27.0	0.012	082.0	3176.7
16	1.01	23.8	1.1	12092.34	532.06	266.03	1.4	27.0	0.011	811.1	3187.5
17	1.01	25.7	1.1	12165.57	535.29	267.64	1.4	27.0	0.011	945.7	3232.9
18	1.01	27.6	1.1	12310.79	541.67	270.84	1.4	27.0	0.012	173.6	3289.7
19	1.01	29.6	1.2	11703.02	514.93	257.47	1.4	27.0	0.011	590.0	3290.0
20	8.69	40.4	11.4	58010.77	2552.47	1276.24	1.4	27.0	0.052	550.4	27745.6

xc = 51.337 yc = 35.823 Rc = 31.625 Fs=5.777

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.01	-23.5	1.1	454.84	20.01	10.01	0.0	21.0	0.0	510.7	33.9
2	1.01	-21.5	1.1	1276.85	56.18	28.09	0.0	21.0	300.8	1077.4	71.6
3	1.01	-19.6	1.1	2163.27	95.18	47.59	0.15	24.0	847.8	1536.6	395.7
4	1.01	-17.6	1.1	3119.5	137.26	68.63	0.15	24.0	1368.4	1973.0	426.2
5	1.01	-15.7	1.0	4070.16	179.09	89.54	0.15	24.0	1851.8	2434.1	459.0
6	1.01	-13.8	1.0	5082.44	223.63	111.81	0.15	24.0	2287.0	3002.5	500.4
7	1.01	-12.0	1.0	6186.07	272.19	136.09	0.15	24.0	2699.0	3681.6	550.8
8	1.01	-10.1	1.0	7224.32	317.87	158.94	0.15	24.0	3076.5	4320.1	598.3
9	3.02	-6.4	3.0	27492.46	1209.67	604.83	1.4	27.0	0.028	784.8	9899.8
10	8.05	3.6	8.1	112618.1	4955.2	2477.6	1.4	27.0	0.011	0980.5	29333.1
11	2.01	12.8	2.1	27815.27	1223.87	611.94	1.4	27.0	0.026	849.1	7369.3
12	2.01	16.6	2.1	27464.76	1208.45	604.22	1.4	27.0	0.026	446.9	7421.2
13	2.01	20.5	2.1	27070.9	1191.12	595.56	1.4	27.0	0.026	093.1	7505.9
14	2.01	24.4	2.2	28487.02	1253.43	626.71	1.4	27.0	0.027	742.3	7801.6
15	2.01	28.5	2.3	26989.95	1187.56	593.78	1.4	27.0	0.026	431.5	7879.0
16	1.01	31.6	1.2	12072.99	531.21	265.61	1.4	27.0	0.011	766.2	3917.9
17	1.0	33.8	1.2	10858.15	477.76	238.88	1.4	27.0	0.010	494.1	3842.7
18	1.01	36.0	1.2	9912.24	436.14	218.07	1.4	27.0	0.0	9457.0	3848.5
19	1.27	38.6	1.6	10514.87	462.65	231.33	1.4	27.0	0.0	9626.7	4796.1
20	4.27	45.6	6.1	18423.97	810.65	405.33	0.15	24.0	555.5	22185.4	3294.8

xc = 54.345 yc = 37.415 Rc = 32.631 Fs=5.757

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.55	-22.3	0.6	157.55	6.93	3.47	0.0	21.0	0.0	175.0	11.7

2	1.01	-20.8	1.1	1159.14	51.0	25.5	0.0	21.0	317.2	924.0	61.6
3	1.01	-18.9	1.1	2353.32	103.55	51.77	0.15	24.0	850.6	1729.3	410.9
4	1.01	-17.1	1.1	3640.36	160.18	80.09	0.15	24.0	1359.1	2530.4	469.9
5	1.01	-15.2	1.0	4859.51	213.82	106.91	0.15	24.0	1831.9	3280.5	525.4
6	3.02	-11.6	3.1	20549.91	904.2	452.1	0.15	24.0	7986.2	13199.6	1823.7
7	6.04	-3.6	6.0	72831.01	3204.56	1602.28	1.4	27.0	0.0	74301.0	21285.5
8	2.01	3.5	2.0	27358.09	1203.76	601.88	1.4	27.0	0.0	26961.7	7289.1
9	2.01	7.1	2.0	27613.4	1214.99	607.49	1.4	27.0	0.0	26918.0	7313.5
10	1.01	9.7	1.0	14002.19	616.1	308.05	1.4	27.0	0.0	13574.5	3684.1
11	2.01	12.5	2.1	29097.56	1280.29	640.15	1.4	27.0	0.0	28141.9	7502.2
12	2.01	16.1	2.1	31317.53	1377.97	688.99	1.4	27.0	0.0	30350.5	7779.6
13	2.01	19.8	2.1	30949.73	1361.79	680.89	1.4	27.0	0.0	30064.6	7862.5
14	1.38	23.0	1.5	20943.96	921.53	460.77	1.4	27.0	0.0	20439.5	5451.0
15	1.64	25.9	1.8	23029.49	1013.3	506.65	1.4	27.0	0.0	22483.5	6424.4
16	1.01	28.5	1.1	13372.57	588.39	294.2	1.4	27.0	0.0	13077.8	3942.5
17	1.27	30.8	1.5	15531.96	683.41	341.7	1.4	27.0	0.0	15137.8	4944.2
18	1.22	33.4	1.5	12954.97	570.02	285.01	1.4	27.0	0.0	12447.2	4659.2
19	0.68	35.4	0.8	6752.09	297.09	148.55	1.4	27.0	0.0	6431.8	2607.8
20	5.35	42.6	7.3	48352.48	2127.51	1063.76	1.4	27.0	0.0	45704.5	21722.9

xc = 57.353 yc = 35.823 Rc = 24.031 Fs=0.991

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	6.9	0.3	9.24	0.41	0.2	0.0	21.0	0.0	8.9	3.4
2	0.62	8.0	0.6	132.59	5.83	2.92	0.0	21.0	0.0	127.0	49.2
3	0.39	9.2	0.4	170.09	7.48	3.74	0.0	21.0	0.0	162.2	62.8
4	0.48	10.2	0.5	246.14	10.83	5.42	0.0	21.0	0.0	233.8	90.5
5	0.52	11.4	0.5	250.02	11.0	5.5	0.0	21.0	0.0	236.5	91.6
6	0.35	12.5	0.4	236.15	10.39	5.2	0.0	21.0	0.0	222.8	86.3
7	0.65	13.7	0.7	836.38	36.8	18.4	0.0	21.0	0.0	786.5	304.6
8	0.22	14.8	0.2	367.83	16.18	8.09	0.0	21.0	0.0	345.1	133.7
9	0.44	15.6	0.5	749.92	33.0	16.5	0.0	21.0	0.0	702.6	272.1
10	0.35	16.6	0.4	612.59	26.95	13.48	0.0	21.0	0.0	573.1	221.9
11	0.52	17.7	0.6	892.88	39.29	19.64	0.0	21.0	0.0	834.1	323.1
12	0.48	19.0	0.5	756.77	33.3	16.65	0.0	21.0	0.0	706.2	273.5
13	0.39	20.1	0.4	602.9	26.53	13.26	0.0	21.0	0.0	562.3	217.8
14	0.61	21.4	0.7	995.03	43.78	21.89	0.0	21.0	0.0	927.9	359.4
15	0.26	22.5	0.3	415.02	18.26	9.13	0.0	21.0	0.0	387.1	149.9
16	0.44	23.4	0.5	620.5	27.3	13.65	0.0	21.0	0.0	579.1	224.3
17	0.31	24.3	0.3	376.47	16.56	8.28	0.0	21.0	0.0	351.6	136.2
18	0.56	25.5	0.6	499.57	21.98	10.99	0.0	21.0	0.0	467.2	180.9
19	0.44	26.8	0.5	187.61	8.25	4.13	0.0	21.0	0.0	175.8	68.1
20	0.44	28.0	0.5	49.28	2.17	1.08	0.0	21.0	0.0	46.3	17.9

xc = 60.36 yc = 37.415 Rc = 25.519 Fs=3.259

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.45	-0.5	0.5	53.19	2.34	1.17	0.0	21.0	0.0	53.2	6.3
2	1.01	1.2	1.0	586.32	25.8	12.9	0.0	21.0	0.0	585.1	68.9
3	0.48	2.8	0.5	463.56	20.4	10.2	0.0	21.0	0.0	461.4	54.3
4	0.53	4.0	0.5	557.65	24.54	12.27	0.0	21.0	0.0	554.5	65.3
5	1.01	5.7	1.0	1851.82	81.48	40.74	0.0	21.0	0.0	1839.4	216.6
6	0.41	7.3	0.4	1071.12	47.13	23.56	0.0	21.0	0.0	1063.8	125.3
7	0.6	8.4	0.6	1700.83	74.84	37.42	0.15	24.0	0.0	1644.7	504.2
8	1.01	10.2	1.0	2975.36	130.92	65.46	0.15	24.0	0.0	2867.7	862.3
9	0.33	11.8	0.3	1006.47	44.28	22.14	0.15	24.0	0.0	968.1	287.9
10	0.68	12.9	0.7	2209.98	97.24	48.62	0.15	24.0	0.0	2127.6	609.4
11	0.62	14.4	0.6	2074.44	91.28	45.64	0.15	24.0	0.0	1996.4	565.9
12	0.39	15.6	0.4	1266.3	55.72	27.86	0.15	24.0	0.0	1216.4	352.1
13	0.9	17.1	0.9	2670.17	117.49	58.74	0.15	24.0	0.0	2552.7	783.4
14	0.65	18.9	0.7	1677.91	73.83	36.91	0.15	24.0	0.0	1591.5	531.7
15	0.46	20.3	0.5	1157.73	50.94	25.47	0.15	24.0	0.0	1094.9	377.0
16	1.01	22.0	1.1	2308.05	101.55	50.78	0.15	24.0	0.0	2167.9	795.6
17	0.47	23.8	0.5	911.06	40.09	20.04	0.15	24.0	0.0	841.2	350.5
18	0.8	25.4	0.9	1168.98	51.44	25.72	0.15	24.0	0.0	1032.6	550.8
19	0.49	27.0	0.5	434.85	19.13	9.57	0.15	24.0	0.0	336.2	297.9
20	0.65	28.4	0.7	214.9	9.46	4.73	0.15	24.0	0.0	57.0	345.9

xc = 63.368 yc = 35.823 Rc = 32.361 Fs=4.817

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.33	-32.2	0.4	92.57	4.07	2.04	0.0	21.0	0.0	115.2	9.2
2	3.02	-28.8	3.4	9033.33	397.47	198.73	0.15	24.0	1924.8	9169.2	1920.4
3	4.02	-21.9	4.3	37554.92	1652.42	826.21	1.4	27.0	0.047	579.8	17642.8
4	2.01	-16.2	2.1	26360.66	1159.87	579.93	1.4	27.0	0.030	153.1	9281.2
5	2.04	-12.5	2.1	30628.62	1347.66	673.83	1.4	27.0	0.033	508.5	9617.7
6	1.98	-8.9	2.0	32641.62	1436.23	718.12	1.4	27.0	0.034	521.8	9491.3
7	1.01	-6.2	1.0	17711.03	779.29	389.64	1.4	27.0	0.018	346.8	4882.6
8	1.01	-4.4	1.0	18711.36	823.3	411.65	1.4	27.0	0.019	150.6	4959.1
9	1.01	-2.6	1.0	19536.43	859.6	429.8	1.4	27.0	0.019	788.3	5020.9

10	1.01	-0.9	1.02	0754.56	913.2	456.6	1.4	27.0	0.02	0833.2	5128.7
11	1.01	0.9	1.02	2067.72	970.98	485.49	1.4	27.0	0.02	1985.5	5250.6
12	1.01	2.7	1.02	2655.84	996.86	498.43	1.4	27.0	0.02	2430.2	5300.6
13	1.01	4.5	1.02	3292.03	1024.85	512.42	1.4	27.0	0.02	2942.4	5360.5
14	3.02	8.1	3.07	1498.03	3145.91	1572.96	1.4	27.0	0.06	9905.9	16256.7
15	10.8	21.1	11.62	81783.11	2398.46	6199.23	1.4	27.0	0.02	77708.2	63031.9
16	2.28	33.8	2.85	9427.02	2614.79	1307.4	1.4	27.0	0.06	1802.3	14533.4
17	2.93	39.6	3.86	4968.07	2858.6	1429.3	1.4	27.0	0.06	9154.7	18361.7
18	2.1	45.7	3.02	8133.78	1237.89	618.94	1.4	27.0	0.02	8270.4	11711.0
19	1.83	50.9	2.91	5792.4	694.87	347.43	1.4	27.0	0.01	2967.5	9810.7
20	2.28	57.2	4.27	120.63	313.31	156.65	0.15	24.0	0.0	9713.1	2211.4

xc = 66.376 yc = 37.415 Rc = 33.902 Fs=5.005

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.51	-31.7	1.81	644.48	72.36	36.18	0.0	21.0	0.0	2030.0	155.7
2	1.01	-29.3	1.23	437.51	151.25	75.63	0.15	24.0	616.5	3607.2	666.6
3	1.01	-27.3	1.15	619.59	247.26	123.63	0.15	24.0	1353.5	5217.5	803.6
4	1.01	-25.4	1.17	599.24	334.37	167.18	0.15	24.0	2083.5	6543.2	916.0
5	1.01	-23.6	1.18	975.15	394.91	197.45	1.4	27.0	0.01	1648.1	4256.5
6	1.01	-21.7	1.11	0353.95	455.57	227.79	1.4	27.0	0.01	2874.4	4340.4
7	1.01	-19.9	1.11	1590.58	509.99	254.99	1.4	27.0	0.01	3923.6	4410.9
8	1.01	-18.1	1.11	2753.41	561.15	280.58	1.4	27.0	0.01	4880.8	4476.1
9	3.02	-14.6	3.14	4189.54	1944.34	972.17	1.4	27.0	0.04	9229.0	13736.2
10	12.35	-1.4	12.42	82347.7	12423.3	6211.65	1.4	27.0	0.02	84027.8	63476.7
11	1.21	10.1	1.22	9934.21	1317.11	658.55	1.4	27.0	0.02	9262.1	6418.2
12	0.68	11.7	0.71	7132.91	753.85	376.92	1.4	27.0	0.01	6739.4	3655.2
13	0.82	13.0	0.82	0840.28	916.97	458.49	1.4	27.0	0.02	0368.6	4418.4
14	0.27	14.0	0.36	828.52	300.45	150.23	1.4	27.0	0.0	6674.8	1454.4
15	8.98	22.4	9.72	68844.21	1829.14	5914.57	1.4	27.0	0.02	68363.2	54510.3
16	1.76	32.5	2.14	8029.03	2113.28	1056.64	1.4	27.0	0.04	9966.9	10931.2
17	0.08	34.3	0.11	858.21	81.76	40.88	1.4	27.0	0.0	1921.0	481.5
18	1.01	35.4	1.22	1327.44	938.41	469.2	1.4	27.0	0.02	2115.8	5706.1
19	1.01	37.6	1.31	9719.81	867.67	433.84	1.4	27.0	0.02	0537.0	5641.0
20	8.1	49.2	12.49	0764.55	3993.64	1996.82	1.4	27.0	0.08	8298.1	43642.3

xc = 69.383 yc = 35.823 Rc = 32.183 Fs=5.074

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.97	-35.2	1.2	1382.45	60.83	30.41	0.0	21.0	0.0	1787.6	135.2
2	1.01	-33.1	1.2	3666.84	161.34	80.67	0.0	21.0	12.7	4587.3	347.0
3	1.01	-31.0	1.2	5316.26	233.92	116.96	0.15	24.0	861.8	5703.7	847.3
4	1.01	-28.9	1.1	6704.88	295.01	147.51	0.15	24.0	1672.6	6238.1	887.1
5	1.01	-26.9	1.1	7947.91	349.71	174.85	0.15	24.0	2436.2	6643.6	916.3
6	1.01	-24.9	1.1	9430.24	414.93	207.47	1.4	27.0	0.0	12391.9	4304.3
7	3.02	-21.0	3.2	36038.82	1585.71	792.85	1.4	27.0	0.0	43721.7	13311.5
8	10.06	-9.0	10.2	211662.2	9313.14	4656.57	1.4	27.0	0.0	222333.9	50432.6
9	2.28	2.1	2.3	57624.34	2535.47	1267.74	1.4	27.0	0.0	57220.5	12036.8
10	2.72	6.6	2.7	69434.64	3055.12	1527.56	1.4	27.0	0.0	68233.7	14406.7
11	1.88	10.7	1.9	49332.8	2170.64	1085.32	1.4	27.0	0.0	48293.4	10119.3
12	2.36	14.6	2.4	76654.7	3372.81	1686.4	1.4	27.0	0.0	75484.4	14307.8
13	2.36	19.0	2.5	80304.72	3533.41	1766.7	1.4	27.0	0.0	79797.8	14898.4
14	2.36	23.5	2.6	75827.61	3336.42	1668.21	1.4	27.0	0.0	76266.7	14758.0
15	2.06	27.9	2.3	62701.14	2758.85	1379.43	1.4	27.0	0.0	64123.3	12859.8
16	0.08	30.0	0.1	2140.72	94.19	47.1	1.4	27.0	0.0	2189.8	489.0
17	1.01	31.2	1.2	24827.06	1092.39	546.2	1.4	27.0	0.0	25501.6	5804.3
18	3.02	35.5	3.7	66051.72	2906.28	1453.14	1.4	27.0	0.0	68901.4	17147.7
19	5.63	46.0	8.1	84947.79	3737.7	1868.85	1.4	27.0	0.0	89808.5	31412.2
20	2.36	57.2	4.4	8844.98	389.18	194.59	0.15	24.0	919.5	11112.8	2261.8

xc = 72.391 yc = 37.415 Rc = 33.479 Fs=5.655

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.33	-37.2	0.4	98.27	4.32	2.16	0.0	21.0	0.0	130.0	8.8
2	1.01	-35.8	1.2	1512.53	66.55	33.28	0.0	21.0	0.0	1960.0	133.0
3	1.01	-33.7	1.2	3080.1	135.52	67.76	0.0	21.0	0.0	3876.4	263.1
4	1.01	-31.6	1.2	4522.86	199.01	99.5	0.15	24.0	633.5	5003.5	707.3
5	1.01	-29.6	1.2	5896.01	259.42	129.71	0.15	24.0	1448.7	5538.8	743.0
6	3.02	-25.8	3.4	25763.17	1133.58	566.79	1.4	27.0	0.0	34095.6	11369.2
7	10.06	-14.0	10.4	191403.7	8421.76	4210.88	1.4	27.0	0.0	208324.1	44437.9
8	2.28	-3.1	2.3	55928.47	2460.85	1230.43	1.4	27.0	0.0	56599.0	10748.8
9	2.72	1.2	2.7	68865.47	3030.08	1515.04	1.4	27.0	0.0	68618.9	12918.1
10	2.11	5.3	2.1	55958.79	2462.19	1231.09	1.4	27.0	0.0	55252.3	10212.0
11	2.45	9.2	2.5	84062.86	3698.77	1849.38	1.4	27.0	0.0	82951.1	13627.2
12	2.45	13.5	2.5	86532.88	3807.45	1903.72	1.4	27.0	0.0	85641.7	13963.0
13	2.45	17.9	2.6	83180.91	3659.96	1829.98	1.4	27.0	0.0	82934.0	13854.4
14	1.55	21.5	1.7	51323.44	2258.23	1129.12	1.4	27.0	0.0	51706.8	8779.4
15	0.08	23.0	0.1	2403.9	105.77	52.89	1.4	27.0	0.0	2422.6	445.4
16	1.01	24.0	1.1	28159.04	1239.0	619.5	1.4	27.0	0.0	28472.8	5292.6
17	3.02	27.9	3.4	78420.63	3450.51	1725.25	1.4	27.0	0.0	80424.9	15701.6

18	7.04	38.6	9.01	42981.3	6291.18	3145.59	1.4	27.0	0.01	54019.6	36174.6
19	2.02	48.9	3.12	0975.29	922.91	461.46	1.4	27.0	0.02	1015.1	9508.4
20	2.45	55.2	4.39	587.43	421.85	210.92	1.4	27.0	0.01	293.0	10771.9

xc = 75.399 yc = 35.823 Rc = 31.657 Fs=5.836

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.08	-39.4	0.1	5.65	0.25	0.12	0.0	21.0	0.0	7.7	0.5
2	1.01	-38.2	1.3	952.44	41.91	20.95	0.0	21.0	0.01	277.4	84.0
3	3.02	-33.7	3.61	2104.72	532.61	266.3	0.15	24.02	207.8	13192.4	1939.2
4	6.04	-24.4	6.67	0437.81	3099.26	1549.63	1.4	27.0	0.08	8071.2	23594.8
5	2.01	-16.5	2.13	8792.05	1706.85	853.43	1.4	27.0	0.04	3066.7	8795.2
6	3.02	-11.8	3.16	5422.19	2878.58	1439.29	1.4	27.0	0.06	9659.2	13479.9
7	2.49	-6.8	2.55	9475.81	2616.94	1308.47	1.4	27.0	0.06	1237.5	11370.3
8	1.5	-3.1	1.53	8727.04	1703.99	851.99	1.4	27.0	0.03	9167.3	7022.3
9	2.25	0.3	2.35	9465.69	2616.49	1308.25	1.4	27.0	0.05	9414.8	10594.4
10	2.38	4.5	2.48	3478.71	3673.06	1836.53	1.4	27.0	0.08	2720.0	12948.5
11	2.38	8.8	2.48	5691.19	3770.41	1885.21	1.4	27.0	0.08	4673.1	13169.9
12	2.38	13.2	2.48	3662.79	3681.16	1840.58	1.4	27.0	0.08	2862.4	13098.7
13	1.62	17.0	1.75	6412.27	2482.14	1241.07	1.4	27.0	0.05	6239.3	8978.2
14	0.08	18.6	0.12	556.48	112.49	56.24	1.4	27.0	0.02	550.3	436.4
15	1.01	19.6	1.13	0089.5	1323.94	661.97	1.4	27.0	0.03	0094.3	5190.1
16	3.02	23.6	3.38	5486.39	3761.4	1880.7	1.4	27.0	0.08	6525.7	15454.9
17	7.04	34.3	8.51	67724.1	7379.86	3689.93	1.4	27.0	0.01	78440.9	36030.6
18	1.5	43.9	2.12	3843.24	1049.1	524.55	1.4	27.0	0.02	6084.4	7286.7
19	1.51	47.9	2.31	8676.81	821.78	410.89	1.4	27.0	0.01	9928.4	7154.0
20	3.25	55.0	5.71	7375.82	764.54	382.27	1.4	27.0	0.09	689.7	14427.0

xc = 78.406 yc = 37.415 Rc = 30.704 Fs=6.989

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.51	-34.3	0.6	258.24	11.36	5.68	0.0	21.0	0.0	324.6	17.8
2	1.01	-32.6	1.21	773.27	78.02	39.01	0.0	21.0	0.02	180.7	119.8
3	1.01	-30.4	1.23	941.88	173.44	86.72	0.15	24.0	392.3	4426.0	532.3
4	1.01	-28.2	1.16	182.35	272.02	136.01	0.15	24.01	176.0	6018.6	628.5
5	1.01	-26.1	1.17	974.18	350.86	175.43	1.4	27.0	0.01	0349.5	2999.0
6	1.01	-24.0	1.19	845.96	433.22	216.61	1.4	27.0	0.01	2159.6	3093.3

7	3.02	-20.0	3.23	8344.44	1687.16	843.58	1.4	27.0	0.04	4325.6	9666.4
8	8.59	-8.9	8.71	75600.1	7726.41	3863.2	1.4	27.0	0.01	82517.8	30717.6
9	2.14	1.3	2.16	6213.36	2913.39	1456.69	1.4	27.0	0.06	6027.8	9108.2
10	2.14	5.3	2.26	6024.04	2905.06	1452.53	1.4	27.0	0.06	5465.9	9084.5
11	3.14	10.3	3.29	6094.98	4228.18	2114.09	1.4	27.0	0.09	5243.1	13335.5
12	2.1	15.3	2.25	4112.4	2380.95	1190.47	1.4	27.0	0.05	3833.0	8278.7
13	2.01	19.3	2.14	9512.87	2178.57	1089.28	1.4	27.0	0.04	9695.3	7893.9
14	2.01	23.3	2.24	7240.28	2078.57	1039.29	1.4	27.0	0.04	8041.9	7892.3
15	2.01	27.5	2.34	5069.33	1983.05	991.53	1.4	27.0	0.04	6670.4	7946.6
16	2.01	31.8	2.43	9824.88	1752.29	876.15	1.4	27.0	0.04	2022.9	7807.5
17	2.01	36.4	2.53	3454.91	1472.02	736.01	1.4	27.0	0.03	5929.1	7624.9
18	2.01	41.2	2.72	6048.66	1146.14	573.07	1.4	27.0	0.02	8131.3	7407.3
19	1.98	46.4	2.91	7072.27	751.18	375.59	1.4	27.0	0.01	7384.1	7012.5
20	2.14	52.3	3.5	6223.63	273.84	136.92	1.4	27.0	0.0	996.6	7094.9

xc = 81.414 yc = 35.823 Rc = 27.537 Fs=7.916

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.62	-36.4	0.8	329.57	14.5	7.25	0.0	21.0	0.0	424.3	20.6
2	1.01	-34.3	1.22	153.48	94.75	47.38	0.0	21.0	0.0	2695.5	130.7
3	3.02	-29.4	3.51	5834.01	696.7	348.35	0.15	24.01	812.5	17005.7	1613.0
4	3.5	-21.9	3.83	5828.14	1576.44	788.22	1.4	27.0	0.04	2383.0	9397.6
5	1.77	-16.0	1.82	4813.9	1091.81	545.91	1.4	27.0	0.02	7258.6	5008.4
6	1.85	-12.2	1.92	8698.16	1262.72	631.36	1.4	27.0	0.03	0500.1	5312.4
7	1.96	-8.1	2.04	7405.72	2085.85	1042.93	1.4	27.0	0.04	8834.3	6644.9
8	1.96	-4.0	2.05	3259.31	2343.41	1171.71	1.4	27.0	0.05	3878.0	6943.0
9	1.96	0.1	2.05	3907.32	2371.92	1185.96	1.4	27.0	0.05	3899.1	6935.8
10	1.96	4.2	2.05	4213.09	2385.38	1192.69	1.4	27.0	0.05	3851.8	6941.9
11	1.05	7.3	1.12	9730.46	1308.14	654.07	1.4	27.0	0.02	9489.6	3777.2
12	0.08	8.5	0.12	017.96	88.79	44.4	1.4	27.0	0.0	1998.6	279.6
13	1.01	9.6	1.02	3908.61	1051.98	525.99	1.4	27.0	0.02	3685.6	3329.5
14	3.02	13.9	3.16	9554.39	3060.39	1530.2	1.4	27.0	0.06	9195.3	9954.1
15	5.03	22.9	5.51	07989.7	4751.55	2375.77	1.4	27.0	0.01	10142.5	16745.7
16	2.01	31.0	2.33	5624.42	1567.47	783.74	1.4	27.0	0.03	7613.5	6573.2
17	1.52	35.4	1.92	2775.54	1002.12	501.06	1.4	27.0	0.02	4482.1	4862.7
18	1.5	39.3	1.91	8698.93	822.75	411.38	1.4	27.0	0.02	0290.1	4743.5
19	1.01	42.8	1.41	0038.74	441.7	220.85	1.4	27.0	0.01	0792.1	3119.5
20	3.37	49.6	5.21	5151.79	666.68	333.34	1.4	27.0	0.01	1679.3	9958.8

xc = 84.422 yc = 37.415 Rc = 25.81 Fs=12.24

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.33	-29.9	0.4	61.32	2.7	1.35	0.0	21.0	0.0	72.1	2.3
2	1.22	-28.0	1.4	1229.63	54.1	27.05	0.15	24.0	0.0	1511.7	224.4
3	0.68	-25.6	0.8	1771.07	77.93	38.96	0.15	24.0	0.0	2044.1	167.2
4	0.82	-23.8	0.9	3247.34	142.88	71.44	0.15	24.0	0.0	3655.3	242.3
5	0.27	-22.5	0.3	1234.75	54.33	27.16	1.4	27.0	0.0	1499.5	395.1
6	6.33	-14.9	6.5	88254.04	3883.18	1941.59	1.4	27.0	0.09	4332.4	11417.0
7	1.61	-5.8	1.6	31505.25	1386.23	693.12	1.4	27.0	0.03	1987.1	3179.6
8	1.61	-2.2	1.6	32402.35	1425.7	712.85	1.4	27.0	0.03	2548.4	3194.9
9	1.2	0.9	1.2	25242.67	1110.68	555.34	1.4	27.0	0.02	5206.7	2424.6
10	0.08	2.4	0.1	1427.75	62.82	31.41	1.4	27.0	0.0	1422.5	155.9
11	1.01	3.6	1.0	17012.72	748.56	374.28	1.4	27.0	0.01	6929.9	1857.9
12	3.02	8.1	3.0	50359.14	2215.8	1107.9	1.4	27.0	0.05	0073.0	5571.8
13	3.02	14.9	3.1	48917.68	2152.38	1076.19	1.4	27.0	0.04	9128.7	5618.6
14	2.01	20.8	2.2	30699.92	1350.8	675.4	1.4	27.0	0.03	1407.0	3769.6
15	1.01	24.4	1.1	13900.34	611.61	305.81	1.4	27.0	0.01	4418.6	1864.1
16	2.01	28.2	2.3	24298.54	1069.14	534.57	1.4	27.0	0.02	5594.2	3676.5
17	1.11	32.2	1.3	11065.62	486.89	243.44	1.4	27.0	0.01	1821.5	1986.4
18	0.91	34.8	1.1	7729.26	340.09	170.04	1.4	27.0	0.0	8297.0	1608.3
19	1.01	37.5	1.3	6997.41	307.89	153.94	1.4	27.0	0.0	7466.3	1760.8
20	2.91	43.3	4.0	8284.7	364.53	182.26	1.4	27.0	0.0	6806.5	4857.5

xc = 87.429 yc = 35.823 Rc = 23.044 Fs=17.603

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.43	-28.6	1.6	2243.64	98.72	49.36	0.15	24.0	0.0	2668.1	206.0
2	1.43	-24.6	1.6	17303.66	761.36	380.68	0.15	24.0	0.01	9322.1	622.5
3	1.43	-20.8	1.5	19297.04	849.07	424.53	1.4	27.0	0.02	1336.0	1831.6
4	1.43	-17.0	1.5	21084.4	927.71	463.86	1.4	27.0	0.02	2615.9	1841.7
5	1.43	-13.4	1.5	22537.48	991.65	495.82	1.4	27.0	0.02	3602.9	1849.7
6	1.43	-9.7	1.4	23925.35	1052.72	526.36	1.4	27.0	0.02	4594.1	1863.4
7	1.19	-6.4	1.2	21401.94	941.69	470.84	1.4	27.0	0.02	1716.4	1581.6
8	0.08	-4.8	0.1	1187.92	52.27	26.13	1.4	27.0	0.0	1200.8	102.2
9	1.01	-3.5	1.0	14312.42	629.75	314.87	1.4	27.0	0.01	4413.2	1218.9
10	1.01	-1.0	1.0	14517.87	638.79	319.39	1.4	27.0	0.01	4540.9	1221.3
11	2.01	2.8	2.0	29270.72	1287.91	643.96	1.4	27.0	0.02	9186.5	2447.2
12	1.01	6.5	1.0	14846.43	653.24	326.62	1.4	27.0	0.01	4802.2	1233.9
13	1.01	9.1	1.0	14931.57	656.99	328.49	1.4	27.0	0.01	4922.2	1242.3
14	1.01	11.6	1.0	15069.43	663.05	331.53	1.4	27.0	0.01	5126.4	1254.8

15	1.01	14.2	1.01	4884.75	654.93	327.46	1.4	27.0	0.01	5033.9	1260.6
16	1.01	16.8	1.11	4253.48	627.15	313.58	1.4	27.0	0.01	4508.4	1255.8
17	1.01	19.4	1.11	3489.73	593.55	296.77	1.4	27.0	0.01	3862.1	1249.7
18	1.01	22.1	1.11	2586.84	553.82	276.91	1.4	27.0	0.01	3079.4	1242.2
19	1.01	24.8	1.11	1565.42	508.88	254.44	1.4	27.0	0.01	2171.1	1233.9
20	6.63	36.5	8.24	2213.58	1857.4	928.7	1.4	27.0	0.04	6660.0	7909.2

xc = 24.268 yc = 40.598 Rc = 35.746 Fs=1.287

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	9.9	0.3	92.71	4.08	2.04	0.0	21.0	0.0	89.4	26.7
2	0.31	10.4	0.3	276.95	12.19	6.09	0.0	21.0	0.0	266.9	79.6
3	0.29	10.9	0.3	432.95	19.05	9.52	0.0	21.0	0.0	416.9	124.3
4	0.32	11.4	0.3	570.71	25.11	12.56	0.0	21.0	0.0	549.2	163.8
5	0.31	11.9	0.3	548.03	24.11	12.06	0.0	21.0	0.0	526.9	157.1
6	0.38	12.5	0.4	673.58	29.64	14.82	0.0	21.0	0.0	647.1	193.0
7	0.24	13.0	0.2	422.68	18.6	9.3	0.0	21.0	0.0	405.9	121.0
8	0.31	13.5	0.3	529.72	23.31	11.65	0.0	21.0	0.0	508.4	151.6
9	0.46	14.1	0.5	758.17	33.36	16.68	0.0	21.0	0.0	727.2	216.9
10	0.15	14.6	0.2	241.18	10.61	5.31	0.0	21.0	0.0	231.3	69.0
11	0.31	15.0	0.3	441.84	19.44	9.72	0.0	21.0	0.0	423.6	126.3
12	0.31	15.5	0.3	390.71	17.19	8.6	0.0	21.0	0.0	374.5	111.7
13	0.24	16.0	0.2	264.74	11.65	5.82	0.0	21.0	0.0	253.7	75.7
14	0.38	16.5	0.4	363.17	15.98	7.99	0.0	21.0	0.0	348.0	103.8
15	0.31	17.0	0.3	242.24	10.66	5.33	0.0	21.0	0.0	232.1	69.2
16	0.32	17.6	0.3	200.04	8.8	4.4	0.0	21.0	0.0	191.7	57.2
17	0.29	18.1	0.3	141.37	6.22	3.11	0.0	21.0	0.0	135.5	40.4
18	0.31	18.6	0.3	109.57	4.82	2.41	0.0	21.0	0.0	105.1	31.3
19	0.31	19.1	0.3	68.99	3.04	1.52	0.0	21.0	0.0	66.2	19.7
20	0.31	19.6	0.3	25.33	1.11	0.56	0.0	21.0	0.0	24.3	7.2

xc = 27.276 yc = 39.007 Rc = 34.284 Fs=1.38

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.52	3.8	0.5	115.41	5.08	2.54	0.0	21.0	45.6	68.7	19.1
2	0.36	4.6	0.4	210.87	9.28	4.64	0.0	21.0	54.1	153.8	42.8
3	0.69	5.4	0.7	1000.15	44.01	22.0	0.0	21.0	145.1	836.7	232.8

4	0.32	6.3	0.3	799.8	35.19	17.6	0.0	21.0	77.9	704.7	196.0
5	0.73	7.2	0.7	2124.36	93.47	46.74	0.0	21.0	202.7	1871.3	520.6
6	0.28	8.0	0.3	829.43	36.49	18.25	0.0	21.0	81.3	727.0	202.3
7	1.01	9.1	1.0	3027.83	133.22	66.61	0.0	21.0	318.7	2626.6	730.7
8	0.29	10.2	0.3	850.43	37.42	18.71	0.0	21.0	91.1	734.8	204.4
9	0.72	11.1	0.7	1958.78	86.19	43.09	0.0	21.0	225.3	1675.2	466.1
10	0.33	12.0	0.3	843.5	37.11	18.56	0.0	21.0	97.0	720.6	200.5
11	0.67	12.8	0.7	1588.02	69.87	34.94	0.0	21.0	186.1	1352.2	376.2
12	0.38	13.7	0.4	820.27	36.09	18.05	0.0	21.0	88.6	705.2	196.2
13	0.63	14.6	0.7	1295.45	57.0	28.5	0.0	21.0	129.2	1123.8	312.6
14	0.42	15.5	0.4	786.67	34.61	17.31	0.0	21.0	61.5	698.6	194.4
15	0.59	16.4	0.6	990.12	43.57	21.78	0.0	21.0	58.3	897.8	249.8
16	0.46	17.3	0.5	656.72	28.9	14.45	0.0	21.0	11.1	622.3	173.1
17	0.52	18.1	0.6	595.81	26.22	13.11	0.0	21.0	0.0	574.6	159.9
18	0.52	19.1	0.6	433.88	19.09	9.55	0.0	21.0	0.0	418.8	116.5
19	0.5	20.0	0.5	265.98	11.7	5.85	0.0	21.0	0.0	257.0	71.5
20	0.55	20.9	0.6	103.64	4.56	2.28	0.0	21.0	0.0	100.3	27.9

xc = 30.284 yc = 40.598 Rc = 35.992 Fs=3.111

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.8	-2.4	0.8	34.31	1.51	0.75	0.0	21.0	0.0	34.5	4.3
2	1.01	-1.0	1.0	686.3	30.2	15.1	0.0	21.0	300.0	387.1	47.8
3	1.01	0.6	1.0	2330.41	102.54	51.27	0.0	21.0	508.0	1820.0	224.6
4	1.01	2.2	1.0	3652.23	160.7	80.35	0.0	21.0	662.4	2977.7	367.5
5	1.01	3.9	1.0	3900.26	171.61	85.81	0.15	24.0	788.4	3056.7	923.8
6	1.01	5.5	1.0	3865.28	170.07	85.04	0.15	24.0	873.9	2918.5	905.2
7	1.01	7.1	1.0	3673.39	161.63	80.81	0.15	24.0	942.7	2644.0	867.4
8	1.01	8.7	1.0	3547.45	156.09	78.04	0.15	24.0	982.5	2465.7	843.8
9	1.01	10.3	1.0	3403.07	149.73	74.87	0.15	24.0	993.1	2299.9	822.4
10	0.78	11.8	0.8	2425.67	106.73	53.36	0.15	24.0	751.4	1583.4	608.9
11	1.24	13.4	1.3	3384.22	148.91	74.45	0.15	24.0	1125.8	2103.9	914.0
12	1.01	15.2	1.0	2273.92	100.05	50.03	0.15	24.0	832.2	1306.3	689.9
13	1.01	16.9	1.1	1898.4	83.53	41.76	0.15	24.0	708.4	1044.1	656.6
14	1.01	18.6	1.1	1591.77	70.04	35.02	0.15	24.0	564.3	869.9	636.4
15	1.01	20.3	1.1	1288.37	56.69	28.34	0.0	21.0	387.0	919.1	113.4
16	0.51	21.6	0.6	565.04	24.86	12.43	0.0	21.0	115.5	460.9	56.9
17	0.49	22.4	0.5	490.14	21.57	10.78	0.0	21.0	51.9	451.1	55.7
18	1.01	23.7	1.1	918.61	40.42	20.21	0.0	21.0	0.0	951.9	117.5
19	1.01	25.5	1.1	711.68	31.31	15.66	0.0	21.0	0.0	744.7	91.9
20	1.34	27.6	1.5	548.57	24.14	12.07	0.0	21.0	0.0	581.5	71.8

xc = 36.299 yc = 40.598 Rc = 36.238 Fs=2.192

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.52	-10.1	0.5	173.4	7.63	3.81	0.0	21.0	22.7	158.0	27.7
2	1.01	-8.9	1.0	1978.82	87.07	43.53	0.0	21.0	318.0	1728.5	302.8
3	1.01	-7.3	1.0	3614.57	159.04	79.52	0.0	21.0	642.1	3065.6	536.9
4	1.01	-5.7	1.0	4183.17	184.06	92.03	0.15	24.0	937.3	3400.0	1382.8
5	1.01	-4.1	1.0	4469.69	196.67	98.33	0.15	24.0	1192.0	3384.9	1378.1
6	1.01	-2.5	1.0	4600.02	202.4	101.2	0.15	24.0	1430.4	3231.6	1345.8
7	1.01	-0.9	1.0	4797.73	211.1	105.55	0.15	24.0	1640.6	3178.9	1334.6
8	3.02	2.3	3.0	15014.88	660.65	330.33	0.15	24.0	5893.8	8974.2	3890.8
9	3.2	7.2	3.2	15359.01	675.8	337.9	0.15	24.0	7184.5	7760.7	3786.1
10	0.82	10.4	0.8	4022.87	177.01	88.5	0.15	24.0	1871.8	2006.9	979.8
11	1.01	11.9	1.0	5041.77	221.84	110.92	0.15	24.0	2265.6	2578.5	1227.6
12	1.01	13.5	1.0	5270.56	231.9	115.95	0.15	24.0	2217.1	2831.8	1283.6
13	1.01	15.2	1.0	5441.23	239.41	119.71	0.15	24.0	2138.1	3060.4	1335.3
14	1.01	16.8	1.1	5561.75	244.72	122.36	0.15	24.0	2027.8	3273.4	1384.5
15	2.01	19.3	2.1	10055.02	442.42	221.21	0.15	24.0	3591.8	5915.6	2661.5
16	1.01	21.9	1.1	5094.68	224.17	112.08	0.15	24.0	1488.7	3317.2	1416.1
17	1.01	23.6	1.1	5434.83	239.13	119.57	0.15	24.0	1256.3	3886.6	1541.2
18	1.01	25.4	1.1	5584.57	245.72	122.86	0.15	24.0	1023.2	4275.0	1630.6
19	1.01	27.1	1.1	5084.8	223.73	111.87	0.15	24.0	739.9	4062.6	1599.2
20	4.73	32.5	5.6	12647.33	556.48	278.24	0.0	21.0	0.0	13487.2	2362.3

xc = 39.307 yc = 39.007 Rc = 34.776 Fs=2.29

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.87	-14.2	0.9	1039.99	45.76	22.88	0.0	21.0	0.0	1120.5	187.8
2	1.01	-12.6	1.0	2832.77	124.64	62.32	0.0	21.0	219.5	2782.9	466.4
3	1.01	-11.0	1.0	3568.3	157.01	78.5	0.0	21.0	610.8	3113.3	521.8
4	1.01	-9.3	1.0	4027.39	177.21	88.6	0.15	24.0	959.2	3323.1	1313.7
5	1.01	-7.6	1.0	4331.65	190.59	95.3	0.15	24.0	1289.2	3242.0	1295.1
6	1.01	-5.9	1.0	4699.72	206.79	103.39	0.15	24.0	1589.0	3261.9	1296.6
7	3.02	-2.6	3.0	15716.12	691.51	345.75	0.15	24.0	6262.8	9637.8	3852.6
8	4.02	3.2	4.0	22597.37	994.28	497.14	0.15	24.0	10769.5	11571.9	4889.7
9	1.22	7.5	1.2	7577.88	333.43	166.71	0.15	24.0	3510.7	3895.7	1562.1
10	0.79	9.2	0.8	5258.59	231.38	115.69	0.15	24.0	2313.2	2809.7	1073.2
11	1.01	10.7	1.0	6940.36	305.38	152.69	0.15	24.0	2927.1	3817.0	1412.7

12	1.01	12.4	1.0	7218.3	317.61	158.8	0.15	24.0	2899.6	4098.1	1471.5
13	2.01	15.0	2.1	13845.01	609.18	304.59	0.15	24.0	5586.5	7779.2	2876.7
14	1.01	17.6	1.1	7232.24	318.22	159.11	0.15	24.0	2613.7	4357.4	1538.3
15	1.01	19.3	1.1	7737.27	340.44	170.22	0.15	24.0	2468.1	4998.1	1670.0
16	1.01	21.1	1.1	8055.09	354.42	177.21	0.15	24.0	2323.5	5461.3	1768.0
17	1.01	22.9	1.1	7727.25	340.0	170.0	0.15	24.0	2130.7	5334.9	1752.4
18	1.01	24.7	1.1	7160.76	315.07	157.54	0.15	24.0	1912.5	4996.3	1696.6
19	1.01	26.5	1.1	6464.14	284.42	142.21	0.15	24.0	1655.2	4564.2	1623.8
20	6.45	33.9	7.8	19177.06	843.79	421.9	0.15	24.0	1989.7	15289.8	8060.3

xc = 42.314 yc = 40.598 Rc = 36.484 Fs=5.261

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.4	-18.1	0.4	235.45	10.36	5.18	0.0	21.0	0.0	253.7	18.5
2	1.01	-16.9	1.1	1678.13	73.84	36.92	0.0	21.0	0.0	1793.9	130.9
3	1.01	-15.3	1.0	2563.11	112.78	56.39	0.0	21.0	67.5	2639.7	192.6
4	1.01	-13.6	1.0	3157.83	138.94	69.47	0.0	21.0	496.5	2788.0	203.4
5	1.01	-12.0	1.0	3605.73	158.65	79.33	0.15	24.0	907.1	2873.5	536.5
6	1.01	-10.4	1.0	4127.51	181.61	90.81	0.15	24.0	1287.8	2987.3	544.5
7	3.02	-7.2	3.0	14929.95	656.92	328.46	0.15	24.0	5849.1	9363.9	1660.1
8	7.04	0.7	7.0	45428.48	1998.85	999.43	0.15	24.0	21876.7	23504.2	3997.8
9	1.21	7.2	1.2	10550.55	464.22	232.11	1.4	27.0	0.0	10099.1	4233.9
10	1.8	9.6	1.8	15753.46	693.15	346.58	1.4	27.0	0.0	14908.6	6315.6
11	1.01	11.9	1.0	9366.87	412.14	206.07	1.4	27.0	0.0	8817.5	3590.1
12	1.01	13.5	1.0	10085.14	443.75	221.87	1.4	27.0	0.0	9490.7	3672.7
13	1.01	15.1	1.0	10633.83	467.89	233.94	1.4	27.0	0.0	10004.3	3742.5
14	1.01	16.7	1.1	10544.68	463.97	231.98	1.4	27.0	0.0	9882.3	3753.5
15	1.01	18.4	1.1	10214.94	449.46	224.73	1.4	27.0	0.0	9519.8	3744.1
16	1.01	20.1	1.1	9754.08	429.18	214.59	1.4	27.0	0.0	9023.7	3725.0
17	1.01	21.8	1.1	9225.04	405.9	202.95	1.4	27.0	0.0	8454.9	3702.3
18	3.02	25.2	3.3	23439.88	1031.36	515.68	1.4	27.0	0.0	20778.4	10893.7
19	6.7	34.2	8.1	31620.08	1391.28	695.64	0.15	24.0	6200.6	27586.3	4645.7
20	1.86	42.6	2.5	2817.8	123.98	61.99	0.0	21.0	0.0	3587.1	261.8

xc = 45.322 yc = 39.007 Rc = 35.022 Fs=5.902

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.27	-22.2	0.3	43.98	1.94	0.97	0.0	21.0	0.0	48.8	3.2
2	1.01	-21.1	1.1	823.96	36.25	18.13	0.0	21.0	0.0	906.1	58.9
3	1.01	-19.4	1.1	1626.47	71.56	35.78	0.0	21.0	0.0	1764.4	114.8
4	1.01	-17.6	1.1	2262.5	99.55	49.77	0.0	21.0	187.4	2223.4	144.6
5	1.01	-15.9	1.0	2958.35	130.17	65.08	0.15	24.0	672.5	2506.7	455.0
6	3.02	-12.5	3.1	12556.39	552.48	276.24	0.15	24.0	4599.8	8467.3	1424.6
7	7.04	-4.2	7.1	45946.73	2021.66	1010.83	0.15	24.0	22149.5	24128.0	3614.9
8	1.25	2.6	1.2	11939.72	525.35	262.67	1.4	27.0	0.0	11771.9	3973.8
9	1.77	5.1	1.8	17554.72	772.41	386.2	1.4	27.0	0.0	17117.9	5699.6
10	1.01	7.4	1.0	10798.98	475.16	237.58	1.4	27.0	0.0	10461.3	3309.5
11	1.01	9.0	1.0	11705.23	515.03	257.52	1.4	27.0	0.0	11313.2	3393.1
12	1.01	10.7	1.0	12442.3	547.46	273.73	1.4	27.0	0.0	12007.9	3465.4
13	1.01	12.4	1.0	12542.37	551.86	275.93	1.4	27.0	0.0	12075.9	3485.9
14	1.01	14.1	1.0	12403.2	545.74	272.87	1.4	27.0	0.0	11912.5	3488.7
15	1.01	15.8	1.0	12134.78	533.93	266.97	1.4	27.0	0.0	11625.6	3483.5
16	1.01	17.5	1.1	11800.64	519.23	259.61	1.4	27.0	0.0	11277.4	3475.8
17	3.02	21.0	3.2	32365.95	1424.1	712.05	1.4	27.0	0.0	30707.1	10319.8
18	8.05	31.4	9.4	70778.47	3114.25	1557.13	1.4	27.0	0.0	65799.4	28043.2
19	1.57	40.8	2.1	6253.36	275.15	137.57	0.15	24.0	0.0	7328.8	1080.7
20	1.95	44.8	2.7	3163.95	139.21	69.61	0.15	24.0	0.0	3501.5	962.2

xc = 48.33 yc = 40.598 Rc = 36.514 Fs=6.462

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.79	-21.7	0.9	254.05	11.18	5.59	0.0	21.0	0.0	280.1	16.6
2	1.01	-20.2	1.1	1088.16	47.88	23.94	0.0	21.0	0.0	1185.4	70.4
3	3.02	-16.9	3.2	7743.87	340.73	170.37	0.15	24.0	2066.9	6286.7	1165.3
4	4.02	-11.2	4.1	18837.97	828.87	414.44	0.15	24.0	8790.8	10574.5	1680.8
5	2.01	-6.4	2.0	13819.26	608.05	304.02	1.4	27.0	0.0	14524.3	5531.9
6	2.01	-3.2	2.0	17629.98	775.72	387.86	1.4	27.0	0.0	17982.4	5784.2
7	2.01	-0.1	2.0	19882.17	874.82	437.41	1.4	27.0	0.0	19887.5	5927.6
8	2.01	3.1	2.0	22998.02	1011.91	505.96	1.4	27.0	0.0	22697.6	6155.6
9	2.01	6.3	2.0	26789.14	1178.72	589.36	1.4	27.0	0.0	26240.6	6454.8
10	2.01	9.5	2.0	27132.02	1193.81	596.9	1.4	27.0	0.0	26422.2	6503.0
11	2.01	12.7	2.1	26753.4	1177.15	588.57	1.4	27.0	0.0	25956.2	6515.2
12	2.01	15.9	2.1	25494.96	1121.78	560.89	1.4	27.0	0.0	24664.1	6478.7
13	2.01	19.3	2.1	24635.79	1083.97	541.99	1.4	27.0	0.0	23826.5	6496.7
14	2.01	22.6	2.2	23796.81	1047.06	523.53	1.4	27.0	0.0	23055.7	6541.6
15	2.01	26.1	2.2	24835.63	1092.77	546.38	1.4	27.0	0.0	24338.6	6774.3
16	2.01	29.7	2.3	23037.4	1013.65	506.82	1.4	27.0	0.0	22640.1	6803.6
17	2.01	33.4	2.4	18555.89	816.46	408.23	1.4	27.0	0.0	17855.3	6630.0
18	2.28	37.6	2.9	15827.31	696.4	348.2	1.4	27.0	0.0	14309.4	7355.1
19	1.56	41.4	2.1	5735.47	252.36	126.18	0.15	24.0	339.4	6383.3	922.8

20	2.04	45.4	2.93	849.87	169.39	84.7	0.15	24.0	0.0	4482.2	984.1

xc = 51.337 yc = 39.007 Rc = 34.572 Fs=6.391

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.07	-21.4	1.2	466.14	20.51	10.26	0.0	21.0	0.0	512.9	30.8
2	1.01	-19.6	1.1	1210.12	53.25	26.62	0.0	21.0	264.7	1025.5	61.6
3	1.01	-17.8	1.1	2025.88	89.14	44.57	0.15	24.0	775.5	1425.2	347.4
4	1.01	-16.1	1.0	2921.52	128.55	64.27	0.15	24.0	1264.2	1832.6	373.4
5	1.01	-14.4	1.0	3819.19	168.04	84.02	0.15	24.0	1719.7	2270.2	401.9
6	1.01	-12.6	1.0	4785.53	210.56	105.28	0.15	24.0	2130.7	2819.2	438.4
7	1.01	-10.9	1.0	5849.83	257.39	128.7	0.15	24.0	2522.0	3482.9	483.2
8	1.01	-9.2	1.0	6855.0	301.62	150.81	0.15	24.0	2882.2	4110.8	525.6
9	3.02	-5.9	3.0	25974.61	1142.88	571.44	1.4	27.0	0.0	27020.2	8801.5
10	8.35	3.6	8.4	112516.2	4950.71	2475.36	1.4	27.0	0.0	111037.0	27179.6
11	1.71	12.0	1.7	22973.94	1010.85	505.43	1.4	27.0	0.0	22295.1	5610.1
12	1.01	14.3	1.0	13426.47	590.76	295.38	1.4	27.0	0.0	13011.6	3311.8
13	1.01	16.0	1.0	13579.82	597.51	298.76	1.4	27.0	0.0	13168.6	3342.9
14	1.01	17.8	1.1	13554.62	596.4	298.2	1.4	27.0	0.0	13155.7	3363.2
15	1.01	19.5	1.1	13916.61	612.33	306.17	1.4	27.0	0.0	13553.1	3419.0
16	1.01	21.3	1.1	14365.12	632.07	316.03	1.4	27.0	0.0	14058.9	3486.5
17	1.01	23.1	1.1	14077.25	619.4	309.7	1.4	27.0	0.0	13812.5	3497.4
18	1.01	24.9	1.1	13822.99	608.21	304.11	1.4	27.0	0.0	13609.0	3515.4
19	1.01	26.8	1.1	13440.59	591.39	295.69	1.4	27.0	0.0	13275.1	3527.2
20	9.72	38.0	12.3	74034.2	3257.51	1628.75	1.4	27.0	0.0	68558.6	32496.4

xc = 54.345 yc = 40.598 Rc = 35.579 Fs=5.572

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.53	-20.3	0.6	137.14	6.03	3.02	0.0	21.0	0.0	150.1	10.3
2	1.01	-19.0	1.1	1067.9	46.99	23.49	0.0	21.0	267.8	866.7	59.7
3	1.01	-17.3	1.1	2195.57	96.6	48.3	0.15	24.0	767.6	1624.4	413.5
4	1.01	-15.6	1.0	3426.14	150.75	75.38	0.15	24.0	1246.4	2395.2	472.6
5	1.01	-13.9	1.0	4595.81	202.22	101.11	0.15	24.0	1693.1	3121.7	528.5
6	3.02	-10.6	3.1	19519.55	858.86	429.43	0.15	24.0	7443.9	12630.4	1836.0
7	6.04	-3.3	6.0	69630.55	3063.74	1531.87	1.4	27.0	0.0	70984.1	21684.2
8	2.01	3.2	2.0	26290.76	1156.79	578.4	1.4	27.0	0.0	25913.5	7433.8

9	2.01	6.5	2.026	618.11	1171.2	585.6	1.4	27.0	0.025	941.9	7460.8
10	2.01	9.8	2.027	385.35	1204.96	602.48	1.4	27.0	0.026	488.7	7552.5
11	2.01	13.1	2.128	232.88	1242.25	621.12	1.4	27.0	0.027	201.4	7677.8
12	2.01	16.4	2.131	041.69	1365.83	682.92	1.4	27.0	0.029	999.7	8014.3
13	2.01	19.8	2.131	126.24	1369.56	684.78	1.4	27.0	0.030	155.6	8132.3
14	2.01	23.3	2.228	678.67	1261.86	630.93	1.4	27.0	0.027	761.8	8044.4
15	1.04	26.0	1.214	128.29	621.64	310.82	1.4	27.0	0.013	690.8	4159.9
16	1.24	28.1	1.415	666.55	689.33	344.66	1.4	27.0	0.015	136.2	4911.3
17	1.22	30.3	1.413	759.67	605.43	302.71	1.4	27.0	0.013	158.6	4757.9
18	0.68	32.1	0.873	20.36	322.1	161.05	1.4	27.0	0.0	6971.5	2663.7
19	0.82	33.6	1.085	06.26	374.28	187.14	1.4	27.0	0.0	8084.2	3201.8
20	5.62	40.3	7.459	979.95	2639.12	1319.56	1.4	27.0	0.058	413.3	23859.2

xc = 57.353 yc = 39.007 Rc = 33.638 Fs=5.139

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.92	-21.9	1.0	633.59	27.88	13.94	0.0	21.0	0.0	703.9	52.6
2	1.01	-20.1	1.120	02.88	88.13	44.06	0.15	24.0	328.4	1960.2	482.6
3	3.02	-16.5	3.113	051.16	574.25	287.13	0.15	24.0	4039.5	9928.1	1779.3
4	3.02	-11.2	3.124	236.25	1066.4	533.2	0.15	24.0	7943.5	17082.4	2378.4
5	2.01	-6.9	2.021	909.85	964.03	482.02	1.4	27.0	0.023	009.6	7803.9
6	2.01	-3.4	2.024	156.52	1062.89	531.44	1.4	27.0	0.024	676.0	7939.3
7	1.15	-0.7	1.214	520.79	638.91	319.46	1.4	27.0	0.014	580.7	4580.6
8	1.87	1.8	1.924	160.49	1063.06	531.53	1.4	27.0	0.023	933.5	7465.2
9	1.01	4.3	1.013	519.66	594.86	297.43	1.4	27.0	0.013	252.9	4063.2
10	1.01	6.0	1.014	093.61	620.12	310.06	1.4	27.0	0.013	737.9	4118.7
11	1.01	7.7	1.014	494.51	637.76	318.88	1.4	27.0	0.014	062.4	4160.9
12	1.01	9.5	1.015	289.49	672.74	336.37	1.4	27.0	0.014	792.5	4246.0
13	1.01	11.2	1.016	179.35	711.89	355.95	1.4	27.0	0.015	632.9	4344.8
14	1.01	13.0	1.016	342.83	719.08	359.54	1.4	27.0	0.015	762.9	4376.0
15	1.01	14.7	1.016	551.75	728.28	364.14	1.4	27.0	0.015	953.1	4416.4
16	3.02	18.3	3.248	673.9	2141.65	1070.83	1.4	27.0	0.046	865.7	13310.4
17	6.83	27.6	7.789	132.33	3921.82	1960.91	1.4	27.0	0.085	182.8	29456.1
18	1.88	36.2	2.328	073.04	1235.21	617.61	1.4	27.0	0.028	109.4	9120.2
19	1.88	40.3	2.529	465.66	1296.49	648.24	1.4	27.0	0.030	386.2	9710.9
20	1.88	44.6	2.621	395.01	941.38	470.69	1.4	27.0	0.020	921.9	9252.8

xc = 63.368 yc = 39.007 Rc = 27.008 Fs=2.999

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.71	-5.0	0.7	226.39	9.96	4.98	0.0	21.0	0.0	229.8	29.4
2	1.01	-3.2	1.0	839.52	36.94	18.47	0.0	21.0	0.0	846.8	108.4
3	1.01	-1.0	1.01	885.13	82.95	41.47	0.0	21.0	0.0	1889.7	241.8
4	1.01	1.1	1.03	036.07	133.59	66.79	0.15	24.0	0.0	3018.2	951.3
5	0.48	2.7	0.51	619.71	71.27	35.63	0.15	24.0	0.0	1599.1	477.2
6	0.53	3.8	0.51	850.94	81.44	40.72	0.15	24.0	0.0	1819.8	534.3
7	1.01	5.4	1.03	958.68	174.18	87.09	0.15	24.0	0.0	3874.3	1080.5
8	1.01	7.5	1.04	334.59	190.72	95.36	0.15	24.0	0.0	4222.3	1134.3
9	0.83	9.5	0.8	3482.1	153.21	76.61	0.15	24.0	22.8	3353.8	918.1
10	1.18	11.7	1.24	803.32	211.35	105.67	0.15	24.0	77.9	4560.5	1281.3
11	0.5	13.5	0.52	055.78	90.45	45.23	0.15	24.0	34.3	1947.7	546.7
12	0.51	14.6	0.52	065.52	90.88	45.44	0.15	24.0	25.1	1964.5	552.8
13	1.27	16.6	1.34	821.26	212.14	106.07	0.15	24.0	0.0	4628.2	1351.0
14	0.75	18.8	0.82	426.36	106.76	53.38	0.15	24.0	0.0	2311.7	738.5
15	0.47	20.2	0.51	342.13	59.05	29.53	0.15	24.0	0.0	1268.2	440.1
16	0.68	21.5	0.72	110.03	92.84	46.42	0.15	24.0	0.0	2006.0	664.8
17	0.82	23.2	0.92	639.25	116.13	58.06	0.15	24.0	0.0	2520.7	818.6
18	0.27	24.5	0.3	779.17	34.28	17.14	0.15	24.0	0.0	738.9	257.4
19	1.97	27.1	2.23	824.38	168.27	84.14	0.15	24.0	0.0	3466.4	1621.4
20	0.84	30.5	1.04	464.37	196.43	98.22	0.15	24.0	0.0	4500.6	1157.0

xc = 66.376 yc = 40.598 Rc = 36.047 Fs=5.013

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.65	-28.9	0.7	390.48	17.18	8.59	0.0	21.0	0.0	465.5	35.6
2	1.01	-27.4	1.12	021.44	88.94	44.47	0.0	21.0	0.0	2370.2	181.5
3	1.01	-25.6	1.1	4115.1	181.06	90.53	0.15	24.0	561.7	4281.4	714.0
4	1.01	-23.8	1.16	025.46	265.12	132.56	0.15	24.0	1255.2	5578.5	824.6
5	1.01	-22.1	1.17	288.57	320.7	160.35	0.15	24.0	1899.8	6169.6	872.8
6	1.01	-20.4	1.18	316.71	365.94	182.97	0.15	24.0	2520.9	6516.5	899.9
7	1.01	-18.7	1.19	484.15	417.3	208.65	1.4	27.0	0.0	11405.0	4125.3
8	1.01	-17.0	1.11	0594.13	466.14	233.07	1.4	27.0	0.0	12359.3	4194.4
9	3.02	-13.7	3.13	7448.86	1647.75	823.87	1.4	27.0	0.0	41687.4	12913.3
10	13.56	-0.4	13.62	86409.2	12602.0	6301.0	1.4	27.0	0.0	286851.1	67030.0
11	1.85	12.0	1.94	3104.16	1896.58	948.29	1.4	27.0	0.0	42036.4	9555.3
12	2.38	15.4	2.55	5116.64	2425.13	1212.57	1.4	27.0	0.0	53769.9	12347.0
13	2.38	19.4	2.57	3891.19	3251.21	1625.61	1.4	27.0	0.0	73240.3	14476.8
14	2.38	23.5	2.66	9321.38	3050.14	1525.07	1.4	27.0	0.0	69368.8	14281.8
15	3.54	28.7	4.09	3634.95	4119.94	2059.97	1.4	27.0	0.0	95290.4	20953.2
16	2.1	33.9	2.54	0174.98	1767.7	883.85	1.4	27.0	0.0	40879.2	11213.4

17	2.01	38.0	2.63	2201.37	1416.86	708.43	1.4	27.0	0.03	2692.0	10452.5
18	2.01	42.2	2.72	5732.83	1132.24	566.12	1.4	27.0	0.02	5503.1	10174.3
19	2.22	46.9	3.22	0238.05	890.47	445.24	1.4	27.0	0.01	7983.8	10888.7
20	2.38	52.6	3.9	7454.89	328.02	164.01	0.15	24.0	0.0	9624.2	2024.7

xc = 72.391 yc = 40.598 Rc = 36.598 Fs=5.743

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-34.2	1.2	925.71	40.73	20.37	0.0	21.0	0.0	1173.0	78.4
2	1.01	-32.3	1.2	2590.4	113.98	56.99	0.0	21.0	0.0	3200.8	213.9
3	1.01	-30.5	1.2	4013.56	176.6	88.3	0.15	24.0	256.1	4756.4	673.7
4	1.01	-28.7	1.1	5330.07	234.52	117.26	0.15	24.0	1058.3	5254.9	706.9
5	1.01	-26.9	1.1	6577.59	289.41	144.71	0.15	24.0	1807.4	5722.6	738.3
6	3.02	-23.4	3.3	27467.4	1208.57	604.28	1.4	27.0	0.03	4745.3	11102.5
7	10.06	-12.7	10.3	191876.7	8442.58	4221.29	1.4	27.0	0.02	06562.3	43475.9
8	3.5	-1.9	3.5	86057.28	3786.52	1893.26	1.4	27.0	0.08	6644.2	16223.9
9	1.5	2.0	1.5	39386.85	1733.02	866.51	1.4	27.0	0.03	9160.5	7132.4
10	2.57	5.2	2.6	67862.92	2985.97	1492.98	1.4	27.0	0.06	7029.8	12229.9
11	2.57	9.3	2.6	92371.72	4064.36	2032.18	1.4	27.0	0.09	1236.7	14442.5
12	2.57	13.4	2.6	90016.96	3960.75	1980.37	1.4	27.0	0.08	9114.7	14346.0
13	3.31	18.2	3.5	111675.2	4913.71	2456.86	1.4	27.0	0.01	11500.8	18382.1
14	2.1	22.7	2.3	58790.76	2586.79	1293.4	1.4	27.0	0.05	9205.0	10792.5
15	3.02	27.1	3.4	77679.55	3417.9	1708.95	1.4	27.0	0.07	9424.6	15313.3
16	2.01	31.6	2.4	47172.53	2075.59	1037.8	1.4	27.0	0.04	9160.3	10122.0
17	3.02	36.4	3.7	61104.45	2688.6	1344.3	1.4	27.0	0.06	4926.1	14902.3
18	2.01	41.4	2.7	31291.4	1376.82	688.41	1.4	27.0	0.03	3349.6	9502.3
19	2.52	46.4	3.7	26695.37	1174.6	587.3	1.4	27.0	0.02	6848.0	11295.6
20	2.57	52.6	4.2	9100.95	400.44	200.22	1.4	27.0	0.0	1349.0	10427.9

xc = 75.399 yc = 39.007 Rc = 34.037 Fs=6.003

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.88	-34.9	1.1	553.82	24.37	12.18	0.0	21.0	0.0	707.2	45.2
2	3.02	-31.1	3.5	9999.26	439.97	219.98	0.15	24.0	1099.7	11432.0	1728.5
3	4.02	-24.4	4.4	35587.99	1565.87	782.94	1.4	27.0	0.04	5494.1	14166.7
4	2.01	-18.9	2.1	29517.37	1298.76	649.38	1.4	27.0	0.03	3871.9	7834.6
5	2.12	-15.2	2.2	37445.78	1647.61	823.81	1.4	27.0	0.04	1153.4	8605.9

6	1.91	-11.7	2.037	109.1	1632.8	816.4	1.4	27.0	0.039	546.8	7904.8
7	1.01	-9.2	1.021	086.44	927.8	463.9	1.4	27.0	0.022	056.0	4249.5
8	1.27	-7.3	1.327	674.43	1217.68	608.84	1.4	27.0	0.028	596.4	5419.4
9	1.22	-5.2	1.227	186.51	1196.21	598.1	1.4	27.0	0.027	773.3	5216.5
10	0.68	-3.6	0.715	851.95	697.49	348.74	1.4	27.0	0.016	068.8	2959.6
11	0.82	-2.3	0.819	690.34	866.37	433.19	1.4	27.0	0.019	852.4	3591.1
12	0.27	-1.4	0.365	41.48	287.83	143.91	1.4	27.0	0.0	6572.7	1185.0
13	10.75	8.0	10.934	5648.51	5208.53	7604.27	1.4	27.0	0.034	1417.4	54285.7
14	0.08	17.2	0.124	23.95	106.65	53.33	1.4	27.0	0.0	2410.5	410.8
15	1.01	18.2	1.128	544.21	1255.95	627.97	1.4	27.0	0.028	441.6	4884.2
16	3.02	21.8	3.381	290.85	3576.8	1788.4	1.4	27.0	0.081	753.1	14522.4
17	7.04	31.5	8.316	1913.37	7124.19	3562.09	1.4	27.0	0.169	328.8	33645.1
18	3.02	41.9	4.143	467.71	1912.58	956.29	1.4	27.0	0.046	392.0	13400.1
19	1.65	47.4	2.415	192.94	668.49	334.24	1.4	27.0	0.014	880.2	6957.4
20	2.41	52.8	4.0	8144.8	358.37	179.19	1.4	27.0	0.0	1091.6	9394.8

xc = 78.406 yc = 40.598 Rc = 32.175 Fs=7.054

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.92	-28.8	1.011	30.65	49.75	24.87	0.0	21.0	0.0	1329.4	72.3
2	1.01	-26.8	1.132	68.67	143.82	71.91	0.15	24.0	0.0	3908.5	486.5
3	1.01	-24.8	1.147	09.37	207.21	103.61	0.15	24.0	360.2	5048.5	554.4
4	1.01	-22.9	1.161	91.21	272.41	136.21	1.4	27.0	0.0	7873.2	2736.1
5	3.02	-19.1	3.227	082.68	1191.64	595.82	1.4	27.0	0.031	629.6	8623.2
6	5.27	-11.4	5.469	339.11	3050.92	1525.46	1.4	27.0	0.073	971.1	16010.6
7	2.02	-4.8	2.033	086.13	1455.79	727.89	1.4	27.0	0.033	748.3	6467.8
8	2.04	-1.2	2.051	784.25	2278.51	1139.25	1.4	27.0	0.051	958.1	7794.2
9	2.04	2.4	2.054	897.29	2415.48	1207.74	1.4	27.0	0.054	607.5	7988.3
10	2.04	6.1	2.054	559.36	2400.61	1200.31	1.4	27.0	0.054	020.0	7965.1
11	2.62	10.3	2.769	929.38	3076.89	1538.45	1.4	27.0	0.069	205.5	10277.0
12	2.1	14.6	2.246	104.86	2028.61	1014.31	1.4	27.0	0.045	661.0	7598.2
13	2.01	18.4	2.141	975.4	1846.92	923.46	1.4	27.0	0.041	828.9	7230.3
14	2.01	22.2	2.239	892.4	1755.27	877.63	1.4	27.0	0.040	142.4	7213.6
15	2.01	26.1	2.237	965.82	1670.5	835.25	1.4	27.0	0.038	733.1	7246.8
16	2.01	30.2	2.333	035.75	1453.57	726.79	1.4	27.0	0.034	100.4	7084.7
17	2.01	34.4	2.427	073.58	1191.24	595.62	1.4	27.0	0.028	115.2	6874.4
18	2.01	38.9	2.620	206.89	889.1	444.55	1.4	27.0	0.020	624.3	6623.8
19	1.53	43.1	2.110	063.85	442.81	221.4	1.4	27.0	0.0	9260.2	4832.9
20	2.04	47.7	3.04	400.33	193.61	96.81	0.15	24.0	1160.9	3838.3	884.9

xc = 81.414 yc = 39.007 Rc = 28.824 Fs=8.702

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.06	-31.5	0.1	3.54	0.16	0.08	0.0	21.0	0.0	4.3	0.2
2	3.02	-28.0	3.45	993.28	263.7	131.85	0.0	21.0	0.06	949.0	306.5
3	2.44	-22.0	2.61	3443.12	591.5	295.75	1.4	27.0	0.016	593.5	5205.7
4	1.06	-18.2	1.17	710.03	339.24	169.62	1.4	27.0	0.08	879.7	2313.3
5	0.68	-16.4	0.75	923.89	260.65	130.33	1.4	27.0	0.06	627.5	1533.4
6	0.82	-14.9	0.88	139.96	358.16	179.08	1.4	27.0	0.08	921.6	1881.7
7	0.27	-13.8	0.32	814.04	123.82	61.91	1.4	27.0	0.03	049.9	623.8
8	6.37	-7.1	6.41	19100.3	5240.41	2620.21	1.4	27.0	0.012	2190.5	17483.3
9	1.84	1.1	1.84	2632.97	1875.85	937.93	1.4	27.0	0.042	533.2	5450.6
10	2.54	5.5	2.55	9768.36	2629.81	1314.9	1.4	27.0	0.059	315.9	7570.6
11	1.14	9.2	1.22	2247.01	978.87	489.43	1.4	27.0	0.022	026.0	3154.1
12	0.95	11.3	1.01	8226.29	801.96	400.98	1.4	27.0	0.018	062.9	2620.7
13	2.01	14.3	2.13	7270.06	1639.88	819.94	1.4	27.0	0.037	059.1	5511.3
14	1.01	17.4	1.11	8136.81	798.02	399.01	1.4	27.0	0.018	144.1	2759.1
15	1.01	19.6	1.11	7762.05	781.53	390.77	1.4	27.0	0.017	867.4	2763.9
16	1.01	21.7	1.11	7448.47	767.73	383.87	1.4	27.0	0.017	673.6	2776.9
17	1.01	23.9	1.11	6819.19	740.04	370.02	1.4	27.0	0.017	163.7	2774.9
18	1.01	26.1	1.11	5748.62	692.94	346.47	1.4	27.0	0.016	186.9	2749.8
19	1.01	28.3	1.11	4549.27	640.17	320.08	1.4	27.0	0.015	061.0	2720.6
20	7.55	39.2	9.76	0565.81	2664.9	1332.45	1.4	27.0	0.062	380.2	19333.7

xc = 84.422 yc = 40.598 Rc = 27.109 Fs=13.995

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.09	-23.6	0.1	10.72	0.47	0.24	0.0	21.0	0.0	11.8	0.3
2	0.82	-22.6	0.9	507.78	22.34	11.17	0.0	21.0	0.0	556.2	15.3
3	0.27	-21.3	0.3	309.76	13.63	6.81	0.15	24.0	0.0	349.0	42.0
4	4.54	-16.0	4.73	4951.93	1537.89	768.94	0.15	24.0	0.036	847.6	1678.8
5	1.43	-9.5	1.42	0786.49	914.61	457.3	1.4	27.0	0.021	448.3	2230.2
6	1.43	-6.4	1.42	1626.13	951.55	475.77	1.4	27.0	0.022	016.7	2240.2
7	1.43	-3.4	1.42	2227.05	977.99	489.0	1.4	27.0	0.022	400.5	2247.6
8	1.92	0.1	1.93	1479.82	1385.11	692.56	1.4	27.0	0.031	473.1	3064.2
9	1.09	3.3	1.11	3726.04	603.95	301.97	1.4	27.0	0.013	657.0	1590.1
10	1.28	5.8	1.31	5993.45	703.71	351.86	1.4	27.0	0.015	886.3	1864.1
11	1.74	9.0	1.82	1305.61	937.45	468.72	1.4	27.0	0.021	170.6	2533.3
12	1.12	12.1	1.11	3527.43	595.21	297.6	1.4	27.0	0.013	484.6	1634.7
13	0.89	14.3	0.91	0701.68	470.87	235.44	1.4	27.0	0.010	709.0	1313.3

14	1.01	16.4	1.01	1972.74	526.8	263.4	1.4	27.0	0.01	2042.0	1487.6
15	1.01	18.6	1.11	1587.12	509.83	254.92	1.4	27.0	0.01	1725.1	1489.0
16	1.01	20.9	1.11	0764.92	473.66	236.83	1.4	27.0	0.01	0958.0	1476.2
17	1.01	23.2	1.1	9820.15	432.09	216.04	1.4	27.0	0.01	0056.3	1461.0
18	1.01	25.5	1.1	8746.23	384.83	192.42	1.4	27.0	0.0	9002.0	1443.0
19	1.01	27.9	1.1	7564.02	332.82	166.41	1.4	27.0	0.0	7804.6	1422.9
20	4.5	34.9	5.51	6977.01	746.99	373.49	1.4	27.0	0.01	6452.6	6087.1

xc = 93.445 yc = 39.007 Rc = 20.121 Fs=10.319

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.62	-14.2	0.6	93.96	4.13	2.07	0.0	21.0	0.0	97.8	3.6
2	0.73	-12.2	0.7	436.7	19.22	9.61	0.0	21.0	0.0	450.5	16.8
3	0.52	-10.4	0.5	511.69	22.51	11.26	0.0	21.0	0.0	523.8	19.5
4	0.49	-9.0	0.5	636.71	28.02	14.01	0.0	21.0	0.0	648.4	24.1
5	1.01	-6.8	1.0	1759.3	77.41	38.7	0.15	24.0	0.0	1798.7	224.9
6	0.37	-4.8	0.4	813.54	35.8	17.9	0.15	24.0	0.0	824.1	90.0
7	0.63	-3.4	0.6	1618.88	71.23	35.62	0.15	24.0	0.0	1631.4	162.6
8	0.61	-1.6	0.6	1707.01	75.11	37.55	0.15	24.0	0.0	1712.3	163.0
9	0.39	-0.2	0.4	1090.29	47.97	23.99	0.15	24.0	0.0	1090.6	104.2
10	1.01	1.8	1.0	2733.71	120.28	60.14	0.15	24.0	0.0	2726.8	264.0
11	0.47	3.9	0.5	1223.62	53.84	26.92	0.15	24.0	0.0	1218.2	121.0
12	0.54	5.3	0.5	1334.94	58.74	29.37	0.15	24.0	0.0	1328.1	135.6
13	1.01	7.6	1.0	2292.25	100.86	50.43	0.15	24.0	0.0	2279.7	245.9
14	0.33	9.5	0.3	671.4	29.54	14.77	0.15	24.0	0.0	667.8	77.0
15	0.68	10.9	0.7	1259.21	55.41	27.7	0.15	24.0	0.0	1252.6	154.6
16	0.57	12.7	0.6	903.16	39.74	19.87	0.0	21.0	0.0	918.3	34.2
17	0.62	14.5	0.6	826.18	36.35	18.18	0.0	21.0	0.0	845.2	31.4
18	0.82	16.6	0.9	793.06	34.89	17.45	0.0	21.0	0.0	818.6	30.5
19	0.42	18.5	0.4	254.38	11.19	5.6	0.0	21.0	0.0	264.9	9.9
20	0.62	20.1	0.7	150.64	6.63	3.31	0.0	21.0	0.0	158.2	5.9

xc = 24.268 yc = 43.782 Rc = 38.916 Fs=1.358

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.34	9.1	0.3	115.23	5.07	2.54	0.0	21.0	0.0	111.6	31.6
2	0.34	9.6	0.3	344.24	15.15	7.57	0.0	21.0	0.0	333.2	94.2

3	0.25	10.1	0.3	403.37	17.75	8.87	0.0	21.0	0.0	390.1	110.3
4	0.43	10.6	0.4	794.4	34.95	17.48	0.0	21.0	0.0	767.6	217.0
5	0.34	11.1	0.3	641.29	28.22	14.11	0.0	21.0	0.0	619.1	175.0
6	0.24	11.6	0.2	452.44	19.91	9.95	0.0	21.0	0.0	436.6	123.4
7	0.44	12.1	0.5	829.33	36.49	18.25	0.0	21.0	0.0	799.7	226.1
8	0.34	12.7	0.3	618.13	27.2	13.6	0.0	21.0	0.0	595.7	168.4
9	0.22	13.1	0.2	395.17	17.39	8.69	0.0	21.0	0.0	380.7	107.6
10	0.46	13.6	0.5	750.12	33.01	16.5	0.0	21.0	0.0	722.3	204.2
11	0.34	14.2	0.4	490.95	21.6	10.8	0.0	21.0	0.0	472.6	133.6
12	0.21	14.6	0.2	271.33	11.94	5.97	0.0	21.0	0.0	261.2	73.8
13	0.47	15.2	0.5	539.97	23.76	11.88	0.0	21.0	0.0	519.6	146.9
14	0.34	15.8	0.4	325.96	14.34	7.17	0.0	21.0	0.0	313.7	88.7
15	0.19	16.2	0.2	160.82	7.08	3.54	0.0	21.0	0.0	154.8	43.7
16	0.49	16.7	0.5	340.82	15.0	7.5	0.0	21.0	0.0	328.0	92.7
17	0.34	17.4	0.4	186.78	8.22	4.11	0.0	21.0	0.0	179.8	50.8
18	0.18	17.8	0.2	80.28	3.53	1.77	0.0	21.0	0.0	77.3	21.9
19	0.5	18.3	0.5	148.13	6.52	3.26	0.0	21.0	0.0	142.7	40.3
20	0.34	18.9	0.4	29.58	1.3	0.65	0.0	21.0	0.0	28.5	8.1

xc = 27.276 yc = 42.19 Rc = 37.454 Fs=1.424

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.56	3.6	0.6	130.94	5.76	2.88	0.0	21.0	49.9	79.9	21.5
2	0.31	4.2	0.3	185.95	8.18	4.09	0.0	21.0	44.9	138.7	37.4
3	1.01	5.2	1.0	1803.4	79.35	39.67	0.0	21.0	223.2	1548.6	417.5
4	0.35	6.3	0.4	1007.09	44.31	22.16	0.0	21.0	95.1	891.0	240.2
5	0.66	7.0	0.7	1967.05	86.55	43.27	0.0	21.0	203.5	1719.7	463.6
6	0.45	7.9	0.5	1386.26	61.0	30.5	0.0	21.0	150.7	1202.5	324.2
7	0.55	8.7	0.6	1683.77	74.09	37.04	0.0	21.0	189.0	1452.4	391.6
8	0.56	9.5	0.6	1645.77	72.41	36.21	0.0	21.0	194.7	1407.6	379.5
9	0.45	10.3	0.5	1235.69	54.37	27.19	0.0	21.0	159.1	1043.1	281.2
10	0.66	11.2	0.7	1711.82	75.32	37.66	0.0	21.0	229.4	1434.6	386.8
11	0.34	12.0	0.3	826.2	36.35	18.18	0.0	21.0	111.5	691.1	186.3
12	1.01	13.0	1.0	2263.46	99.59	49.8	0.0	21.0	297.4	1899.5	512.1
13	0.32	14.1	0.3	661.62	29.11	14.56	0.0	21.0	81.3	560.4	151.1
14	0.69	14.9	0.7	1307.11	57.51	28.76	0.0	21.0	143.6	1123.4	302.9
15	0.42	15.7	0.4	705.09	31.02	15.51	0.0	21.0	64.5	618.6	166.8
16	0.56	16.5	0.6	778.96	34.27	17.14	0.0	21.0	52.2	702.0	189.3
17	0.56	17.4	0.6	614.9	27.06	13.53	0.0	21.0	10.9	583.6	157.3
18	0.48	18.2	0.5	399.68	17.59	8.79	0.0	21.0	0.0	386.5	104.2
19	0.63	19.1	0.7	325.12	14.31	7.15	0.0	21.0	0.0	314.7	84.8
20	0.56	20.1	0.6	73.03	3.21	1.61	0.0	21.0	0.0	70.8	19.1

xc = 30.284 yc = 43.782 Rc = 39.162 Fs=3.244

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.72	-2.1	0.7	27.1	1.19	0.6	0.0	21.0	0.0	27.2	3.2
2	1.01	-0.9	1.0	662.06	29.13	14.57	0.0	21.0	286.9	375.9	44.5
3	1.01	0.6	1.02	305.75	101.45	50.73	0.0	21.0	494.7	1808.9	214.0
4	1.01	2.1	1.0	3631.4	159.78	79.89	0.0	21.0	651.2	2969.5	351.4
5	1.01	3.5	1.03	887.18	171.04	85.52	0.15	24.0	781.5	3056.8	885.6
6	1.01	5.0	1.03	864.95	170.06	85.03	0.15	24.0	873.7	2926.5	868.7
7	1.01	6.5	1.03	690.34	162.37	81.19	0.15	24.0	951.6	2661.5	833.5
8	1.01	8.0	1.03	586.31	157.8	78.9	0.15	24.0	1003.0	2494.7	812.2
9	1.01	9.5	1.03	468.62	152.62	76.31	0.15	24.0	1027.6	2342.5	793.1
10	1.41	11.3	1.44	376.92	192.58	96.29	0.15	24.0	1414.2	2811.6	1050.7
11	0.6	12.8	0.61	661.55	73.11	36.55	0.15	24.0	582.7	1010.0	424.2
12	1.01	14.0	1.02	450.34	107.82	53.91	0.15	24.0	925.1	1404.5	672.2
13	1.01	15.5	1.02	122.94	93.41	46.7	0.15	24.0	826.6	1166.9	642.9
14	1.01	17.0	1.1	1870.6	82.31	41.15	0.15	24.0	711.1	1020.7	626.7
15	1.01	18.6	1.11	626.87	71.58	35.79	0.15	24.0	565.8	912.3	616.0
16	1.01	20.1	1.11	455.38	64.04	32.02	0.15	24.0	378.0	919.5	621.7
17	1.01	21.7	1.11	389.46	61.14	30.57	0.0	21.0	170.7	1252.9	148.2
18	1.01	23.3	1.11	264.61	55.64	27.82	0.0	21.0	0.0	1310.2	155.0
19	1.01	24.9	1.1	1086.9	47.82	23.91	0.0	21.0	0.0	1136.1	134.4
20	1.53	27.0	1.7	499.17	21.96	10.98	0.0	21.0	0.0	528.4	62.5

xc = 33.291 yc = 42.19 Rc = 37.70 Fs=2.518

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-5.5	1.0	589.64	25.94	12.97	0.0	21.0	252.9	343.3	52.4
2	1.01	-4.0	1.02	383.46	104.87	52.44	0.0	21.0	536.7	1870.9	285.3
3	1.01	-2.4	1.03	858.78	169.79	84.89	0.15	24.0	773.1	3137.4	1154.9
4	1.01	-0.9	1.04	268.89	187.83	93.92	0.15	24.0	982.4	3305.4	1184.1
5	1.01	0.6	1.04	394.96	193.38	96.69	0.15	24.0	1152.7	3229.6	1170.7
6	1.01	2.2	1.04	367.31	192.16	96.08	0.15	24.0	1307.9	3018.8	1133.8
7	1.01	3.7	1.04	409.16	194.0	97.0	0.15	24.0	1436.1	2907.3	1114.9
8	1.01	5.2	1.0	4436.6	195.21	97.61	0.15	24.0	1537.0	2811.1	1099.2
9	2.01	7.5	2.08	387.98	369.07	184.54	0.15	24.0	3262.2	4895.8	2075.3
10	1.01	9.9	1.03	851.93	169.48	84.74	0.15	24.0	1662.7	2053.2	971.6

11	1.01	11.4	1.03	669.47	161.46	80.73	0.15	24.0	1640.6	1879.3	943.9
12	1.01	13.0	1.03	562.81	156.76	78.38	0.15	24.0	1601.7	1797.4	933.1
13	1.01	14.6	1.03	465.82	152.5	76.25	0.15	24.0	1533.7	1754.8	929.7
14	1.01	16.1	1.03	442.47	151.47	75.73	0.15	24.0	1423.8	1827.4	947.3
15	1.01	17.7	1.13	519.43	154.86	77.43	0.15	24.0	1295.5	2019.4	986.6
16	1.01	19.3	1.13	536.97	155.63	77.81	0.15	24.0	1135.8	2186.0	1022.0
17	3.02	22.6	3.39	406.08	413.87	206.93	0.15	24.0	2121.0	6594.1	3114.9
18	3.08	27.8	3.58	455.25	372.03	186.02	0.0	21.0	0.0	8846.2	1348.8
19	0.94	31.3	1.11	924.85	84.69	42.35	0.0	21.0	0.0	2061.1	314.3
20	1.64	33.6	2.01	326.41	58.36	29.18	0.0	21.0	0.0	1446.0	220.5

xc = 39.307 yc = 42.19 Rc = 37.946 Fs=2.146

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.93	-13.1	1.01	170.64	51.51	25.75	0.0	21.0	0.0	1253.8	224.3
2	1.01	-11.6	1.02	941.75	129.44	64.72	0.0	21.0	278.4	2822.0	504.9
3	1.01	-10.0	1.03	643.35	160.31	80.15	0.0	21.0	651.4	3137.6	561.3
4	1.01	-8.5	1.04	075.02	179.3	89.65	0.15	24.0	984.3	3334.3	1403.1
5	1.01	-7.0	1.04	355.01	191.62	95.81	0.15	24.0	1301.5	3244.7	1381.9
6	1.01	-5.4	1.04	703.81	206.97	103.48	0.15	24.0	1591.2	3258.0	1382.6
7	3.02	-2.4	3.01	5656.2	688.87	344.44	0.15	24.0	6231.3	9603.7	4104.9
8	5.03	3.7	5.02	8608.81	1258.79	629.39	0.15	24.0	13690.1	14526.1	6538.8
9	2.01	9.1	2.01	3795.39	607.0	303.5	0.15	24.0	5931.3	7488.5	2978.5
10	1.1	11.4	1.18	046.71	354.06	177.03	0.15	24.0	3227.8	4565.7	1733.7
11	1.92	13.8	2.01	3536.09	595.59	297.79	0.15	24.0	5466.3	7584.6	2953.2
12	2.01	16.9	2.11	5066.57	662.93	331.46	0.15	24.0	5353.7	9129.5	3364.5
13	2.01	20.1	2.11	6601.19	730.45	365.23	0.15	24.0	4890.0	11081.0	3797.2
14	1.01	22.5	1.17	686.75	338.22	169.11	0.15	24.0	2189.3	5189.0	1838.2
15	2.01	25.0	2.21	3631.08	599.77	299.88	0.15	24.0	3714.0	9317.0	3485.7
16	1.31	27.8	1.57	247.31	318.88	159.44	0.15	24.0	1825.9	5030.9	2082.4
17	1.7	30.4	2.06	945.39	305.6	152.8	0.15	24.0	1505.8	4899.6	2398.6
18	1.01	32.8	1.22	983.36	131.27	65.63	0.15	24.0	349.4	2288.2	1311.8
19	1.01	34.6	1.22	330.07	102.52	51.26	0.15	24.0	0.0	1960.3	1261.8
20	3.13	38.6	4.0	3251.3	143.06	71.53	0.0	21.0	0.0	3640.0	651.2

xc = 42.314 yc = 43.782 Rc = 39.654 Fs=4.736

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	-16.7	0.5	350.29	15.41	7.71	0.0	21.0	0.0	374.7	30.4
2	1.01	-15.5	1.01	897.54	83.49	41.75	0.0	21.0	0.0	2014.9	163.3
3	1.01	-14.0	1.02	736.14	120.39	60.2	0.0	21.0	161.0	2709.2	219.6
4	1.01	-12.5	1.03	289.99	144.76	72.38	0.0	21.0	567.9	2839.7	230.2
5	1.01	-11.1	1.03	704.82	163.01	81.51	0.15	24.0	959.3	2914.4	598.7
6	1.01	-9.6	1.04	195.04	184.58	92.29	0.15	24.0	1323.4	3014.5	606.6
7	3.02	-6.6	3.01	4986.31	659.4	329.7	0.15	24.0	5878.7	9383.9	1844.7
8	7.04	0.7	7.04	5251.7	1991.08	995.54	0.15	24.0	21783.6	23419.3	4432.6
9	1.86	7.1	1.91	6543.82	727.93	363.96	1.4	27.0	0.0	15771.4	7228.9
10	1.16	9.3	1.21	0409.68	458.03	229.01	1.4	27.0	0.0	9805.8	4534.1
11	1.01	10.9	1.09	482.38	417.22	208.61	1.4	27.0	0.0	8889.5	3985.3
12	1.01	12.4	1.01	0244.32	450.75	225.37	1.4	27.0	0.0	9593.4	4077.2
13	1.01	13.9	1.01	0843.1	477.1	238.55	1.4	27.0	0.0	10142.9	4154.9
14	1.01	15.4	1.01	0810.85	475.68	237.84	1.4	27.0	0.0	10066.2	4167.7
15	1.01	16.9	1.11	0545.22	463.99	231.99	1.4	27.0	0.0	9758.1	4158.2
16	1.01	18.4	1.11	0156.22	446.87	223.44	1.4	27.0	0.0	9326.6	4138.2
17	1.01	20.0	1.19	707.39	427.13	213.56	1.4	27.0	0.0	8833.6	4114.6
18	3.02	23.1	3.32	5452.06	1119.89	559.95	1.4	27.0	0.0	22500.7	12121.3
19	8.16	32.5	9.74	9833.6	2192.68	1096.34	0.15	24.0	9828.3	42902.9	7097.3
20	1.94	41.3	2.62	261.49	99.51	49.75	0.0	21.0	0.0	2811.8	227.9

xc = 48.33 yc = 43.782 Rc = 39.461 Fs=6.515

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.76	-20.0	0.8	211.66	9.31	4.66	0.0	21.0	0.0	230.2	13.6
2	1.01	-18.6	1.1	979.86	43.11	21.56	0.0	21.0	0.0	1055.1	62.2
3	3.02	-15.6	3.1	7096.4	312.24	156.12	0.0	21.0	1723.9	5670.9	334.1
4	4.02	-10.3	4.11	7437.77	767.26	383.63	0.15	24.0	8053.9	9833.5	1614.0
5	2.01	-5.9	2.01	2963.35	570.39	285.19	0.15	24.0	5948.7	7150.7	954.5
6	2.01	-3.0	2.01	6558.9	728.59	364.3	1.4	27.0	0.0	16874.5	5649.9
7	2.01	0.0	2.01	8791.24	826.81	413.41	1.4	27.0	0.0	18796.1	5794.4
8	2.01	2.9	2.02	1925.68	964.73	482.36	1.4	27.0	0.0	21650.7	6023.1
9	2.01	5.8	2.02	5774.27	1134.07	567.03	1.4	27.0	0.0	25264.2	6322.6
10	3.02	9.5	3.13	9470.82	1736.72	868.36	1.4	27.0	0.0	38416.4	9581.2
11	1.15	12.6	1.21	4825.14	652.31	326.15	1.4	27.0	0.0	14372.6	3662.1
12	1.87	14.8	1.92	3061.86	1014.72	507.36	1.4	27.0	0.0	22296.6	5891.5
13	1.01	17.0	1.11	2172.45	535.59	267.79	1.4	27.0	0.0	11756.3	3180.5
14	1.01	18.5	1.11	2210.02	537.24	268.62	1.4	27.0	0.0	11803.9	3203.7
15	1.01	20.1	1.11	2075.68	531.33	265.67	1.4	27.0	0.0	11681.8	3215.8
16	1.01	21.6	1.11	2335.33	542.75	271.38	1.4	27.0	0.0	11976.4	3262.9
17	1.01	23.2	1.11	2688.5	558.29	279.15	1.4	27.0	0.0	12382.3	3321.4
18	1.01	24.8	1.11	2312.59	541.75	270.88	1.4	27.0	0.0	12029.1	3323.2

19	1.01	26.5	1.11	1977.92	527.03	263.51	1.4	27.0	0.01	1720.9	3331.7
20	9.94	36.3	12.36	8086.59	2995.81	1497.91	1.4	27.0	0.06	1479.1	31299.5

xc = 51.337 yc = 42.19 Rc = 37.52 Fs=6.135

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-19.6	1.1	395.74	17.41	8.71	0.0	21.0	0.0	429.8	26.9
2	1.01	-18.0	1.1	1079.88	47.51	23.76	0.0	21.0	194.3	950.5	59.5
3	1.01	-16.4	1.0	1835.79	80.77	40.39	0.15	24.0	675.5	1312.9	351.7
4	1.01	-14.8	1.0	2681.57	117.99	58.99	0.15	24.0	1137.9	1696.3	377.6
5	1.01	-13.2	1.0	3535.43	155.56	77.78	0.15	24.0	1570.3	2113.9	406.1
6	1.01	-11.6	1.0	4463.64	196.4	98.2	0.15	24.0	1961.3	2646.2	443.2
7	1.01	-10.1	1.0	5495.18	241.79	120.89	0.15	24.0	2335.3	3296.2	489.1
8	1.01	-8.5	1.0	6472.67	284.8	142.4	0.15	24.0	2680.9	3913.8	532.8
9	3.02	-5.4	3.02	4438.0	1075.27	537.64	1.4	27.0	0.02	5405.3	9029.8
10	8.9	3.7	8.91	15453.4	5079.95	2539.97	1.4	27.0	0.11	3759.3	29807.8
11	1.16	11.5	1.21	5069.92	663.08	331.54	1.4	27.0	0.01	4583.8	3910.9
12	1.01	13.1	1.01	3080.81	575.56	287.78	1.4	27.0	0.01	2637.0	3407.6
13	1.01	14.7	1.01	3286.88	584.62	292.31	1.4	27.0	0.01	2834.0	3440.2
14	1.01	16.3	1.01	3321.69	586.15	293.08	1.4	27.0	0.01	2867.5	3461.4
15	1.01	17.9	1.11	3751.51	605.07	302.53	1.4	27.0	0.01	3314.7	3519.3
16	1.01	19.6	1.11	4276.3	628.16	314.08	1.4	27.0	0.01	3875.2	3589.2
17	1.01	21.2	1.11	4073.88	619.25	309.63	1.4	27.0	0.01	3698.7	3600.5
18	1.01	22.8	1.11	3915.12	612.27	306.13	1.4	27.0	0.01	3575.0	3619.2
19	1.01	24.5	1.11	3639.31	600.13	300.06	1.4	27.0	0.01	3335.0	3631.5
20	10.79	35.5	13.39	5283.17	4192.46	2096.23	1.4	27.0	0.09	0141.6	37738.7

xc = 57.353 yc = 42.19 Rc = 36.586 Fs=5.01

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.9	-20.0	1.0	587.23	25.84	12.92	0.0	21.0	0.0	643.0	49.3
2	1.01	-18.4	1.1	1886.53	83.01	41.5	0.0	21.0	267.1	1751.8	134.2
3	3.02	-15.2	3.11	2364.32	544.03	272.02	0.15	24.0	3678.0	9481.5	1779.0
4	3.02	-10.3	3.12	3186.19	1020.19	510.1	0.15	24.0	7390.8	16488.0	2383.9
5	2.01	-6.3	2.02	0909.61	920.02	460.01	1.4	27.0	0.02	1910.7	7886.4
6	2.01	-3.2	2.02	3088.1	1015.88	507.94	1.4	27.0	0.02	3565.7	8028.9
7	1.51	-0.4	1.51	8367.42	808.17	404.08	1.4	27.0	0.01	8409.7	6094.4

8	1.51	2.0	1.51	8771.65	825.95	412.98	1.4	27.0	0.018	572.7	6104.9
9	1.01	3.9	1.01	2991.79	571.64	285.82	1.4	27.0	0.012	739.1	4114.1
10	1.01	5.5	1.01	3582.77	597.64	298.82	1.4	27.0	0.013	242.7	4171.8
11	1.01	7.1	1.01	4006.58	616.29	308.14	1.4	27.0	0.013	589.3	4215.7
12	1.01	8.7	1.01	4830.51	652.54	326.27	1.4	27.0	0.014	344.6	4303.5
13	1.01	10.3	1.01	5755.61	693.25	346.62	1.4	27.0	0.015	213.2	4405.1
14	1.01	11.9	1.01	5960.89	702.28	351.14	1.4	27.0	0.015	376.2	4437.4
15	1.01	13.5	1.01	6218.52	713.61	356.81	1.4	27.0	0.015	603.8	4478.9
16	3.02	16.8	3.24	8033.95	2113.49	1056.75	1.4	27.0	0.046	099.6	13500.1
17	7.69	26.0	8.61	05209.44	629.21	2314.61	1.4	27.0	0.010	0411.9	34117.0
18	1.93	34.5	2.33	5735.17	1572.35	786.17	1.4	27.0	0.036	338.5	10228.5
19	1.93	38.3	2.52	9795.96	1311.02	655.51	1.4	27.0	0.030	128.0	9920.3
20	1.93	42.2	2.62	1910.19	964.05	482.02	1.4	27.0	0.021	049.9	9410.4

xc = 63.368 yc = 42.19 Rc = 28.116 Fs=1.753

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	5.2	0.3	23.43	1.03	0.52	0.0	21.0	0.0	23.1	5.0
2	0.34	5.9	0.3	101.33	4.46	2.23	0.0	21.0	0.0	99.6	21.8
3	0.18	6.4	0.2	73.29	3.22	1.61	0.0	21.0	0.0	72.0	15.8
4	0.26	6.8	0.3	111.42	4.9	2.45	0.0	21.0	0.0	109.3	23.9
5	0.26	7.4	0.3	114.46	5.04	2.52	0.0	21.0	0.0	112.2	24.6
6	0.31	8.0	0.3	140.49	6.18	3.09	0.0	21.0	0.0	137.6	30.1
7	0.21	8.5	0.2	87.06	3.83	1.92	0.0	21.0	0.0	85.2	18.7
8	0.26	9.0	0.3	92.62	4.08	2.04	0.0	21.0	0.0	90.6	19.8
9	0.26	9.5	0.3	72.45	3.19	1.59	0.0	21.0	0.0	70.9	15.5
10	0.26	10.0	0.3	51.09	2.25	1.12	0.0	21.0	0.0	50.0	10.9
11	0.26	10.6	0.3	41.68	1.83	0.92	0.0	21.0	0.0	40.7	8.9
12	0.26	11.1	0.3	50.11	2.2	1.1	0.0	21.0	0.0	49.0	10.7
13	0.26	11.6	0.3	57.32	2.52	1.26	0.0	21.0	0.0	56.0	12.3
14	0.25	12.2	0.3	61.8	2.72	1.36	0.0	21.0	0.0	60.4	13.2
15	0.26	12.7	0.3	67.63	2.98	1.49	0.0	21.0	0.0	66.1	14.5
16	0.26	13.3	0.3	65.82	2.9	1.45	0.0	21.0	0.0	64.3	14.1
17	0.26	13.8	0.3	64.31	2.83	1.41	0.0	21.0	0.0	62.8	13.8
18	0.22	14.3	0.2	53.25	2.34	1.17	0.0	21.0	0.0	52.1	11.4
19	0.29	14.9	0.3	50.95	2.24	1.12	0.0	21.0	0.0	49.8	10.9
20	0.26	15.5	0.3	14.61	0.64	0.32	0.0	21.0	0.0	14.3	3.1

xc = 66.376 yc = 43.782 Rc = 38.193 Fs=5.186

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.86	-25.6	1.0	576.0	25.34	12.67	0.0	21.0	0.0	662.1	49.0
2	1.01	-24.1	1.12	563.95	112.81	56.41	0.0	21.0	0.0	2903.6	214.9
3	1.01	-22.4	1.14	399.38	193.57	96.79	0.15	24.0	399.4	4620.0	711.5
4	1.01	-20.8	1.15	609.31	246.81	123.4	0.15	24.0	1016.0	5200.6	757.8
5	1.01	-19.2	1.16	589.73	289.95	144.97	0.15	24.0	1612.0	5542.9	784.0
6	1.01	-17.6	1.17	454.09	327.98	163.99	0.15	24.0	2176.2	5791.0	802.5
7	1.01	-16.0	1.08	405.86	369.86	184.93	1.4	27.0	0.0	9833.1	3792.1
8	3.02	-12.9	3.13	0653.96	1348.77	674.39	1.4	27.0	0.034	130.9	11713.8
9	12.34	-1.3	12.32	23165.4	9819.28	4909.64	1.4	27.0	0.022	4456.4	55378.4
10	1.9	9.5	1.93	8098.8	1676.35	838.17	1.4	27.0	0.037	147.2	8860.8
11	1.71	12.2	1.73	5647.81	1568.5	784.25	1.4	27.0	0.034	714.6	8124.8
12	2.35	15.4	2.45	3900.78	2371.63	1185.82	1.4	27.0	0.052	667.8	11758.3
13	2.35	19.1	2.56	7384.05	2964.9	1482.45	1.4	27.0	0.066	707.9	13270.8
14	2.35	22.8	2.66	3019.68	2772.87	1386.43	1.4	27.0	0.062	878.6	13066.5
15	3.07	27.4	3.57	5342.0	3315.05	1657.52	1.4	27.0	0.076	127.2	16814.6
16	2.1	31.8	2.53	7137.97	1634.07	817.04	1.4	27.0	0.037	294.9	10324.8
17	2.01	35.5	2.52	9853.69	1313.56	656.78	1.4	27.0	0.029	820.5	9603.4
18	3.02	40.3	4.03	3898.2	1491.52	745.76	1.4	27.0	0.032	666.2	13899.1
19	1.56	45.0	2.21	1374.04	500.46	250.23	1.4	27.0	0.0	9232.4	6850.9
20	2.35	49.3	3.66	439.03	283.32	141.66	0.15	24.0	0.0	7876.4	1719.4

xc = 69.383 yc = 42.19 Rc = 37.587 Fs=5.35

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.05	-30.5	0.1	2.34	0.1	0.05	0.0	21.0	0.0	2.8	0.2
2	1.01	-29.6	1.21	433.43	63.07	31.54	0.0	21.0	0.0	1718.9	123.3
3	1.01	-27.9	1.13	474.79	152.89	76.45	0.0	21.0	0.0	4085.4	293.1
4	1.01	-26.1	1.14	896.11	215.43	107.71	0.15	24.0	640.6	5103.0	738.9
5	1.01	-24.4	1.16	086.08	267.79	133.89	0.15	24.0	1346.9	5556.9	772.3
6	1.01	-22.8	1.17	151.89	314.68	157.34	0.15	24.0	2017.2	5903.4	797.2
7	1.01	-21.1	1.18	275.19	364.11	182.05	1.4	27.0	0.010	341.4	3807.5
8	3.02	-17.9	3.23	1605.99	1390.66	695.33	1.4	27.0	0.037	023.7	11825.9
9	13.56	-5.0	13.62	80465.7	12340.49	6170.25	1.4	27.0	0.028	7084.5	62967.4
10	2.15	7.1	2.25	2441.3	2307.42	1153.71	1.4	27.0	0.051	531.0	10583.8
11	2.48	10.6	2.56	5149.63	2866.58	1433.29	1.4	27.0	0.063	904.3	12695.3
12	2.48	14.5	2.68	1848.13	3601.32	1800.66	1.4	27.0	0.080	817.5	14406.8
13	2.48	18.5	2.67	8214.13	3441.42	1720.71	1.4	27.0	0.077	702.6	14248.5
14	2.92	22.9	3.28	6987.11	3827.43	1913.72	1.4	27.0	0.087	407.0	16606.0
15	2.1	27.1	2.44	9645.16	2184.39	1092.19	1.4	27.0	0.050	165.4	10940.7

16	3.02	31.6	3.56	2775.01	2762.1	1381.05	1.4	27.0	0.06	4228.2	15389.5
17	2.01	36.2	2.53	5968.27	1582.6	791.3	1.4	27.0	0.03	7199.8	10067.5
18	3.02	41.1	4.04	2112.48	1852.95	926.47	1.4	27.0	0.04	3165.0	14600.0
19	1.83	46.2	2.61	5758.2	693.36	346.68	1.4	27.0	0.01	4143.7	8271.4
20	2.48	51.3	4.07	557.45	332.53	166.26	0.15	24.0	900.3	8382.1	1809.6

xc = 72.391 yc = 43.782 Rc = 38.293 Fs=5.622

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.74	-30.5	0.9	419.08	18.44	9.22	0.0	21.0	0.0	506.7	34.6
2	1.01	-29.0	1.21	709.35	75.21	37.61	0.0	21.0	0.0	2031.2	138.7
3	1.01	-27.3	1.1	2925.1	128.7	64.35	0.0	21.0	0.0	3411.6	233.0
4	1.01	-25.6	1.14	102.79	180.52	90.26	0.15	24.0	504.9	4295.5	637.9
5	3.02	-22.3	3.31	8513.59	814.6	407.3	0.15	24.0	5580.9	14820.9	2044.5
6	8.19	-13.6	8.41	18716.6	5223.53	2611.77	1.4	27.0	0.01	30038.3	32755.7
7	1.88	-5.9	1.93	6467.85	1604.59	802.29	1.4	27.0	0.03	7488.6	8095.9
8	1.01	-3.7	1.02	726.02	911.94	455.97	1.4	27.0	0.02	1053.7	4419.1
9	1.27	-2.0	1.32	6898.35	1183.53	591.76	1.4	27.0	0.02	7108.9	5628.2
10	1.22	-0.1	1.22	6122.24	1149.38	574.69	1.4	27.0	0.02	6132.9	5409.2
11	0.68	1.3	0.71	5126.15	665.55	332.78	1.4	27.0	0.01	5059.9	3066.1
12	0.82	2.4	0.81	8703.62	822.96	411.48	1.4	27.0	0.01	8562.4	3717.9
13	0.27	3.2	0.36	189.08	272.32	136.16	1.4	27.0	0.0	6129.5	1226.1
14	10.75	11.7	11.03	21563.7	14148.8	7074.4	1.4	27.0	0.03	16779.1	56040.0
15	0.08	20.0	0.1	2171.8	95.56	47.78	1.4	27.0	0.0	2158.5	419.4
16	1.01	20.9	1.12	5473.03	1120.81	560.41	1.4	27.0	0.02	5362.4	4980.3
17	3.02	24.1	3.37	1377.74	3140.62	1570.31	1.4	27.0	0.07	1618.9	14729.2
18	8.05	33.9	9.71	48733.3	6544.27	3272.13	1.4	27.0	0.01	53606.6	38072.6
19	2.36	43.6	3.32	1126.09	929.55	464.77	1.4	27.0	0.01	9737.6	9909.8
20	2.49	48.9	3.87	447.78	327.7	163.85	1.4	27.0	0.0	458.9	9484.5

xc = 75.399 yc = 42.19 Rc = 35.527 Fs=6.467

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	2.06	-28.7	2.32	256.16	99.27	49.64	0.0	21.0	0.0	2659.2	157.8
2	1.01	-25.9	1.1	3099.1	136.36	68.18	0.15	24.0	410.3	3223.7	481.4
3	1.01	-24.1	1.14	627.86	203.63	101.81	0.15	24.0	1098.9	4108.3	538.6
4	1.01	-22.4	1.16	023.52	265.03	132.52	1.4	27.0	0.0	7733.6	2964.7

5	1.01	-20.6	1.1	8087.62	355.86	177.93	1.4	27.0	0.0	9808.1	3100.0
6	1.01	-18.9	1.1	10238.76	450.51	225.25	1.4	27.0	0.0	11932.2	3242.4
7	1.01	-17.2	1.1	11659.46	513.02	256.51	1.4	27.0	0.0	13232.8	3322.6
8	1.01	-15.5	1.0	13125.18	577.51	288.75	1.4	27.0	0.0	14565.8	3407.9
9	3.02	-12.2	3.1	45975.87	2022.94	1011.47	1.4	27.0	0.0	49311.7	10569.7
10	10.83	-0.9	10.8	254950.61	11217.83	5608.91	1.4	27.0	0.0	255677.5	43581.1
11	2.29	9.7	2.3	68964.54	3034.44	1517.22	1.4	27.0	0.0	68185.8	10411.6
12	2.89	14.0	3.0	85304.38	3753.39	1876.7	1.4	27.0	0.0	84644.7	13127.1
13	2.1	18.2	2.2	51007.7	2244.34	1122.17	1.4	27.0	0.0	50806.8	8781.0
14	2.01	21.7	2.2	46037.57	2025.65	1012.83	1.4	27.0	0.0	46237.8	8332.3
15	3.02	26.2	3.4	64003.48	2816.15	1408.08	1.4	27.0	0.0	65216.4	12420.0
16	2.01	30.8	2.3	38191.7	1680.44	840.22	1.4	27.0	0.0	39578.2	8189.2
17	2.01	34.7	2.4	32188.27	1416.28	708.14	1.4	27.0	0.0	33636.9	7945.7
18	3.02	39.8	3.9	35033.18	1541.46	770.73	1.4	27.0	0.0	36139.5	11351.8
19	1.29	44.4	1.8	9321.51	410.15	205.07	1.4	27.0	0.0	8557.8	4585.3
20	2.29	48.7	3.5	5935.39	261.16	130.58	1.4	27.0	0.0	396.4	7554.3

xc = 78.406 yc = 43.782 Rc = 33.787 Fs=8.072

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.94	-25.4	1.0	672.61	29.59	14.8	0.0	21.0	0.0	761.7	36.2
2	1.01	-23.6	1.1	2016.82	88.74	44.37	0.0	21.0	0.0	2247.0	106.9
3	1.01	-21.7	1.1	3433.97	151.09	75.55	0.15	24.0	0.0	3861.4	414.2
4	3.02	-18.1	3.2	16782.06	738.41	369.21	1.4	27.0	0.0	19867.6	6762.2
5	4.18	-11.8	4.3	38838.37	1708.89	854.44	1.4	27.0	0.0	41771.9	10047.4
6	1.55	-6.8	1.6	18853.42	829.55	414.78	1.4	27.0	0.0	19460.6	3936.0
7	1.95	-3.9	2.0	26211.17	1153.29	576.65	1.4	27.0	0.0	26612.5	5070.8
8	1.95	-0.5	2.0	45372.03	1996.37	998.18	1.4	27.0	0.0	45433.5	6251.3
9	1.95	2.8	2.0	45557.3	2004.52	1002.26	1.4	27.0	0.0	45308.6	6247.2
10	1.95	6.1	2.0	45219.71	1989.67	994.83	1.4	27.0	0.0	44811.7	6231.0
11	2.48	9.9	2.5	57421.54	2526.55	1263.27	1.4	27.0	0.0	56900.4	7955.8
12	2.1	13.8	2.2	38768.3	1705.81	852.9	1.4	27.0	0.0	38407.9	6169.9
13	2.01	17.5	2.1	35079.29	1543.49	771.74	1.4	27.0	0.0	34930.0	5863.8
14	2.01	21.1	2.2	33181.23	1459.97	729.99	1.4	27.0	0.0	33309.5	5843.3
15	2.01	24.8	2.2	31490.81	1385.6	692.8	1.4	27.0	0.0	31980.2	5863.3
16	2.01	28.6	2.3	26860.83	1181.88	590.94	1.4	27.0	0.0	27483.5	5710.8
17	1.03	31.6	1.2	11625.44	511.52	255.76	1.4	27.0	0.0	11896.6	2847.6
18	0.98	33.6	1.2	9627.21	423.6	211.8	1.4	27.0	0.0	9789.2	2664.3
19	2.01	36.7	2.5	14910.28	656.05	328.03	1.4	27.0	0.0	14664.5	5281.3
20	2.86	42.1	3.9	7820.36	344.1	172.05	1.4	27.0	0.0	4255.9	6952.0

xc = 81.414 yc = 42.19 Rc = 30.459 Fs=9.599

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.96	-24.2	1.1	618.29	27.2	13.6	0.0	21.0	0.0	690.1	27.6
2	1.01	-22.2	1.1	1885.59	82.97	41.48	0.15	24.0	0.0	2145.5	269.3
3	1.27	-19.9	1.4	3802.57	167.31	83.66	0.15	24.0	0.0	4189.6	405.8
4	1.22	-17.4	1.3	4707.43	207.13	103.56	0.15	24.0	323.9	4724.5	419.0
5	0.68	-15.5	0.7	3594.88	158.17	79.09	1.4	27.0	0.0	4077.8	1250.1
6	0.82	-14.1	0.8	5332.25	234.62	117.31	1.4	27.0	0.0	5882.3	1540.0
7	0.27	-13.0	0.3	1884.93	82.94	41.47	1.4	27.0	0.0	2052.6	511.3
8	7.32	-5.8	7.4	115571.7	5085.16	2542.58	1.4	27.0	0.0	117896.1	16986.9
9	1.69	2.7	1.7	33280.64	1464.35	732.17	1.4	27.0	0.0	33117.0	4231.1
10	1.73	6.0	1.7	34907.66	1535.94	767.97	1.4	27.0	0.0	34640.1	4380.8
11	2.1	9.6	2.1	33074.25	1455.27	727.63	1.4	27.0	0.0	32725.6	4838.5
12	2.01	13.5	2.1	30332.88	1334.65	667.32	1.4	27.0	0.0	30088.7	4616.0
13	1.01	16.5	1.0	14725.56	647.92	323.96	1.4	27.0	0.0	14673.3	2309.2
14	2.01	19.5	2.1	28435.25	1251.15	625.58	1.4	27.0	0.0	28524.5	4627.1
15	2.01	23.5	2.2	26160.05	1151.04	575.52	1.4	27.0	0.0	26527.5	4609.5
16	1.01	26.7	1.1	11447.25	503.68	251.84	1.4	27.0	0.0	11674.2	2261.8
17	2.01	29.9	2.3	19082.16	839.61	419.81	1.4	27.0	0.0	19472.4	4419.6
18	2.01	34.4	2.4	13297.48	585.09	292.54	1.4	27.0	0.0	13200.3	4257.3
19	1.03	37.9	1.3	4258.12	187.36	93.68	1.4	27.0	0.0	3752.6	2111.9
20	1.69	41.3	2.3	2406.78	105.9	52.95	0.15	24.0	145.1	2594.6	472.5

xc = 84.422 yc = 43.782 Rc = 28.476 Fs=16.643

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.11	-11.5	1.1	10370.89	456.32	228.16	0.15	24.0	0.0	10661.9	387.5
2	1.11	-9.2	1.1	11799.9	519.2	259.6	0.15	24.0	0.0	12022.9	423.2
3	1.11	-7.0	1.1	12128.93	533.67	266.84	0.15	24.0	12.8	12258.4	428.9
4	1.11	-4.7	1.1	12447.33	547.68	273.84	1.4	27.0	0.0	12598.5	1324.4
5	1.11	-2.5	1.1	12847.08	565.27	282.64	1.4	27.0	0.0	12916.3	1331.9
6	1.11	-0.2	1.1	13269.23	583.85	291.92	1.4	27.0	0.0	13274.6	1342.0
7	0.57	1.5	0.6	7478.66	329.06	164.53	1.4	27.0	0.0	7462.8	712.3
8	0.08	2.1	0.1	709.42	31.21	15.61	1.4	27.0	0.0	706.5	92.7
9	1.01	3.2	1.0	8460.26	372.25	186.13	1.4	27.0	0.0	8411.3	1105.3
10	1.01	5.3	1.0	8401.9	369.68	184.84	1.4	27.0	0.0	8335.7	1105.2
11	2.01	8.3	2.0	16315.73	717.89	358.95	1.4	27.0	0.0	16166.7	2205.8
12	1.01	11.4	1.0	8045.96	354.02	177.01	1.4	27.0	0.0	7984.6	1107.9

13	1.01	13.5	1.07	936.32	349.2	174.6	1.4	27.0	0.0	7894.6	1112.1
14	1.01	15.6	1.07	895.46	347.4	173.7	1.4	27.0	0.0	7884.2	1120.1
15	1.01	17.7	1.17	548.34	332.13	166.06	1.4	27.0	0.0	7565.7	1120.0
16	1.01	19.8	1.16	771.01	297.92	148.96	1.4	27.0	0.0	6798.2	1107.9
17	1.01	22.0	1.15	878.23	258.64	129.32	1.4	27.0	0.0	5898.0	1093.4
18	1.01	24.2	1.14	864.32	214.03	107.02	1.4	27.0	0.0	4849.1	1076.4
19	1.01	26.4	1.13	751.24	165.05	82.53	1.4	27.0	0.0	3663.6	1057.4
20	2.84	30.9	3.34	804.06	211.38	105.69	0.15	24.0	0.0	5334.7	440.6

xc = 90.437 yc = 43.782 Rc = 24.41 Fs=2.844

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.21	-7.1	0.2	7.24	0.32	0.16	0.0	21.0	0.0	7.4	1.0
2	0.76	-5.9	0.8	112.23	4.94	2.47	0.0	21.0	0.0	114.4	15.4
3	0.48	-4.5	0.5	121.55	5.35	2.67	0.0	21.0	0.0	123.2	16.6
4	0.48	-3.3	0.5	205.41	9.04	4.52	0.0	21.0	0.0	207.4	28.0
5	0.29	-2.4	0.3	161.42	7.1	3.55	0.0	21.0	0.0	162.5	21.9
6	0.67	-1.3	0.7	482.3	21.22	10.61	0.0	21.0	0.0	483.9	65.3
7	0.33	-0.1	0.3	292.66	12.88	6.44	0.0	21.0	0.0	292.7	39.5
8	0.63	1.0	0.6	651.29	28.66	14.33	0.0	21.0	0.0	649.8	87.7
9	0.38	2.2	0.4	449.45	19.78	9.89	0.0	21.0	0.0	447.5	60.4
10	0.59	3.3	0.6	819.99	36.08	18.04	0.0	21.0	0.0	815.0	110.0
11	0.42	4.5	0.4	687.48	30.25	15.12	0.0	21.0	0.0	682.3	92.1
12	0.54	5.7	0.5	909.39	40.01	20.01	0.0	21.0	0.0	901.8	121.7
13	0.46	6.8	0.5	712.99	31.37	15.69	0.0	21.0	0.0	706.7	95.4
14	0.5	8.0	0.5	701.49	30.87	15.43	0.0	21.0	0.0	695.2	93.8
15	0.51	9.2	0.5	622.17	27.38	13.69	0.0	21.0	0.0	616.8	83.2
16	0.46	10.3	0.5	480.24	21.13	10.57	0.0	21.0	0.0	476.4	64.3
17	0.55	11.5	0.6	455.5	20.04	10.02	0.0	21.0	0.0	452.4	61.1
18	0.42	12.7	0.4	252.89	11.13	5.56	0.0	21.0	0.0	251.6	34.0
19	0.48	13.8	0.5	187.37	8.24	4.12	0.0	21.0	0.0	186.7	25.2
20	0.48	14.9	0.5	64.8	2.85	1.43	0.0	21.0	0.0	64.7	8.7

xc = 24.268 yc = 46.965 Rc = 42.086 Fs=1.425

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.37	8.4	0.4	135.77	5.97	2.99	0.0	21.0	0.0	132.0	35.6

2	0.37	8.9	0.4	405.62	17.85	8.92	0.0	21.0	0.0	393.9	106.1
3	0.22	9.3	0.2	369.85	16.27	8.14	0.0	21.0	0.0	358.9	96.7
4	0.52	9.8	0.5	995.16	43.79	21.89	0.0	21.0	0.0	965.0	260.0
5	0.49	10.5	0.5	970.29	42.69	21.35	0.0	21.0	0.0	939.9	253.2
6	0.24	11.0	0.2	483.39	21.27	10.63	0.0	21.0	0.0	467.9	126.1
7	0.37	11.5	0.4	715.9	31.5	15.75	0.0	21.0	0.0	692.6	186.6
8	0.4	12.0	0.4	750.91	33.04	16.52	0.0	21.0	0.0	726.1	195.6
9	0.34	12.5	0.3	610.61	26.87	13.43	0.0	21.0	0.0	590.2	159.0
10	0.37	13.0	0.4	601.36	26.46	13.23	0.0	21.0	0.0	581.0	156.5
11	0.3	13.5	0.3	442.9	19.49	9.74	0.0	21.0	0.0	427.8	115.3
12	0.44	14.0	0.4	575.03	25.3	12.65	0.0	21.0	0.0	555.3	149.6
13	0.37	14.5	0.4	423.99	18.66	9.33	0.0	21.0	0.0	409.4	110.3
14	0.2	14.9	0.2	209.8	9.23	4.62	0.0	21.0	0.0	202.6	54.6
15	0.53	15.5	0.6	481.22	21.17	10.59	0.0	21.0	0.0	464.7	125.2
16	0.47	16.2	0.5	353.48	15.55	7.78	0.0	21.0	0.0	341.4	92.0
17	0.26	16.7	0.3	158.02	6.95	3.48	0.0	21.0	0.0	152.6	41.1
18	0.37	17.1	0.4	173.61	7.64	3.82	0.0	21.0	0.0	167.7	45.2
19	0.37	17.7	0.4	112.78	4.96	2.48	0.0	21.0	0.0	109.0	29.4
20	0.37	18.2	0.4	41.31	1.82	0.91	0.0	21.0	0.0	39.9	10.8

xc = 27.276 yc = 45.373 Rc = 40.624 Fs=1.455

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.85	3.5	0.8	306.63	13.49	6.75	0.0	21.0	91.5	212.1	56.0
2	0.36	4.4	0.4	392.92	17.29	8.64	0.0	21.0	66.4	321.0	84.7
3	0.65	5.1	0.7	1406.86	61.9	30.95	0.0	21.0	156.2	1226.9	323.7
4	0.56	5.9	0.6	1627.66	71.62	35.81	0.0	21.0	161.7	1434.5	378.5
5	0.45	6.6	0.5	1359.71	59.83	29.91	0.0	21.0	142.8	1188.6	313.6
6	1.01	7.7	1.0	3104.56	136.6	68.3	0.0	21.0	360.2	2674.1	705.5
7	0.35	8.6	0.4	1071.8	47.16	23.58	0.0	21.0	134.4	911.6	240.5
8	0.65	9.4	0.7	1866.79	82.14	41.07	0.0	21.0	250.1	1570.2	414.3
9	0.55	10.2	0.6	1479.93	65.12	32.56	0.0	21.0	214.1	1227.9	323.9
10	0.45	10.9	0.5	1143.35	50.31	25.15	0.0	21.0	170.2	943.1	248.8
11	1.01	12.0	1.0	2381.77	104.8	52.4	0.0	21.0	361.4	1955.8	516.0
12	0.35	13.0	0.4	775.16	34.11	17.05	0.0	21.0	114.9	638.7	168.5
13	0.66	13.7	0.7	1349.82	59.39	29.7	0.0	21.0	191.8	1119.9	295.5
14	0.55	14.6	0.6	1000.16	44.01	22.0	0.0	21.0	136.2	835.4	220.4
15	0.6	15.4	0.6	924.32	40.67	20.34	0.0	21.0	113.7	783.8	206.8
16	0.86	16.5	0.9	1021.52	44.95	22.47	0.0	21.0	95.1	896.2	236.4
17	0.35	17.4	0.4	306.06	13.47	6.73	0.0	21.0	11.9	284.8	75.1
18	0.66	18.1	0.7	392.38	17.26	8.63	0.0	21.0	0.0	380.0	100.3
19	0.55	19.0	0.6	169.95	7.48	3.74	0.0	21.0	0.0	164.8	43.5
20	0.6	19.9	0.6	69.5	3.06	1.53	0.0	21.0	0.0	67.5	17.8

xc = 30.284 yc = 46.965 Rc = 42.332 Fs=3.02

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.64	-1.9	0.6	20.37	0.9	0.45	0.0	21.0	0.0	20.5	2.6
2	1.01	-0.8	1.0	637.71	28.06	14.03	0.0	21.0	273.8	364.7	46.4
3	1.01	0.5	1.0	2281.04	100.37	50.18	0.0	21.0	481.4	1797.6	228.5
4	1.01	1.9	1.0	3609.96	158.84	79.42	0.0	21.0	639.6	2959.5	376.2
5	1.01	3.3	1.0	3872.22	170.38	85.19	0.15	24.0	773.7	3049.3	950.2
6	1.01	4.6	1.0	3860.81	169.88	84.94	0.15	24.0	871.6	2923.4	932.5
7	1.01	6.0	1.0	3700.85	162.84	81.42	0.15	24.0	957.2	2664.6	895.5
8	1.01	7.4	1.0	3615.37	159.08	79.54	0.15	24.0	1018.3	2505.7	873.4
9	1.01	8.8	1.0	3520.26	154.89	77.45	0.15	24.0	1054.8	2363.0	854.1
10	2.01	10.8	2.0	6204.92	273.02	136.51	0.15	24.0	2113.2	3862.3	1587.3
11	1.01	12.9	1.0	2595.2	114.19	57.09	0.15	24.0	1001.3	1468.0	729.3
12	1.01	14.3	1.0	2308.03	101.55	50.78	0.15	24.0	924.0	1249.7	700.1
13	1.01	15.7	1.0	2100.9	92.44	46.22	0.15	24.0	832.3	1125.0	685.1
14	1.01	17.1	1.1	1907.64	83.94	41.97	0.15	24.0	713.6	1040.9	676.5
15	1.01	18.6	1.1	1792.26	78.86	39.43	0.15	24.0	555.3	1074.5	685.7
16	1.01	20.0	1.1	1781.43	78.38	39.19	0.15	24.0	380.7	1230.8	713.5
17	1.01	21.5	1.1	1720.05	75.68	37.84	0.0	21.0	177.1	1579.1	200.7
18	3.02	24.5	3.3	3555.76	156.45	78.23	0.0	21.0	0.0	3692.7	469.4
19	2.13	28.3	2.4	788.86	34.71	17.35	0.0	21.0	0.0	838.7	106.6
20	1.2	30.9	1.4	505.62	22.25	11.12	0.0	21.0	0.0	547.7	69.6

xc = 36.299 yc = 46.965 Rc = 42.578 Fs=2.156

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.61	-8.7	0.6	235.26	10.35	5.18	0.0	21.0	50.9	191.7	34.1
2	1.01	-7.6	1.0	2051.09	90.25	45.12	0.0	21.0	357.1	1750.4	311.7
3	1.01	-6.2	1.0	3646.5	160.45	80.22	0.0	21.0	659.3	3064.2	545.6
4	1.01	-4.8	1.0	4182.99	184.05	92.03	0.15	24.0	937.2	3376.2	1400.0
5	1.01	-3.5	1.0	4444.81	195.57	97.79	0.15	24.0	1178.9	3357.0	1394.8
6	1.01	-2.1	1.0	4558.55	200.58	100.29	0.15	24.0	1408.6	3202.9	1362.2
7	1.01	-0.8	1.0	4747.7	208.9	104.45	0.15	24.0	1614.3	3152.1	1351.3
8	3.02	1.9	3.0	14885.06	654.94	327.47	0.15	24.0	5825.4	8931.8	3946.4
9	5.03	7.4	5.1	24641.1	1084.21	542.1	0.15	24.0	11601.8	12360.5	6082.9

10	1.01	11.5	1.05	511.74	242.52	121.26	0.15	24.0	2344.0	2962.9	1326.4
11	2.01	13.6	2.11	1618.04	511.19	255.6	0.15	24.0	4541.2	6603.2	2804.3
12	1.1	15.7	1.16	378.81	280.67	140.33	0.15	24.0	2338.2	3755.2	1571.4
13	0.91	17.1	1.05	174.85	227.69	113.85	0.15	24.0	1828.6	3099.6	1304.0
14	1.01	18.5	1.15	831.16	256.57	128.29	0.15	24.0	1876.3	3669.7	1496.2
15	1.01	19.9	1.16	307.48	277.53	138.76	0.15	24.0	1715.6	4292.9	1631.4
16	1.01	21.4	1.16	608.11	290.76	145.38	0.15	24.0	1561.9	4741.4	1731.2
17	1.01	22.8	1.16	275.34	276.11	138.06	0.15	24.0	1366.5	4605.8	1711.0
18	1.01	24.3	1.15	716.99	251.55	125.77	0.15	24.0	1152.6	4263.6	1648.9
19	1.01	25.8	1.15	042.68	221.88	110.94	0.15	24.0	907.1	3834.7	1569.8
20	5.6	31.0	6.51	2485.14	549.35	274.67	0.0	21.0	0.0	13154.4	2342.5

xc = 39.307 yc = 45.373 Rc = 41.116 Fs=3.146

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	-12.1	1.01	284.24	56.51	28.25	0.0	21.0	0.0	1348.5	164.5
2	1.01	-10.7	1.03	029.48	133.3	66.65	0.0	21.0	325.8	2816.0	343.6
3	1.01	-9.2	1.03	702.65	162.92	81.46	0.0	21.0	683.5	3120.9	380.8
4	1.01	-7.8	1.04	111.19	180.89	90.45	0.15	24.0	1003.3	3267.2	946.6
5	1.01	-6.4	1.04	370.74	192.31	96.16	0.15	24.0	1309.7	3185.2	933.5
6	1.01	-5.0	1.04	703.29	206.94	103.47	0.15	24.0	1590.9	3206.2	935.3
7	3.02	-2.2	3.01	5593.65	686.12	343.06	0.15	24.0	6198.4	9509.0	2785.8
8	6.04	4.1	6.13	4737.93	1528.47	764.23	0.15	24.0	16687.8	17707.8	5391.6
9	2.01	9.8	2.01	4373.41	632.43	316.22	0.15	24.0	5991.4	8139.3	2125.4
10	1.03	11.9	1.07	578.18	333.44	166.72	1.4	27.0	0.0	6536.6	5722.8
11	0.99	13.4	1.07	283.54	320.48	160.24	1.4	27.0	0.0	6176.4	5513.6
12	1.01	14.8	1.07	680.43	337.94	168.97	1.4	27.0	0.0	6445.0	5674.6
13	1.01	16.3	1.08	289.66	364.75	182.37	0.15	24.0	2758.8	5392.9	1262.8
14	1.01	17.7	1.18	727.87	384.03	192.01	0.15	24.0	2677.6	5922.9	1341.8
15	1.01	19.2	1.1	8534.5	375.52	187.76	0.15	24.0	2555.6	5865.1	1337.9
16	1.01	20.7	1.18	117.76	357.18	178.59	0.15	24.0	2416.2	5601.6	1305.5
17	1.01	22.2	1.17	587.61	333.85	166.93	0.15	24.0	2246.5	5253.8	1261.6
18	1.01	23.7	1.17	007.48	308.33	154.16	0.15	24.0	2033.7	4898.0	1217.1
19	1.01	25.3	1.16	338.09	278.88	139.44	0.15	24.0	1800.5	4468.7	1162.8
20	9.07	33.6	10.92	5036.06	1101.59	550.79	0.15	24.0	672.3	23589.2	8529.8

xc = 42.314 yc = 46.965 Rc = 42.823 Fs=5.827

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.58	-15.5	0.6	464.6	20.44	10.22	0.0	21.0	0.0	491.0	32.3
2	1.01	-14.4	1.0	2078.84	91.47	45.73	0.0	21.0	0.0	2182.7	143.8
3	1.01	-13.0	1.0	2878.58	126.66	63.33	0.0	21.0	238.0	2751.5	181.3
4	1.01	-11.6	1.0	3398.09	149.52	74.76	0.0	21.0	626.4	2868.2	188.9
5	1.01	-10.2	1.0	3784.95	166.54	83.27	0.15	24.0	1001.4	2916.1	486.0
6	1.01	-8.9	1.0	4248.49	186.93	93.47	0.15	24.0	1351.5	3008.6	492.0
7	3.02	-6.1	3.0	15022.76	661.0	330.5	0.15	24.0	5897.9	9338.6	1495.0
8	8.05	1.3	8.1	53219.57	2341.66	1170.83	0.15	24.0	25394.5	27738.4	4191.9
9	2.01	8.0	2.0	17675.88	777.74	388.87	1.4	27.0	0.0	16952.8	6365.0
10	2.01	10.8	2.0	19499.06	857.96	428.98	1.4	27.0	0.0	18603.5	6548.0
11	2.01	13.5	2.1	22051.57	970.27	485.13	1.4	27.0	0.0	21042.1	6812.4
12	2.01	16.3	2.1	21202.43	932.91	466.45	1.4	27.0	0.0	20103.2	6795.1
13	2.01	19.1	2.1	19671.71	865.56	432.78	1.4	27.0	0.0	18485.8	6733.8
14	2.01	22.0	2.2	17295.03	760.98	380.49	1.4	27.0	0.0	15981.8	6612.2
15	2.01	24.9	2.2	15345.88	675.22	337.61	1.4	27.0	0.0	13880.0	6545.9
16	2.01	28.0	2.3	13439.96	591.36	295.68	1.4	27.0	0.0	11764.6	6502.2
17	2.01	31.1	2.3	13429.85	590.91	295.46	1.4	27.0	0.0	11664.3	6663.4
18	2.01	34.3	2.4	10934.89	481.14	240.57	0.15	24.0	1056.5	10954.5	1463.7
19	1.52	37.2	1.9	5060.79	222.67	111.34	0.15	24.0	0.0	5650.8	922.6
20	2.02	40.2	2.6	2776.45	122.16	61.08	0.0	21.0	0.0	3443.4	226.8

xc = 45.322 yc = 45.373 Rc = 41.361 Fs=7.337

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.97	-19.2	1.0	511.71	22.52	11.26	0.0	21.0	0.0	552.0	28.9
2	1.01	-17.8	1.1	1482.43	65.23	32.61	0.0	21.0	0.0	1583.2	82.8
3	1.01	-16.3	1.0	2168.09	95.4	47.7	0.0	21.0	0.0	2294.1	120.0
4	1.01	-14.9	1.0	2699.82	118.79	59.4	0.0	21.0	423.8	2387.9	124.9
5	1.01	-13.4	1.0	3312.42	145.75	72.87	0.15	24.0	858.8	2610.8	369.9
6	3.02	-10.6	3.1	13147.93	578.51	289.25	0.15	24.0	4911.2	8594.0	1149.3
7	8.05	-2.9	8.1	54700.86	2406.84	1203.42	1.4	27.0	0.0	55732.0	19249.7
8	2.01	4.1	2.0	19723.62	867.84	433.92	1.4	27.0	0.0	19400.0	5197.3
9	2.01	6.9	2.0	22187.0	976.23	488.11	1.4	27.0	0.0	21697.1	5375.1
10	2.01	9.7	2.0	25378.14	1116.64	558.32	1.4	27.0	0.0	24784.9	5617.5
11	2.01	12.6	2.1	25170.42	1107.5	553.75	1.4	27.0	0.0	24531.3	5638.2
12	2.01	15.5	2.1	24288.75	1068.71	534.35	1.4	27.0	0.0	23644.6	5626.3
13	2.01	18.4	2.1	22574.05	993.26	496.63	1.4	27.0	0.0	21936.8	5569.9
14	3.02	22.1	3.3	31911.43	1404.1	702.05	1.4	27.0	0.0	31042.4	8372.8
15	2.01	25.9	2.2	21576.22	949.35	474.68	1.4	27.0	0.0	21198.4	5741.4
16	2.01	29.1	2.3	19382.69	852.84	426.42	1.4	27.0	0.0	18999.6	5712.3
17	1.49	31.9	1.8	12856.79	565.7	282.85	1.4	27.0	0.0	12517.4	4216.3

18	1.53	34.4	1.91	0406.72	457.9	228.95	1.4	27.0	0.0	9728.3	4209.9
19	1.01	36.5	1.35	544.42	243.95	121.98	1.4	27.0	0.0	4879.1	2727.7
20	3.94	41.0	5.27	799.84	343.19	171.6	0.15	24.0	0.0	8936.0	1608.6

xc = 48.33 yc = 46.965 Rc = 42.409 Fs=6.23

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.62	-18.5	0.7	132.07	5.81	2.91	0.0	21.0	0.0	142.1	8.8
2	1.01	-17.3	1.1	822.02	36.17	18.08	0.0	21.0	0.0	877.8	54.1
3	3.02	-14.5	3.16	362.06	279.93	139.97	0.0	21.0	1327.0	5284.4	325.6
4	4.02	-9.6	4.11	5980.39	703.14	351.57	0.15	24.0	7286.8	9094.1	1632.7
5	2.01	-5.5	2.01	2118.02	533.19	266.6	0.15	24.0	5503.8	6737.8	968.3
6	2.13	-2.7	2.11	6493.81	725.73	362.86	1.4	27.0	0.0	16801.1	6160.7
7	1.9	0.0	1.91	6783.61	738.48	369.24	1.4	27.0	0.0	16780.3	5635.3
8	1.01	2.0	1.01	0084.89	443.74	221.87	1.4	27.0	0.0	9983.8	3078.9
9	1.01	3.4	1.01	1217.37	493.56	246.78	1.4	27.0	0.0	11050.8	3168.7
10	1.01	4.7	1.01	2194.58	536.56	268.28	1.4	27.0	0.0	11968.0	3247.5
11	1.01	6.1	1.01	2549.49	552.18	276.09	1.4	27.0	0.0	12271.2	3277.5
12	1.01	7.5	1.01	2680.78	557.95	278.98	1.4	27.0	0.0	12358.3	3291.0
13	1.01	8.8	1.01	2699.45	558.78	279.39	1.4	27.0	0.0	12339.6	3297.3
14	1.01	10.2	1.01	2670.2	557.49	278.74	1.4	27.0	0.0	12279.5	3301.7
15	3.02	13.0	3.13	6981.1	1627.17	813.58	1.4	27.0	0.0	35673.5	9878.8
16	10.06	22.5	10.91	26309.1	5557.6	2778.8	1.4	27.0	0.0	122422.5	34478.2
17	2.28	31.6	2.71	9932.3	877.02	438.51	1.4	27.0	0.0	18760.7	7549.3
18	1.9	35.0	2.31	1304.45	497.4	248.7	1.4	27.0	0.0	9593.1	6008.7
19	1.56	37.9	2.07	226.41	317.96	158.98	1.4	27.0	0.0	5363.0	4874.5
20	2.14	41.2	2.85	922.94	260.61	130.3	0.15	24.0	0.0	6843.6	1172.1

xc = 51.337 yc = 45.373 Rc = 40.468 Fs=5.811

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.89	-18.1	0.9	272.26	11.98	5.99	0.0	21.0	0.0	292.7	19.3
2	1.01	-16.6	1.1	901.43	39.66	19.83	0.0	21.0	97.8	855.7	56.5
3	1.01	-15.2	1.01	605.49	70.64	35.32	0.15	24.0	554.3	1186.7	360.0
4	1.01	-13.7	1.02	409.46	106.02	53.01	0.15	24.0	994.7	1550.3	386.1
5	1.01	-12.2	1.03	226.44	141.96	70.98	0.15	24.0	1407.7	1951.0	415.2
6	1.01	-10.8	1.04	122.45	181.39	90.69	0.15	24.0	1781.7	2469.2	453.5

7	1.01	-9.3	1.05	126.24	225.55	112.78	0.15	24.0	2141.13	107.5	501.3
8	1.01	-7.9	1.06	080.25	267.53	133.77	0.15	24.0	2474.43	716.1	546.9
9	3.02	-5.0	3.02	2886.77	1007.02	503.51	1.4	27.0	0.0	2380	0.9 9386.8
10	10.06	4.3	10.11	25596.2	5526.23	2763.12	1.4	27.0	0.0	12331	9.2 35119.9
11	2.01	12.9	2.12	5564.28	1124.83	562.41	1.4	27.0	0.0	2459	3.2 7129.8
12	2.01	15.8	2.12	5904.39	1139.79	569.9	1.4	27.0	0.0	2487	8.2 7220.7
13	2.01	18.8	2.12	8255.6	1243.25	621.62	1.4	27.0	0.0	2729	0.7 7514.9
14	2.01	21.9	2.22	7933.25	1229.06	614.53	1.4	27.0	0.0	2705	0.8 7595.7
15	2.01	25.0	2.22	5132.26	1105.82	552.91	1.4	27.0	0.0	2424	3.9 7473.9
16	2.28	28.4	2.62	5632.28	1127.82	563.91	1.4	27.0	0.0	2459	7.9 8396.7
17	1.9	31.8	2.21	6780.89	738.36	369.18	1.4	27.0	0.0	1555	3.2 6760.7
18	1.48	34.7	1.81	1673.31	513.63	256.81	1.4	27.0	0.0	1055	9.7 5253.4
19	2.04	37.8	2.61	2049.59	530.18	265.09	1.4	27.0	0.0	976	1.4 7075.0
20	2.04	41.5	2.72	3025.22	1013.11	506.55	0.15	24.0	0.0	2821	6.1 2865.3

xc = 54.345 yc = 46.965 Rc = 41.474 Fs=5.313

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	-17.1	0.3	29.46	1.3	0.65	0.0	21.0	0.0	31.5	2.3
2	1.01	-16.2	1.0	726.39	31.96	15.98	0.0	21.0	83.2	684.2	49.4
3	1.01	-14.8	1.01	747.68	76.9	38.45	0.15	24.0	531.8	1365.1	408.2
4	1.01	-13.3	1.0	2892.0	127.25	63.62	0.15	24.0	965.2	2091.0	467.1
5	1.01	-11.9	1.03	985.66	175.37	87.68	0.15	24.0	1372.0	2781.7	523.4
6	3.02	-9.1	3.11	7318.76	762.03	381.01	0.15	24.0	6285.6	11465.6	1823.8
7	7.04	-2.1	7.07	6126.02	3349.55	1674.77	1.4	27.0	0.0	7133.7	25967.4
8	1.62	3.9	1.61	9853.28	873.54	436.77	1.4	27.0	0.0	9480.5	6157.1
9	1.39	6.0	1.41	7101.38	752.46	376.23	1.4	27.0	0.0	6640.6	5290.2
10	1.01	7.7	1.01	2600.45	554.42	277.21	1.4	27.0	0.0	2197.1	3844.6
11	1.01	9.1	1.01	3042.23	573.86	286.93	1.4	27.0	0.0	2586.5	3891.6
12	1.01	10.5	1.01	3323.13	586.22	293.11	1.4	27.0	0.0	2823.3	3925.7
13	1.01	11.9	1.01	4010.28	616.45	308.23	1.4	27.0	0.0	3475.1	4001.4
14	1.01	13.3	1.01	4804.62	651.4	325.7	1.4	27.0	0.0	4245.6	4090.4
15	1.01	14.7	1.01	4885.09	654.94	327.47	1.4	27.0	0.0	4309.4	4113.6
16	1.01	16.2	1.01	5023.8	661.05	330.52	1.4	27.0	0.0	4440.7	4145.4
17	3.02	19.1	3.24	3789.47	1926.74	963.37	1.4	27.0	0.0	4230.6	12448.2
18	8.51	28.0	9.61	10555.4	4864.44	2432.22	1.4	27.0	0.0	10686.9	35590.2
19	2.0	36.4	2.53	0204.11	1328.98	664.49	1.4	27.0	0.0	3544.3	9464.1
20	2.0	39.9	2.62	2371.35	984.34	492.17	1.4	27.0	0.0	2687.6	8937.1

xc = 63.368 yc = 45.373 Rc = 38.799 Fs=5.481

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.34	-21.5	0.4	86.69	3.81	1.91	0.0	21.0	0.0	95.8	6.7
2	1.01	-20.5	1.1	1207.59	53.13	26.57	0.0	21.0	0.0	1323.5	92.7
3	1.01	-18.9	1.1	3012.58	132.55	66.28	0.0	21.0	0.0	3262.1	228.5
4	1.01	-17.3	1.1	4663.39	205.19	102.59	0.15	24.0	538.4	4525.6	656.1
5	1.01	-15.8	1.0	5683.35	250.07	125.03	0.15	24.0	1055.0	5005.0	692.7
6	1.01	-14.2	1.0	6479.85	285.11	142.56	0.15	24.0	1554.1	5262.1	711.6
7	1.01	-12.7	1.0	7165.67	315.29	157.64	0.15	24.0	2024.4	5433.4	723.7
8	1.01	-11.2	1.0	7846.37	345.24	172.62	1.4	27.0	0.0	8675.8	3426.5
9	3.02	-8.2	3.0	27757.58	1221.33	610.67	1.4	27.0	0.0	29556.3	10537.6
10	12.34	3.2	12.4	193721.1	8523.73	4261.86	1.4	27.0	0.0	191235.3	49352.4
11	1.9	13.9	2.0	31117.07	1369.15	684.58	1.4	27.0	0.0	30123.4	7809.6
12	1.81	16.7	1.9	30509.29	1342.41	671.2	1.4	27.0	0.0	29581.6	7570.1
13	2.2	19.8	2.3	40761.13	1793.49	896.74	1.4	27.0	0.0	39836.0	9688.6
14	2.2	23.3	2.4	52689.55	2318.34	1159.17	1.4	27.0	0.0	52625.5	11024.2
15	2.2	26.9	2.5	47895.3	2107.39	1053.7	1.4	27.0	0.0	48233.3	10799.2
16	2.2	30.6	2.6	42396.72	1865.46	932.73	1.4	27.0	0.0	43030.6	10544.7
17	1.21	33.6	1.4	21333.23	938.66	469.33	1.4	27.0	0.0	21805.8	5730.5
18	0.08	34.7	0.1	1065.03	46.86	23.43	1.4	27.0	0.0	1046.6	359.8
19	1.01	35.7	1.2	11864.7	522.05	261.02	1.4	27.0	0.0	11565.1	4241.8
20	6.52	43.3	9.0	35094.52	1544.16	772.08	1.4	27.0	0.0	24518.6	25153.9

xc = 69.383 yc = 45.373 Rc = 31.093 Fs=2.832

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.07	-5.6	0.1	2.34	0.1	0.05	0.0	21.0	0.0	2.4	0.3
2	1.01	-4.6	1.0	292.33	12.86	6.43	0.0	21.0	0.0	296.5	40.2
3	0.91	-2.8	0.9	494.65	21.76	10.88	0.0	21.0	0.0	498.5	67.6
4	0.66	-1.3	0.7	468.48	20.61	10.31	0.0	21.0	0.0	470.1	63.7
5	0.44	-0.3	0.4	435.02	19.14	9.57	0.0	21.0	0.0	435.4	59.0
6	1.01	1.0	1.0	1306.16	57.47	28.74	0.0	21.0	0.0	1303.3	176.7
7	0.54	2.4	0.5	803.06	35.33	17.67	0.15	24.0	0.0	786.4	408.5
8	0.74	3.6	0.7	1098.14	48.32	24.16	0.15	24.0	0.0	1065.2	557.9
9	0.59	4.8	0.6	845.29	37.19	18.6	0.15	24.0	0.0	811.2	439.6
10	0.63	6.0	0.6	848.35	37.33	18.66	0.15	24.0	0.0	804.5	464.1
11	0.68	7.2	0.7	1272.7	56.0	28.0	0.15	24.0	0.0	1212.8	555.3
12	0.82	8.6	0.8	1955.71	86.05	43.03	0.15	24.0	0.0	1867.6	731.2
13	0.51	9.8	0.5	1210.96	53.28	26.64	0.15	24.0	0.0	1150.1	455.9
14	0.66	10.9	0.7	1438.88	63.31	31.66	0.15	24.0	0.0	1355.5	569.9

15	0.66	12.2	0.7	1274.54	56.08	28.04	0.15	24.0	0.0	1186.4	544.9
16	0.66	13.4	0.7	1087.2	47.84	23.92	0.15	24.0	0.0	994.6	516.5
17	0.66	14.7	0.7	6704.66	295.0	147.5	0.15	24.0	0.0	6565.5	1394.4
18	0.66	15.9	0.7	7266.37	319.72	159.86	0.15	24.0	0.0	7132.4	1485.8
19	0.66	17.2	0.7	7020.0	308.88	154.44	0.15	24.0	0.0	6899.3	1451.5
20	0.66	18.5	0.7	5753.39	253.15	126.57	0.15	24.0	0.0	5646.0	1257.1

xc = 75.399 yc = 45.373 Rc = 30.212 Fs=3.652

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.59	-4.0	0.6	358.0	15.75	7.88	0.15	24.0	0.0	378.8	287.9
2	0.36	-3.1	0.4	449.19	19.76	9.88	0.15	24.0	0.0	460.6	202.3
3	0.46	-2.3	0.5	628.73	27.66	13.83	0.15	24.0	0.0	639.9	267.6
4	0.27	-1.6	0.3	398.31	17.53	8.76	0.15	24.0	0.0	402.9	159.6
5	0.68	-0.7	0.7	1069.17	47.04	23.52	0.15	24.0	0.0	1074.2	411.8
6	0.47	0.4	0.5	741.33	32.62	16.31	0.15	24.0	0.0	739.3	283.7
7	0.47	1.3	0.5	737.2	32.44	16.22	0.15	24.0	0.0	731.0	282.7
8	0.47	2.2	0.5	724.63	31.88	15.94	0.15	24.0	0.0	714.4	280.8
9	0.47	3.1	0.5	3343.48	147.11	73.56	0.15	24.0	0.0	3316.1	598.1
10	0.47	4.0	0.5	5392.91	237.29	118.64	0.15	24.0	0.0	5347.0	845.9
11	0.47	4.9	0.5	5360.41	235.86	117.93	0.15	24.0	0.0	5308.1	841.4
12	0.47	5.8	0.5	5321.42	234.14	117.07	0.15	24.0	0.0	5264.0	836.3
13	0.47	6.7	0.5	5275.67	232.13	116.06	0.15	24.0	0.0	5214.5	830.6
14	0.47	7.6	0.5	5223.2	229.82	114.91	0.15	24.0	0.0	5159.6	824.3
15	0.47	8.5	0.5	5163.11	227.18	113.59	0.15	24.0	0.0	5098.3	817.2
16	0.47	9.4	0.5	5095.87	224.22	112.11	0.15	24.0	0.0	5031.2	809.5
17	0.47	10.3	0.5	5021.7	220.95	110.48	0.15	24.0	0.0	4958.3	801.2
18	0.47	11.2	0.5	4940.78	217.39	108.7	0.15	24.0	0.0	4879.9	792.2
19	0.47	12.1	0.5	4853.33	213.55	106.77	0.0	21.0	0.0	4854.4	510.2
20	0.47	13.0	0.5	3761.66	165.51	82.76	0.0	21.0	0.0	3769.4	396.2

xc = 30.284 yc = 50.148 Rc = 45.502 Fs=2.733

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.55	-1.7	0.5	14.33	0.63	0.32	0.0	21.0	0.0	14.4	2.0
2	1.01	-0.8	1.0	613.27	26.98	13.49	0.0	21.0	260.5	353.4	49.6
3	1.01	0.5	1.0	2256.3	99.28	49.64	0.0	21.0	468.0	1786.2	250.9

4	1.01	1.8	1.0	3588.01	157.87	78.94	0.0	21.0	627.7	2948.9	414.3
5	1.01	3.0	1.0	3855.77	169.65	84.83	0.15	24.0	765.0	3039.4	1048.3
6	1.01	4.3	1.0	3853.67	169.56	84.78	0.15	24.0	867.8	2916.7	1029.1
7	1.01	5.6	1.0	3706.29	163.08	81.54	0.15	24.0	960.0	2662.6	988.8
8	1.01	6.9	1.0	3636.73	160.02	80.01	0.15	24.0	1029.5	2509.8	965.3
9	1.01	8.1	1.0	3560.95	156.68	78.34	0.15	24.0	1076.2	2374.9	944.9
10	2.01	10.1	2.0	6357.52	279.73	139.87	0.15	24.0	2193.5	3916.6	1760.1
11	1.01	12.0	1.0	2715.44	119.48	59.74	0.15	24.0	1064.6	1515.2	811.6
12	1.01	13.3	1.0	2462.43	108.35	54.17	0.15	24.0	1005.3	1312.6	781.4
13	1.01	14.6	1.0	2293.56	100.92	50.46	0.15	24.0	933.7	1205.4	767.2
14	1.01	15.9	1.0	2142.91	94.29	47.14	0.15	24.0	837.4	1140.7	760.2
15	1.01	17.2	1.1	2074.7	91.29	45.64	0.15	24.0	703.9	1195.3	773.1
16	1.01	18.6	1.1	2115.89	93.1	46.55	0.15	24.0	556.8	1373.8	806.5
17	1.01	19.9	1.1	2107.14	92.71	46.36	0.15	24.0	383.3	1530.3	836.8
18	3.02	22.6	3.3	5084.19	223.7	111.85	0.0	21.0	0.0	5204.0	731.0
19	3.26	27.0	3.7	4707.8	207.14	103.57	0.0	21.0	0.0	4931.0	692.7
20	1.26	30.2	1.5	736.16	32.39	16.2	0.0	21.0	0.0	787.5	110.6

xc = 33.291 yc = 48.557 Rc = 44.04 Fs=2.448

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.06	-5.4	0.1	0.28	0.01	0.01	0.0	21.0	0.0	0.3	0.0
2	1.01	-4.7	1.0	586.2	25.79	12.9	0.0	21.0	245.9	345.9	54.2
3	1.01	-3.4	1.0	2357.62	103.74	51.87	0.0	21.0	522.8	1855.3	290.9
4	1.01	-2.1	1.0	3816.74	167.94	83.97	0.15	24.0	751.0	3110.7	1182.6
5	1.01	-0.8	1.0	4218.81	185.63	92.81	0.15	24.0	956.1	3279.3	1212.9
6	1.01	0.5	1.0	4344.24	191.15	95.57	0.15	24.0	1126.0	3207.1	1199.8
7	1.01	1.9	1.0	4323.35	190.23	95.11	0.15	24.0	1284.8	3002.6	1162.9
8	1.01	3.2	1.0	4379.4	192.69	96.35	0.15	24.0	1420.4	2900.3	1144.9
9	3.02	5.8	3.0	12992.82	571.68	285.84	0.15	24.0	4829.5	7871.5	3290.5
10	4.02	10.4	4.1	15277.08	672.19	336.1	0.15	24.0	6916.7	7779.0	3922.1
11	2.01	14.4	2.1	7693.87	338.53	169.27	0.15	24.0	3175.3	4144.0	2026.9
12	1.01	16.5	1.0	4098.97	180.35	90.18	0.15	24.0	1431.6	2459.1	1090.1
13	1.12	17.9	1.2	4666.25	205.32	102.66	0.15	24.0	1426.8	2994.9	1266.8
14	1.9	20.0	2.0	6795.61	299.01	149.5	0.15	24.0	1950.2	4414.0	2039.8
15	1.01	22.0	1.1	3643.94	160.33	80.17	0.15	24.0	725.1	2682.2	1152.8
16	2.01	24.2	2.2	8732.81	384.24	192.12	0.15	24.0	755.4	7523.3	2719.7
17	1.01	26.3	1.1	3676.75	161.78	80.89	0.0	21.0	0.0	3807.0	596.9
18	1.11	27.9	1.3	3251.66	143.07	71.54	0.0	21.0	0.0	3396.9	532.6
19	0.9	29.4	1.0	1921.78	84.56	42.28	0.0	21.0	0.0	2026.4	317.7
20	1.91	31.5	2.2	1644.97	72.38	36.19	0.0	21.0	0.0	1760.2	276.0

xc = 36.299 yc = 50.148 Rc = 45.748 Fs=2.144

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.65	-8.1	0.7	259.63	11.42	5.71	0.0	21.0	65.7	201.0	36.0
2	1.01	-7.0	1.02	074.35	91.27	45.64	0.0	21.0	369.6	1756.6	314.5
3	1.01	-5.8	1.03	653.87	160.77	80.39	0.0	21.0	663.3	3061.3	548.2
4	1.01	-4.5	1.04	177.56	183.81	91.91	0.15	24.0	934.4	3364.1	1404.9
5	1.01	-3.2	1.04	429.62	194.9	97.45	0.15	24.0	1170.9	3343.4	1399.5
6	1.01	-2.0	1.04	536.79	199.62	99.81	0.15	24.0	1397.1	3189.0	1366.8
7	1.01	-0.7	1.04	722.54	207.79	103.9	0.15	24.0	1601.0	3139.0	1356.0
8	3.02	1.8	3.01	4817.61	651.97	325.99	0.15	24.0	5789.9	8907.9	3963.2
9	6.04	7.5	6.12	9841.85	1313.04	656.52	0.15	24.0	14110.9	14898.1	7354.8
10	2.01	12.6	2.11	1889.36	523.13	261.57	0.15	24.0	4684.0	6747.1	2844.2
11	1.1	14.6	1.16	604.43	290.59	145.3	0.15	24.0	2454.6	3870.9	1601.8
12	0.91	15.9	0.95	373.11	236.42	118.21	0.15	24.0	1935.0	3197.2	1325.4
13	1.01	17.2	1.16	110.96	268.88	134.44	0.15	24.0	2023.6	3806.1	1527.4
14	1.01	18.5	1.16	638.74	292.1	146.05	0.15	24.0	1889.9	4450.0	1666.6
15	1.01	19.8	1.16	995.94	307.82	153.91	0.15	24.0	1766.0	4921.1	1770.5
16	1.01	21.2	1.16	725.22	295.91	147.95	0.15	24.0	1603.3	4813.1	1754.6
17	1.01	22.5	1.16	234.81	274.33	137.17	0.15	24.0	1425.2	4502.9	1697.4
18	1.01	23.9	1.15	634.82	247.93	123.97	0.15	24.0	1218.7	4110.7	1623.8
19	1.01	25.3	1.14	988.79	219.51	109.75	0.15	24.0	971.2	3711.4	1549.5
20	7.48	31.5	8.81	2085.5	531.76	265.88	0.0	21.0	0.01	2771.8	2286.9

xc = 39.307 yc = 48.557 Rc = 44.286 Fs=4.328

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-11.2	1.11	382.61	60.83	30.42	0.0	21.0	0.0	1434.9	127.3
2	1.01	-9.9	1.03	100.68	136.43	68.21	0.0	21.0	364.3	2821.4	250.3
3	1.01	-8.6	1.03	749.66	164.98	82.49	0.0	21.0	708.9	3116.9	276.5
4	1.01	-7.3	1.04	138.37	182.09	91.04	0.15	24.0	1017.6	3233.2	684.2
5	1.01	-6.0	1.04	380.49	192.74	96.37	0.15	24.0	1314.9	3152.6	675.0
6	1.01	-4.6	1.04	699.14	206.76	103.38	0.15	24.0	1588.7	3175.7	676.6
7	3.02	-2.0	3.01	5529.02	683.28	341.64	0.15	24.0	6164.4	9442.5	2018.4
8	6.04	3.8	6.13	4671.24	1525.53	762.77	0.15	24.0	16652.7	17795.8	3928.1
9	2.01	9.1	2.01	4487.43	637.45	318.72	0.15	24.0	6051.4	8293.8	1559.6
10	2.01	11.7	2.11	4751.72	649.08	324.54	1.4	27.0	0.01	3360.6	8221.7
11	2.01	14.4	2.11	5957.31	702.12	351.06	1.4	27.0	0.01	4317.3	8406.6

12	2.01	17.1	2.11	7888.09	787.08	393.54	1.4	27.0	0.01	6039.4	8699.5
13	2.01	19.8	2.11	6408.72	721.98	360.99	1.4	27.0	0.01	4337.8	8609.1
14	2.01	22.6	2.21	4326.13	630.35	315.17	0.15	24.0	4406.3	10003.5	1784.9
15	1.0	24.8	1.1	6148.94	270.55	135.28	0.15	24.0	1859.6	4341.8	827.7
16	1.01	26.2	1.1	5460.54	240.26	120.13	0.15	24.0	1620.6	3890.0	792.0
17	1.01	27.7	1.1	4826.49	212.37	106.18	0.15	24.0	1319.4	3561.3	760.2
18	1.01	29.1	1.2	4416.94	194.35	97.17	0.15	24.0	987.8	3502.6	759.7
19	1.01	30.6	1.2	3839.51	168.94	84.47	0.15	24.0	633.7	3285.8	743.4
20	5.36	35.7	6.61	3840.63	608.99	304.49	0.15	24.0	0.01	4336.5	3764.1

xc = 54.345 yc = 50.148 Rc = 44.422 Fs=5.401

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-15.1	1.1	499.3	21.97	10.98	0.0	21.0	0.0	527.4	37.5
2	1.01	-13.8	1.01	476.37	64.96	32.48	0.15	24.0	389.0	1214.6	387.9
3	1.01	-12.4	1.02	586.92	113.82	56.91	0.15	24.0	804.7	1923.2	444.7
4	1.01	-11.1	1.03	650.69	160.63	80.32	0.15	24.0	1195.7	2600.0	499.1
5	3.02	-8.5	3.11	6167.4	711.37	355.68	0.15	24.0	5679.6	10864.0	1743.2
6	6.04	-2.6	6.05	9971.65	2638.75	1319.38	1.4	27.0	0.06	1013.4	21421.5
7	2.01	2.6	2.02	3069.94	1015.08	507.54	1.4	27.0	0.02	2761.0	7369.0
8	2.01	5.2	2.02	3555.57	1036.45	518.22	1.4	27.0	0.02	2980.3	7405.8
9	2.01	7.8	2.02	4591.15	1082.01	541.01	1.4	27.0	0.02	3792.2	7509.6
10	2.01	10.4	2.02	5823.74	1136.25	568.12	1.4	27.0	0.02	4849.8	7648.3
11	2.01	13.1	2.12	9144.33	1282.35	641.18	1.4	27.0	0.02	8061.3	8002.6
12	2.01	15.8	2.12	9881.31	1314.78	657.39	1.4	27.0	0.02	8753.3	8132.8
13	2.01	18.5	2.12	8246.14	1242.83	621.42	1.4	27.0	0.02	7089.6	8055.6
14	1.17	20.7	1.31	6053.15	706.34	353.17	1.4	27.0	0.01	5386.4	4694.1
15	1.11	22.2	1.21	4480.44	637.14	318.57	1.4	27.0	0.01	3841.1	4409.4
16	1.22	23.9	1.31	4792.05	650.85	325.43	1.4	27.0	0.01	4057.2	4787.0
17	0.68	25.2	0.88	121.95	357.37	178.68	1.4	27.0	0.0	7713.3	2684.3
18	0.82	26.3	0.99	694.83	426.57	213.29	1.4	27.0	0.0	9217.3	3230.6
19	0.27	27.1	0.33	071.65	135.15	67.58	1.4	27.0	0.0	2909.3	1057.0
20	8.06	33.5	9.71	07917.3	4748.36	2374.18	1.4	27.0	0.01	06211.0	35064.4

xc = 60.36 yc = 50.148 Rc = 43.487 Fs=5.233

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.53	-17.9	0.6	190.77	8.39	4.2	0.0	21.0	0.0	205.3	15.1
2	2.01	-16.1	2.12	581.28	113.58	56.79	0.0	21.0	0.0	2744.9	201.3
3	1.01	-14.0	1.03	203.39	140.95	70.47	0.15	24.0	493.3	2930.4	546.6
4	1.01	-12.7	1.04	807.03	211.51	105.75	0.15	24.0	925.9	4123.7	646.5
5	1.01	-11.3	1.06	241.77	274.64	137.32	0.15	24.0	1369.1	5115.6	729.4
6	1.01	-10.0	1.07	052.21	310.3	155.15	0.15	24.0	1775.4	5491.6	760.0
7	1.01	-8.6	1.07	648.56	336.54	168.27	0.15	24.0	2169.2	5659.6	773.2
8	1.01	-7.3	1.08	175.83	359.74	179.87	1.4	27.0	0.0	8698.6	3560.7
9	1.01	-6.0	1.08	807.55	387.53	193.77	1.4	27.0	0.0	9232.0	3605.3
10	3.02	-3.3	3.02	9391.04	1293.21	646.6	1.4	27.0	0.03	0076.0	11017.1
11	12.34	6.9	12.41	84225.7	8105.93	4052.97	1.4	27.0	0.01	79428.7	50725.1
12	2.72	17.0	2.83	9983.31	1759.27	879.63	1.4	27.0	0.03	8342.1	11343.5
13	1.65	20.0	1.82	4082.43	1059.63	529.81	1.4	27.0	0.02	3096.6	6957.2
14	2.26	22.8	2.44	2719.93	1879.68	939.84	1.4	27.0	0.04	1876.2	10621.4
15	2.26	26.1	2.54	7121.48	2073.35	1036.67	1.4	27.0	0.04	6936.6	11285.9
16	2.26	29.4	2.64	1426.72	1822.78	911.39	1.4	27.0	0.04	1383.2	10955.7
17	2.6	33.2	3.14	0709.35	1791.21	895.61	1.4	27.0	0.04	0626.1	12254.4
18	2.1	36.9	2.61	7501.34	770.06	385.03	1.4	27.0	0.01	5485.8	8526.9
19	2.07	40.5	2.7	9910.8	436.08	218.04	1.4	27.0	0.0	6288.7	7898.6
20	2.26	44.3	3.23	667.19	161.36	80.68	0.15	24.0	0.0	3918.7	1237.2

xc = 63.368 yc = 48.557 Rc = 41.546 Fs=5.303

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.04	-19.1	1.1	717.56	31.57	15.79	0.0	21.0	0.0	778.8	56.4
2	1.01	-17.6	1.12	472.02	108.77	54.38	0.0	21.0	0.0	2654.2	192.1
3	1.01	-16.1	1.04	062.64	178.76	89.38	0.15	24.0	222.2	4185.6	647.7
4	1.01	-14.7	1.05	041.83	221.84	110.92	0.15	24.0	717.3	4650.6	684.7
5	1.01	-13.3	1.05	802.03	255.29	127.64	0.15	24.0	1197.4	4897.0	703.6
6	1.01	-11.9	1.06	455.82	284.06	142.03	0.15	24.0	1650.8	5059.8	715.6
7	1.01	-10.4	1.07	069.22	311.05	155.52	0.15	24.0	2066.1	5221.3	727.8
8	3.02	-7.6	3.02	4916.26	1096.32	548.16	1.4	27.0	0.02	6557.8	10592.5
9	10.06	1.4	10.11	42373.2	6264.42	3132.21	1.4	27.0	0.01	41416.4	40161.3
10	2.28	10.0	2.33	6781.32	1618.38	809.19	1.4	27.0	0.03	5668.4	9536.1
11	2.72	13.5	2.84	2488.29	1869.48	934.74	1.4	27.0	0.04	0976.8	11324.2
12	1.61	16.6	1.72	5506.96	1122.31	561.15	1.4	27.0	0.02	4588.3	6802.5
13	2.23	19.4	2.44	5282.71	1992.44	996.22	1.4	27.0	0.04	4309.2	10501.1
14	2.23	22.7	2.45	1007.08	2244.31	1122.16	1.4	27.0	0.05	0583.8	11243.9
15	2.23	26.1	2.54	6269.68	2035.87	1017.93	1.4	27.0	0.04	6132.9	10989.2
16	2.71	29.9	3.14	9907.03	2195.91	1097.96	1.4	27.0	0.05	0063.5	13070.3
17	2.1	33.8	2.52	3999.1	1055.96	527.98	1.4	27.0	0.02	2946.6	8869.3
18	2.01	37.3	2.51	6771.82	737.96	368.98	1.4	27.0	0.01	4904.8	8112.8
19	2.1	41.0	2.81	0890.63	479.19	239.59	1.4	27.0	0.0	7417.9	8067.2

20	2.23	45.1	3.24	929.79	216.91	108.46	0.0	21.0	0.0	6509.6	471.2

xc = 66.376 yc = 50.148 Rc = 42.553 Fs=5.736

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.29	-20.9	0.3	97.78	4.3	2.15	0.0	21.0	0.0	107.4	7.2
2	1.01	-20.0	1.1	1234.35	54.31	27.16	0.0	21.0	0.0	1346.4	90.1
3	1.01	-18.6	1.1	2327.21	102.4	51.2	0.0	21.0	0.0	2511.5	168.1
4	1.01	-17.1	1.1	3200.55	140.82	70.41	0.0	21.0	0.0	3420.1	228.9
5	1.01	-15.7	1.0	3981.84	175.2	87.6	0.15	24.0	348.7	3937.7	579.0
6	1.01	-14.3	1.0	4732.95	208.25	104.12	0.15	24.0	836.5	4173.7	595.5
7	3.02	-11.6	3.1	17928.07	788.84	394.42	0.15	24.0	5272.7	13293.1	1837.5
8	10.06	-2.7	10.1	128059.9	5634.64	2817.32	1.4	27.0	0.012	9895.4	36122.7
9	2.28	5.7	2.3	35923.58	1580.64	790.32	1.4	27.0	0.03	5236.1	8718.9
10	2.72	9.1	2.8	42697.02	1878.67	939.33	1.4	27.0	0.04	1576.1	10416.6
11	1.71	12.1	1.7	27799.99	1223.2	611.6	1.4	27.0	0.02	7005.1	6655.7
12	2.28	14.8	2.4	49362.02	2171.93	1085.96	1.4	27.0	0.04	8399.4	10062.5
13	2.28	18.0	2.4	55028.02	2421.23	1210.62	1.4	27.0	0.05	4392.3	10690.8
14	2.28	21.3	2.5	51208.46	2253.17	1126.59	1.4	27.0	0.05	0872.2	10498.9
15	2.46	24.8	2.7	51270.16	2255.89	1127.94	1.4	27.0	0.05	1312.7	11176.6
16	2.1	28.2	2.4	30785.64	1354.57	677.28	1.4	27.0	0.03	0365.2	8523.3
17	2.01	31.4	2.4	24467.82	1076.58	538.29	1.4	27.0	0.02	3871.7	7857.2
18	1.01	33.8	1.2	10538.14	463.68	231.84	1.4	27.0	0.01	0102.8	3853.1
19	1.01	35.5	1.2	9334.01	410.7	205.35	1.4	27.0	0.0	8758.0	3792.9
20	5.11	40.8	6.8	23944.99	1053.58	526.79	1.4	27.0	0.01	6153.6	17927.9

xc = 69.383 yc = 48.557 Rc = 41.109 Fs=5.874

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.7	-23.5	0.8	304.16	13.38	6.69	0.0	21.0	0.0	341.4	22.3
2	1.01	-22.2	1.1	1309.12	57.6	28.8	0.0	21.0	0.0	1453.1	95.0
3	1.01	-20.7	1.1	2260.06	99.44	49.72	0.0	21.0	0.0	2477.7	161.9
4	1.01	-19.2	1.1	3164.27	139.23	69.61	0.0	21.0	9.9	3418.8	223.4
5	3.02	-16.3	3.1	14260.3	627.45	313.73	0.15	24.0	3342.3	11873.0	1703.1
6	8.05	-8.4	8.1	91491.84	4025.64	2012.82	1.4	27.0	0.09	6604.2	27775.6
7	2.01	-1.3	2.0	30823.18	1356.22	678.11	1.4	27.0	0.03	1007.2	7487.6
8	2.28	1.6	2.3	37695.07	1658.58	829.29	1.4	27.0	0.03	7460.7	8683.4

9	1.9	4.6	1.93	1666.26	1393.32	696.66	1.4	27.0	0.031	187.2	7257.8
10	2.3	7.5	2.34	1296.88	1817.06	908.53	1.4	27.0	0.040	460.9	9047.0
11	2.33	10.8	2.45	2779.44	2322.3	1161.15	1.4	27.0	0.051	796.5	10142.1
12	2.33	14.1	2.46	1449.07	2703.76	1351.88	1.4	27.0	0.060	601.4	10978.7
13	2.33	17.5	2.45	8408.25	2569.96	1284.98	1.4	27.0	0.057	825.4	10834.1
14	2.54	21.1	2.76	0637.25	2668.04	1334.02	1.4	27.0	0.060	461.1	11745.3
15	2.11	24.6	2.33	8057.56	1674.53	837.27	1.4	27.0	0.037	821.6	8816.8
16	2.0	27.8	2.33	1896.92	1403.46	701.73	1.4	27.0	0.031	768.3	8138.7
17	1.01	30.2	1.21	4633.48	643.87	321.94	1.4	27.0	0.014	579.7	4039.3
18	1.01	31.8	1.21	3638.31	600.09	300.04	1.4	27.0	0.013	569.1	3999.7
19	1.01	33.5	1.21	2708.52	559.17	279.59	1.4	27.0	0.012	611.9	3969.8
20	6.62	40.4	8.74	2400.7	1865.63	932.82	1.4	27.0	0.035	417.3	23806.6

xc = 75.399 yc = 48.557 Rc = 37.903 Fs=7.387

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.7	-19.0	0.7	552.18	24.3	12.15	0.0	21.0	0.0	594.8	30.9
2	1.01	-17.7	1.12	213.18	97.38	48.69	0.0	21.0	0.0	2361.9	122.7
3	1.01	-16.1	1.03	292.45	144.87	72.43	0.15	24.0	0.0	3549.6	426.6
4	1.01	-14.5	1.04	449.53	195.78	97.89	0.15	24.0	119.2	4599.3	488.2
5	3.02	-11.4	3.11	8623.63	819.44	409.72	1.4	27.0	0.020	458.4	7246.8
6	5.0	-5.3	5.04	5505.86	2002.26	1001.13	1.4	27.0	0.046	874.3	12748.0
7	1.53	-0.3	1.51	7478.89	769.07	384.54	1.4	27.0	0.017	501.7	4107.8
8	1.89	2.3	1.93	0394.77	1337.37	668.68	1.4	27.0	0.030	193.2	5676.0
9	1.89	5.1	1.94	0666.48	1789.33	894.66	1.4	27.0	0.040	256.3	6381.8
10	1.89	8.0	1.94	0040.96	1761.8	880.9	1.4	27.0	0.039	541.1	6353.6
11	1.89	10.9	1.93	8982.47	1715.23	857.61	1.4	27.0	0.038	484.0	6311.5
12	1.91	13.9	2.03	8880.18	1710.73	855.36	1.4	27.0	0.038	474.3	6375.0
13	2.1	17.0	2.23	2324.0	1422.26	711.13	1.4	27.0	0.031	859.8	6353.4
14	2.01	20.3	2.12	8348.64	1247.34	623.67	1.4	27.0	0.028	007.3	5998.2
15	2.01	23.6	2.22	5956.21	1142.07	571.04	1.4	27.0	0.025	730.2	5936.1
16	2.01	26.9	2.32	3812.13	1047.73	523.87	1.4	27.0	0.023	706.4	5913.6
17	2.01	30.4	2.31	8772.17	825.98	412.99	1.4	27.0	0.018	425.9	5693.5
18	2.01	34.0	2.41	2832.22	564.62	282.31	1.4	27.0	0.011	825.5	5417.0
19	1.09	36.9	1.44	201.72	184.88	92.44	1.4	27.0	0.0	3148.6	2804.6
20	1.89	39.8	2.52	921.96	128.57	64.28	0.0	21.0	0.0	3644.5	189.4

xc = 81.414 yc = 48.557 Rc = 33.269 Fs=12.50

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.05	-11.7	0.1	1.03	0.05	0.02	0.0	21.0	0.0	1.1	0.0
2	2.37	-9.6	2.4	1771.9	77.96	38.98	0.15	24.0	0.0	1856.9	355.0
3	1.21	-6.5	1.2	13261.37	583.5	291.75	0.15	24.0	0.0	13416.6	624.2
4	1.21	-4.4	1.2	13527.68	595.22	297.61	0.15	24.0	0.0	13615.0	630.8
5	1.21	-2.3	1.2	13687.56	602.25	301.13	0.15	24.0	0.0	13723.4	634.4
6	1.21	-0.2	1.2	13799.83	607.19	303.6	1.4	27.0	0.0	13805.8	1920.3
7	1.21	1.9	1.2	13879.87	610.71	305.36	1.4	27.0	0.0	13823.5	1921.7
8	1.21	4.0	1.2	14092.57	620.07	310.04	1.4	27.0	0.0	13991.9	1931.1
9	1.1	6.0	1.1	13384.26	588.91	294.45	1.4	27.0	0.0	13271.0	1779.5
10	0.08	7.0	0.1	668.29	29.4	14.7	1.4	27.0	0.0	658.3	122.1
11	1.01	8.0	1.0	7863.19	345.98	172.99	1.4	27.0	0.0	7736.4	1453.2
12	1.01	9.7	1.0	7615.34	335.07	167.54	1.4	27.0	0.0	7478.2	1448.2
13	2.01	12.4	2.1	14210.58	625.27	312.63	1.4	27.0	0.0	13917.9	2874.8
14	1.01	15.1	1.0	6748.49	296.93	148.47	1.4	27.0	0.0	6602.1	1436.0
15	1.01	16.9	1.1	6487.05	285.43	142.72	1.4	27.0	0.0	6343.2	1436.0
16	1.01	18.7	1.1	6303.53	277.36	138.68	1.4	27.0	0.0	6166.8	1440.9
17	1.01	20.5	1.1	5822.99	256.21	128.11	1.4	27.0	0.0	5680.4	1434.7
18	1.01	22.4	1.1	4921.67	216.55	108.28	1.4	27.0	0.0	4741.2	1411.9
19	1.01	24.3	1.1	3950.92	173.84	86.92	0.15	24.0	265.8	3919.5	272.0
20	3.3	28.4	3.8	5870.37	258.3	129.15	0.0	21.0	0.0	6567.3	201.7

xc = 87.429 yc = 48.557 Rc = 29.004 Fs=1.927

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.46	-0.2	0.5	13.34	0.59	0.29	0.0	21.0	0.0	13.4	2.7
2	0.25	0.5	0.3	13.33	0.59	0.29	0.0	21.0	0.0	13.3	2.7
3	0.36	1.1	0.4	16.25	0.72	0.36	0.0	21.0	0.0	16.2	3.2
4	0.36	1.8	0.4	10.46	0.46	0.23	0.0	21.0	0.0	10.4	2.1
5	0.36	2.5	0.4	13.28	0.58	0.29	0.0	21.0	0.0	13.2	2.6
6	0.36	3.2	0.4	32.04	1.41	0.7	0.0	21.0	0.0	31.7	6.3
7	0.34	3.9	0.3	44.95	1.98	0.99	0.0	21.0	0.0	44.5	8.9
8	0.38	4.6	0.4	67.68	2.98	1.49	0.0	21.0	0.0	66.8	13.3
9	0.36	5.3	0.4	81.77	3.6	1.8	0.0	21.0	0.0	80.6	16.1
10	0.27	5.9	0.3	72.86	3.21	1.6	0.0	21.0	0.0	71.8	14.3
11	0.44	6.6	0.4	137.2	6.04	3.02	0.0	21.0	0.0	135.0	26.9
12	0.36	7.4	0.4	131.45	5.78	2.89	0.0	21.0	0.0	129.2	25.7
13	0.21	8.0	0.2	85.6	3.77	1.88	0.0	21.0	0.0	84.1	16.7
14	0.5	8.7	0.5	248.18	10.92	5.46	0.0	21.0	0.0	243.6	48.5
15	0.51	9.7	0.5	329.94	14.52	7.26	0.0	21.0	0.0	323.7	64.5
16	0.21	10.4	0.2	140.38	6.18	3.09	0.0	21.0	0.0	137.7	27.4

17	0.36	11.0	0.4	202.58	8.91	4.46	0.0	21.0	0.0	198.7	39.6
18	0.44	11.8	0.5	176.75	7.78	3.89	0.0	21.0	0.0	173.3	34.5
19	0.27	12.5	0.3	63.31	2.79	1.39	0.0	21.0	0.0	62.1	12.4
20	0.36	13.1	0.4	31.27	1.38	0.69	0.0	21.0	0.0	30.7	6.1

xc = 24.268 yc = 53.332 Rc = 48.426 Fs=1.553

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.42	7.3	0.4	177.12	7.79	3.9	0.0	21.0	0.0	173.1	42.8
2	0.56	7.9	0.6	803.73	35.36	17.68	0.0	21.0	0.0	784.5	194.0
3	0.27	8.4	0.3	537.86	23.67	11.83	0.0	21.0	0.0	524.6	129.7
4	0.42	8.8	0.4	857.92	37.75	18.87	0.0	21.0	0.0	836.2	206.7
5	0.32	9.2	0.3	682.68	30.04	15.02	0.0	21.0	0.0	664.9	164.4
6	0.51	9.7	0.5	1075.69	47.33	23.67	0.0	21.0	0.0	1047.0	258.9
7	0.5	10.3	0.5	1036.44	45.6	22.8	0.0	21.0	0.0	1008.1	249.2
8	0.33	10.8	0.3	665.84	29.3	14.65	0.0	21.0	0.0	647.3	160.0
9	0.42	11.3	0.4	767.71	33.78	16.89	0.0	21.0	0.0	746.0	184.4
10	0.26	11.7	0.3	438.38	19.29	9.64	0.0	21.0	0.0	425.9	105.3
11	0.57	12.2	0.6	894.46	39.36	19.68	0.0	21.0	0.0	868.7	214.8
12	0.43	12.8	0.4	594.1	26.14	13.07	0.0	21.0	0.0	576.8	142.6
13	0.4	13.3	0.4	500.88	22.04	11.02	0.0	21.0	0.0	486.3	120.2
14	0.61	13.9	0.6	683.27	30.06	15.03	0.0	21.0	0.0	663.3	164.0
15	0.23	14.4	0.2	227.76	10.02	5.01	0.0	21.0	0.0	221.1	54.7
16	0.42	14.8	0.4	372.39	16.39	8.19	0.0	21.0	0.0	361.6	89.4
17	0.36	15.3	0.4	274.09	12.06	6.03	0.0	21.0	0.0	266.2	65.8
18	0.47	15.8	0.5	261.9	11.52	5.76	0.0	21.0	0.0	254.4	62.9
19	0.42	16.4	0.4	135.35	5.96	2.98	0.0	21.0	0.0	131.5	32.5
20	0.42	16.9	0.4	42.52	1.87	0.94	0.0	21.0	0.0	41.3	10.2

xc = 27.276 yc = 51.74 Rc = 46.964 Fs=1.488

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.81	3.1	0.8	281.24	12.37	6.19	0.0	21.0	72.7	206.0	53.1
2	1.01	4.2	1.0	1787.3	78.64	39.32	0.0	21.0	214.5	1547.9	399.2
3	0.39	5.0	0.4	1141.23	50.21	25.11	0.0	21.0	113.2	1009.1	260.2
4	0.61	5.6	0.6	1857.24	81.72	40.86	0.0	21.0	199.0	1624.9	419.1
5	1.01	6.6	1.0	3146.66	138.45	69.23	0.0	21.0	382.9	2701.4	696.7

6	0.59	7.6	0.6	1795.17	78.99	39.49	0.0	21.0	241.7	1515.1	390.7
7	0.42	8.2	0.4	1223.59	53.84	26.92	0.0	21.0	183.7	1012.9	261.2
8	1.01	9.1	1.0	2749.7	120.99	60.49	0.0	21.0	450.8	2235.8	576.6
9	1.01	10.4	1.0	2558.68	112.58	56.29	0.0	21.0	457.0	2040.3	526.2
10	0.51	11.3	0.5	1225.19	53.91	26.95	0.0	21.0	224.0	971.0	250.4
11	0.5	11.9	0.5	1136.22	49.99	25.0	0.0	21.0	209.3	898.4	231.7
12	0.97	12.8	1.0	1961.3	86.3	43.15	0.0	21.0	379.6	1532.2	395.1
13	1.04	14.1	1.1	1669.88	73.47	36.74	0.0	21.0	341.0	1286.8	331.9
14	0.43	15.0	0.4	557.69	24.54	12.27	0.0	21.0	110.3	433.2	111.7
15	0.58	15.7	0.6	603.47	26.55	13.28	0.0	21.0	122.8	465.5	120.1
16	1.01	16.7	1.1	791.78	34.84	17.42	0.0	21.0	115.9	654.9	168.9
17	0.62	17.7	0.7	351.66	15.47	7.74	0.0	21.0	3.8	337.4	87.0
18	0.38	18.4	0.4	152.66	6.72	3.36	0.0	21.0	0.0	148.2	38.2
19	1.01	19.3	1.1	238.11	10.48	5.24	0.0	21.0	0.0	231.4	59.7
20	0.82	20.4	0.9	55.4	2.44	1.22	0.0	21.0	0.0	53.9	13.9

xc = 30.284 yc = 53.332 Rc = 48.672 Fs=2.648

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.44	-1.6	0.4	9.16	0.4	0.2	0.0	21.0	0.0	9.2	1.3
2	1.01	-0.7	1.0	588.74	25.9	12.95	0.0	21.0	247.3	342.1	49.6
3	1.01	0.5	1.0	2231.52	98.19	49.09	0.0	21.0	454.6	1774.9	257.2
4	1.01	1.7	1.0	3565.66	156.89	78.44	0.0	21.0	615.6	2938.9	426.0
5	1.01	2.8	1.0	3838.1	168.88	84.44	0.15	24.0	755.7	3032.5	1080.3
6	1.01	4.0	1.0	3844.08	169.14	84.57	0.15	24.0	862.8	2913.9	1061.1
7	1.01	5.2	1.0	3707.64	163.14	81.57	0.15	24.0	960.7	2665.1	1020.3
8	1.01	6.4	1.0	3651.89	160.68	80.34	0.15	24.0	1037.5	2518.8	996.9
9	3.02	8.8	3.1	10171.82	447.56	223.78	0.15	24.0	3344.8	6471.9	2818.0
10	3.02	12.4	3.1	7777.33	342.2	171.1	0.15	24.0	3221.2	4126.9	2444.3
11	1.01	14.9	1.0	2342.25	103.06	51.53	0.15	24.0	942.3	1236.8	797.5
12	1.15	16.2	1.2	2646.76	116.46	58.23	0.15	24.0	952.8	1494.1	929.9
13	0.86	17.4	0.9	2065.22	90.87	45.43	0.15	24.0	595.4	1311.0	731.7
14	1.01	18.6	1.1	2439.5	107.34	53.67	0.15	24.0	558.2	1687.4	884.8
15	1.01	19.8	1.1	2441.85	107.44	53.72	0.15	24.0	385.7	1854.9	917.6
16	2.01	21.7	2.2	3518.35	154.81	77.4	0.0	21.0	147.2	3430.8	497.3
17	1.01	23.6	1.1	1720.35	75.7	37.85	0.0	21.0	0.0	1766.0	256.0
18	1.01	24.9	1.1	2010.29	88.45	44.23	0.0	21.0	0.0	2077.1	301.1
19	1.01	26.3	1.1	2127.27	93.6	46.8	0.0	21.0	0.0	2213.8	320.9
20	2.55	28.6	2.9	2773.6	122.04	61.02	0.0	21.0	0.0	2928.3	424.4

xc = 42.314 yc = 53.332 Rc = 49.163 Fs=5.826

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.7	-13.5	0.7	678.02	29.83	14.92	0.0	21.0	0.0	708.5	46.7
2	1.01	-12.5	1.02	358.31	103.77	51.88	0.0	21.0	0.0	2451.1	161.5
3	1.01	-11.3	1.03	096.52	136.25	68.12	0.0	21.0	355.8	2831.9	186.6
4	1.01	-10.1	1.03	562.69	156.76	78.38	0.15	24.0	714.7	2980.0	490.9
5	1.01	-8.9	1.03	903.44	171.75	85.88	0.15	24.0	1063.8	2950.5	487.7
6	1.01	-7.7	1.04	324.32	190.27	95.14	0.15	24.0	1391.4	3026.3	492.7
7	3.02	-5.4	3.01	5051.44	662.26	331.13	0.15	24.0	5913.0	9318.3	1492.7
8	8.73	1.5	8.75	8815.85	2587.9	1293.95	0.15	24.0	27782.4	30922.4	4612.5
9	1.33	7.4	1.31	2026.42	529.16	264.58	1.4	27.0	0.0	11578.3	4231.2
10	1.01	8.8	1.09	713.05	427.37	213.69	1.4	27.0	0.0	9324.9	3262.0
11	1.01	10.0	1.01	0570.55	465.1	232.55	1.4	27.0	0.0	10145.6	3342.1
12	1.01	11.1	1.01	1278.44	496.25	248.13	1.4	27.0	0.0	10823.2	3410.9
13	1.01	12.3	1.01	1369.4	500.25	250.13	1.4	27.0	0.0	10888.4	3427.4
14	1.01	13.5	1.01	1241.78	494.64	247.32	1.4	27.0	0.0	10738.0	3426.2
15	1.01	14.8	1.01	1006.38	484.28	242.14	1.4	27.0	0.0	10481.7	3417.1
16	1.01	16.0	1.01	0727.61	472.01	236.01	1.4	27.0	0.0	10183.6	3405.6
17	3.02	18.4	3.22	9694.39	1306.55	653.28	1.4	27.0	0.0	27937.4	10089.5
18	11.07	27.6	12.59	2283.9	4060.49	2030.25	1.4	27.0	0.0	84577.3	37405.9
19	1.59	36.0	2.04	685.73	206.17	103.09	0.15	24.0	0.0	5140.8	898.2
20	2.19	38.8	2.81	392.02	61.25	30.62	0.15	24.0	0.0	1135.7	809.0

xc = 45.322 yc = 51.74 Rc = 47.298 Fs=6.199

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.78	-16.6	0.8	299.52	13.18	6.59	0.0	21.0	0.0	318.4	19.7
2	1.01	-15.5	1.01	160.56	51.06	25.53	0.0	21.0	0.0	1225.2	75.9
3	1.01	-14.2	1.01	768.71	77.82	38.91	0.0	21.0	0.0	1853.7	114.8
4	1.01	-13.0	1.02	230.74	98.15	49.08	0.0	21.0	170.3	2144.9	132.8
5	1.01	-11.7	1.02	770.69	121.91	60.96	0.0	21.0	571.6	2275.1	140.9
6	3.02	-9.2	3.11	1191.39	492.42	246.21	0.15	24.0	3881.4	7615.4	1287.0
7	8.05	-2.5	8.14	8094.89	2116.18	1058.09	0.15	24.0	22697.3	25587.2	3787.4
8	3.02	4.2	3.02	7810.39	1223.66	611.83	1.4	27.0	0.0	27216.7	9072.8
9	2.01	7.3	2.02	3250.2	1023.01	511.5	1.4	27.0	0.0	22616.3	6440.7
10	2.01	9.7	2.02	4156.69	1062.89	531.45	1.4	27.0	0.0	23388.1	6533.7
11	2.01	12.2	2.12	3755.48	1045.24	522.62	1.4	27.0	0.0	22891.3	6531.9
12	3.02	15.4	3.13	3555.03	1476.42	738.21	1.4	27.0	0.0	32130.2	9711.2
13	2.01	18.6	2.12	1057.57	926.53	463.27	1.4	27.0	0.0	20049.8	6442.1

14	2.01	21.2	2.22	0421.65	898.55	449.28	1.4	27.0	0.019	394.7	6467.2
15	2.01	23.8	2.22	1828.62	960.46	480.23	1.4	27.0	0.020	908.4	6685.4
16	2.01	26.5	2.22	0591.16	906.01	453.01	1.4	27.0	0.019	670.0	6694.4
17	3.02	30.0	3.52	4351.59	1071.47	535.74	1.4	27.0	0.022	505.5	9718.2
18	2.49	33.9	3.01	3127.56	577.61	288.81	1.4	27.0	0.010	668.4	7660.8
19	1.13	36.6	1.44	250.26	187.01	93.51	0.15	24.0	0.0	4784.9	682.7
20	2.24	39.2	2.93	982.28	175.22	87.61	0.15	24.0	0.0	4313.2	1010.0

xc = 48.33 yc = 53.332 Rc = 48.304 Fs=6.308

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.06	-15.8	0.1	1.11	0.05	0.02	0.0	21.0	0.0	1.2	0.1
2	1.01	-15.1	1.0	397.16	17.47	8.74	0.0	21.0	0.0	418.3	25.5
3	3.02	-12.7	3.14	671.24	205.53	102.77	0.0	21.0	413.0	4425.2	269.3
4	5.03	-7.8	5.11	7583.45	773.67	386.84	0.15	24.0	7887.3	10051.1	1917.0
5	2.01	-3.6	2.01	2239.42	538.53	269.27	0.15	24.0	5112.4	7203.8	988.0
6	3.02	-0.6	3.02	3098.43	1016.33	508.17	1.4	27.0	0.023	195.1	8573.4
7	2.01	2.3	2.01	8695.04	822.58	411.29	1.4	27.0	0.018	466.2	5961.6
8	2.01	4.7	2.02	2673.66	997.64	498.82	1.4	27.0	0.022	230.9	6277.3
9	2.01	7.1	2.02	3334.93	1026.74	513.37	1.4	27.0	0.022	723.4	6336.7
10	2.01	9.6	2.02	3412.69	1030.16	515.08	1.4	27.0	0.022	671.4	6360.4
11	2.01	12.0	2.12	2759.14	1001.4	500.7	1.4	27.0	0.021	921.2	6336.5
12	3.02	15.1	3.13	4426.28	1514.76	757.38	1.4	27.0	0.033	065.3	9608.6
13	2.01	18.2	2.12	4962.08	1098.33	549.17	1.4	27.0	0.024	090.7	6646.6
14	2.01	20.7	2.22	4325.64	1070.33	535.16	1.4	27.0	0.023	483.5	6671.5
15	1.61	23.0	1.81	9055.49	838.44	419.22	1.4	27.0	0.018	418.8	5378.8
16	1.4	25.0	1.51	5056.17	662.47	331.24	1.4	27.0	0.014	463.0	4608.2
17	1.01	26.6	1.11	0178.16	447.84	223.92	1.4	27.0	0.0	9737.9	3283.3
18	1.27	28.1	1.41	1669.36	513.45	256.73	1.4	27.0	0.011	042.5	4093.5
19	1.22	29.8	1.4	9512.5	418.55	209.27	1.4	27.0	0.0	8768.0	3830.3
20	6.05	35.0	7.44	5979.57	2023.1	1011.55	1.4	27.0	0.042	260.6	19807.5

xc = 51.337 yc = 51.74 Rc = 46.363 Fs=5.548

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	-15.3	0.3	28.61	1.26	0.63	0.0	21.0	0.0	30.2	2.1
2	1.01	-14.5	1.0	439.61	19.34	9.67	0.0	21.0	0.0	462.3	32.0

3	1.01	-13.2	1.01	068.57	47.02	23.51	0.0	21.0	265.6	838.4	58.0
4	1.01	-11.9	1.01	794.57	78.96	39.48	0.15	24.0	671.1	1227.8	376.6
5	1.01	-10.7	1.02	552.82	112.32	56.16	0.15	24.0	1053.2	1602.3	405.4
6	1.01	-9.4	1.03	397.35	149.48	74.74	0.15	24.0	1400.1	2097.9	444.1
7	1.01	-8.1	1.04	356.65	191.69	95.85	0.15	24.0	1736.1	2717.7	492.9
8	1.01	-6.9	1.05	272.92	232.01	116.0	0.15	24.0	2049.5	3312.0	539.8
9	3.02	-4.4	3.02	0179.33	887.89	443.95	0.15	24.0	7791.2	12564.7	1826.9
10	11.07	4.4	11.11	28216.8	5641.54	2820.77	1.4	27.0	0.012	5573.8	39543.8
11	2.01	12.5	2.12	4808.03	1091.55	545.78	1.4	27.0	0.023	772.8	7385.0
12	2.01	15.1	2.12	7111.13	1192.89	596.44	1.4	27.0	0.026	017.3	7648.5
13	2.01	17.7	2.12	7025.67	1189.13	594.56	1.4	27.0	0.025	908.1	7708.8
14	1.88	20.2	2.02	5034.21	1101.51	550.75	1.4	27.0	0.024	008.3	7247.9
15	1.14	22.2	1.21	4266.53	627.73	313.86	1.4	27.0	0.013	626.7	4367.0
16	1.01	23.6	1.11	2163.43	535.19	267.6	1.4	27.0	0.011	598.2	3836.9
17	1.27	25.2	1.41	4389.47	633.14	316.57	1.4	27.0	0.013	643.1	4802.0
18	1.22	26.9	1.41	2346.09	543.23	271.61	1.4	27.0	0.011	553.0	4516.1
19	0.68	28.2	0.86	655.89	292.86	146.43	1.4	27.0	0.0	6198.7	2525.3
20	7.26	34.1	8.87	8296.84	3445.06	1722.53	1.4	27.0	0.074	932.7	29000.5

xc = 60.36 yc = 53.332 Rc = 46.435 Fs=4.861

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	2.41	-15.3	2.52	301.97	101.29	50.64	0.0	21.0	0.0	2439.6	192.6
2	3.02	-11.9	3.11	3464.42	592.43	296.22	0.15	24.0	2274.1	11863.5	2038.3
3	2.01	-8.7	2.01	4128.62	621.66	310.83	0.15	24.0	3562.5	10939.4	1630.1
4	2.01	-6.2	2.01	6103.87	708.57	354.29	1.4	27.0	0.017	027.2	7614.4
5	3.02	-3.1	3.02	7786.58	1222.61	611.3	1.4	27.0	0.028	459.0	11688.9
6	2.01	0.0	2.02	1075.36	927.32	463.66	1.4	27.0	0.021	073.6	8004.3
7	2.01	2.5	2.02	3597.61	1038.3	519.15	1.4	27.0	0.023	260.7	8239.1
8	2.01	5.0	2.02	8246.66	1242.85	621.43	1.4	27.0	0.027	594.0	8709.8
9	2.28	7.6	2.33	4366.43	1512.12	756.06	1.4	27.0	0.033	318.1	10103.4
10	1.75	10.2	1.82	6277.11	1156.19	578.1	1.4	27.0	0.025	303.0	7771.1
11	1.01	11.9	1.01	5345.16	675.19	337.59	1.4	27.0	0.014	732.9	4505.5
12	1.27	13.3	1.31	9181.37	843.98	421.99	1.4	27.0	0.018	363.8	5691.4
13	1.22	14.9	1.31	7773.43	782.03	391.02	1.4	27.0	0.016	950.5	5415.7
14	0.68	16.1	0.71	0056.62	442.49	221.25	1.4	27.0	0.0	9586.0	3052.2
15	0.82	17.1	0.91	2267.15	539.75	269.88	1.4	27.0	0.011	700.2	3687.0
16	0.27	17.8	0.33	981.49	175.19	87.59	1.4	27.0	0.0	3793.0	1210.7
17	10.75	25.3	11.91	97494.1	8689.74	4344.87	1.4	27.0	0.019	2734.7	54444.0
18	0.08	32.8	0.1	912.56	40.15	20.08	1.4	27.0	0.0	842.3	377.5
19	1.01	33.6	1.21	0115.31	445.07	222.54	1.4	27.0	0.0	9192.7	4441.0
20	6.55	39.6	8.52	8697.58	1262.69	631.35	0.15	24.0	2192.4	29946.2	5365.1

xc = 66.376 yc = 53.332 Rc = 44.916 Fs=5.774

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.48	-18.6	0.5	119.81	5.27	2.64	0.0	21.0	0.0	129.3	8.6
2	1.01	-17.6	1.1	1027.63	45.22	22.61	0.0	21.0	0.0	1101.0	73.2
3	1.01	-16.2	1.0	1866.2	82.11	41.06	0.0	21.0	0.0	1981.9	131.8
4	1.01	-14.9	1.0	2601.51	114.47	57.23	0.0	21.0	0.0	2740.3	182.2
5	1.01	-13.6	1.0	3301.33	145.26	72.63	0.15	24.0	83.0	3439.5	534.1
6	3.02	-10.9	3.1	13486.82	593.42	296.71	0.15	24.0	2935.2	11066.3	1652.1
7	8.2	-3.7	8.2	81994.67	3607.77	1803.88	1.4	27.0	0.0	83950.6	27345.8
8	1.86	2.7	1.9	24231.32	1066.18	533.09	1.4	27.0	0.0	23945.2	6620.6
9	1.01	4.5	1.0	13809.69	607.63	303.81	1.4	27.0	0.0	13563.9	3644.4
10	1.27	6.0	1.3	17678.06	777.83	388.92	1.4	27.0	0.0	17289.0	4628.5
11	1.22	7.6	1.2	16794.9	738.98	369.49	1.4	27.0	0.0	16352.7	4429.9
12	0.68	8.8	0.7	9708.98	427.19	213.6	1.4	27.0	0.0	9435.8	2508.5
13	0.82	9.8	0.8	12040.94	529.8	264.9	1.4	27.0	0.0	11694.0	3041.4
14	0.27	10.5	0.3	3952.48	173.91	86.95	1.4	27.0	0.0	3834.2	1001.3
15	10.75	17.9	11.3	215593.1	9486.1	4743.05	1.4	27.0	0.0	211680.2	46062.6
16	0.08	25.2	0.1	1222.71	53.8	26.9	1.4	27.0	0.0	1195.1	331.7
17	1.01	25.9	1.1	14031.42	617.38	308.69	1.4	27.0	0.0	13696.1	3922.0
18	3.02	28.9	3.4	35598.27	1566.32	783.16	1.4	27.0	0.0	34369.3	11390.4
19	4.98	34.9	6.1	37614.05	1655.02	827.51	1.4	27.0	0.0	33529.5	17684.1
20	2.25	40.7	3.0	4289.38	188.73	94.37	0.0	21.0	0.0	5352.1	355.8

xc = 69.383 yc = 51.74 Rc = 41.997 Fs=6.258

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	-16.8	0.3	28.53	1.26	0.63	0.0	21.0	0.0	30.4	1.9
2	2.01	-15.2	2.1	1507.88	66.35	33.17	0.0	21.0	0.0	1589.3	97.5
3	1.01	-13.1	1.0	1955.9	86.06	43.03	0.0	21.0	0.0	2037.2	125.0
4	1.01	-11.7	1.0	3009.13	132.4	66.2	0.15	24.0	246.9	2914.6	453.6
5	1.01	-10.3	1.0	3911.14	172.09	86.05	0.15	24.0	671.4	3380.9	485.7
6	1.01	-8.9	1.0	5230.41	230.14	115.07	0.15	24.0	1070.5	4296.7	549.8
7	1.01	-7.5	1.0	6707.23	295.12	147.56	1.4	27.0	0.0	7141.4	2851.9
8	1.01	-6.1	1.0	7647.92	336.51	168.25	1.4	27.0	0.0	8005.1	2915.7
9	1.01	-4.8	1.0	8652.54	380.71	190.36	1.4	27.0	0.0	8930.5	2985.8
10	3.02	-2.0	3.0	29943.19	1317.5	658.75	1.4	27.0	0.0	30283.9	9222.6

11	9.71	6.7	9.81	43829.0	6328.48	3164.24	1.4	27.0	0.014	0887.5	33347.7
12	2.0	14.8	2.14	1709.89	1835.24	917.62	1.4	27.0	0.041	035.2	7979.5
13	2.0	17.7	2.13	9372.99	1732.41	866.21	1.4	27.0	0.038	818.4	7866.9
14	2.29	20.8	2.54	2783.33	1882.47	941.23	1.4	27.0	0.042	370.2	8941.3
15	2.1	24.0	2.32	7152.07	1194.69	597.35	1.4	27.0	0.026	478.5	7292.4
16	2.01	27.2	2.32	2040.9	969.8	484.9	1.4	27.0	0.021	287.1	6792.8
17	2.01	30.3	2.31	8297.39	805.09	402.54	1.4	27.0	0.017	321.0	6623.8
18	2.01	33.5	2.41	4751.15	649.05	324.53	1.4	27.0	0.013	394.5	6490.8
19	1.6	36.5	2.07	099.44	312.38	156.19	1.4	27.0	0.0	5227.1	4870.7
20	2.0	39.7	2.6	3288.2	144.68	72.34	0.0	21.0	0.0	4064.5	249.3

xc = 72.391 yc = 53.332 Rc = 40.963 Fs=7.448

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.08	-12.8	0.1	6.88	0.3	0.15	0.0	21.0	0.0	7.1	0.4
2	1.01	-12.0	1.0	690.36	30.38	15.19	0.0	21.0	0.0	713.5	36.8
3	1.01	-10.5	1.01	556.42	68.48	34.24	0.0	21.0	0.0	1598.5	82.4
4	1.01	-9.1	1.02	495.04	109.78	54.89	0.0	21.0	0.0	2548.0	131.3
5	3.02	-6.3	3.01	1285.08	496.54	248.27	0.15	24.0	0.011	495.9	1298.8
6	4.18	-1.2	4.22	2738.48	1000.49	500.25	1.4	27.0	0.022	945.1	9433.8
7	1.34	2.6	1.3	9575.6	421.33	210.66	1.4	27.0	0.0	9439.2	3173.5
8	1.66	4.8	1.71	2018.0	528.79	264.4	1.4	27.0	0.011	731.9	3940.4
9	1.66	7.1	1.72	4464.96	1076.46	538.23	1.4	27.0	0.024	056.8	4796.9
10	1.66	9.4	1.72	7653.72	1216.76	608.38	1.4	27.0	0.027	196.9	5030.6
11	1.66	11.8	1.72	6710.03	1175.24	587.62	1.4	27.0	0.026	244.3	4990.1
12	1.66	14.2	1.72	5487.17	1121.44	560.72	1.4	27.0	0.025	040.8	4938.7
13	2.17	17.0	2.33	2159.93	1415.04	707.52	1.4	27.0	0.031	662.1	6432.6
14	1.16	19.4	1.21	1448.2	503.72	251.86	1.4	27.0	0.011	059.7	3061.6
15	0.94	21.0	1.08	588.63	377.9	188.95	1.4	27.0	0.0	8256.0	2458.3
16	2.01	23.2	2.21	5933.93	701.09	350.55	1.4	27.0	0.015	128.6	5151.5
17	1.01	25.5	1.16	879.28	302.69	151.34	1.4	27.0	0.0	6413.0	2535.0
18	1.01	27.1	1.16	131.22	269.77	134.89	1.4	27.0	0.0	5603.9	2508.3
19	1.01	28.7	1.15	460.29	240.25	120.13	1.4	27.0	0.0	4862.4	2489.1
20	4.01	32.9	4.81	0792.73	474.88	237.44	0.15	24.0	0.011	772.0	1665.1

xc = 75.399 yc = 51.74 Rc = 38.932 Fs=8.017

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

-											
1	0.84	-14.0	0.9	470.24	20.69	10.35	0.0	21.0	0.0	490.5	23.5
2	1.01	-12.6	1.0	1473.95	64.85	32.43	0.0	21.0	0.0	1526.6	73.1
3	2.01	-10.3	2.0	4388.32	193.09	96.54	0.15	24.0	0.0	4576.7	636.9
4	1.01	-8.1	1.0	3386.61	149.01	74.51	0.15	24.0	0.0	3474.9	383.1
5	1.27	-6.4	1.3	4992.88	219.69	109.84	0.15	24.0	80.7	5000.8	517.3
6	1.22	-4.5	1.2	5226.54	229.97	114.98	1.4	27.0	0.0	5440.4	2484.5
7	0.68	-3.1	0.7	3554.67	156.41	78.2	1.4	27.0	0.0	3638.1	1425.5
8	0.82	-2.0	0.8	4976.12	218.95	109.47	1.4	27.0	0.0	5041.3	1747.3
9	0.27	-1.2	0.3	1696.54	74.65	37.32	1.4	27.0	0.0	1709.4	578.1
10	7.23	4.3	7.3	96709.07	4255.2	2127.6	1.4	27.0	0.095	572.0	18735.1
11	1.64	10.9	1.7	25531.86	1123.4	561.7	1.4	27.0	0.025	133.2	4505.6
12	1.88	13.5	1.9	29182.65	1284.04	642.02	1.4	27.0	0.028	763.0	5205.1
13	2.1	16.6	2.2	22155.15	974.83	487.41	1.4	27.0	0.021	570.4	5190.7
14	0.93	18.9	1.0	8997.97	395.91	197.96	1.4	27.0	0.0	8733.2	2270.7
15	1.08	20.5	1.2	9784.8	430.53	215.27	1.4	27.0	0.0	9466.3	2619.7
16	1.01	22.1	1.1	8501.94	374.09	187.04	1.4	27.0	0.0	8194.8	2417.3
17	1.01	23.7	1.1	7921.73	348.56	174.28	1.4	27.0	0.0	7597.3	2402.0
18	1.01	25.3	1.1	7421.37	326.54	163.27	1.4	27.0	0.0	7077.9	2394.0
19	1.01	27.0	1.1	6625.27	291.51	145.76	1.4	27.0	0.0	6229.3	2367.8
20	4.71	31.9	5.5	14339.09	630.92	315.46	0.15	24.0	0.015	703.4	1909.3

xc = 36.299 yc = 56.515 Rc = 52.087 Fs=2.394

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
-											
1	0.7	-7.1	0.7	296.44	13.04	6.52	0.0	21.0	80.8	221.7	35.6
2	1.01	-6.2	1.0	2103.1	92.54	46.27	0.0	21.0	385.2	1758.5	282.0
3	1.01	-5.1	1.0	3656.74	160.9	80.45	0.0	21.0	664.9	3047.0	488.6
4	1.01	-4.0	1.0	4159.28	183.01	91.5	0.15	24.0	924.7	3328.9	1251.2
5	1.01	-2.9	1.0	4395.4	193.4	96.7	0.15	24.0	1152.9	3308.6	1246.7
6	1.01	-1.7	1.0	4491.85	197.64	98.82	0.15	24.0	1373.5	3156.9	1218.0
7	1.01	-0.6	1.0	4672.06	205.57	102.79	0.15	24.0	1574.4	3111.3	1209.2
8	3.02	1.6	3.0	14679.27	645.89	322.94	0.15	24.0	5717.1	8868.0	3541.7
9	8.05	7.7	8.1	41848.23	1841.32	920.66	0.15	24.0	19409.6	21415.0	9073.2
10	1.05	12.8	1.1	6587.0	289.83	144.91	0.15	24.0	2498.9	3876.1	1392.9
11	0.97	13.9	1.0	6059.87	266.63	133.32	0.15	24.0	2240.1	3614.1	1296.2
12	1.01	15.0	1.0	6552.24	288.3	144.15	0.15	24.0	2255.8	4070.0	1409.9
13	1.01	16.2	1.0	7161.67	315.11	157.56	0.15	24.0	2165.2	4755.5	1541.0
14	1.01	17.3	1.1	7608.19	334.76	167.38	0.15	24.0	2088.2	5270.4	1640.8
15	1.01	18.5	1.1	7434.89	327.14	163.57	0.15	24.0	1976.8	5208.8	1633.7
16	1.01	19.7	1.1	7050.54	310.22	155.11	0.15	24.0	1854.5	4949.6	1590.2
17	1.01	20.8	1.1	6565.78	288.89	144.45	0.15	24.0	1708.7	4613.6	1532.8
18	1.01	22.0	1.1	6044.82	265.97	132.99	0.15	24.0	1527.0	4276.6	1475.6

19	1.01	23.2	1.1	5449.3	239.77	119.88	0.15	24.0	1332.7	3875.9	1407.1
20	9.84	30.1	11.42	1749.5	956.98	478.49	0.15	24.0	0.0	1896	3.3 10654.6

xc = 39.307 yc = 54.923 Rc = 50.625 Fs=4.427

Nr.	Bm	Alfa (°)	Lim	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.16	-10.5	0.2	17.01	0.75	0.37	0.0	21.0	0.0	17.6	1.5
2	1.01	-9.8	1.01	532.96	67.45	33.73	0.0	21.0	77.0	1500.0	130.1
3	1.01	-8.6	1.03	206.22	141.07	70.54	0.0	21.0	421.3	2854.6	247.5
4	1.01	-7.5	1.03	817.48	167.97	83.98	0.15	24.0	744.8	3186.6	664.4
5	1.01	-6.4	1.04	172.69	183.6	91.8	0.15	24.0	1035.7	3230.7	668.0
6	1.01	-5.2	1.04	386.58	193.01	96.5	0.15	24.0	1318.1	3141.2	658.3
7	1.01	-4.1	1.04	682.73	206.04	103.02	0.15	24.0	1580.1	3157.3	659.3
8	3.02	-1.8	3.01	5395.13	677.39	338.69	0.15	24.0	6093.9	9366.9	1965.4
9	9.03	5.1	9.15	6251.39	2475.06	1237.53	0.15	24.0	26156.2	29676.5	6056.7
10	1.03	10.8	1.08	012.32	352.54	176.27	1.4	27.0	0.0	7362.0	4167.8
11	1.01	12.0	1.08	194.55	360.56	180.28	1.4	27.0	0.0	7503.9	4116.5
12	1.01	13.1	1.08	917.36	392.36	196.18	1.4	27.0	0.0	8174.8	4208.5
13	1.01	14.3	1.09	490.31	417.57	208.79	1.4	27.0	0.0	8701.1	4285.5
14	1.01	15.5	1.09	445.94	415.62	207.81	1.4	27.0	0.0	8612.2	4293.3
15	1.01	16.7	1.19	182.38	404.02	202.01	1.4	27.0	0.0	8304.2	4277.6
16	1.01	17.9	1.18	810.27	387.65	193.83	1.4	27.0	0.0	7886.4	4251.0
17	1.01	19.1	1.18	393.82	369.33	184.66	1.4	27.0	0.0	7422.1	4221.1
18	3.02	21.5	3.22	1855.55	961.64	480.82	1.4	27.0	0.0	18604.3	12402.0
19	9.18	29.3	10.55	0759.55	2233.42	1116.71	0.15	24.0	7776.2	44763.3	8070.3
20	2.03	36.7	2.52	138.76	94.11	47.05	0.0	21.0	0.0	2505.9	217.3

xc = 45.322 yc = 54.923 Rc = 50.245 Fs=5.928

Nr.	Bm	Alfa (°)	Lim	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.57	-15.5	0.6	153.24	6.74	3.37	0.0	21.0	0.0	161.9	10.5
2	1.01	-14.5	1.0	915.52	40.28	20.14	0.0	21.0	0.0	962.0	62.3
3	1.01	-13.4	1.01	492.68	65.68	32.84	0.0	21.0	0.0	1558.2	100.9
4	1.01	-12.2	1.01	926.74	84.78	42.39	0.0	21.0	5.9	1993.0	129.1
5	1.01	-11.0	1.0	2441.6	107.43	53.72	0.0	21.0	393.7	2113.0	136.8
6	3.02	-8.7	3.11	0048.32	442.13	221.06	0.15	24.0	3279.8	7046.2	1301.9
7	8.3	-2.2	8.34	6543.61	2047.92	1023.96	0.15	24.0	21702.7	25013.1	3979.8

8	1.76	3.5	1.81	4828.1	652.44	326.22	1.4	27.0	0.01	4521.3	5421.8
9	1.01	5.1	1.09	398.09	413.52	206.76	1.4	27.0	0.0	9151.5	3172.3
10	1.01	6.3	1.01	407.1	457.91	228.96	1.4	27.0	0.01	0111.5	3259.6
11	1.01	7.4	1.01	1268.88	495.83	247.92	1.4	27.0	0.01	0929.3	3335.7
12	1.01	8.6	1.01	1516.38	506.72	253.36	1.4	27.0	0.01	1139.5	3360.6
13	1.01	9.8	1.01	1548.21	508.12	254.06	1.4	27.0	0.01	1138.7	3368.4
14	1.01	10.9	1.01	1475.39	504.92	252.46	1.4	27.0	0.01	1037.2	3368.7
15	1.01	12.1	1.01	1362.65	499.96	249.98	1.4	27.0	0.01	0899.3	3366.9
16	3.02	14.5	3.13	2630.55	1435.74	717.87	1.4	27.0	0.03	1110.4	10035.6
17	11.07	23.1	12.01	18094.75	196.17	2598.08	1.4	27.0	0.01	12156.6	38058.5
18	2.49	31.7	2.91	4967.97	658.59	329.3	1.4	27.0	0.01	2648.5	8005.4
19	1.89	34.6	2.38	257.47	363.33	181.66	0.15	24.0	293.7	8819.9	1243.7
20	2.27	37.6	2.93	770.74	165.91	82.96	0.15	24.0	0.0	3970.1	1024.0

xc = 48.33 yc = 56.515 Rc = 51.252 Fs=5.784

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.71	-14.1	0.7	171.69	7.55	3.78	0.0	21.0	0.0	180.0	11.9
2	3.02	-11.9	3.1	3741.6	164.63	82.32	0.0	21.0	0.0	3878.8	257.4
3	3.02	-8.5	3.17	616.24	335.11	167.56	0.15	24.0	3136.4	4702.3	1153.6
4	3.02	-5.1	3.01	3244.91	582.78	291.39	0.15	24.0	5807.0	7590.1	1370.3
5	2.01	-2.3	2.01	2652.96	556.73	278.37	0.15	24.0	5085.9	7617.3	1108.7
6	2.01	0.0	2.01	4427.55	634.81	317.41	1.4	27.0	0.01	4431.5	6142.5
7	2.01	2.2	2.01	7614.92	775.06	387.53	1.4	27.0	0.01	7380.5	6406.0
8	2.01	4.5	2.02	1626.85	951.58	475.79	1.4	27.0	0.02	1165.3	6750.6
9	3.02	7.3	3.03	3796.23	1487.03	743.52	1.4	27.0	0.03	2759.3	10252.4
10	1.26	9.7	1.31	4163.76	623.21	311.6	1.4	27.0	0.01	3632.6	4305.9
11	1.75	11.4	1.81	9119.55	841.26	420.63	1.4	27.0	0.01	8304.4	5944.9
12	1.01	13.0	1.01	0936.76	481.22	240.61	1.4	27.0	0.01	0434.9	3419.0
13	1.01	14.2	1.01	1157.67	490.94	245.47	1.4	27.0	0.01	0637.0	3449.1
14	1.01	15.3	1.01	1226.19	493.95	246.98	1.4	27.0	0.01	0689.9	3467.2
15	1.01	16.5	1.01	1709.4	515.21	257.61	1.4	27.0	0.01	1168.4	3524.1
16	1.01	17.7	1.11	2308.24	541.56	270.78	1.4	27.0	0.01	1773.0	3593.5
17	1.01	18.9	1.11	2201.67	536.87	268.44	1.4	27.0	0.01	1663.7	3601.3
18	1.01	20.1	1.11	2161.84	535.12	267.56	1.4	27.0	0.01	1626.5	3617.1
19	1.01	21.3	1.11	2029.63	529.3	264.65	1.4	27.0	0.01	1497.2	3626.3
20	12.3	29.8	14.21	24792.75	490.88	2745.44	1.4	27.0	0.01	18200.2	44722.8

xc = 51.337 yc = 54.923 Rc = 49.311 Fs=5.609

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.86	-13.5	0.9	174.18	7.66	3.83	0.0	21.0	0.0	182.1	12.5
2	1.01	-12.4	1.0	769.5	33.86	16.93	0.0	21.0	103.9	691.9	47.4
3	1.01	-11.2	1.01	460.64	64.27	32.13	0.15	24.0	495.3	1055.0	358.1
4	1.01	-10.0	1.02	195.09	96.58	48.29	0.15	24.0	864.9	1418.9	385.9
5	1.01	-8.8	1.03	018.72	132.82	66.41	0.15	24.0	1200.8	1905.5	423.6
6	1.01	-7.6	1.0	3959.9	174.24	87.12	0.15	24.0	1527.3	2517.7	471.4
7	1.01	-6.5	1.04	860.77	213.87	106.94	0.15	24.0	1832.6	3106.3	517.4
8	3.02	-4.1	3.018	874.17	830.46	415.23	0.15	24.0	7104.2	11927.1	1756.2
9	10.06	3.5	10.11	09694.3	4826.55	2413.28	1.4	27.0	0.0	107760.5	34952.2
10	2.01	10.6	2.023	155.34	1018.84	509.42	1.4	27.0	0.0	22225.4	7128.7
11	2.01	12.9	2.123	944.23	1053.55	526.77	1.4	27.0	0.0	22905.5	7235.0
12	2.01	15.4	2.126	854.09	1181.58	590.79	1.4	27.0	0.0	25774.7	7550.7
13	2.01	17.8	2.127	213.01	1197.37	598.69	1.4	27.0	0.0	26125.4	7649.1
14	2.01	20.3	2.125	232.81	1110.24	555.12	1.4	27.0	0.0	24112.1	7545.4
15	2.28	23.0	2.526	939.83	1185.35	592.68	1.4	27.0	0.0	25653.2	8508.0
16	1.9	25.6	2.119	045.91	838.02	419.01	1.4	27.0	0.0	17818.9	6889.5
17	1.66	27.9	1.915	961.66	702.31	351.16	1.4	27.0	0.0	14859.1	6050.0
18	2.11	30.5	2.419	678.52	865.85	432.93	1.4	27.0	0.0	18259.0	7771.5
19	2.11	33.4	2.531	050.57	1366.23	683.11	1.4	27.0	0.0	31158.0	9138.5
20	2.11	36.3	2.623	328.82	1026.47	513.23	1.4	27.0	0.0	22636.8	8597.9

xc = 60.36 yc = 56.515 Rc = 49.383 Fs=5.672

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	2.25	-14.3	2.31	676.03	73.75	36.87	0.0	21.0	0.0	1759.9	119.1
2	3.02	-11.2	3.112	459.05	548.2	274.1	0.15	24.0	1745.0	11254.9	1697.0
3	2.01	-8.2	2.013	350.96	587.44	293.72	0.15	24.0	3153.2	10498.8	1361.7
4	3.02	-5.3	3.023	345.75	1027.21	513.61	1.4	27.0	0.0	24332.6	9667.0
5	2.01	-2.3	2.017	701.44	778.86	389.43	1.4	27.0	0.0	17983.3	6586.0
6	2.01	0.0	2.019	984.43	879.32	439.66	1.4	27.0	0.0	19983.0	6761.6
7	3.02	2.9	3.036	357.14	1599.71	799.86	1.4	27.0	0.0	35857.6	10680.6
8	2.01	5.9	2.027	819.05	1224.04	612.02	1.4	27.0	0.0	27201.9	7436.1
9	1.77	8.1	1.826	021.72	1144.96	572.48	1.4	27.0	0.0	25334.6	6682.0
10	1.25	9.8	1.318	315.31	805.87	402.94	1.4	27.0	0.0	17768.4	4729.4
11	1.01	11.2	1.014	940.12	657.37	328.68	1.4	27.0	0.0	14472.0	3831.2
12	1.27	12.5	1.318	715.66	823.49	411.74	1.4	27.0	0.0	18096.1	4842.9
13	1.22	14.0	1.317	382.24	764.82	382.41	1.4	27.0	0.0	16764.5	4611.7
14	0.68	15.2	0.79	864.36	434.03	217.02	1.4	27.0	0.0	9515.3	2600.9
15	0.82	16.1	0.812	064.36	530.83	265.42	1.4	27.0	0.0	11649.3	3143.7

16	0.27	16.7	0.3	3921.6	172.55	86.28	1.4	27.0	0.0	3784.5	1032.6
17	10.75	23.7	11.7	198753.4	8745.15	4372.58	1.4	27.0	0.0	196592.2	46623.7
18	0.08	30.6	0.1	966.81	42.54	21.27	1.4	27.0	0.0	930.5	325.7
19	1.01	31.3	1.2	10829.36	476.49	238.25	1.4	27.0	0.0	10342.5	3835.9
20	7.47	37.5	9.4	37123.33	1633.43	816.71	1.4	27.0	0.0	27113.8	25649.9

xc = 63.368 yc = 54.923 Rc = 47.442 Fs=5.727

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.82	-16.5	0.9	410.36	18.06	9.03	0.0	21.0	0.0	436.6	29.3
2	1.01	-15.3	1.0	2061.79	90.72	45.36	0.0	21.0	0.0	2178.1	146.0
3	1.01	-14.1	1.0	3568.29	157.0	78.5	0.0	21.0	0.0	3742.0	250.8
4	1.01	-12.8	1.0	4472.64	196.8	98.4	0.15	24.0	417.8	4296.7	604.4
5	1.01	-11.6	1.0	5170.3	227.49	113.75	0.15	24.0	864.9	4522.5	620.7
6	1.01	-10.4	1.0	5768.67	253.82	126.91	0.15	24.0	1289.2	4669.1	630.9
7	1.01	-9.1	1.0	6333.51	278.67	139.34	0.15	24.0	1678.9	4817.3	641.5
8	3.02	-6.7	3.0	21962.7	966.36	483.18	1.4	27.0	0.0	23224.2	9496.2
9	11.07	1.9	11.1	147177.5	6475.81	3237.9	1.4	27.0	0.0	145953.2	40058.4
10	2.49	10.1	2.5	37513.56	1650.6	825.3	1.4	27.0	0.0	36424.2	9432.7
11	2.03	12.9	2.1	31768.56	1397.82	698.91	1.4	27.0	0.0	30796.7	7835.8
12	2.32	15.6	2.4	37038.02	1629.67	814.84	1.4	27.0	0.0	35921.3	9072.9
13	2.32	18.5	2.4	54249.6	2386.98	1193.49	1.4	27.0	0.0	53614.6	10740.0
14	2.32	21.5	2.5	50253.66	2211.16	1105.58	1.4	27.0	0.0	49867.2	10520.6
15	2.32	24.5	2.5	45690.16	2010.37	1005.18	1.4	27.0	0.0	45535.7	10274.0
16	1.22	26.9	1.4	22809.02	1003.6	501.8	1.4	27.0	0.0	22847.0	5380.2
17	0.08	27.8	0.1	1170.52	51.5	25.75	1.4	27.0	0.0	1146.4	335.4
18	1.01	28.5	1.1	13337.73	586.86	293.43	1.4	27.0	0.0	13029.1	3959.2
19	1.01	29.9	1.2	12149.49	534.58	267.29	1.4	27.0	0.0	11781.5	3886.5
20	8.26	36.9	10.3	53175.58	2339.73	1169.86	1.4	27.0	0.0	45565.2	29206.2

xc = 66.376 yc = 56.515 Rc = 46.705 Fs=6.099

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.65	-14.1	0.7	168.24	7.4	3.7	0.0	21.0	0.0	176.2	11.1
2	1.01	-13.0	1.0	796.15	35.03	17.52	0.0	21.0	0.0	829.3	52.2
3	3.02	-10.5	3.1	5735.6	252.37	126.18	0.0	21.0	0.0	5902.6	371.5
4	4.02	-6.1	4.0	17618.05	775.19	387.6	0.15	24.0	3623.5	14295.2	2039.2

5	2.01	-2.4	2.01	5380.04	676.72	338.36	1.4	27.0	0.01	5645.6	5930.7
6	2.01	0.0	2.01	8705.67	823.05	411.52	1.4	27.0	0.01	8701.4	6181.8
7	2.01	2.5	2.01	9731.29	868.18	434.09	1.4	27.0	0.01	9476.3	6251.0
8	2.28	5.1	2.32	4412.18	1074.14	537.07	1.4	27.0	0.02	3858.2	7245.5
9	1.9	7.7	1.92	0032.6	881.43	440.72	1.4	27.0	0.01	9397.6	6031.0
10	1.67	9.9	1.71	9251.85	847.08	423.54	1.4	27.0	0.01	8591.8	5439.0
11	2.06	12.3	2.12	6068.38	1147.01	573.5	1.4	27.0	0.02	5168.5	6938.5
12	2.06	14.9	2.14	1405.15	1821.83	910.91	1.4	27.0	0.04	0640.5	8284.4
13	2.06	17.5	2.23	8966.98	1714.55	857.27	1.4	27.0	0.03	8287.8	8153.4
14	2.06	20.2	2.23	6020.52	1584.9	792.45	1.4	27.0	0.03	5437.8	7994.7
15	1.93	22.8	2.13	1821.73	1400.16	700.08	1.4	27.0	0.03	1396.0	7431.0
16	0.08	24.1	0.1	986.77	43.42	21.71	1.4	27.0	0.0	950.6	291.9
17	1.01	24.9	1.11	1248.38	494.93	247.46	1.4	27.0	0.01	0800.1	3448.4
18	3.02	27.7	3.42	7596.02	1214.23	607.11	1.4	27.0	0.02	5921.3	9988.6
19	4.25	32.9	5.12	3390.52	1029.18	514.59	1.4	27.0	0.01	9299.0	13231.9
20	2.06	37.6	2.6	3245.42	142.8	71.4	0.0	21.0	0.0	3904.8	245.8

xc = 69.383 yc = 54.923 Rc = 43.333 Fs=6.94

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.13	-10.7	0.1	9.02	0.4	0.2	0.0	21.0	0.0	9.3	0.5
2	1.01	-10.0	1.0	458.78	20.19	10.09	0.0	21.0	0.0	470.4	26.0
3	1.01	-8.6	1.01	742.63	76.68	38.34	0.0	21.0	0.0	1777.5	98.3
4	1.01	-7.3	1.03	159.92	139.04	69.52	0.15	24.0	0.0	3240.2	427.1
5	1.01	-5.9	1.0	3892.9	171.29	85.64	0.15	24.0	0.0	3963.1	472.9
6	1.01	-4.6	1.04	701.48	206.87	103.43	0.15	24.0	251.8	4504.9	507.2
7	3.02	-1.9	3.01	7125.9	753.54	376.77	1.4	27.0	0.01	7385.4	7369.6
8	5.5	3.7	5.53	9275.73	1728.13	864.07	1.4	27.0	0.03	8454.9	13946.7
9	1.71	8.5	1.71	4102.55	620.51	310.26	1.4	27.0	0.01	3588.9	4486.1
10	1.71	10.8	1.72	6779.23	1178.29	589.14	1.4	27.0	0.02	6224.9	5437.7
11	1.71	13.1	1.82	9255.52	1287.24	643.62	1.4	27.0	0.02	8722.2	5651.2
12	1.71	15.4	1.82	7809.22	1223.61	611.8	1.4	27.0	0.02	7307.9	5584.2
13	1.71	17.8	1.82	6063.22	1146.78	573.39	1.4	27.0	0.02	5606.4	5503.6
14	1.96	20.4	2.12	8539.37	1255.73	627.87	1.4	27.0	0.02	8109.5	6284.5
15	2.1	23.3	2.31	8835.2	828.75	414.37	1.4	27.0	0.01	7955.7	5922.6
16	1.07	25.6	1.2	8107.47	356.73	178.36	1.4	27.0	0.0	7574.1	2954.1
17	0.94	27.0	1.16	221.08	273.73	136.86	1.4	27.0	0.0	5684.9	2546.3
18	1.01	28.5	1.15	802.66	255.32	127.66	1.4	27.0	0.0	5143.7	2687.3
19	1.01	30.0	1.24	902.67	215.72	107.86	1.4	27.0	0.0	4132.4	2647.7
20	3.89	33.9	4.71	0461.22	460.29	230.15	0.15	24.0	0.01	1429.0	1745.7

xc = 21.261 yc = 58.107 Rc = 53.058 Fs=1.431

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.21	10.4	0.2	44.18	1.94	0.97	0.0	21.0	0.0	42.8	11.5
2	0.26	10.6	0.3	172.1	7.57	3.79	0.0	21.0	0.0	166.7	44.7
3	0.17	10.9	0.2	154.15	6.78	3.39	0.0	21.0	0.0	149.3	40.0
4	0.21	11.1	0.2	198.82	8.75	4.37	0.0	21.0	0.0	192.5	51.6
5	0.21	11.3	0.2	201.38	8.86	4.43	0.0	21.0	0.0	194.9	52.3
6	0.21	11.6	0.2	203.59	8.96	4.48	0.0	21.0	0.0	197.0	52.8
7	0.2	11.8	0.2	191.93	8.44	4.22	0.0	21.0	0.0	185.7	49.8
8	0.23	12.0	0.2	216.15	9.51	4.76	0.0	21.0	0.0	209.1	56.1
9	0.21	12.3	0.2	196.27	8.64	4.32	0.0	21.0	0.0	189.8	50.9
10	0.21	12.5	0.2	189.5	8.34	4.17	0.0	21.0	0.0	183.2	49.1
11	0.21	12.7	0.2	182.39	8.03	4.01	0.0	21.0	0.0	176.3	47.3
12	0.14	12.9	0.1	115.35	5.08	2.54	0.0	21.0	0.0	111.5	29.9
13	0.29	13.2	0.3	214.51	9.44	4.72	0.0	21.0	0.0	207.3	55.6
14	0.21	13.4	0.2	134.16	5.9	2.95	0.0	21.0	0.0	129.6	34.8
15	0.21	13.7	0.2	112.2	4.94	2.47	0.0	21.0	0.0	108.4	29.1
16	0.29	14.0	0.3	117.76	5.18	2.59	0.0	21.0	0.0	113.8	30.5
17	0.13	14.2	0.1	40.16	1.77	0.88	0.0	21.0	0.0	38.8	10.4
18	0.21	14.4	0.2	48.84	2.15	1.07	0.0	21.0	0.0	47.2	12.7
19	0.21	14.6	0.2	29.58	1.3	0.65	0.0	21.0	0.0	28.6	7.7
20	0.21	14.9	0.2	9.95	0.44	0.22	0.0	21.0	0.0	9.6	2.6

xc = 24.268 yc = 59.698 Rc = 54.766 Fs=1.67

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.46	6.5	0.5	222.9	9.81	4.9	0.0	21.0	0.0	218.6	50.3
2	0.53	7.0	0.5	800.35	35.22	17.61	0.0	21.0	0.0	784.2	180.3
3	0.4	7.5	0.4	826.24	36.35	18.18	0.0	21.0	0.0	808.9	185.9
4	0.61	8.0	0.6	1327.31	58.4	29.2	0.0	21.0	0.0	1298.4	298.5
5	0.32	8.5	0.3	702.08	30.89	15.45	0.0	21.0	0.0	686.3	157.8
6	0.69	9.0	0.7	1521.84	66.96	33.48	0.0	21.0	0.0	1486.6	341.7
7	0.24	9.5	0.2	509.34	22.41	11.21	0.0	21.0	0.0	497.3	114.3
8	0.46	9.9	0.5	939.17	41.32	20.66	0.0	21.0	0.0	916.6	210.7
9	0.31	10.3	0.3	577.01	25.39	12.69	0.0	21.0	0.0	562.9	129.4
10	0.62	10.8	0.6	1078.92	47.47	23.74	0.0	21.0	0.0	1052.2	241.9
11	0.39	11.3	0.4	610.37	26.86	13.43	0.0	21.0	0.0	595.1	136.8
12	0.54	11.8	0.6	797.79	35.1	17.55	0.0	21.0	0.0	777.7	178.8

13	0.46	12.4	0.5	639.59	28.14	14.07	0.0	21.0	0.0	623.4	143.3
14	0.46	12.9	0.5	582.53	25.63	12.82	0.0	21.0	0.0	567.7	130.5
15	0.54	13.4	0.6	603.41	26.55	13.28	0.0	21.0	0.0	588.1	135.2
16	0.38	13.9	0.4	357.91	15.75	7.87	0.0	21.0	0.0	348.9	80.2
17	0.46	14.4	0.5	342.33	15.06	7.53	0.0	21.0	0.0	333.7	76.7
18	0.46	14.9	0.5	241.28	10.62	5.31	0.0	21.0	0.0	235.3	54.1
19	0.46	15.4	0.5	149.87	6.59	3.3	0.0	21.0	0.0	146.2	33.6
20	0.46	15.9	0.5	54.71	2.41	1.2	0.0	21.0	0.0	53.4	12.3

xc = 27.276 yc = 58.107 Rc = 53.304 Fs=1.416

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.76	2.7	0.8	253.83	11.17	5.58	0.0	21.0	62.6	189.0	51.2
2	1.01	3.7	1.0	1764.86	77.65	38.83	0.0	21.0	202.3	1539.0	417.2
3	1.01	4.8	1.0	2995.98	131.82	65.91	0.0	21.0	307.7	2638.1	715.2
4	1.01	5.8	1.0	3166.65	139.33	69.67	0.0	21.0	393.7	2712.2	735.3
5	1.01	6.9	1.0	3068.73	135.02	67.51	0.0	21.0	448.3	2555.5	692.8
6	1.01	8.0	1.0	2832.3	124.62	62.31	0.0	21.0	495.4	2273.1	616.3
7	1.01	9.1	1.0	2680.43	117.94	58.97	0.0	21.0	522.8	2094.1	567.7
8	1.01	10.2	1.0	2529.06	111.28	55.64	0.0	21.0	530.4	1936.3	525.0
9	0.62	11.1	0.6	1428.83	62.87	31.43	0.0	21.0	314.4	1078.3	292.3
10	1.39	12.2	1.4	2687.35	118.24	59.12	0.0	21.0	661.9	1957.5	530.7
11	0.48	13.2	0.5	772.07	33.97	16.99	0.0	21.0	208.6	544.2	147.5
12	0.52	13.8	0.5	723.79	31.85	15.92	0.0	21.0	206.2	499.7	135.5
13	1.01	14.6	1.0	1194.66	52.57	26.28	0.0	21.0	333.7	831.0	225.3
14	1.01	15.8	1.0	983.53	43.28	21.64	0.0	21.0	238.5	719.1	195.0
15	1.01	16.9	1.1	797.89	35.11	17.55	0.0	21.0	121.9	652.8	177.0
16	1.01	18.0	1.1	702.17	30.9	15.45	0.0	21.0	0.0	678.5	184.0
17	1.01	19.2	1.1	723.56	31.84	15.92	0.0	21.0	0.0	700.1	189.8
18	1.01	20.3	1.1	702.99	30.93	15.47	0.0	21.0	0.0	681.2	184.7
19	0.93	21.4	1.0	598.85	26.35	13.17	0.0	21.0	0.0	581.4	157.6
20	0.94	22.5	1.0	340.68	14.99	7.5	0.0	21.0	0.0	331.5	89.9

xc = 30.284 yc = 59.698 Rc = 55.011 Fs=2.591

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.22	-1.3	0.2	2.05	0.09	0.05	0.0	21.0	0.0	2.1	0.3

2	1.01	-0.6	1.0	539.54	23.74	11.87	0.0	21.0	220.7	319.4	47.3
3	1.01	0.4	1.0	2181.89	96.0	48.0	0.0	21.0	427.8	1752.3	259.6
4	1.01	1.5	1.0	3520.05	154.88	77.44	0.0	21.0	591.0	2919.0	432.4
5	1.01	2.5	1.0	3799.99	167.2	83.6	0.15	24.0	735.6	3018.9	1101.8
6	1.01	3.6	1.0	3819.35	168.05	84.03	0.15	24.0	849.7	2907.8	1083.3
7	1.01	4.6	1.0	3700.94	162.84	81.42	0.15	24.0	957.2	2668.4	1042.9
8	1.01	5.7	1.0	3667.98	161.39	80.7	0.15	24.0	1046.0	2533.5	1020.7
9	3.02	7.8	3.0	10400.43	457.62	228.81	0.15	24.0	3465.1	6603.6	2898.4
10	4.02	11.5	4.1	11078.88	487.47	243.74	0.15	24.0	4707.1	5814.9	3376.9
11	1.06	14.2	1.1	2845.59	125.21	62.6	0.15	24.0	1092.9	1578.8	904.9
12	0.95	15.3	1.0	2704.81	119.01	59.51	0.15	24.0	897.9	1640.0	852.8
13	1.01	16.4	1.0	2971.52	130.75	65.37	0.15	24.0	838.2	1946.9	941.6
14	1.01	17.5	1.1	3058.69	134.58	67.29	0.15	24.0	710.4	2153.3	980.6
15	2.01	19.1	2.1	5025.87	221.14	110.57	0.15	24.0	944.9	3673.1	1864.1
16	1.01	20.8	1.1	2617.85	115.19	57.59	0.15	24.0	185.1	2220.8	1004.6
17	1.01	21.9	1.1	3016.15	132.71	66.36	0.0	21.0	0.0	3068.2	454.5
18	1.01	23.0	1.1	3255.68	143.25	71.62	0.0	21.0	0.0	3328.3	493.1
19	1.01	24.2	1.1	2874.17	126.46	63.23	0.0	21.0	0.0	2954.2	437.7
20	3.57	26.8	4.0	5029.88	221.31	110.66	0.0	21.0	0.0	5244.3	776.9

xc = 33.291 yc = 58.107 Rc = 53.549 Fs=2.392

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.04	-3.9	1.0	560.2	24.65	12.32	0.0	21.0	237.7	326.8	52.5
2	1.01	-2.8	1.0	2308.1	101.56	50.78	0.0	21.0	496.0	1828.5	293.5
3	1.01	-1.7	1.0	3750.69	165.03	82.52	0.0	21.0	715.6	3051.0	489.7
4	1.01	-0.6	1.0	4143.12	182.3	91.15	0.15	24.0	916.2	3240.7	1234.4
5	1.01	0.4	1.0	4267.89	187.79	93.89	0.15	24.0	1085.8	3172.7	1221.7
6	1.01	1.5	1.0	4254.12	187.18	93.59	0.15	24.0	1248.4	2975.3	1185.2
7	1.01	2.6	1.0	4325.13	190.31	95.15	0.15	24.0	1391.9	2883.3	1168.5
8	3.02	4.8	3.0	12991.2	571.61	285.81	0.15	24.0	4828.7	7910.0	3372.3
9	4.2	8.7	4.3	16672.21	733.58	366.79	0.15	24.0	7595.0	8534.2	4254.9
10	0.83	11.4	0.8	3448.86	151.75	75.87	0.15	24.0	1494.4	1818.8	868.5
11	1.01	12.4	1.0	4434.39	195.11	97.56	0.15	24.0	1777.0	2477.5	1107.3
12	1.01	13.5	1.0	4655.27	204.83	102.42	0.15	24.0	1724.4	2736.1	1158.3
13	3.02	15.7	3.1	14181.56	623.99	311.99	0.15	24.0	4634.4	8898.3	3623.3
14	2.08	18.6	2.2	9885.19	434.95	217.47	0.15	24.0	2501.9	6894.8	2661.0
15	0.94	20.3	1.0	5168.01	227.39	113.7	0.15	24.0	928.8	4011.9	1373.2
16	1.01	21.4	1.1	5277.91	232.23	116.11	0.15	24.0	841.6	4193.3	1458.4
17	1.01	22.6	1.1	4782.86	210.45	105.22	0.15	24.0	661.0	3879.5	1405.6
18	1.01	23.7	1.1	4186.04	184.19	92.09	0.15	24.0	456.2	3486.0	1338.3
19	1.01	24.9	1.1	3551.43	156.26	78.13	0.15	24.0	214.7	3088.8	1270.8
20	4.57	28.3	5.2	6122.48	269.39	134.69	0.0	21.0	0.0	6399.6	1027.2

xc = 39.307 yc = 58.107 Rc = 53.795 Fs=5.227

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.22	-9.9	0.2	30.02	1.32	0.66	0.0	21.0	0.0	30.9	2.3
2	1.01	-9.2	1.0	1590.1	69.96	34.98	0.0	21.0	107.9	1519.7	111.6
3	1.01	-8.1	1.0	3245.0	142.78	71.39	0.0	21.0	442.3	2861.2	210.1
4	1.01	-7.1	1.0	3840.9	169.0	84.5	0.15	24.0	757.2	3176.7	561.5
5	1.01	-6.0	1.0	4182.2	184.02	92.01	0.15	24.0	1040.7	3217.7	564.4
6	1.01	-4.9	1.0	4384.5	192.92	96.46	0.15	24.0	1317.0	3126.4	556.1
7	1.01	-3.8	1.0	4671.4	205.54	102.77	0.15	24.0	1574.1	3141.4	557.0
8	3.02	-1.7	3.0	15326.3	674.36	337.18	0.15	24.0	6057.7	9321.3	1660.5
9	10.06	5.3	10.1	64598.2	2842.33	1421.16	0.15	24.0	29628.6	34576.8	5844.9
10	2.01	11.8	2.1	16934.1	745.1	372.55	1.4	27.0	0.0	15827.0	7048.9
11	2.01	14.0	2.1	19356.3	851.68	425.84	1.4	27.0	0.0	18123.3	7321.4
12	2.01	16.2	2.1	18471.7	812.76	406.38	1.4	27.0	0.0	17118.9	7281.9
13	2.01	18.5	2.1	17007.1	748.32	374.16	1.4	27.0	0.0	15527.3	7196.0
14	2.01	20.7	2.2	14807.6	651.54	325.77	1.4	27.0	0.0	13165.2	7046.7
15	2.01	23.1	2.2	13159.1	579.0	289.5	1.4	27.0	0.0	11337.9	6962.8
16	2.01	25.4	2.2	11694.2	514.55	257.27	1.4	27.0	0.0	9664.7	6908.9
17	3.02	28.4	3.4	17607.9	774.75	387.37	0.15	24.0	2912.1	15464.1	2302.1
18	1.12	30.9	1.3	5397.1	237.47	118.74	0.15	24.0	267.5	5477.0	840.5
19	1.9	32.8	2.3	6117.9	269.19	134.59	0.15	24.0	0.0	6505.2	1203.3
20	2.27	35.5	2.8	3302.8	145.32	72.66	0.15	24.0	0.0	3286.5	1081.3

xc = 42.314 yc = 59.698 Rc = 55.134 Fs=6.685

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.54	-11.9	0.6	393.2	17.3	8.65	0.0	21.0	0.0	406.8	23.4
2	1.01	-11.1	1.0	1859.7	81.83	40.91	0.0	21.0	0.0	1916.8	110.1
3	1.01	-10.0	1.0	2553.7	112.36	56.18	0.0	21.0	62.4	2556.1	146.8
4	1.01	-9.0	1.0	2979.2	131.09	65.54	0.0	21.0	400.0	2635.2	151.3
5	1.01	-7.9	1.0	3269.8	143.87	71.94	0.15	24.0	730.3	2620.0	402.5
6	1.01	-6.9	1.0	3659.8	161.03	80.52	0.15	24.0	1041.7	2686.0	406.3
7	3.02	-4.8	3.0	12913.2	568.18	284.09	0.15	24.0	4787.7	8256.5	1229.6
8	10.06	2.0	10.1	63486.4	2793.4	1396.7	0.15	24.0	29043.4	34302.8	4543.9
9	2.01	8.3	2.0	18329.1	806.48	403.24	1.4	27.0	0.0	17702.9	5608.9

10	2.01	10.5	2.02	1343.17	939.1	469.55	1.4	27.0	0.02	0622.5	5857.6
11	3.02	13.1	3.13	1523.36	1387.03	693.51	1.4	27.0	0.03	0316.3	8802.4
12	1.47	15.5	1.51	4564.05	640.82	320.41	1.4	27.0	0.01	3933.0	4256.6
13	1.55	17.2	1.61	4300.03	629.2	314.6	1.4	27.0	0.01	3597.8	4431.7
14	1.01	18.6	1.18	959.23	394.21	197.1	1.4	27.0	0.0	8487.2	2869.9
15	1.01	19.7	1.18	935.84	393.18	196.59	1.4	27.0	0.0	8459.1	2882.7
16	1.01	20.8	1.18	759.31	385.41	192.7	1.4	27.0	0.0	8274.1	2884.7
17	1.01	21.9	1.18	996.43	395.84	197.92	1.4	27.0	0.0	8522.0	2920.9
18	1.01	23.0	1.19	347.82	411.3	205.65	1.4	27.0	0.0	8895.8	2968.0
19	1.01	24.2	1.18	992.15	395.65	197.83	1.4	27.0	0.0	8528.0	2960.0
20	10.52	31.2	12.35	4547.6	2400.09	1200.05	1.4	27.0	0.04	6046.7	29268.3

xc = 45.322 yc = 58.107 Rc = 53.193 Fs=6.046

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	-14.5	0.3	44.44	1.96	0.98	0.0	21.0	0.0	46.7	3.0
2	1.01	-13.7	1.0	647.98	28.51	14.26	0.0	21.0	0.0	677.5	43.0
3	1.01	-12.6	1.01	197.89	52.71	26.35	0.0	21.0	0.0	1245.2	79.1
4	1.01	-11.5	1.0	1607.3	70.72	35.36	0.0	21.0	0.0	1661.7	105.5
5	1.01	-10.4	1.02	100.03	92.4	46.2	0.0	21.0	209.1	1945.2	123.5
6	3.02	-8.2	3.08	881.71	390.8	195.4	0.15	24.0	2665.8	6458.0	1232.2
7	8.72	-1.9	8.74	6165.37	2031.28	1015.64	0.15	24.0	21145.5	25163.6	4017.6
8	1.34	3.6	1.31	0779.6	474.3	237.15	1.4	27.0	0.01	0551.0	4001.2
9	1.01	4.8	1.08	878.42	390.65	195.33	1.4	27.0	0.0	8650.6	3067.2
10	1.01	5.9	1.09	900.42	435.62	217.81	1.4	27.0	0.0	9626.3	3153.6
11	1.01	7.0	1.01	0777.91	474.23	237.11	1.4	27.0	0.01	0461.9	3229.1
12	1.01	8.1	1.01	1043.9	485.93	242.97	1.4	27.0	0.01	0691.8	3254.4
13	1.01	9.2	1.01	1097.04	488.27	244.14	1.4	27.0	0.01	0713.0	3263.1
14	1.01	10.3	1.01	1048.46	486.13	243.07	1.4	27.0	0.01	0636.1	3264.4
15	1.01	11.4	1.01	0962.99	482.37	241.19	1.4	27.0	0.01	0525.4	3263.8
16	3.02	13.6	3.13	1623.44	1391.43	695.72	1.4	27.0	0.03	0179.0	9735.5
17	12.34	22.5	13.41	29329.5	5690.5	2845.25	1.4	27.0	0.12	2885.9	41290.1
18	1.9	30.9	2.21	0222.08	449.77	224.89	1.4	27.0	0.0	8412.4	5848.3
19	1.91	33.4	2.38	310.53	365.66	182.83	1.4	27.0	0.0	6117.5	5821.0
20	2.3	36.1	2.81	0946.54	481.65	240.82	0.15	24.0	0.01	2372.4	1616.5

xc = 51.337 yc = 58.107 Rc = 52.258 Fs=5.608

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.23	-12.4	0.2	11.08	0.49	0.24	0.0	21.0	0.0	11.5	0.8
2	1.01	-11.7	1.0	454.12	19.98	9.99	0.0	21.0	0.0	470.4	32.2
3	1.01	-10.6	1.01	120.29	49.29	24.65	0.0	21.0	312.4	832.4	57.0
4	1.01	-9.4	1.01	826.64	80.37	40.19	0.15	24.0	671.0	1233.2	370.7
5	1.01	-8.3	1.0	2631.8	115.8	57.9	0.15	24.0	997.1	1711.8	407.9
6	1.01	-7.2	1.03	556.97	156.51	78.25	0.15	24.0	1315.2	2317.3	455.3
7	1.01	-6.1	1.04	444.21	195.55	97.77	0.15	24.0	1613.3	2900.6	501.0
8	3.02	-3.9	3.01	7563.69	772.8	386.4	0.15	24.0	6414.5	11290.9	1705.7
9	10.06	3.3	10.11	04358.7	4591.78	2295.89	1.4	27.0	0.01	02542.8	34478.0
10	2.01	10.0	2.02	2285.67	980.57	490.28	1.4	27.0	0.02	1389.9	7044.1
11	2.01	12.2	2.12	3188.22	1020.28	510.14	1.4	27.0	0.02	2176.8	7155.0
12	2.01	14.5	2.12	6238.27	1154.48	577.24	1.4	27.0	0.02	5168.7	7475.3
13	2.09	16.8	2.22	7753.76	1221.17	610.58	1.4	27.0	0.02	6616.9	7864.0
14	1.94	19.1	2.02	4035.54	1057.56	528.78	1.4	27.0	0.02	2942.3	7201.8
15	1.01	20.8	1.11	2164.75	535.25	267.62	1.4	27.0	0.01	1592.3	3741.1
16	1.27	22.2	1.41	4590.47	641.98	320.99	1.4	27.0	0.01	3844.9	4689.0
17	1.22	23.7	1.31	2769.21	561.85	280.92	1.4	27.0	0.01	2005.1	4418.9
18	0.68	24.8	0.86	999.88	307.99	154.0	1.4	27.0	0.0	6567.5	2475.0
19	0.82	25.7	0.9	8367.6	368.17	184.09	1.4	27.0	0.0	7854.0	2976.6
20	7.86	31.3	9.29	5158.7	4186.98	2093.49	1.4	27.0	0.09	2302.5	31330.7

xc = 63.368 yc = 58.107 Rc = 50.078 Fs=5.417

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.14	-15.2	0.1	11.94	0.53	0.26	0.0	21.0	0.0	12.6	0.9
2	1.01	-14.5	1.01	215.81	53.5	26.75	0.0	21.0	0.0	1279.4	90.7
3	1.01	-13.3	1.02	694.75	118.57	59.28	0.0	21.0	0.0	2816.7	199.6
4	1.01	-12.2	1.03	555.78	156.45	78.23	0.0	21.0	0.0	3693.7	261.7
5	1.01	-11.0	1.04	224.74	185.89	92.94	0.15	24.0	367.2	4049.1	616.6
6	1.01	-9.8	1.04	802.79	211.32	105.66	0.15	24.0	780.8	4190.1	627.1
7	1.01	-8.6	1.05	349.76	235.39	117.69	0.15	24.0	1161.2	4333.7	638.0
8	3.02	-6.3	3.01	8642.15	820.25	410.13	0.15	24.0	5648.6	13287.3	1933.1
9	12.34	2.5	12.41	52853.1	6725.54	3362.77	1.4	27.0	0.01	50985.4	46126.1
10	1.9	10.7	1.92	5887.91	1139.07	569.53	1.4	27.0	0.02	4956.6	7354.9
11	1.87	12.9	1.92	6949.69	1185.79	592.89	1.4	27.0	0.02	5952.8	7399.5
12	2.3	15.4	2.43	8906.56	1711.89	855.94	1.4	27.0	0.03	7680.0	9711.9
13	2.3	18.1	2.45	1001.29	2244.06	1122.03	1.4	27.0	0.05	0072.9	10967.3
14	2.3	20.9	2.54	7167.65	2075.38	1037.69	1.4	27.0	0.04	6392.9	10730.3
15	3.06	24.2	3.45	6827.98	2500.43	1250.22	1.4	27.0	0.05	6045.5	13938.8
16	2.1	27.5	2.42	5701.94	1130.89	565.44	1.4	27.0	0.02	4591.6	8422.9
17	2.01	30.2	2.31	9967.12	878.55	439.28	1.4	27.0	0.01	8582.9	7764.9

18	3.02	33.6	3.62	1789.63	958.74	479.37	1.4	27.0	0.0	18765.1	11130.8
19	1.32	36.6	1.66	131.82	269.8	134.9	0.15	24.0	426.1	6380.1	979.8
20	2.3	39.3	3.0	4292.7	188.88	94.44	0.0	21.0	0.0	5240.0	371.3

xc = 66.376 yc = 59.698 Rc = 48.59 Fs=6.17

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.48	-8.6	0.5	60.31	2.65	1.33	0.0	21.0	0.0	61.6	3.8
2	1.01	-7.7	1.0	633.27	27.86	13.93	0.0	21.0	0.0	644.5	40.1
3	1.01	-6.5	1.0	1480.8	65.16	32.58	0.0	21.0	0.0	1501.0	93.4
4	1.01	-5.3	1.0	2195.03	96.58	48.29	0.15	24.0	0.0	2242.4	407.5
5	1.01	-4.1	1.0	3347.69	147.3	73.65	0.15	24.0	79.6	3311.4	484.2
6	1.01	-2.9	1.0	4627.73	203.62	101.81	0.15	24.0	357.8	4303.9	555.5
7	1.01	-1.7	1.0	5216.26	229.52	114.76	0.15	24.0	627.0	4608.9	577.4
8	1.01	-0.6	1.0	5885.9	258.98	129.49	0.15	24.0	875.2	5016.8	606.7
9	3.02	1.8	3.02	0474.64	900.88	450.44	1.4	27.0	0.0	20214.3	8522.6
10	7.44	8.0	7.55	8908.43	2591.97	1295.99	1.4	27.0	0.0	56425.8	21721.0
11	1.8	13.6	1.93	0286.16	1332.59	666.3	1.4	27.0	0.0	29553.3	6639.4
12	1.8	15.8	1.92	9937.63	1317.26	658.63	1.4	27.0	0.0	29228.8	6654.9
13	1.8	18.0	1.92	7970.75	1230.71	615.36	1.4	27.0	0.0	27282.8	6544.2
14	1.8	20.2	1.92	5866.96	1138.15	569.07	1.4	27.0	0.0	25197.2	6430.6
15	1.38	22.2	1.51	8936.82	833.22	416.61	1.4	27.0	0.0	18456.5	4895.2
16	0.08	23.2	0.1	768.26	33.8	16.9	1.4	27.0	0.0	721.0	268.0
17	1.01	23.9	1.18	671.53	381.55	190.77	1.4	27.0	0.0	8082.4	3164.1
18	3.02	26.5	3.42	0193.75	888.53	444.26	1.4	27.0	0.0	18007.1	9140.8
19	3.51	30.9	4.11	3368.84	588.23	294.11	0.15	24.0	0.0	14364.5	2030.9
20	1.8	34.6	2.22	212.22	97.34	48.67	0.0	21.0	0.0	2576.9	160.3

xc = 21.261 yc = 61.29 Rc = 56.228 Fs=1.491

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.24	9.8	0.2	56.43	2.48	1.24	0.0	21.0	0.0	54.8	14.1
2	0.27	10.0	0.3	193.89	8.53	4.27	0.0	21.0	0.0	188.3	48.5
3	0.21	10.3	0.2	213.53	9.4	4.7	0.0	21.0	0.0	207.3	53.4
4	0.24	10.5	0.2	243.9	10.73	5.37	0.0	21.0	0.0	236.8	61.0
5	0.24	10.8	0.2	248.22	10.92	5.46	0.0	21.0	0.0	240.9	62.0
6	0.31	11.1	0.3	330.06	14.52	7.26	0.0	21.0	0.0	320.2	82.4

7	0.17	11.3	0.2	175.16	7.71	3.85	0.0	21.0	0.0	169.9	43.7
8	0.24	11.5	0.2	246.97	10.87	5.43	0.0	21.0	0.0	239.5	61.7
9	0.24	11.8	0.2	239.88	10.55	5.28	0.0	21.0	0.0	232.6	59.9
10	0.24	12.0	0.2	232.29	10.22	5.11	0.0	21.0	0.0	225.2	58.0
11	0.12	12.2	0.1	114.3	5.03	2.51	0.0	21.0	0.0	110.8	28.5
12	0.36	12.5	0.4	306.75	13.5	6.75	0.0	21.0	0.0	297.2	76.5
13	0.24	12.8	0.2	172.93	7.61	3.8	0.0	21.0	0.0	167.5	43.1
14	0.24	13.0	0.2	146.51	6.45	3.22	0.0	21.0	0.0	141.9	36.5
15	0.17	13.2	0.2	87.0	3.83	1.91	0.0	21.0	0.0	84.3	21.7
16	0.31	13.5	0.3	129.25	5.69	2.84	0.0	21.0	0.0	125.2	32.2
17	0.24	13.8	0.2	73.78	3.25	1.62	0.0	21.0	0.0	71.5	18.4
18	0.24	14.0	0.2	50.67	2.23	1.11	0.0	21.0	0.0	49.1	12.6
19	0.22	14.3	0.2	25.48	1.12	0.56	0.0	21.0	0.0	24.7	6.4
20	0.26	14.5	0.3	9.65	0.42	0.21	0.0	21.0	0.0	9.3	2.4

xc = 24.268 yc = 62.882 Rc = 57.936 Fs=1.725

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.48	6.1	0.5	244.52	10.76	5.38	0.0	21.0	0.0	240.2	53.4
2	0.51	6.6	0.5	792.42	34.87	17.43	0.0	21.0	0.0	777.7	173.0
3	0.45	7.1	0.5	960.33	42.25	21.13	0.0	21.0	0.0	941.7	209.5
4	0.55	7.6	0.6	1220.2	53.69	26.84	0.0	21.0	0.0	1195.5	266.0
5	0.42	8.1	0.4	937.71	41.26	20.63	0.0	21.0	0.0	918.1	204.3
6	0.59	8.6	0.6	1328.41	58.45	29.23	0.0	21.0	0.0	1299.8	289.2
7	0.38	9.1	0.4	822.68	36.2	18.1	0.0	21.0	0.0	804.5	179.0
8	0.63	9.6	0.6	1262.77	55.56	27.78	0.0	21.0	0.0	1234.3	274.6
9	0.34	10.1	0.3	628.13	27.64	13.82	0.0	21.0	0.0	613.7	136.5
10	0.67	10.6	0.7	1140.41	50.18	25.09	0.0	21.0	0.0	1113.9	247.8
11	0.3	11.0	0.3	478.12	21.04	10.52	0.0	21.0	0.0	466.9	103.9
12	0.71	11.6	0.7	1060.33	46.65	23.33	0.0	21.0	0.0	1035.2	230.3
13	0.26	12.0	0.3	369.39	16.25	8.13	0.0	21.0	0.0	360.6	80.2
14	0.48	12.4	0.5	630.83	27.76	13.88	0.0	21.0	0.0	615.8	137.0
15	0.26	12.8	0.3	310.46	13.66	6.83	0.0	21.0	0.0	303.1	67.4
16	0.71	13.3	0.7	713.48	31.39	15.7	0.0	21.0	0.0	696.5	155.0
17	0.48	13.9	0.5	358.17	15.76	7.88	0.0	21.0	0.0	349.7	77.8
18	0.48	14.4	0.5	264.24	11.63	5.81	0.0	21.0	0.0	258.1	57.4
19	0.34	14.8	0.3	127.1	5.59	2.8	0.0	21.0	0.0	124.2	27.6
20	0.63	15.3	0.7	98.65	4.34	2.17	0.0	21.0	0.0	96.4	21.4

xc = 27.276 yc = 61.29 Rc = 56.474 Fs=1.306

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.74	2.6	0.7	239.82	10.55	5.28	0.0	21.0	52.9	184.7	54.3
2	1.01	3.5	1.01	751.29	77.06	38.53	0.0	21.0	195.0	1531.9	450.3
3	1.01	4.5	1.0	2990.2	131.57	65.78	0.0	21.0	304.6	2633.1	774.0
4	1.01	5.5	1.03	170.69	139.51	69.76	0.0	21.0	395.9	2710.8	796.9
5	1.01	6.5	1.03	084.68	135.73	67.86	0.0	21.0	457.0	2558.7	752.2
6	1.01	7.6	1.02	862.26	125.94	62.97	0.0	21.0	511.6	2282.2	670.9
7	1.01	8.6	1.02	726.55	119.97	59.98	0.0	21.0	547.8	2109.8	620.2
8	1.01	9.6	1.02	593.57	114.12	57.06	0.0	21.0	565.2	1959.6	576.0
9	2.01	11.2	2.14	285.09	188.54	94.27	0.0	21.0	1100.2	3068.2	901.9
10	1.01	12.8	1.01	630.59	71.75	35.87	0.0	21.0	492.0	1094.6	321.8
11	1.01	13.8	1.01	356.08	59.67	29.83	0.0	21.0	421.0	898.1	264.0
12	1.01	14.9	1.01	175.44	51.72	25.86	0.0	21.0	342.2	799.7	235.1
13	1.01	15.9	1.0	1023.0	45.01	22.51	0.0	21.0	243.6	747.8	219.8
14	1.01	17.0	1.1	963.32	42.39	21.19	0.0	21.0	112.6	816.2	239.9
15	1.01	18.1	1.11	023.73	45.04	22.52	0.0	21.0	0.0	982.6	288.8
16	1.01	19.1	1.1	1045.3	45.99	23.0	0.0	21.0	0.0	1004.0	295.1
17	1.01	20.2	1.1	1036.6	45.61	22.81	0.0	21.0	0.0	996.7	293.0
18	2.01	21.9	2.2	694.51	30.56	15.28	0.0	21.0	0.0	669.4	196.8
19	1.01	23.5	1.1	308.53	13.58	6.79	0.0	21.0	0.0	298.3	87.7
20	3.01	25.8	3.32	221.67	97.75	48.88	0.0	21.0	0.0	2160.4	635.1

xc = 36.299 yc = 62.882 Rc = 58.427 Fs=2.088

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.74	-6.4	0.7	319.58	14.06	7.03	0.0	21.0	96.1	229.6	42.2
2	1.01	-5.5	1.02	114.61	93.04	46.52	0.0	21.0	391.4	1762.5	324.1
3	1.01	-4.5	1.03	648.06	160.51	80.26	0.0	21.0	660.2	3041.4	559.2
4	1.01	-3.5	1.04	133.79	181.89	90.94	0.15	24.0	911.3	3316.9	1431.7
5	1.01	-2.5	1.04	357.45	191.73	95.86	0.15	24.0	1133.0	3291.0	1425.5
6	1.01	-1.6	1.04	445.51	195.6	97.8	0.15	24.0	1349.1	3135.4	1391.8
7	1.01	-0.6	1.04	621.38	203.34	101.67	0.15	24.0	1547.8	3087.5	1381.4
8	3.02	1.4	3.01	4537.48	639.65	319.82	0.15	24.0	5642.5	8798.4	4045.8
9	8.31	7.0	8.44	3932.63	1933.04	966.52	0.15	24.0	20308.6	22475.0	10809.0
10	1.75	12.0	1.81	1184.26	492.11	246.05	0.15	24.0	4352.2	6420.7	2655.3
11	1.01	13.4	1.06	881.45	302.78	151.39	0.15	24.0	2429.1	4187.6	1636.1
12	1.01	14.4	1.07	552.96	332.33	166.17	0.15	24.0	2371.1	4890.7	1789.3
13	1.01	15.4	1.08	067.08	354.95	177.48	0.15	24.0	2329.8	5425.7	1906.9
14	1.01	16.4	1.07	967.11	350.55	175.28	0.15	24.0	2256.9	5391.9	1903.6

15	1.01	17.5	1.17	662.13	337.13	168.57	0.15	24.0	2176.45	165.8	1859.5
16	1.01	18.5	1.17	263.08	319.58	159.79	0.15	24.0	2075.74	867.6	1800.4
17	1.01	19.5	1.16	834.53	300.72	150.36	0.15	24.0	1942.64	572.5	1742.2
18	3.02	21.7	3.21	7243.61	758.72	379.36	0.15	24.0	4912.51	1377.6	4759.9
19	8.31	27.9	9.43	6039.43	1585.74	792.87	0.15	24.0	2176.73	1215.9	13406.8
20	2.01	33.7	2.4	1607.0	70.71	35.35	0.0	21.0	0.0	1720.1	316.3

xc = 39.307 yc = 61.29 Rc = 56.965 Fs=5.13

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	-9.3	0.3	44.12	1.94	0.97	0.0	21.0	0.0	45.3	3.4
2	1.01	-8.7	1.01	637.94	72.07	36.03	0.0	21.0	133.7	1539.3	115.2
3	1.01	-7.7	1.03	276.61	144.17	72.09	0.0	21.0	459.4	2871.7	214.9
4	1.01	-6.7	1.03	858.89	169.79	84.9	0.15	24.0	766.6	3180.1	572.2
5	1.01	-5.6	1.04	187.77	184.26	92.13	0.15	24.0	1043.6	3216.2	574.7
6	1.01	-4.6	1.04	379.82	192.71	96.36	0.15	24.0	1314.5	3121.1	566.0
7	1.01	-3.6	1.04	658.52	204.97	102.49	0.15	24.0	1567.3	3133.1	566.7
8	3.02	-1.6	3.01	5256.73	671.3	335.65	0.15	24.0	6021.0	9285.9	1688.7
9	10.06	5.0	10.16	4586.92	2841.82	1420.91	0.15	24.0	2962	2.634	576.0	5953.8
10	3.02	11.7	3.12	7612.18	1214.94	607.47	1.4	27.0	0.0	2592	7.3	10985.6
11	2.01	14.3	2.11	9748.51	868.93	434.47	1.4	27.0	0.0	1847	0.6	7500.2
12	2.01	16.4	2.11	8607.84	818.74	409.37	1.4	27.0	0.0	1721	1.7	7432.2
13	1.4	18.1	1.51	1955.2	526.03	263.01	1.4	27.0	0.0	1091	2.2	5091.8
14	1.62	19.7	1.71	2521.58	550.95	275.47	1.4	27.0	0.0	1121	5.0	5818.9
15	1.01	21.2	1.17	266.27	319.72	159.86	1.4	27.0	0.0	640	5.8	3580.4
16	1.01	22.2	1.17	123.27	313.42	156.71	1.4	27.0	0.0	622	9.6	3585.3
17	1.01	23.3	1.16	826.17	300.35	150.18	1.4	27.0	0.0	589	1.5	3575.7
18	1.01	24.5	1.16	941.56	305.43	152.71	1.4	27.0	0.0	598	3.7	3610.5
19	1.01	25.6	1.17	169.92	315.48	157.74	1.4	27.0	0.0	619	7.5	3659.3
20	8.33	31.0	9.73	5010.34	1540.46	770.23	0.15	24.0	1290.5	3577	2.7	5945.4

xc = 42.314 yc = 62.882 Rc = 58.081 Fs=6.087

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.42	-11.3	0.4	237.36	10.44	5.22	0.0	21.0	0.0	245.1	15.5
2	1.01	-10.5	1.01	520.27	66.89	33.45	0.0	21.0	0.0	1564.7	98.7
3	1.01	-9.5	1.02	195.93	96.62	48.31	0.0	21.0	0.0	2250.5	141.9

4	1.01	-8.5	1.02	605.09	114.62	57.31	0.0	21.0	197.7	2457.5	155.0
5	1.01	-7.5	1.02	878.33	126.65	63.32	0.0	21.0	520.3	2398.4	151.2
6	1.01	-6.5	1.0	3247.9	142.91	71.45	0.15	24.0	824.9	2488.1	431.5
7	3.02	-4.5	3.01	1617.2	511.16	255.58	0.15	24.0	4105.5	7638.5	1304.8
8	10.06	1.9	10.15	9014.25	2596.63	1298.31	0.15	24.0	26689.6	32179.5	4834.5
9	3.02	8.4	3.12	8123.75	1237.45	618.72	1.4	27.0	0.0	27056.5	9282.7
10	2.01	10.9	2.02	0782.7	914.44	457.22	1.4	27.0	0.0	19934.1	6382.4
11	2.01	13.0	2.12	0219.25	889.65	444.82	1.4	27.0	0.0	19283.3	6363.3
12	3.02	15.5	3.12	8107.44	1236.73	618.36	1.4	27.0	0.0	26552.8	9427.9
13	2.01	18.1	2.11	7457.63	768.14	384.07	1.4	27.0	0.0	16327.9	6236.3
14	2.01	20.2	2.11	6947.1	745.67	372.84	1.4	27.0	0.0	15757.7	6251.1
15	2.01	22.3	2.21	8577.59	817.41	408.71	1.4	27.0	0.0	17429.2	6463.0
16	2.03	24.5	2.21	7796.53	783.05	391.52	1.4	27.0	0.0	16589.3	6513.8
17	2.0	26.7	2.21	4325.69	630.33	315.17	1.4	27.0	0.0	12905.7	6223.1
18	1.01	28.4	1.16	338.63	278.9	139.45	1.4	27.0	0.0	5533.1	3093.7
19	1.27	29.7	1.56	685.05	294.14	147.07	1.4	27.0	0.0	5511.7	3830.2
20	4.89	33.3	5.81	4832.42	652.63	326.31	0.15	24.0	0.0	16027.5	2613.5

xc = 45.322 yc = 61.29 Rc = 56.14 Fs=6.365

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.02	-13.0	1.0	361.84	15.92	7.96	0.0	21.0	0.0	376.6	22.7
2	1.01	-11.9	1.0	887.46	39.05	19.52	0.0	21.0	0.0	918.8	55.4
3	1.01	-10.9	1.01	274.98	56.1	28.05	0.0	21.0	0.0	1313.6	79.2
4	1.01	-9.8	1.01	748.02	76.91	38.46	0.0	21.0	18.8	1773.6	107.0
5	3.02	-7.8	3.07	695.39	338.6	169.3	0.15	24.0	2041.4	5860.4	1127.8
6	7.04	-2.6	7.13	0835.13	1356.75	678.37	0.15	24.0	14196.0	16786.2	2835.6
7	3.02	2.5	3.02	1949.21	965.77	482.88	0.15	24.0	8722.7	13167.4	1633.0
8	2.01	5.1	2.01	7290.89	760.8	380.4	1.4	27.0	0.0	16842.9	5791.8
9	2.01	7.2	2.02	0846.21	917.23	458.62	1.4	27.0	0.0	20245.9	6081.5
10	2.01	9.2	2.02	1134.49	929.92	464.96	1.4	27.0	0.0	20417.0	6118.5
11	2.31	11.5	2.42	3992.99	1055.69	527.85	1.4	27.0	0.0	23053.5	7036.8
12	1.71	13.6	1.81	6935.58	745.17	372.58	1.4	27.0	0.0	16174.2	5167.7
13	1.01	15.0	1.09	807.97	431.55	215.78	1.4	27.0	0.0	9339.5	3038.9
14	1.01	16.1	1.09	943.82	437.53	218.76	1.4	27.0	0.0	9466.4	3060.9
15	1.01	17.2	1.19	930.38	436.94	218.47	1.4	27.0	0.0	9444.4	3072.0
16	1.01	18.2	1.11	0334.76	454.73	227.36	1.4	27.0	0.0	9853.7	3118.8
17	1.01	19.3	1.11	0857.92	477.75	238.87	1.4	27.0	0.0	10392.1	3176.9
18	1.01	20.4	1.11	0678.87	469.87	234.94	1.4	27.0	0.0	10211.4	3178.6
19	1.01	21.5	1.11	0569.83	465.07	232.54	1.4	27.0	0.0	10104.8	3187.5
20	12.08	29.1	13.88	7812.81	3863.76	1931.88	1.4	27.0	0.0	80005.3	36828.2

xc = 48.33 yc = 62.882 Rc = 57.147 Fs=5.902

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.79	-11.6	0.8	161.64	7.11	3.56	0.0	21.0	0.0	167.3	10.9
2	2.01	-10.2	2.0	1517.6	66.77	33.39	0.0	21.0	0.0	1560.1	101.5
3	1.01	-8.6	1.0	1308.04	57.55	28.78	0.0	21.0	317.6	1011.8	65.8
4	1.01	-7.6	1.0	1749.73	76.99	38.49	0.15	24.0	630.2	1175.9	346.7
5	1.01	-6.6	1.0	2298.78	101.15	50.57	0.15	24.0	936.5	1413.6	364.1
6	1.01	-5.6	1.0	2878.43	126.65	63.33	0.15	24.0	1224.5	1699.5	385.2
7	1.01	-4.6	1.0	3554.0	156.38	78.19	0.15	24.0	1482.5	2111.4	415.8
8	1.01	-3.6	1.0	4353.62	191.56	95.78	0.15	24.0	1734.5	2652.6	456.4
9	1.01	-2.6	1.0	5119.17	225.24	112.62	0.15	24.0	1968.6	3175.9	495.6
10	3.02	-0.5	3.0	18891.3	831.22	415.61	0.15	24.0	7113.3	11794.1	1657.0
11	12.07	7.1	12.2	124462.7	5476.36	2738.18	1.4	27.0	0.0	120538.8	39269.9
12	2.01	14.2	2.1	21056.67	926.49	463.25	1.4	27.0	0.0	20035.3	6654.8
13	3.02	16.9	3.2	35397.47	1557.49	778.74	1.4	27.0	0.0	33834.5	10403.4
14	1.22	19.1	1.3	14335.01	630.74	315.37	1.4	27.0	0.0	13696.6	4255.2
15	1.79	20.7	1.9	19501.46	858.06	429.03	1.4	27.0	0.0	18523.4	6150.1
16	1.01	22.2	1.1	10529.95	463.32	231.66	1.4	27.0	0.0	9969.7	3438.9
17	1.27	23.4	1.4	12433.5	547.07	273.54	1.4	27.0	0.0	11687.7	4299.8
18	1.22	24.8	1.3	10612.08	466.93	233.47	1.4	27.0	0.0	9823.9	4039.3
19	0.68	25.9	0.8	5758.35	253.37	126.68	1.4	27.0	0.0	5304.5	2258.5
20	7.39	30.6	8.6	74714.73	3287.45	1643.72	1.4	27.0	0.0	71117.4	26505.0

xc = 51.337 yc = 61.29 Rc = 55.206 Fs=5.597

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.69	-10.9	0.7	159.07	7.0	3.5	0.0	21.0	0.0	164.1	11.3
2	1.01	-10.0	1.0	770.99	33.92	16.96	0.0	21.0	123.6	665.4	45.6
3	1.01	-8.9	1.0	1449.25	63.77	31.88	0.15	24.0	472.3	1044.9	356.1
4	1.01	-7.9	1.0	2238.0	98.47	49.24	0.15	24.0	789.9	1516.3	392.9
5	1.01	-6.8	1.0	3148.92	138.55	69.28	0.15	24.0	1100.5	2115.8	439.9
6	1.01	-5.8	1.0	4024.02	177.06	88.53	0.15	24.0	1392.2	2694.4	485.4
7	3.02	-3.7	3.0	16248.83	714.95	357.47	0.15	24.0	5722.5	10654.8	1658.2
8	8.2	2.1	8.2	79717.89	3507.59	1753.79	1.4	27.0	0.0	78735.5	27684.5
9	1.87	7.4	1.9	19169.07	843.44	421.72	1.4	27.0	0.0	18501.3	6389.6
10	1.01	8.9	1.0	10547.52	464.09	232.05	1.4	27.0	0.0	10133.0	3469.9
11	1.01	9.9	1.0	10945.03	481.58	240.79	1.4	27.0	0.0	10496.3	3510.8

12	1.01	11.0	1.011195.9	492.62	246.31	1.4	27.0	0.010717.2	3539.7		
13	1.01	12.1	1.011867.56	522.17	261.09	1.4	27.0	0.011364.1	3608.4		
14	1.01	13.1	1.012661.31	557.1	278.55	1.4	27.0	0.012140.3	3689.8		
15	1.01	14.2	1.012756.56	561.29	280.64	1.4	27.0	0.012219.9	3708.9		
16	1.01	15.3	1.012925.9	568.74	284.37	1.4	27.0	0.012378.7	3736.3		
17	3.02	17.5	3.237830.25	1664.53	832.27	1.4	27.0	0.036132.9	11205.8		
18	9.24	24.4	10.1112564.0	4952.82	2476.41	1.4	27.0	0.0107647.5	35175.0		
19	2.12	31.0	2.530353.58	1335.56	667.78	1.4	27.0	0.030050.6	8909.2		
20	2.12	33.6	2.523254.46	1023.2	511.6	1.4	27.0	0.022341.5	8386.6		

xc = 57.353 yc = 61.29 Rc = 54.271 Fs=4.958

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.95	-12.3	1.0	428.29	18.84	9.42	0.0	21.0	0.0	445.8	34.5
2	3.02	-10.1	3.16	676.04	293.75	146.87	0.15	24.0	684.2	6355.4	1498.6
3	4.02	-6.4	4.025	255.48	1111.24	555.62	0.15	24.05	610.8	20107.1	3031.1
4	2.01	-3.2	2.015	597.42	686.29	343.14	0.15	24.04	657.6	11046.1	1601.8
5	2.01	-1.1	2.017	254.55	759.2	379.6	1.4	27.0	0.0	17396.1	7471.6
6	3.02	1.6	3.028	055.1	1234.42	617.21	1.4	27.0	0.0	27749.3	11379.3
7	2.01	4.3	2.021	610.06	950.84	475.42	1.4	27.0	0.0	21084.8	7865.4
8	3.02	6.9	3.038	793.77	1706.93	853.46	1.4	27.0	0.0	37567.2	12447.6
9	2.01	9.6	2.028	105.13	1236.63	618.31	1.4	27.0	0.0	27058.7	8544.5
10	2.01	11.8	2.127	580.44	1213.54	606.77	1.4	27.0	0.0	26398.0	8517.8
11	2.28	14.1	2.331	471.46	1384.74	692.37	1.4	27.0	0.0	30008.1	9718.9
12	2.72	16.8	2.835	073.02	1543.21	771.61	1.4	27.0	0.0	33182.9	11436.8
13	1.91	19.4	2.024	240.86	1066.6	533.3	1.4	27.0	0.0	22863.0	8056.3
14	2.38	21.8	2.643	650.59	1920.63	960.31	1.4	27.0	0.0	42372.0	11608.6
15	2.38	24.6	2.645	276.83	1992.18	996.09	1.4	27.0	0.0	44316.5	11958.6
16	2.38	27.4	2.739	417.37	1734.36	867.18	1.4	27.0	0.0	38416.4	11530.8
17	1.96	30.0	2.328	553.18	1256.34	628.17	1.4	27.0	0.0	27647.0	9215.6
18	0.08	31.2	0.1	796.31	35.04	17.52	1.4	27.0	0.0	717.5	352.6
19	1.01	31.9	1.2	8779.6	386.3	193.15	1.4	27.0	0.0	7761.7	4144.5
20	6.49	36.8	8.124	160.99	1063.08	531.54	0.15	24.0	0.0	26556.2	4838.4

xc = 60.36 yc = 62.882 Rc = 55.278 Fs=5.803

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	1.55	-12.4	1.6	787.49	34.65	17.32	0.0	21.0	0.0	818.0	54.1
2	1.01	-11.0	1.01	955.19	86.03	43.01	0.0	21.0	0.0	2017.8	133.5
3	1.01	-9.9	1.03	444.88	151.57	75.79	0.15	24.0	209.0	3377.1	523.2
4	1.01	-8.9	1.04	789.62	210.74	105.37	0.15	24.0	604.8	4328.8	595.4
5	1.01	-7.8	1.05	520.97	242.92	121.46	0.15	24.0	969.5	4679.9	621.6
6	1.01	-6.8	1.06	048.82	266.15	133.07	0.15	24.0	1327.3	4830.1	632.5
7	1.01	-5.7	1.06	485.02	285.34	142.67	0.15	24.0	1666.2	4907.1	637.9
8	1.01	-4.7	1.06	894.99	303.38	151.69	0.15	24.0	1974.4	4989.8	643.8
9	3.02	-2.6	3.02	2952.57	1009.91	504.96	1.4	27.0	0.0	23400.2	9344.5
10	12.34	5.4	12.41	59345.8	7011.21	3505.61	1.4	27.0	0.0	155932.2	43596.9
11	2.72	13.3	2.83	6696.12	1614.63	807.31	1.4	27.0	0.0	35379.1	9850.5
12	2.04	15.8	2.12	7839.46	1224.94	612.47	1.4	27.0	0.0	26818.1	7472.9
13	2.39	18.2	2.54	8102.13	2116.49	1058.25	1.4	27.0	0.0	47276.2	10229.8
14	2.39	20.9	2.64	9299.83	2169.19	1084.6	1.4	27.0	0.0	48774.2	10461.5
15	2.39	23.6	2.64	432.8	1955.04	977.52	1.4	27.0	0.0	44040.8	10165.1
16	1.8	25.9	2.03	0850.46	1357.42	678.71	1.4	27.0	0.0	30655.3	7508.6
17	0.08	27.0	0.11	036.32	45.6	22.8	1.4	27.0	0.0	1001.8	316.7
18	1.01	27.7	1.11	1761.56	517.51	258.75	1.4	27.0	0.0	11321.9	3735.0
19	1.01	28.9	1.11	0624.52	467.48	233.74	1.4	27.0	0.0	10114.1	3659.6
20	8.07	34.5	9.84	3790.11	1926.77	963.38	1.4	27.0	0.0	34785.8	26696.1

xc = 63.368 yc = 61.29 Rc = 51.948 Fs=5.597

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.9	-12.8	0.9	347.1	15.27	7.64	0.0	21.0	0.0	361.6	24.8
2	1.01	-11.7	1.01	188.01	52.27	26.14	0.0	21.0	0.0	1230.8	84.4
3	1.01	-10.6	1.01	826.89	80.38	40.19	0.0	21.0	0.0	1882.6	129.1
4	1.01	-9.5	1.02	371.73	104.36	52.18	0.0	21.0	0.0	2432.1	166.8
5	1.01	-8.3	1.02	888.07	127.08	63.54	0.0	21.0	0.0	2948.5	202.2
6	3.02	-6.1	3.01	1173.27	491.62	245.81	0.15	24.0	1717.6	9678.5	1583.6
7	8.05	0.0	8.06	4553.33	2840.35	1420.17	1.4	27.0	0.0	64542.6	26011.6
8	2.01	5.6	2.02	0967.59	922.57	461.29	1.4	27.0	0.0	20391.7	6914.4
9	2.28	8.0	2.32	5229.13	1110.08	555.04	1.4	27.0	0.0	24359.1	7973.6
10	1.9	10.3	1.92	0276.37	892.16	446.08	1.4	27.0	0.0	19407.6	6607.4
11	1.94	12.5	2.02	2347.06	983.27	491.64	1.4	27.0	0.0	21356.1	6923.0
12	2.19	14.8	2.33	0806.08	1355.47	677.73	1.4	27.0	0.0	29649.9	8376.4
13	2.19	17.3	2.34	2590.86	1874.0	937.0	1.4	27.0	0.0	41639.6	9540.4
14	2.19	19.9	2.33	9300.7	1729.23	864.62	1.4	27.0	0.0	38416.8	9334.0
15	2.19	22.5	2.43	5680.83	1569.96	784.98	1.4	27.0	0.0	34845.0	9112.2
16	1.11	24.5	1.21	7272.4	759.99	379.99	1.4	27.0	0.0	16886.1	4594.4
17	0.08	25.2	0.1	911.71	40.12	20.06	1.4	27.0	0.0	860.9	311.8
18	1.01	25.9	1.11	0326.82	454.38	227.19	1.4	27.0	0.0	9692.5	3679.6
19	1.01	27.1	1.19	281.42	408.38	204.19	1.4	27.0	0.0	8579.5	3608.5

20	7.76	32.8	9.236	155.19	1590.83	795.41	0.15	24.0	3195.63	5789.5	5322.5

xc = 69.383 yc = 61.29 Rc = 47.23 Fs=2.829

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.57	-4.0	0.6	164.09	7.22	3.61	0.0	21.0	0.0	166.0	22.5
2	1.01	-3.0	1.0	766.24	33.71	16.86	0.0	21.0	0.0	772.8	104.9
3	0.96	-1.8	1.0	937.61	41.25	20.63	0.0	21.0	0.0	942.1	127.8
4	1.05	-0.6	1.1	1311.04	57.69	28.84	0.0	21.0	0.0	1312.9	178.1
5	1.01	0.7	1.0	1725.29	75.91	37.96	0.15	24.0	0.0	1716.1	803.6
6	0.48	1.6	0.5	929.58	40.9	20.45	0.15	24.0	0.0	919.0	399.9
7	0.79	2.3	0.8	1544.96	67.98	33.99	0.15	24.0	0.0	1519.3	659.0
8	1.22	3.6	1.2	2319.73	102.07	51.03	0.15	24.0	0.0	2261.7	1004.5
9	0.68	4.7	0.7	1667.78	73.38	36.69	0.15	24.0	0.0	1622.4	618.6
10	0.82	5.6	0.8	2483.69	109.28	54.64	0.15	24.0	0.0	2415.4	815.2
11	0.72	6.6	0.7	2212.34	97.34	48.67	0.15	24.0	0.0	2143.8	722.1
12	0.85	7.5	0.9	2449.74	107.79	53.89	0.15	24.0	0.0	2362.1	824.5
13	0.85	8.6	0.9	2262.03	99.53	49.76	0.15	24.0	0.0	2167.8	795.1
14	0.85	9.6	0.9	8910.37	392.06	196.03	0.15	24.0	0.0	8727.6	1828.7
15	0.85	10.6	0.9	10269.08	451.84	225.92	0.15	24.0	0.0	10065.3	2040.7
16	0.85	11.7	0.9	10001.14	440.05	220.03	0.15	24.0	0.0	9799.1	2000.4
17	0.85	12.7	0.9	9706.01	427.06	213.53	0.15	24.0	4.6	9504.1	1955.8
18	0.85	13.8	0.9	9382.02	412.81	206.4	0.15	24.0	17.2	9175.1	1906.1
19	0.85	14.9	0.9	9031.38	397.38	198.69	0.15	24.0	25.8	8825.5	1853.2
20	0.85	15.9	0.9	7658.25	336.96	168.48	0.0	21.0	10.2	7656.9	1038.9

xc = 21.261 yc = 64.473 Rc = 59.398 Fs=1.546

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.27	9.2	0.3	73.1	3.22	1.61	0.0	21.0	0.0	71.2	17.7
2	0.26	9.5	0.3	207.87	9.15	4.57	0.0	21.0	0.0	202.4	50.3
3	0.28	9.8	0.3	300.99	13.24	6.62	0.0	21.0	0.0	292.9	72.7
4	0.27	10.0	0.3	297.53	13.09	6.55	0.0	21.0	0.0	289.4	71.9
5	0.27	10.3	0.3	304.25	13.39	6.69	0.0	21.0	0.0	295.9	73.5
6	0.18	10.5	0.2	206.62	9.09	4.55	0.0	21.0	0.0	200.9	49.9
7	0.36	10.8	0.4	408.6	17.98	8.99	0.0	21.0	0.0	397.2	98.6
8	0.27	11.1	0.3	298.12	13.12	6.56	0.0	21.0	0.0	289.7	71.9

9	0.37	11.4	0.4	396.22	17.43	8.72	0.0	21.0	0.0	384.9	95.6
10	0.17	11.7	0.2	170.81	7.52	3.76	0.0	21.0	0.0	165.9	41.2
11	0.27	11.9	0.3	247.38	10.88	5.44	0.0	21.0	0.0	240.2	59.7
12	0.27	12.2	0.3	215.59	9.49	4.74	0.0	21.0	0.0	209.3	52.0
13	0.29	12.4	0.3	196.29	8.64	4.32	0.0	21.0	0.0	190.6	47.3
14	0.25	12.7	0.3	139.73	6.15	3.07	0.0	21.0	0.0	135.6	33.7
15	0.27	13.0	0.3	125.84	5.54	2.77	0.0	21.0	0.0	122.2	30.3
16	0.27	13.2	0.3	98.15	4.32	2.16	0.0	21.0	0.0	95.3	23.7
17	0.21	13.5	0.2	57.22	2.52	1.26	0.0	21.0	0.0	55.5	13.8
18	0.33	13.8	0.3	61.31	2.7	1.35	0.0	21.0	0.0	59.5	14.8
19	0.27	14.1	0.3	29.61	1.3	0.65	0.0	21.0	0.0	28.7	7.1
20	0.27	14.3	0.3	10.04	0.44	0.22	0.0	21.0	0.0	9.7	2.4

xc = 30.284 yc = 66.065 Rc = 61.351 Fs=2.527

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.0	-0.6	1.0	490.18	21.57	10.78	0.0	21.0	204.6	286.0	43.4
2	1.01	0.4	1.02	132.17	93.82	46.91	0.0	21.0	400.9	1729.6	262.8
3	1.01	1.3	1.03	473.54	152.84	76.42	0.0	21.0	565.8	2898.4	440.3
4	1.01	2.3	1.03	759.43	165.41	82.71	0.0	21.0	714.1	3029.5	460.3
5	1.01	3.2	1.0	3789.1	166.72	83.36	0.15	24.0	833.8	2897.9	1108.9
6	1.01	4.1	1.03	684.98	162.14	81.07	0.15	24.0	948.8	2666.0	1068.7
7	1.01	5.1	1.03	670.03	161.48	80.74	0.15	24.0	1047.1	2540.2	1047.3
8	3.02	7.0	3.01	0548.96	464.15	232.08	0.15	24.0	3543.3	6692.8	2984.7
9	3.2	9.9	3.29	360.27	411.85	205.93	0.15	24.0	4030.8	4922.1	2793.5
10	0.83	11.8	0.82	390.39	105.18	52.59	0.15	24.0	1011.3	1257.4	724.1
11	1.01	12.7	1.02	985.94	131.38	65.69	0.15	24.0	1183.5	1644.3	902.1
12	1.01	13.7	1.03	198.17	140.72	70.36	0.15	24.0	1126.4	1901.3	949.7
13	1.01	14.6	1.0	3376.0	148.54	74.27	0.15	24.0	1051.1	2143.0	995.0
14	1.01	15.6	1.0	3528.3	155.25	77.62	0.15	24.0	957.5	2378.9	1039.4
15	2.01	17.1	2.16	180.17	271.93	135.96	0.15	24.0	1552.4	4228.4	1994.8
16	1.01	18.6	1.13	315.15	145.87	72.93	0.15	24.0	552.1	2552.1	1079.8
17	1.01	19.5	1.13	797.52	167.09	83.55	0.15	24.0	394.6	3186.7	1195.4
18	1.01	20.5	1.14	121.21	181.33	90.67	0.15	24.0	253.0	3650.8	1281.2
19	1.01	21.6	1.13	829.41	168.49	84.25	0.15	24.0	79.2	3532.6	1264.7
20	5.31	24.8	5.81	0744.6	472.76	236.38	0.0	21.0	0.0	11059.3	1680.2

xc = 33.291 yc = 64.473 Rc = 59.889 Fs=2.24

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	1.0	-3.5	1.0	534.35	23.51	11.76	0.0	21.0	228.0	310.1	53.1
2	1.01	-2.5	1.0	2270.6	99.91	49.95	0.0	21.0	475.7	1810.1	310.2
3	1.01	-1.5	1.0	3705.4	163.04	81.52	0.0	21.0	691.2	3029.2	519.1
4	1.01	-0.6	1.0	4092.45	180.07	90.03	0.15	24.0	889.6	3216.0	1313.1
5	1.01	0.4	1.0	4216.87	185.54	92.77	0.15	24.0	1059.0	3149.0	1299.7
6	1.01	1.4	1.0	4206.61	185.09	92.55	0.15	24.0	1223.4	2954.1	1261.2
7	1.01	2.3	1.0	4284.96	188.54	94.27	0.15	24.0	1370.7	2866.2	1244.1
8	3.02	4.3	3.0	12949.48	569.78	284.89	0.15	24.0	4806.7	7897.8	3596.9
9	7.04	9.1	7.1	29097.67	1280.3	640.15	0.15	24.0	13281.5	14780.6	7714.9
10	1.22	13.1	1.2	6268.36	275.81	137.9	0.15	24.0	2175.0	3830.8	1597.0
11	1.8	14.6	1.9	8760.01	385.44	192.72	0.15	24.0	3028.8	5321.6	2305.8
12	1.01	16.0	1.0	5220.29	229.69	114.85	0.15	24.0	1554.8	3417.4	1380.3
13	1.01	17.0	1.1	5796.82	255.06	127.53	0.15	24.0	1446.8	4085.0	1516.6
14	1.01	18.0	1.1	6215.43	273.48	136.74	0.15	24.0	1355.2	4584.0	1619.7
15	1.01	19.0	1.1	6019.36	264.85	132.43	0.15	24.0	1231.8	4509.3	1609.1
16	1.01	20.1	1.1	5617.54	247.17	123.59	0.15	24.0	1100.3	4239.4	1560.0
17	1.01	21.1	1.1	5120.85	225.32	112.66	0.15	24.0	948.2	3895.1	1496.4
18	1.01	22.1	1.1	4593.7	202.12	101.06	0.15	24.0	763.2	3552.2	1433.4
19	1.01	23.2	1.1	3997.98	175.91	87.96	0.15	24.0	568.8	3148.5	1358.7
20	8.46	28.3	9.6	11836.72	520.82	260.41	0.0	21.0	0.0	12306.9	2109.1

xc = 36.299 yc = 66.065 Rc = 61.597 Fs=2.029

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.75	-6.0	0.8	326.86	14.38	7.19	0.0	21.0	101.1	231.7	43.8
2	1.01	-5.2	1.0	2115.57	93.09	46.54	0.0	21.0	391.9	1761.3	333.2
3	1.01	-4.3	1.0	3640.5	160.18	80.09	0.0	21.0	656.1	3035.8	574.2
4	1.01	-3.3	1.0	4119.04	181.24	90.62	0.15	24.0	903.6	3307.0	1470.5
5	1.01	-2.4	1.0	4337.43	190.85	95.42	0.15	24.0	1122.4	3279.5	1463.8
6	1.01	-1.5	1.0	4421.95	194.57	97.28	0.15	24.0	1336.7	3123.1	1429.1
7	1.01	-0.5	1.0	4595.97	202.22	101.11	0.15	24.0	1534.4	3075.1	1418.4
8	3.02	1.3	3.0	14465.61	636.49	318.24	0.15	24.0	5604.7	8766.6	4155.0
9	8.87	6.9	8.9	47799.13	2103.16	1051.58	0.15	24.0	21874.8	24660.9	12010.6
10	1.2	11.6	1.2	7902.64	347.72	173.86	0.15	24.0	3027.9	4584.3	1908.6
11	1.01	12.7	1.0	7015.47	308.68	154.34	0.15	24.0	2499.6	4247.7	1694.1
12	1.01	13.6	1.0	7712.81	339.36	169.68	0.15	24.0	2455.2	4960.5	1853.5
13	1.01	14.6	1.0	8254.96	363.22	181.61	0.15	24.0	2428.7	5506.0	1976.4
14	1.01	15.6	1.0	8185.33	360.15	180.08	0.15	24.0	2371.8	5484.7	1975.3
15	1.01	16.5	1.0	7913.08	348.18	174.09	0.15	24.0	2308.5	5272.6	1932.5
16	1.01	17.5	1.1	7549.27	332.17	166.08	0.15	24.0	2226.3	4990.1	1874.6

17	1.01	18.5	1.1	7158.56	314.98	157.49	0.15	24.0	2113.2	4712.0	1818.0
18	3.02	20.5	3.2	18467.8	812.58	406.29	0.15	24.0	5556.8	11916.1	4996.0
19	9.49	26.9	10.6	46191.25	2032.42	1016.21	0.15	24.0	4475.2	38503.3	16314.7
20	2.07	33.1	2.5	2089.88	91.95	45.98	0.0	21.0	0.0	2220.2	419.9

xc = 42.314 yc = 66.065 Rc = 61.029 Fs=5.955

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.3	-10.6	0.3	116.54	5.13	2.56	0.0	21.0	0.0	120.0	7.7
2	1.01	-10.0	1.0	1170.93	51.52	25.76	0.0	21.0	0.0	1202.8	77.5
3	1.01	-9.1	1.0	1830.14	80.53	40.26	0.0	21.0	0.0	1872.5	120.7
4	1.01	-8.1	1.0	2224.59	97.88	48.94	0.0	21.0	0.0	2267.9	146.2
5	1.01	-7.2	1.0	2484.85	109.33	54.67	0.0	21.0	307.6	2212.2	142.6
6	1.01	-6.2	1.0	2834.46	124.72	62.36	0.0	21.0	606.1	2257.3	145.5
7	3.02	-4.3	3.0	10315.67	453.89	226.94	0.15	24.0	3420.5	7011.6	1286.7
8	11.07	2.3	11.1	63868.3	2810.21	1405.1	0.15	24.0	27489.3	36186.2	5495.6
9	2.01	8.5	2.0	19179.23	843.89	421.94	1.4	27.0	0.0	18442.7	6361.3
10	2.01	10.4	2.0	19931.32	876.98	438.49	1.4	27.0	0.0	19081.9	6442.6
11	3.02	12.8	3.1	28796.15	1267.03	633.52	1.4	27.0	0.0	27344.3	9617.2
12	2.01	15.2	2.1	17656.47	776.88	388.44	1.4	27.0	0.0	16577.5	6321.9
13	2.01	17.2	2.1	17041.05	749.81	374.9	1.4	27.0	0.0	15884.7	6311.9
14	2.01	19.2	2.1	16704.29	734.99	367.49	1.4	27.0	0.0	15482.3	6334.4
15	3.02	21.7	3.2	27211.71	1197.32	598.66	1.4	27.0	0.0	25383.1	9811.0
16	1.54	24.0	1.7	12975.37	570.92	285.46	1.4	27.0	0.0	11985.0	4982.9
17	1.48	25.6	1.6	10782.22	474.42	237.21	1.4	27.0	0.0	9707.8	4692.2
18	1.01	26.9	1.1	6671.71	293.56	146.78	1.4	27.0	0.0	5880.2	3155.7
19	1.27	28.1	1.4	7220.78	317.71	158.86	1.4	27.0	0.0	6095.8	3913.6
20	5.5	31.8	6.5	19298.73	849.14	424.57	0.15	24.0	0.0	20739.6	3182.0

xc = 45.322 yc = 64.473 Rc = 59.088 Fs=6.349

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.59	-12.1	0.6	115.83	5.1	2.55	0.0	21.0	0.0	120.0	7.3
2	1.01	-11.3	1.0	563.82	24.81	12.4	0.0	21.0	0.0	582.1	35.2
3	1.01	-10.3	1.0	931.75	41.0	20.5	0.0	21.0	0.0	957.7	57.9
4	1.01	-9.4	1.0	1387.17	61.04	30.52	0.0	21.0	0.0	1420.0	85.9
5	3.02	-7.4	3.0	6512.3	286.54	143.27	0.0	21.0	1408.2	5187.4	313.6

6	8.05	-2.0	8.13	3812.29	1487.74	743.87	0.15	24.0	15180.1	18755.8	3218.0
7	2.01	2.9	2.01	3664.45	601.24	300.62	0.15	24.0	5491.58	130.6	1046.2
8	2.01	4.8	2.01	6251.41	715.06	357.53	1.4	27.0	0.01	5824.8	5723.0
9	3.02	7.3	3.03	0230.55	1330.14	665.07	1.4	27.0	0.02	9316.9	9062.8
10	2.01	9.8	2.02	0399.33	897.57	448.79	1.4	27.0	0.01	9653.0	6079.6
11	1.84	11.7	1.91	8229.95	802.12	401.06	1.4	27.0	0.01	7471.4	5537.1
12	1.18	13.2	1.21	1224.85	493.89	246.95	1.4	27.0	0.01	0701.0	3535.1
13	1.01	14.3	1.09	491.06	417.61	208.8	1.4	27.0	0.0	9027.0	3013.5
14	1.01	15.3	1.09	661.54	425.11	212.55	1.4	27.0	0.0	9186.1	3036.9
15	1.01	16.3	1.09	685.61	426.17	213.08	1.4	27.0	0.0	9199.7	3049.5
16	1.01	17.3	1.11	0130.52	445.74	222.87	1.4	27.0	0.0	9645.7	3097.7
17	1.01	18.3	1.11	0697.36	470.68	235.34	1.4	27.0	0.01	0223.0	3157.4
18	1.01	19.3	1.11	0565.31	464.87	232.44	1.4	27.0	0.01	0087.8	3161.0
19	1.01	20.4	1.11	0506.75	462.3	231.15	1.4	27.0	0.01	0030.1	3171.8
20	12.7	27.9	14.49	8145.16	4318.39	2159.19	1.4	27.0	0.09	0438.0	38932.6

xc = 48.33 yc = 66.065 Rc = 60.095 Fs=5.683

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	2.15	-9.7	2.2	815.09	35.86	17.93	0.0	21.0	0.0	836.7	56.5
2	3.02	-7.2	3.04	052.66	178.32	89.16	0.0	21.0	1254.52	845.2	192.2
3	2.01	-4.8	2.05	535.56	243.56	121.78	0.15	24.0	2259.53	355.1	795.9
4	2.01	-2.9	2.08	707.07	383.11	191.56	0.15	24.0	3253.35	509.8	963.5
5	3.02	-0.5	3.01	7540.19	771.77	385.88	0.15	24.0	6402.11	1153.4	1670.6
6	2.01	1.9	2.01	4574.84	641.29	320.65	0.15	24.0	5094.99	443.2	1271.3
7	2.01	3.8	2.01	8460.32	812.25	406.13	1.4	27.0	0.01	8062.6	6588.0
8	2.01	5.7	2.01	9313.3	849.79	424.89	1.4	27.0	0.01	8741.3	6662.8
9	2.01	7.7	2.01	9663.41	865.19	432.59	1.4	27.0	0.01	8938.8	6700.3
10	2.01	9.6	2.01	9366.53	852.13	426.06	1.4	27.0	0.01	8510.0	6687.7
11	3.02	12.1	3.13	0195.52	1328.6	664.3	1.4	27.0	0.02	8703.1	10177.5
12	2.01	14.5	2.12	2866.26	1006.12	503.06	1.4	27.0	0.02	1788.6	7074.6
13	2.01	16.5	2.12	2931.06	1008.97	504.48	1.4	27.0	0.02	1805.1	7125.7
14	1.81	18.4	1.92	0744.17	912.74	456.37	1.4	27.0	0.01	9709.1	6471.5
15	1.21	19.9	1.31	2929.93	568.92	284.46	1.4	27.0	0.01	2210.0	4257.3
16	1.01	21.1	1.11	0501.18	462.05	231.03	1.4	27.0	0.0	9888.6	3542.9
17	1.27	22.2	1.41	2477.16	548.99	274.5	1.4	27.0	0.01	1667.2	4433.1
18	1.22	23.5	1.31	0745.03	472.78	236.39	1.4	27.0	0.0	9904.3	4168.6
19	0.68	24.5	0.85	874.57	258.48	129.24	1.4	27.0	0.0	5392.8	2332.7
20	7.95	29.2	9.18	4239.21	3706.53	1853.26	1.4	27.0	0.07	9955.9	29618.3

xc = 69.383 yc = 64.473 Rc = 49.307 Fs=4.047

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.27	4.4	0.3	63.48	2.79	1.4	0.0	21.0	0.0	63.2	6.0
2	0.27	4.8	0.3	197.93	8.71	4.35	0.0	21.0	0.0	197.1	18.7
3	0.26	5.1	0.3	248.03	10.91	5.46	0.0	21.0	0.0	246.9	23.4
4	0.27	5.4	0.3	254.61	11.2	5.6	0.15	24.0	0.0	243.9	125.8
5	0.29	5.7	0.3	278.34	12.25	6.12	0.15	24.0	0.0	265.9	138.5
6	0.27	6.0	0.3	262.52	11.55	5.78	0.15	24.0	0.0	250.5	127.7
7	0.24	6.3	0.2	232.27	10.22	5.11	0.15	24.0	0.0	221.3	112.2
8	0.27	6.6	0.3	248.53	10.94	5.47	0.15	24.0	0.0	235.7	125.1
9	0.27	6.9	0.3	233.42	10.27	5.14	0.15	24.0	0.0	220.1	123.5
10	0.27	7.2	0.3	217.56	9.57	4.79	0.15	24.0	0.0	203.8	121.8
11	0.27	7.5	0.3	200.97	8.84	4.42	0.15	24.0	0.0	186.8	120.0
12	0.27	7.9	0.3	183.27	8.06	4.03	0.15	24.0	0.0	168.7	118.0
13	0.27	8.2	0.3	164.45	7.24	3.62	0.15	24.0	0.0	149.5	116.0
14	0.27	8.5	0.3	144.89	6.38	3.19	0.15	24.0	0.0	129.5	113.9
15	0.27	8.8	0.3	698.55	30.74	15.37	0.15	24.0	0.0	679.9	174.5
16	0.27	9.1	0.3	2762.45	121.55	60.77	0.15	24.0	0.0	2733.5	400.5
17	0.27	9.4	0.3	2740.63	120.59	60.29	0.15	24.0	0.0	2712.0	398.2
18	0.27	9.7	0.3	2718.06	119.59	59.8	0.15	24.0	0.0	2689.9	395.9
19	0.27	10.1	0.3	2694.74	118.57	59.28	0.15	24.0	0.0	2667.0	393.5
20	0.27	10.4	0.3	1670.99	73.52	36.76	0.0	21.0	0.0	1669.7	158.4

xc = 24.268 yc = 69.248 Rc = 64.275 Fs=1.828

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.55	5.5	0.6	323.78	14.25	7.12	0.0	21.0	0.0	318.8	66.9
2	0.45	6.0	0.4	729.11	32.08	16.04	0.0	21.0	0.0	717.3	150.6
3	0.66	6.5	0.7	1437.3	63.24	31.62	0.0	21.0	0.0	1412.8	296.7
4	0.34	6.9	0.3	781.81	34.4	17.2	0.0	21.0	0.0	768.0	161.3
5	1.01	7.5	1.0	2331.46	102.58	51.29	0.0	21.0	0.0	2288.2	480.5
6	0.31	8.1	0.3	712.03	31.33	15.66	0.0	21.0	0.0	698.3	146.6
7	0.69	8.6	0.7	1467.37	64.56	32.28	0.0	21.0	0.0	1438.4	302.0
8	0.42	9.1	0.4	814.04	35.82	17.91	0.0	21.0	0.0	797.6	167.5
9	0.59	9.5	0.6	1081.32	47.58	23.79	0.0	21.0	0.0	1059.1	222.4
10	0.52	10.0	0.5	894.1	39.34	19.67	0.0	21.0	0.0	875.5	183.8
11	0.49	10.5	0.5	807.76	35.54	17.77	0.0	21.0	0.0	790.7	166.0
12	0.62	11.0	0.6	964.07	42.42	21.21	0.0	21.0	0.0	943.6	198.1
13	0.38	11.5	0.4	550.83	24.24	12.12	0.0	21.0	0.0	539.1	113.2

14	0.72	12.0	0.7	900.49	39.62	19.81	0.0	21.0	0.0	881.3	185.0
15	0.55	12.5	0.6	547.11	24.07	12.04	0.0	21.0	0.0	535.5	112.4
16	0.73	13.1	0.8	559.3	24.61	12.3	0.0	21.0	0.0	547.5	115.0
17	0.38	13.6	0.4	205.7	9.05	4.53	0.0	21.0	0.0	201.4	42.3
18	0.63	14.1	0.7	206.9	9.1	4.55	0.0	21.0	0.0	202.6	42.6
19	0.48	14.6	0.5	69.61	3.06	1.53	0.0	21.0	0.0	68.2	14.3
20	0.55	15.1	0.6	29.84	1.31	0.66	0.0	21.0	0.0	29.2	6.1

xc = 27.276 yc = 67.657 Rc = 62.813 Fs=2.015

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.69	2.3	0.7	211.91	9.32	4.66	0.0	21.0	34.3	176.4	33.6
2	1.01	3.1	1.01	720.73	75.71	37.86	0.0	21.0	178.5	1528.7	291.1
3	1.01	4.0	1.02	972.83	130.8	65.4	0.0	21.0	295.2	2648.7	504.5
4	1.01	5.0	1.03	169.98	139.48	69.74	0.0	21.0	395.5	2739.6	521.8
5	1.01	5.9	1.03	104.11	136.58	68.29	0.0	21.0	467.5	2599.6	495.1
6	1.01	6.8	1.02	905.38	127.84	63.92	0.0	21.0	534.9	2334.2	444.6
7	1.01	7.7	1.02	796.99	123.07	61.53	0.0	21.0	585.8	2175.2	414.3
8	1.01	8.7	1.0	2695.0	118.58	59.29	0.0	21.0	620.1	2039.7	388.5
9	2.01	10.0	2.04	598.62	202.34	101.17	0.15	24.0	1267.8	2995.9	2182.8
10	1.01	11.4	1.0	1850.8	81.44	40.72	0.15	24.0	609.5	1064.1	999.1
11	1.01	12.4	1.01	623.51	71.43	35.72	0.15	24.0	563.8	874.2	959.8
12	1.01	13.3	1.01	493.45	65.71	32.86	0.15	24.0	512.6	784.6	942.9
13	1.01	14.3	1.0	1395.1	61.38	30.69	0.15	24.0	443.8	743.2	936.9
14	1.01	15.2	1.01	393.74	61.32	30.66	0.0	21.0	345.2	1033.1	196.8
15	1.01	16.2	1.01	518.81	66.83	33.41	0.0	21.0	240.6	1261.2	240.2
16	1.01	17.1	1.11	610.01	70.84	35.42	0.0	21.0	117.7	1475.1	280.9
17	3.02	19.1	3.24	312.23	189.74	94.87	0.0	21.0	0.0	4280.8	815.3
18	3.31	22.2	3.65	678.31	249.85	124.92	0.0	21.0	0.0	5689.8	1083.7
19	0.71	24.1	0.8	999.59	43.98	21.99	0.0	21.0	0.0	1009.3	192.2
20	1.85	25.4	2.11	011.38	44.5	22.25	0.0	21.0	0.0	1026.9	195.6

xc = 30.284 yc = 69.248 Rc = 64.521 Fs=2.51

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	-0.5	1.0	465.81	20.5	10.25	0.0	21.0	186.8	279.4	42.7
2	1.01	0.4	1.02	107.29	92.72	46.36	0.0	21.0	387.4	1718.2	262.8

3	1.01	1.3	1.03450.02	151.8	75.9	0.0	21.0	553.1	2887.9	441.7
4	1.01	2.1	1.03738.79	164.51	82.25	0.0	21.0	703.0	3020.6	462.0
5	1.01	3.0	1.0 3772.4	165.99	82.99	0.15	24.0	825.0	2892.3	1115.4
6	1.01	3.9	1.03674.38	161.67	80.84	0.15	24.0	943.2	2663.6	1075.4
7	1.01	4.8	1.03667.09	161.35	80.68	0.15	24.0	1045.5	2541.8	1054.5
8	3.02	6.6	3.010600.68	466.43	233.21	0.15	24.0	3570.5	6727.6	3010.0
9	4.02	9.8	4.112036.04	529.59	264.79	0.15	24.0	5210.9	6311.4	3561.0
10	1.23	12.2	1.33801.14	167.25	83.62	0.15	24.0	1518.4	2093.5	1121.1
11	0.79	13.1	0.8 2638.3	116.09	58.04	0.15	24.0	937.3	1569.5	761.0
12	1.01	13.9	1.03542.99	155.89	77.95	0.15	24.0	1139.0	2225.5	1014.4
13	1.01	14.8	1.03722.53	163.79	81.9	0.15	24.0	1059.7	2473.7	1061.0
14	2.01	16.2	2.16658.36	292.97	146.48	0.15	24.0	1804.1	4461.0	2044.1
15	1.01	17.6	1.13604.13	158.58	79.29	0.15	24.0	704.2	2690.7	1108.4
16	1.01	18.6	1.14122.72	181.4	90.7	0.15	24.0	565.7	3340.2	1227.0
17	1.01	19.5	1.14485.13	197.35	98.67	0.15	24.0	444.5	3820.5	1315.8
18	1.01	20.4	1.14234.65	186.32	93.16	0.15	24.0	292.5	3721.7	1302.2
19	1.01	21.4	1.1 3780.2	166.33	83.16	0.15	24.0	133.3	3425.7	1253.7
20	5.44	24.5	6.010403.26	457.74	228.87	0.0	21.0	0.0	10689.8	1635.1

xc = 36.299 yc = 69.248 Rc = 64.767 Fs=2.137

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.76	-5.8	0.8 331.71	14.6	7.3	0.0	21.0	104.6	232.5	41.8	
2	1.01	-5.0	1.02114.02	93.02	46.51	0.0	21.0	391.1	1756.9	315.6	
3	1.01	-4.1	1.03631.27	159.78	79.89	0.0	21.0	651.1	3026.5	543.7	
4	1.01	-3.2	1.04103.24	180.54	90.27	0.15	24.0	895.2	3290.5	1393.1	
5	1.01	-2.3	1.04316.88	189.94	94.97	0.15	24.0	1111.6	3263.4	1387.0	
6	1.01	-1.4	1.0 4398.2	193.52	96.76	0.15	24.0	1324.2	3108.1	1354.3	
7	1.01	-0.5	1.04570.57	201.11	100.55	0.15	24.0	1521.0	3061.7	1344.4	
8	3.02	1.3	3.014393.35	633.31	316.65	0.15	24.0	5566.6	8741.6	3941.2	
9	10.06	7.1	10.156322.95	2478.21	1239.11	0.15	24.0	25273.1	29635.1	13293.6	
10	2.01	12.5	2.114529.75	639.31	319.65	0.15	24.0	5071.1	8954.0	3312.8	
11	2.01	14.3	2.116798.28	739.12	369.56	0.15	24.0	4993.8	11214.3	3794.9	
12	2.01	16.2	2.115825.56	696.32	348.16	0.15	24.0	4777.7	10445.3	3647.5	
13	2.01	18.0	2.114396.77	633.46	316.73	0.15	24.0	4443.5	9349.5	3434.0	
14	2.01	19.9	2.112363.37	543.99	271.99	0.15	24.0	3938.9	7825.2	3133.2	
15	2.01	21.8	2.210985.35	483.36	241.68	0.15	24.0	3282.9	7095.6	3000.4	
16	3.02	24.2	3.316027.09	705.19	352.6	0.15	24.0	3388.2	11715.4	4765.4	
17	2.01	26.7	2.39817.43	431.97	215.98	0.15	24.0	951.2	8263.2	3303.3	
18	1.26	28.3	1.45466.09	240.51	120.25	0.15	24.0	0.0	5094.6	2068.9	
19	1.76	29.9	2.05130.72	225.75	112.88	0.15	24.0	0.0	4555.2	2370.6	
20	2.49	32.1	2.93496.11	153.83	76.91	0.15	24.0	0.0	2504.4	2587.8	

xc = 39.307 yc = 67.657 Rc = 62.97 Fs=6.251

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.93	-7.8	0.9	1090.31	47.97	23.99	0.0	21.0	0.0	1109.9	68.2
2	1.01	-6.9	1.0	2694.88	118.57	59.29	0.0	21.0	144.9	2588.1	158.9
3	1.01	-6.0	1.0	3252.05	143.09	71.55	0.0	21.0	439.9	2846.2	174.8
4	1.01	-5.1	1.0	3546.98	156.07	78.03	0.15	24.0	706.4	2891.9	448.4
5	1.01	-4.2	1.0	3722.43	163.79	81.89	0.15	24.0	968.5	2793.5	441.1
6	1.01	-3.3	1.0	3987.86	175.47	87.73	0.15	24.0	1214.3	2803.2	441.5
7	3.02	-1.4	3.0	13194.73	580.57	290.28	0.15	24.0	4935.8	8294.4	1315.3
8	10.06	4.5	10.1	58070.43	2555.1	1277.55	0.15	24.0	26192.9	31606.9	4673.2
9	2.01	10.1	2.0	15978.27	703.04	351.52	1.4	27.0	0.0	15195.8	5816.0
10	2.01	11.9	2.1	18724.12	823.86	411.93	1.4	27.0	0.0	17856.7	6061.9
11	2.01	13.8	2.1	18226.94	801.99	400.99	1.4	27.0	0.0	17282.5	6049.8
12	2.01	15.7	2.1	17218.5	757.61	378.81	1.4	27.0	0.0	16198.7	6002.0
13	3.02	18.1	3.2	22777.32	1002.2	501.1	1.4	27.0	0.0	21077.0	8830.2
14	2.01	20.5	2.1	14607.76	642.74	321.37	1.4	27.0	0.0	13387.8	5903.5
15	2.01	22.5	2.2	15527.11	683.19	341.6	1.4	27.0	0.0	14303.1	6043.7
16	2.01	24.5	2.2	14129.78	621.71	310.86	1.4	27.0	0.0	12795.7	5995.3
17	3.02	27.0	3.4	17496.71	769.86	384.93	1.4	27.0	0.0	15140.4	8823.7
18	2.28	29.8	2.6	9072.06	399.17	199.59	0.15	24.0	27.8	9665.3	1318.4
19	1.35	31.7	1.6	2774.22	122.07	61.03	0.15	24.0	0.0	2897.2	588.1
20	2.25	33.6	2.7	2882.17	126.82	63.41	0.15	24.0	0.0	2892.9	855.2

xc = 42.314 yc = 69.248 Rc = 63.977 Fs=6.293

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.17	-10.1	0.2	36.25	1.59	0.8	0.0	21.0	0.0	37.2	2.3
2	1.01	-9.6	1.0	813.2	35.78	17.89	0.0	21.0	0.0	833.2	50.8
3	1.01	-8.6	1.0	1457.51	64.13	32.07	0.0	21.0	0.0	1488.0	90.8
4	1.01	-7.7	1.0	1838.66	80.9	40.45	0.0	21.0	0.0	1871.0	114.1
5	1.01	-6.8	1.0	2087.16	91.84	45.92	0.0	21.0	92.7	2023.5	123.4
6	1.01	-5.9	1.0	2426.54	106.77	53.38	0.0	21.0	385.6	2064.9	126.0
7	3.02	-4.1	3.0	9009.52	396.42	198.21	0.15	24.0	2733.0	6376.9	1172.6
8	11.07	2.2	11.1	58959.89	2594.24	1297.12	0.15	24.0	24905.9	33884.7	5037.7
9	2.01	8.1	2.0	18232.11	802.21	401.11	1.4	27.0	0.0	17570.5	5944.8
10	3.02	10.4	3.1	28307.45	1245.53	622.76	1.4	27.0	0.0	27126.0	9023.6

11	2.01	12.7	2.11	8173.76	799.65	399.82	1.4	27.0	0.01	7281.1	5988.1
12	2.01	14.5	2.11	7038.82	749.71	374.85	1.4	27.0	0.01	6066.1	5925.8
13	3.02	16.9	3.22	5137.27	1106.04	553.02	1.4	27.0	0.02	3561.1	8925.3
14	2.01	19.2	2.11	8448.33	811.73	405.86	1.4	27.0	0.01	7393.2	6150.2
15	2.01	21.2	2.21	7671.94	777.57	388.78	1.4	27.0	0.01	6572.0	6142.5
16	3.02	23.6	3.32	4046.37	1058.04	529.02	1.4	27.0	0.02	2252.2	9130.2
17	2.28	26.2	2.51	4722.01	647.77	323.88	1.4	27.0	0.01	3105.0	6712.0
18	1.9	28.3	2.2	8251.75	363.08	181.54	1.4	27.0	0.0	6497.4	5337.6
19	1.82	30.2	2.1	6841.17	301.01	150.51	0.15	24.0	0.0	7322.8	1021.3
20	2.34	32.4	2.81	0066.82	442.94	221.47	0.15	24.0	0.01	1011.2	1439.0

xc = 48.33 yc = 69.248 Rc = 63.042 Fs=6.078

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.14	-8.8	1.2	227.7	10.02	5.01	0.0	21.0	0.0	232.7	14.7
2	1.01	-7.8	1.0	544.58	23.96	11.98	0.0	21.0	0.0	554.5	35.0
3	1.01	-6.9	1.0	954.23	41.99	20.99	0.0	21.0	203.7	761.8	48.1
4	1.01	-6.0	1.01	465.77	64.49	32.25	0.15	24.0	498.0	1007.0	323.5
5	1.01	-5.1	1.02	026.02	89.14	44.57	0.15	24.0	775.9	1285.5	343.5
6	1.01	-4.1	1.02	685.48	118.16	59.08	0.15	24.0	1025.4	1691.5	372.9
7	1.01	-3.2	1.03	472.23	152.78	76.39	0.15	24.0	1270.6	2228.4	412.0
8	1.01	-2.3	1.04	228.14	186.04	93.02	0.15	24.0	1499.6	2749.0	449.9
9	3.02	-0.5	3.01	6189.04	712.32	356.16	0.15	24.0	5691.0	10511.3	1515.1
10	11.07	5.9	11.11	01905.6	4483.85	2241.92	1.4	27.0	0.09	8922.5	33927.3
11	2.01	11.9	2.11	9744.71	868.77	434.38	1.4	27.0	0.01	8845.1	6318.1
12	3.02	14.3	3.13	3634.2	1479.91	739.95	1.4	27.0	0.03	2192.8	9874.6
13	2.01	16.7	2.12	3132.22	1017.82	508.91	1.4	27.0	0.02	2142.2	6695.2
14	2.01	18.6	2.12	1406.17	941.87	470.94	1.4	27.0	0.02	0365.3	6598.1
15	2.28	20.7	2.42	3052.83	1014.32	507.16	1.4	27.0	0.02	1831.7	7440.4
16	1.9	22.7	2.11	6290.35	716.78	358.39	1.4	27.0	0.01	5138.6	6023.2
17	1.87	24.6	2.11	5633.65	687.88	343.94	1.4	27.0	0.01	4474.2	5940.4
18	2.2	26.6	2.52	0905.82	919.86	459.93	1.4	27.0	0.01	9717.2	7317.6
19	2.2	28.9	2.53	0810.52	1355.66	677.83	1.4	27.0	0.03	0582.6	8347.3
20	2.2	31.2	2.62	3825.87	1048.34	524.17	1.4	27.0	0.02	3095.8	7856.0

xc = 66.376 yc = 69.248 Rc = 54.74 Fs=3.496

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

-											
1	0.68	0.7	0.7	60.23	2.65	1.33	0.0	21.0	0.0	60.1	6.6
2	0.55	1.4	0.5	88.56	3.9	1.95	0.0	21.0	0.0	88.4	9.7
3	0.62	2.0	0.6	80.0	3.52	1.76	0.0	21.0	0.0	79.7	8.8
4	0.85	2.8	0.8	299.58	13.18	6.59	0.0	21.0	0.0	298.4	32.8
5	0.38	3.4	0.4	221.4	9.74	4.87	0.0	21.0	0.0	220.4	24.2
6	0.62	3.9	0.6	454.26	19.99	9.99	0.0	21.0	0.0	451.9	49.6
7	0.61	4.6	0.6	488.5	21.49	10.75	0.0	21.0	0.0	485.8	53.3
8	0.66	5.2	0.7	498.4	21.93	10.96	0.0	21.0	0.0	495.5	54.4
9	0.57	5.9	0.6	380.22	16.73	8.36	0.15	24.0	0.0	352.3	290.2
10	0.65	6.5	0.7	358.86	15.79	7.89	0.15	24.0	0.0	324.2	323.0
11	0.68	7.2	0.7	728.4	32.05	16.02	0.15	24.0	0.0	685.7	382.7
12	0.82	8.0	0.8	1309.9	57.64	28.82	0.15	24.0	0.0	1250.5	513.2
13	0.31	8.6	0.3	492.48	21.67	10.83	0.15	24.0	0.0	468.5	195.0
14	0.62	9.1	0.6	921.41	40.54	20.27	0.15	24.0	0.0	872.4	378.8
15	0.62	9.8	0.6	806.06	35.47	17.73	0.15	24.0	0.0	755.2	364.4
16	0.62	10.4	0.6	680.43	29.94	14.97	0.15	24.0	0.0	627.7	348.7
17	0.62	11.1	0.6	2556.87	112.5	56.25	0.15	24.0	0.0	2490.6	586.5
18	0.62	11.7	0.6	6558.45	288.57	144.29	0.15	24.0	0.0	6471.2	1094.1
19	0.62	12.4	0.6	6404.88	281.81	140.91	0.15	24.0	0.0	6321.3	1075.7
20	0.62	13.1	0.6	5242.7	230.68	115.34	0.15	24.0	0.0	5166.3	929.3

xc = 21.261 yc = 70.84 Rc = 65.737 Fs=1.646

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Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
-											
1	0.32	8.3	0.3	104.46	4.6	2.3	0.0	21.0	0.0	102.1	23.8
2	0.25	8.6	0.3	227.97	10.03	5.02	0.0	21.0	0.0	222.7	52.0
3	0.39	8.9	0.4	462.26	20.34	10.17	0.0	21.0	0.0	451.4	105.3
4	0.32	9.2	0.3	395.37	17.4	8.7	0.0	21.0	0.0	386.0	90.0
5	0.29	9.4	0.3	370.01	16.28	8.14	0.0	21.0	0.0	361.1	84.2
6	0.35	9.7	0.4	446.66	19.65	9.83	0.0	21.0	0.0	435.8	101.6
7	0.32	10.0	0.3	402.25	17.7	8.85	0.0	21.0	0.0	392.3	91.5
8	0.33	10.3	0.3	407.05	17.91	8.96	0.0	21.0	0.0	396.9	92.6
9	0.31	10.6	0.3	358.94	15.79	7.9	0.0	21.0	0.0	349.9	81.6
10	0.32	10.9	0.3	331.26	14.58	7.29	0.0	21.0	0.0	322.8	75.3
11	0.37	11.2	0.4	331.4	14.58	7.29	0.0	21.0	0.0	322.9	75.3
12	0.27	11.5	0.3	209.81	9.23	4.62	0.0	21.0	0.0	204.4	47.7
13	0.32	11.7	0.3	217.38	9.56	4.78	0.0	21.0	0.0	211.8	49.4
14	0.41	12.1	0.4	227.37	10.0	5.0	0.0	21.0	0.0	221.5	51.7
15	0.23	12.4	0.2	106.27	4.68	2.34	0.0	21.0	0.0	103.5	24.1
16	0.32	12.6	0.3	128.91	5.67	2.84	0.0	21.0	0.0	125.5	29.3
17	0.45	13.0	0.5	142.79	6.28	3.14	0.0	21.0	0.0	139.1	32.4
18	0.19	13.2	0.2	45.31	1.99	1.0	0.0	21.0	0.0	44.1	10.3

19	0.32	13.5	0.3	50.11	2.2	1.1	0.0	21.0	0.0	48.8	11.4
20	0.32	13.8	0.3	16.96	0.75	0.37	0.0	21.0	0.0	16.5	3.9

xc = 24.268 yc = 72.432 Rc = 67.445 Fs=1.862

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.6	5.3	0.6	375.32	16.51	8.26	0.0	21.0	0.0	369.9	76.3
2	0.4	5.7	0.4	680.9	29.96	14.98	0.0	21.0	0.0	670.5	138.2
3	1.01	6.3	1.02	2232.85	98.25	49.12	0.0	21.0	0.0	2196.3	452.8
4	0.38	6.9	0.4	877.97	38.63	19.32	0.0	21.0	0.0	862.8	177.9
5	0.63	7.3	0.61	1476.66	64.97	32.49	0.0	21.0	0.0	1450.3	299.0
6	0.56	7.9	0.61	1274.89	56.1	28.05	0.0	21.0	0.0	1251.4	258.0
7	0.44	8.3	0.4	941.02	41.41	20.7	0.0	21.0	3.2	920.1	189.7
8	1.01	8.9	1.01	946.97	85.67	42.83	0.0	21.0	16.9	1892.5	390.2
9	0.34	9.5	0.3	605.16	26.63	13.31	0.0	21.0	9.2	584.1	120.4
10	0.67	9.9	0.71	163.18	51.18	25.59	0.0	21.0	16.5	1123.6	231.6
11	0.52	10.4	0.5	857.69	37.74	18.87	0.0	21.0	13.0	827.4	170.6
12	0.48	10.9	0.5	740.74	32.59	16.3	0.0	21.0	6.7	719.0	148.2
13	0.71	11.4	0.7	952.6	41.91	20.96	0.0	21.0	2.8	930.3	191.8
14	0.6	12.0	0.6	653.38	28.75	14.37	0.0	21.0	0.0	639.9	131.9
15	0.71	12.5	0.7	625.69	27.53	13.77	0.0	21.0	0.0	612.9	126.4
16	0.48	13.0	0.5	320.44	14.1	7.05	0.0	21.0	0.0	313.9	64.7
17	0.52	13.5	0.5	237.25	10.44	5.22	0.0	21.0	0.0	232.5	47.9
18	0.67	14.0	0.7	196.03	8.63	4.31	0.0	21.0	0.0	192.2	39.6
19	0.34	14.4	0.3	72.52	3.19	1.6	0.0	21.0	0.0	71.1	14.7
20	0.85	15.0	0.9	82.05	3.61	1.81	0.0	21.0	0.0	80.5	16.6

xc = 30.284 yc = 72.432 Rc = 67.691 Fs=2.539

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.95	-0.5	1.0	442.06	19.45	9.73	0.0	21.0	169.6	272.8	41.2
2	1.01	0.3	1.02	2082.42	91.63	45.81	0.0	21.0	374.0	1706.9	258.0
3	1.01	1.2	1.03	2426.38	150.76	75.38	0.0	21.0	540.3	2877.6	435.0
4	1.01	2.0	1.03	3717.77	163.58	81.79	0.0	21.0	691.6	3011.8	455.3
5	1.01	2.9	1.0	3754.9	165.22	82.61	0.15	24.0	815.8	2887.1	1101.4
6	1.01	3.8	1.03	3662.38	161.14	80.57	0.15	24.0	936.9	2661.6	1062.4
7	1.01	4.6	1.03	3662.05	161.13	80.57	0.15	24.0	1042.9	2543.7	1042.4

8	3.02	6.3	3.0	10640.28	468.17	234.09	0.15	24.0	3591.3	6762.1	2979.8
9	5.03	9.8	5.1	15260.64	671.47	335.73	0.15	24.0	6664.8	7962.9	4412.0
10	1.18	12.4	1.2	4105.14	180.63	90.31	0.15	24.0	1479.1	2437.2	1142.1
11	0.83	13.3	0.9	3055.1	134.42	67.21	0.15	24.0	997.7	1915.4	840.3
12	1.01	14.1	1.0	3895.19	171.39	85.69	0.15	24.0	1150.6	2562.9	1062.3
13	2.01	15.4	2.1	7084.04	311.7	155.85	0.15	24.0	2028.1	4678.1	2053.6
14	1.01	16.8	1.1	3861.58	169.91	84.95	0.15	24.0	839.7	2820.1	1115.3
15	1.01	17.7	1.1	4412.47	194.15	97.07	0.15	24.0	718.2	3483.9	1234.7
16	1.01	18.6	1.1	4809.35	211.61	105.81	0.15	24.0	615.2	3979.5	1324.8
17	1.01	19.5	1.1	4595.6	202.21	101.1	0.15	24.0	482.5	3898.1	1313.9
18	1.01	20.4	1.1	4180.24	183.93	91.97	0.15	24.0	343.8	3621.2	1269.0
19	1.01	21.3	1.1	3674.32	161.67	80.83	0.15	24.0	186.9	3270.8	1211.4
20	6.33	24.7	7.0	8615.82	379.1	189.55	0.0	21.0	0.0	8865.8	1340.3

xc = 33.291 yc = 70.84 Rc = 66.229 Fs=2.32

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.97	-3.1	1.0	504.22	22.19	11.09	0.0	21.0	207.3	300.0	49.6
2	1.01	-2.3	1.0	2230.68	98.15	49.08	0.0	21.0	454.1	1789.6	296.1
3	1.01	-1.4	1.0	3659.19	161.0	80.5	0.0	21.0	666.2	3005.9	497.4
4	1.01	-0.5	1.0	4041.63	177.83	88.92	0.15	24.0	862.8	3190.2	1262.9
5	1.01	0.4	1.0	4165.79	183.29	91.65	0.15	24.0	1032.1	3125.9	1250.5
6	1.01	1.2	1.0	4158.34	182.97	91.48	0.15	24.0	1198.0	2935.0	1214.0
7	1.01	2.1	1.0	4242.62	186.68	93.34	0.15	24.0	1348.4	2852.2	1198.4
8	3.02	3.8	3.0	12886.16	566.99	283.5	0.15	24.0	4773.4	7897.7	3471.9
9	8.05	8.7	8.1	34648.91	1524.55	762.28	0.15	24.0	15620.5	17920.2	8704.3
10	2.01	13.1	2.1	10326.5	454.37	227.18	0.15	24.0	3734.7	6181.1	2522.2
11	2.01	14.9	2.1	11394.98	501.38	250.69	0.15	24.0	3421.3	7509.5	2787.6
12	2.01	16.7	2.1	13321.23	586.13	293.07	0.15	24.0	3163.7	9642.0	3209.0
13	2.01	18.5	2.1	12003.04	528.13	264.07	0.15	24.0	2765.8	8721.3	3046.1
14	2.01	20.4	2.1	10224.34	449.87	224.94	0.15	24.0	2247.5	7461.9	2820.1
15	2.01	22.2	2.2	7835.3	344.75	172.38	0.15	24.0	1555.7	5757.6	2510.8
16	2.01	24.1	2.2	6094.43	268.16	134.08	0.15	24.0	708.7	4846.0	2355.9
17	2.01	26.1	2.2	4604.8	202.61	101.31	0.15	24.0	0.0	4038.6	2223.5
18	1.01	27.5	1.1	2843.99	125.14	62.57	0.15	24.0	0.0	2567.9	1226.4
19	1.94	29.0	2.2	3900.82	171.64	85.82	0.0	21.0	0.0	4084.5	675.9
20	1.95	30.9	2.3	2098.3	92.33	46.16	0.0	21.0	0.0	2225.2	368.2

xc = 36.299 yc = 72.432 Rc = 67.859 Fs=2.126

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.64	-5.4	0.6	232.27	10.22	5.11	0.0	21.0	50.3	185.9	33.6
2	1.01	-4.7	1.01	964.53	86.44	43.22	0.0	21.0	310.3	1685.2	304.2
3	1.01	-3.9	1.03	474.98	152.9	76.45	0.0	21.0	566.6	2951.3	532.8
4	1.01	-3.0	1.03	937.16	173.23	86.62	0.15	24.0	807.8	3207.1	1382.4
5	1.01	-2.2	1.04	146.59	182.45	91.23	0.15	24.0	1022.0	3179.5	1376.1
6	1.01	-1.3	1.04	225.09	185.9	92.95	0.15	24.0	1233.1	3024.2	1343.3
7	1.01	-0.5	1.0	4396.0	193.42	96.71	0.15	24.0	1429.2	2978.3	1333.5
8	3.02	1.2	3.01	3873.04	610.41	305.21	0.15	24.0	5292.8	8499.6	3909.7
9	10.06	6.8	10.15	5007.05	2420.31	1210.16	0.15	24.0	24580.6	29069.6	13234.8
10	2.01	11.9	2.11	4453.31	635.95	317.97	0.15	24.0	5030.9	8929.2	3320.6
11	2.01	13.7	2.11	6809.83	739.63	369.82	0.15	24.0	4999.8	11227.4	3811.9
12	3.02	15.9	3.12	3620.87	1039.32	519.66	0.15	24.0	7191.2	15527.3	5465.0
13	1.24	17.7	1.38	795.09	386.98	193.49	0.15	24.0	2739.7	5682.5	2110.5
14	1.78	19.1	1.91	1146.49	490.45	245.22	0.15	24.0	3614.7	7003.9	2791.9
15	1.01	20.3	1.15	851.94	257.49	128.74	0.15	24.0	1859.2	3691.2	1529.9
16	1.01	21.2	1.15	752.78	253.12	126.56	0.15	24.0	1690.9	3756.2	1548.0
17	1.01	22.1	1.15	516.15	242.71	121.36	0.15	24.0	1516.2	3692.1	1539.4
18	1.01	23.1	1.15	709.27	251.21	125.6	0.15	24.0	1322.5	4076.0	1625.0
19	1.01	24.0	1.16	033.27	265.46	132.73	0.15	24.0	1097.6	4625.6	1745.5
20	8.29	28.4	9.42	9867.45	1314.17	657.08	0.15	24.0	0.0	27270.4	12364.2

xc = 39.307 yc = 70.84 Rc = 65.918 Fs=4.979

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.78	-7.4	0.8	760.21	33.45	16.72	0.0	21.0	0.0	774.4	59.7
2	1.01	-6.6	1.02	294.87	100.97	50.49	0.0	21.0	0.0	2331.2	179.7
3	1.01	-5.8	1.02	842.39	125.07	62.53	0.0	21.0	218.4	2657.9	204.9
4	1.01	-4.9	1.03	128.24	137.64	68.82	0.0	21.0	480.5	2674.9	206.2
5	1.01	-4.0	1.03	286.22	144.59	72.3	0.15	24.0	738.9	2590.9	535.5
6	1.01	-3.1	1.03	546.04	156.03	78.01	0.15	24.0	981.8	2597.2	535.8
7	3.02	-1.4	3.01	1848.04	521.31	260.66	0.15	24.0	4227.0	7661.3	1594.7
8	10.06	4.3	10.15	3732.72	2364.24	1182.12	0.15	24.0	23909.9	29478.3	5675.8
9	2.01	9.6	2.01	5171.79	667.56	333.78	0.15	24.0	5409.1	9651.4	1477.9
10	2.01	11.4	2.11	7920.44	788.5	394.25	1.4	27.0	0.0	16772.0	7488.3
11	3.02	13.6	3.12	6161.44	1151.1	575.55	1.4	27.0	0.0	24201.3	11210.0
12	1.35	15.6	1.41	0920.06	480.48	240.24	1.4	27.0	0.0	9957.4	4945.3
13	1.67	17.0	1.71	2465.53	548.48	274.24	1.4	27.0	0.0	11183.3	6063.8
14	1.01	18.2	1.17	159.95	315.04	157.52	1.4	27.0	0.0	6345.2	3627.0
15	1.01	19.1	1.17	158.45	314.97	157.49	1.4	27.0	0.0	6315.0	3640.2

16	1.01	20.0	1.17	012.57	308.55	154.28	1.4	27.0	0.0	6137.4	3639.3
17	1.01	21.0	1.17	289.47	320.74	160.37	1.4	27.0	0.0	6394.8	3684.0
18	1.01	21.9	1.17	690.23	338.37	169.19	1.4	27.0	0.0	6783.5	3743.4
19	1.01	22.8	1.17	393.97	325.33	162.67	1.4	27.0	0.0	6451.8	3730.2
20	10.47	28.5	11.94	4726.57	1967.97	983.98	0.15	24.0	1810.64	4715.5	7588.8

xc = 42.314 yc = 72.432 Rc = 66.924 Fs=5.617

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.04	-9.1	1.1	450.39	19.82	9.91	0.0	21.0	0.0	461.3	31.5
2	1.01	-8.3	1.0	1078.97	47.47	23.74	0.0	21.0	0.0	1101.2	75.3
3	1.01	-7.4	1.0	1448.03	63.71	31.86	0.0	21.0	0.0	1473.2	100.7
4	1.01	-6.5	1.0	1685.82	74.18	37.09	0.0	21.0	0.0	1710.2	116.9
5	1.01	-5.7	1.0	2015.88	88.7	44.35	0.0	21.0	163.6	1874.0	128.1
6	3.02	-3.9	3.0	7699.37	338.77	169.39	0.15	24.0	2043.5	5756.0	1264.3
7	8.41	1.0	8.4	34639.7	1524.15	762.07	0.15	24.0	15360.5	19218.0	3770.4
8	1.65	5.3	1.7	10397.99	457.51	228.76	0.15	24.0	3992.3	6345.6	945.2
9	1.01	6.4	1.0	7090.31	311.97	155.99	0.15	24.0	2539.0	4509.3	627.8
10	1.01	7.3	1.0	8005.49	352.24	176.12	0.15	24.0	2609.3	5351.3	695.1
11	1.01	8.2	1.0	8770.1	385.88	192.94	0.15	24.0	2699.8	6025.0	749.0
12	1.01	9.0	1.0	8979.42	395.09	197.55	1.4	27.0	0.0	8564.9	3316.4
13	1.01	9.9	1.0	8998.55	395.94	197.97	1.4	27.0	0.0	8554.5	3321.9
14	1.01	10.8	1.0	8925.16	392.71	196.35	1.4	27.0	0.0	8453.3	3319.8
15	1.01	11.7	1.0	8824.18	388.26	194.13	1.4	27.0	0.0	8325.7	3316.0
16	3.02	13.4	3.1	25200.04	1108.8	554.4	1.4	27.0	0.0	23551.2	9871.7
17	12.34	20.4	13.2	107732.9	4740.25	2370.12	1.4	27.0	0.0	99383.6	41833.7
18	1.9	27.0	2.1	8880.98	390.76	195.38	1.4	27.0	0.0	6935.4	5953.4
19	2.32	29.0	2.7	9169.6	403.46	201.73	0.15	24.0	74.5	9586.2	1467.9
20	2.36	31.3	2.8	15113.16	664.98	332.49	0.15	24.0	0.0	16450.9	2040.6

xc = 45.322 yc = 70.84 Rc = 64.983 Fs=5.517

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.11	-9.9	0.1	1.78	0.08	0.04	0.0	21.0	0.0	1.8	0.1
2	1.01	-9.4	1.0	218.71	9.62	4.81	0.0	21.0	0.0	224.3	15.6
3	1.01	-8.5	1.0	643.88	28.33	14.17	0.0	21.0	0.0	657.9	45.8
4	3.02	-6.7	3.0	4129.63	181.7	90.85	0.0	21.0	120.3	4070.3	283.2

5	7.04	-2.3	7.02	1478.8	945.07	472.53	0.15	24.0	9271.6	12331.7	2911.5
6	1.64	1.6	1.69	553.76	420.37	210.18	0.15	24.0	3428.9	6101.5	937.9
7	1.38	2.9	1.48	465.54	372.48	186.24	0.15	24.0	3170.8	5260.9	800.4
8	1.01	4.0	1.06	930.38	304.94	152.47	0.15	24.0	2454.8	4442.5	632.7
9	1.01	4.8	1.07	928.95	348.87	174.44	0.15	24.0	2569.0	5319.5	703.8
10	1.01	5.7	1.08	776.47	386.16	193.08	0.15	24.0	2703.1	6027.4	761.3
11	1.01	6.6	1.0	9087.0	399.83	199.91	1.4	27.0	0.08	755.4	3379.0
12	1.01	7.5	1.09	205.57	405.05	202.52	1.4	27.0	0.08	837.6	3391.5
13	1.01	8.4	1.09	231.22	406.17	203.09	1.4	27.0	0.08	829.1	3396.4
14	1.01	9.3	1.09	228.96	406.07	203.04	1.4	27.0	0.08	794.6	3399.5
15	3.02	11.1	3.12	7004.75	1188.21	594.1	1.4	27.0	0.025	523.5	10163.4
16	12.34	18.2	13.01	24325.4	5470.32	2735.16	1.4	27.0	0.011	6494.9	43725.4
17	1.9	24.9	2.11	2802.42	563.31	281.65	1.4	27.0	0.011	164.3	6356.4
18	1.96	26.8	2.21	2385.21	544.95	272.47	1.4	27.0	0.010	569.0	6547.2
19	2.3	28.9	2.61	8009.84	792.43	396.22	1.4	27.0	0.016	066.3	8161.7
20	2.3	31.2	2.72	5167.63	1107.38	553.69	0.15	24.0	0.027	640.4	2963.2

xc = 48.33 yc = 72.432 Rc = 65.99 Fs=6.217

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.06	-7.9	0.1	0.55	0.02	0.01	0.0	21.0	0.0	0.6	0.0
2	1.01	-7.5	1.0	155.1	6.82	3.41	0.0	21.0	0.0	157.7	9.7
3	1.01	-6.6	1.0	553.77	24.37	12.18	0.0	21.0	0.0	561.5	34.7
4	1.01	-5.7	1.0	1053.6	46.36	23.18	0.0	21.0	276.4	786.0	48.5
5	1.01	-4.8	1.01	596.53	70.25	35.12	0.15	24.0	549.8	1077.6	320.8
6	1.01	-4.0	1.02	249.01	98.96	49.48	0.15	24.0	795.7	1481.0	349.4
7	1.01	-3.1	1.0	3030.2	133.33	66.66	0.15	24.0	1038.0	2016.0	387.5
8	1.01	-2.2	1.03	781.93	166.4	83.2	0.15	24.0	1264.8	2535.5	424.5
9	3.02	-0.5	3.01	4837.84	652.87	326.43	0.15	24.0	4979.9	9870.0	1435.1
10	12.07	6.1	12.11	06442.0	4683.45	2341.72	1.4	27.0	0.010	3211.3	35803.8
11	2.01	12.3	2.11	8900.0	831.6	415.8	1.4	27.0	0.018	011.1	6114.0
12	2.01	14.1	2.12	1974.59	966.88	483.44	1.4	27.0	0.021	050.5	6397.3
13	2.01	15.9	2.12	2611.01	994.88	497.44	1.4	27.0	0.021	662.6	6487.2
14	3.02	18.2	3.23	1394.04	1381.34	690.67	1.4	27.0	0.029	889.5	9604.4
15	1.27	20.2	1.41	2346.29	543.24	271.62	1.4	27.0	0.011	679.9	4009.9
16	2.72	22.0	2.92	3120.31	1017.29	508.65	1.4	27.0	0.021	552.7	8374.5
17	1.6	24.1	1.81	2703.43	558.95	279.48	1.4	27.0	0.011	720.1	4909.4
18	2.17	25.9	2.42	5237.48	1110.45	555.22	1.4	27.0	0.024	446.2	7427.1
19	2.17	28.0	2.52	9954.18	1317.98	658.99	1.4	27.0	0.029	689.6	7959.2
20	2.17	30.1	2.52	3376.89	1028.58	514.29	1.4	27.0	0.022	675.1	7500.9

xc = 63.368 yc = 70.84 Rc = 58.033 Fs=2.441

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.73	-0.3	0.7	446.26	19.64	9.82	0.0	21.0	0.0	446.7	70.3
2	1.01	0.5	1.01	529.95	67.32	33.66	0.0	21.0	0.0	1527.8	240.3
3	1.01	1.5	1.01	990.06	87.56	43.78	0.0	21.0	0.0	1982.5	311.8
4	1.01	2.5	1.02	538.66	111.7	55.85	0.0	21.0	0.0	2523.7	396.9
5	1.01	3.5	1.03	029.67	133.31	66.65	0.15	24.0	0.0	2964.4	1160.3
6	1.15	4.6	1.13	464.82	152.45	76.23	0.15	24.0	0.0	3370.3	1321.4
7	0.87	5.6	0.92	725.57	119.92	59.96	0.15	24.0	0.0	2639.5	1016.5
8	1.01	6.5	1.03	415.12	150.27	75.13	0.15	24.0	0.0	3297.9	1224.0
9	1.27	7.6	1.34	338.25	190.88	95.44	0.15	24.0	0.0	4169.5	1549.8
10	1.22	8.9	1.23	827.79	168.42	84.21	0.15	24.0	0.0	3651.6	1425.7
11	0.68	9.8	0.72	397.37	105.48	52.74	0.15	24.0	0.0	2287.1	843.2
12	1.09	10.7	1.14	293.15	188.9	94.45	0.15	24.0	0.0	4099.4	1426.8
13	0.76	11.6	0.82	851.21	125.45	62.73	0.15	24.0	10.2	2701.5	966.7
14	0.98	12.5	1.0	3378.5	148.65	74.33	0.15	24.0	53.1	3141.6	1192.8
15	0.98	13.5	1.0	7137.5	314.05	157.03	0.15	24.0	75.7	6814.6	1865.3
16	0.98	14.5	1.01	2339.64	542.94	271.47	0.15	24.0	80.3	11937.9	2802.7
17	0.98	15.5	1.01	1847.37	521.28	260.64	0.15	24.0	66.9	11470.8	2720.4
18	0.98	16.5	1.01	1318.3	498.01	249.0	0.15	24.0	46.8	10975.9	2633.3
19	0.98	17.5	1.01	0750.49	473.02	236.51	0.15	24.0	0.0	10470.5	2544.6
20	0.98	18.6	1.09	147.86	402.51	201.25	0.0	21.0	0.0	9165.9	1441.7

xc = 21.261 yc = 74.023 Rc = 68.902 Fs=1.694

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.34	7.9	0.3	117.24	5.16	2.58	0.0	21.0	0.0	114.7	26.0
2	0.25	8.2	0.2	229.93	10.12	5.06	0.0	21.0	0.0	225.0	51.0
3	0.43	8.5	0.4	528.77	23.27	11.63	0.0	21.0	0.0	517.1	117.2
4	0.34	8.8	0.3	432.46	19.03	9.51	0.0	21.0	0.0	422.8	95.8
5	0.23	9.0	0.2	302.72	13.32	6.66	0.0	21.0	0.0	295.9	67.0
6	0.45	9.3	0.5	590.23	25.97	12.99	0.0	21.0	0.0	576.7	130.7
7	0.34	9.7	0.3	440.09	19.36	9.68	0.0	21.0	0.0	429.8	97.4
8	0.22	9.9	0.2	276.85	12.18	6.09	0.0	21.0	0.0	270.3	61.3
9	0.46	10.2	0.5	549.11	24.16	12.08	0.0	21.0	0.0	536.1	121.5
10	0.34	10.5	0.3	351.8	15.48	7.74	0.0	21.0	0.0	343.4	77.8
11	0.2	10.7	0.2	188.3	8.28	4.14	0.0	21.0	0.0	183.8	41.6
12	0.48	11.0	0.5	391.06	17.21	8.6	0.0	21.0	0.0	381.6	86.5

13	0.34	11.4	0.3	235.04	10.34	5.17	0.0	21.0	0.0	229.3	52.0
14	0.19	11.6	0.2	114.01	5.02	2.51	0.0	21.0	0.0	111.2	25.2
15	0.49	11.9	0.5	260.99	11.48	5.74	0.0	21.0	0.0	254.6	57.7
16	0.34	12.2	0.3	152.98	6.73	3.37	0.0	21.0	0.0	149.2	33.8
17	0.17	12.5	0.2	69.06	3.04	1.52	0.0	21.0	0.0	67.4	15.3
18	0.51	12.8	0.5	155.46	6.84	3.42	0.0	21.0	0.0	151.6	34.4
19	0.34	13.1	0.3	61.71	2.72	1.36	0.0	21.0	0.0	60.2	13.6
20	0.34	13.4	0.3	25.66	1.13	0.56	0.0	21.0	0.0	25.0	5.7

xc = 24.268 yc = 75.615 Rc = 70.615 Fs=1.795

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.0	5.2	1.0	1057.78	46.54	23.27	0.0	21.0	0.0	1041.8	222.7
2	1.01	6.0	1.0	2242.32	98.66	49.33	0.0	21.0	0.0	2205.0	471.4
3	1.01	6.9	1.0	2375.02	104.5	52.25	0.0	21.0	0.0	2332.2	498.6
4	0.52	7.5	0.5	1206.76	53.1	26.55	0.0	21.0	0.5	1183.4	253.0
5	0.48	7.9	0.5	1040.17	45.77	22.88	0.0	21.0	7.9	1012.1	216.4
6	1.01	8.5	1.0	1990.74	87.59	43.8	0.0	21.0	40.5	1910.8	408.5
7	1.01	9.3	1.0	1827.1	80.39	40.2	0.0	21.0	61.6	1728.5	369.5
8	1.01	10.2	1.0	1672.91	73.61	36.8	0.0	21.0	67.6	1570.7	335.8
9	0.92	11.0	0.9	1282.44	56.43	28.21	0.0	21.0	50.2	1205.2	257.7
10	1.09	11.8	1.1	1153.38	50.75	25.37	0.0	21.0	21.0	1107.4	236.8
11	1.01	12.7	1.0	687.84	30.27	15.13	0.0	21.0	0.0	672.7	143.8
12	0.55	13.3	0.6	246.72	10.86	5.43	0.0	21.0	0.0	241.3	51.6
13	0.45	13.7	0.5	172.65	7.6	3.8	0.0	21.0	0.0	168.9	36.1
14	1.01	14.3	1.0	253.95	11.17	5.59	0.0	21.0	0.0	248.5	53.1
15	1.01	15.2	1.0	123.44	5.43	2.72	0.0	21.0	0.0	120.9	25.8
16	1.01	16.0	1.0	93.55	4.12	2.06	0.0	21.0	0.0	91.7	19.6
17	1.01	16.9	1.1	191.83	8.44	4.22	0.0	21.0	0.0	188.3	40.2
18	1.01	17.7	1.1	259.63	11.42	5.71	0.0	21.0	0.0	255.1	54.5
19	0.7	18.5	0.7	197.31	8.68	4.34	0.0	21.0	0.0	194.2	41.5
20	0.88	19.1	0.9	253.6	11.16	5.58	0.0	21.0	0.0	249.9	53.4

xc = 27.276 yc = 74.023 Rc = 69.153 Fs=2.406

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.64	2.1	0.6	184.65	8.12	4.06	0.0	21.0	24.8	159.0	25.4

2	1.01	2.8	1.01	686.58	74.21	37.1	0.0	21.0	160.0	1516.5	241.9
3	1.01	3.7	1.02	949.45	129.78	64.89	0.0	21.0	282.5	2645.4	422.0
4	1.01	4.5	1.03	160.16	139.05	69.52	0.0	21.0	390.2	2744.1	437.8
5	1.01	5.3	1.0	3110.7	136.87	68.44	0.0	21.0	471.0	2612.2	416.7
6	1.01	6.2	1.02	931.24	128.97	64.49	0.0	21.0	548.9	2355.6	375.8
7	1.01	7.0	1.02	845.04	125.18	62.59	0.0	21.0	611.8	2206.8	352.1
8	3.02	8.7	3.17	694.56	338.56	169.28	0.15	24.0	2041.0	5278.7	2880.4
9	3.02	11.2	3.15	501.12	242.05	121.02	0.15	24.0	2023.2	3052.5	2483.4
10	1.01	12.9	1.01	692.94	74.49	37.24	0.15	24.0	600.6	933.2	816.3
11	2.01	14.2	2.13	551.36	156.26	78.13	0.15	24.0	995.0	2205.6	1702.3
12	1.01	15.5	1.02	059.19	90.6	45.3	0.15	24.0	358.1	1507.3	929.9
13	1.07	16.4	1.12	336.19	102.79	51.4	0.15	24.0	254.6	1862.9	1042.6
14	1.94	17.7	2.03	317.66	145.98	72.99	0.0	21.0	69.6	3244.5	517.6
15	1.01	19.0	1.11	913.15	84.18	42.09	0.0	21.0	0.0	1918.1	306.0
16	1.16	20.0	1.22	835.17	124.75	62.37	0.0	21.0	0.0	2851.2	454.9
17	0.85	20.9	0.92	272.91	100.01	50.0	0.0	21.0	0.0	2292.9	365.8
18	1.01	21.7	1.12	416.73	106.34	53.17	0.0	21.0	0.0	2445.6	390.2
19	1.01	22.6	1.11	924.93	84.7	42.35	0.0	21.0	0.0	1955.1	311.9
20	2.62	24.2	2.92	290.97	100.8	50.4	0.0	21.0	0.0	2343.9	373.9

xc = 30.284 yc = 75.615 Rc = 70.861 Fs=2.447

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.93	-0.5	0.9	418.84	18.43	9.21	0.0	21.0	153.0	266.2	41.8
2	1.01	0.3	1.02	057.51	90.53	45.27	0.0	21.0	360.5	1695.5	266.0
3	1.01	1.1	1.0	3402.6	149.71	74.86	0.0	21.0	527.5	2866.7	449.8
4	1.01	2.0	1.03	696.35	162.64	81.32	0.0	21.0	680.0	3002.0	471.0
5	1.01	2.8	1.03	736.63	164.41	82.21	0.15	24.0	806.2	2878.6	1141.5
6	1.01	3.6	1.03	649.12	160.56	80.28	0.15	24.0	929.9	2655.5	1101.4
7	1.01	4.4	1.03	655.12	160.83	80.41	0.15	24.0	1039.2	2540.5	1081.0
8	3.02	6.0	3.01	0669.25	469.45	234.72	0.15	24.0	3606.6	6774.9	3093.9
9	7.04	10.2	7.22	2089.55	971.94	485.97	0.15	24.0	9593.0	11533.6	6486.0
10	1.01	13.5	1.04	049.24	178.17	89.08	0.15	24.0	1231.7	2630.6	1113.1
11	2.01	14.7	2.17	464.63	328.44	164.22	0.15	24.0	2228.4	4846.9	2157.8
12	2.01	16.4	2.18	306.34	365.48	182.74	0.15	24.0	1795.7	6082.3	2393.1
13	2.01	18.1	2.11	0017.27	440.76	220.38	0.15	24.0	1424.8	8131.7	2778.0
14	1.09	19.4	1.24	886.23	214.99	107.5	0.15	24.0	573.2	4062.9	1447.4
15	0.92	20.3	1.03	721.07	163.73	81.86	0.15	24.0	348.3	3160.1	1178.8
16	1.01	21.1	1.13	576.99	157.39	78.69	0.15	24.0	228.1	3115.5	1228.4
17	3.02	22.9	3.37	164.37	315.23	157.62	0.0	21.0	0.0	7294.1	1144.4
18	3.02	25.6	3.32	898.43	127.53	63.77	0.0	21.0	0.0	2989.0	469.0
19	1.02	27.4	1.1	599.97	26.4	13.2	0.0	21.0	0.0	625.0	98.1
20	1.8	28.7	2.01	051.16	46.25	23.13	0.0	21.0	0.0	1103.5	173.1

xc = 33.291 yc = 74.023 Rc = 69.399 Fs=2.28

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.96	-3.0	1.0	488.12	21.48	10.74	0.0	21.0	196.2	294.9	49.7
2	1.01	-2.1	1.02	210.05	97.24	48.62	0.0	21.0	443.0	1779.6	299.7
3	1.01	-1.3	1.03	635.83	159.98	79.99	0.0	21.0	653.6	2994.7	504.3
4	1.01	-0.5	1.04	016.19	176.71	88.36	0.15	24.0	849.4	3177.8	1282.8
5	1.01	0.3	1.04	140.23	182.17	91.09	0.15	24.0	1018.6	3114.1	1270.3
6	1.01	1.2	1.04	134.01	181.9	90.95	0.15	24.0	1185.1	2924.2	1233.4
7	1.01	2.0	1.04	220.85	185.72	92.86	0.15	24.0	1337.0	2843.0	1217.8
8	3.02	3.7	3.01	2848.27	565.32	282.66	0.15	24.0	4753.4	7885.1	3530.4
9	8.19	8.3	8.33	5736.99	1572.43	786.21	0.15	24.0	16081.5	18536.8	9066.7
10	1.87	12.5	1.99	898.31	435.53	217.76	0.15	24.0	3594.5	5919.8	2418.6
11	1.01	13.8	1.05	771.07	253.93	126.96	0.15	24.0	1844.7	3698.5	1404.0
12	1.01	14.6	1.06	431.16	282.97	141.49	0.15	24.0	1780.7	4403.2	1544.3
13	1.01	15.5	1.0	6939.5	305.34	152.67	0.15	24.0	1736.3	4941.5	1652.2
14	1.01	16.3	1.06	839.58	300.94	150.47	0.15	24.0	1663.5	4910.4	1649.1
15	1.01	17.2	1.16	540.61	287.79	143.89	0.15	24.0	1586.1	4688.4	1608.8
16	1.01	18.1	1.16	153.76	270.77	135.38	0.15	24.0	1491.9	4396.3	1555.2
17	1.01	19.0	1.15	743.76	252.73	126.36	0.15	24.0	1368.5	4109.9	1502.8
18	3.02	20.7	3.21	4142.88	622.29	311.14	0.15	24.0	3280.5	10066.4	4089.9
19	8.29	25.9	9.23	0157.38	1326.93	663.46	0.15	24.0	0.0	27929.8	11520.5
20	2.02	30.7	2.41	334.09	58.7	29.35	0.0	21.0	0.0	1410.1	237.4

xc = 36.299 yc = 75.615 Rc = 70.807 Fs=2.233

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.28	-5.1	0.3	42.72	1.88	0.94	0.0	21.0	0.0	43.6	7.5
2	1.01	-4.5	1.01	543.84	67.93	33.96	0.0	21.0	82.9	1485.9	255.5
3	1.01	-3.7	1.03	048.38	134.13	67.06	0.0	21.0	336.0	2748.9	472.6
4	1.01	-2.9	1.03	501.41	154.06	77.03	0.0	21.0	574.7	2956.4	508.3
5	1.01	-2.1	1.03	699.94	162.8	81.4	0.15	24.0	786.9	2961.4	1267.0
6	1.01	-1.3	1.03	775.96	166.14	83.07	0.15	24.0	996.7	2807.7	1236.1
7	1.01	-0.5	1.03	945.59	173.61	86.8	0.15	24.0	1192.1	2763.6	1227.1
8	3.02	1.2	3.01	2524.86	551.09	275.55	0.15	24.0	4583.2	7870.4	3597.9
9	11.07	6.9	11.15	8986.92	2595.43	1297.71	0.15	24.0	24920.2	32622.2	13995.5

10	2.01	12.2	2.11	6207.96	713.15	356.58	0.15	24.0	4689.71	1009.7	3578.9
11	3.02	14.3	3.12	3752.36	1045.1	522.55	0.15	24.0	6932.31	6009.7	5285.8
12	2.01	16.4	2.11	4229.77	626.11	313.05	0.15	24.0	4355.69	330.0	3270.2
13	2.01	18.2	2.11	2445.05	547.58	273.79	0.15	24.0	3981.97	922.0	3002.6
14	2.01	19.9	2.11	1348.57	499.34	249.67	0.15	24.0	3474.07	325.5	2898.4
15	2.01	21.6	2.21	0548.04	464.11	232.06	0.15	24.0	2827.77	162.1	2882.5
16	3.02	23.8	3.31	7306.7	761.49	380.75	0.15	24.0	2753.61	3721.7	4953.3
17	1.31	25.8	1.56	694.29	294.55	147.27	0.15	24.0	510.65	831.8	2143.0
18	1.7	27.1	1.96	587.79	289.86	144.93	0.15	24.0	0.06	117.7	2506.7
19	1.01	28.4	1.13	174.09	139.66	69.83	0.15	24.0	0.02	882.1	1342.9
20	3.96	30.7	4.63	314.59	145.84	72.92	0.15	24.0	0.01	804.1	3454.9

xc = 39.307 yc = 74.023 Rc = 68.865 Fs=4.439

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.62	-7.0	0.6	485.71	21.37	10.69	0.0	21.0	0.0	494.7	42.8
2	1.01	-6.3	1.01	891.46	83.22	41.61	0.0	21.0	0.01	921.6	166.2
3	1.01	-5.5	1.02	430.21	106.93	53.46	0.0	21.0	0.02	462.0	212.9
4	1.01	-4.7	1.02	708.52	119.18	59.59	0.0	21.0	253.62	480.5	214.5
5	1.01	-3.8	1.02	856.83	125.7	62.85	0.0	21.0	508.72	367.1	204.7
6	1.01	-3.0	1.03	103.43	136.55	68.28	0.15	24.0	748.92	388.0	579.9
7	3.02	-1.3	3.01	0500.78	462.03	231.02	0.15	24.0	3517.97	024.2	1724.6
8	10.06	4.1	10.14	9380.13	2172.73	1086.36	0.15	24.0	21619.02	7387.86	155.4
9	2.01	9.2	2.01	4423.91	634.65	317.33	0.15	24.0	5015.49	269.0	1618.4
10	3.02	11.3	3.12	5866.16	1138.11	569.06	0.15	24.0	7805.01	7852.9	2830.6
11	2.01	13.5	2.11	6652.06	732.69	366.35	1.4	27.0	0.01	5144.2	8263.7
12	1.72	15.1	1.81	3360.84	587.88	293.94	1.4	27.0	0.01	1958.5	6976.7
13	1.3	16.4	1.49	308.58	409.58	204.79	1.4	27.0	0.08	168.9	5218.8
14	1.01	17.4	1.16	956.19	306.07	153.04	1.4	27.0	0.06	031.9	4017.1
15	1.01	18.3	1.16	991.84	307.64	153.82	1.4	27.0	0.06	032.1	4033.5
16	1.01	19.1	1.16	885.54	302.96	151.48	1.4	27.0	0.05	888.4	4034.5
17	1.01	20.0	1.17	204.54	317.0	158.5	1.4	27.0	0.06	178.8	4086.4
18	1.01	20.9	1.1	7650.0	336.6	168.3	1.4	27.0	0.06	601.8	4154.7
19	1.01	21.8	1.17	401.21	325.65	162.83	1.4	27.0	0.06	313.9	4142.5
20	10.99	27.4	12.44	7492.84	2089.69	1044.84	0.15	24.0	2706.94	5897.2	8786.0

xc = 45.322 yc = 74.023 Rc = 67.931 Fs=5.524

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.07	-8.6	0.1	0.83	0.04	0.02	0.0	21.0	0.0	0.8	0.1
2	1.01	-8.1	1.0	263.36	11.59	5.79	0.0	21.0	0.0	268.7	18.7
3	3.02	-6.4	3.0	2921.86	128.56	64.28	0.0	21.0	0.0	2963.4	205.9
4	5.03	-3.0	5.0	10805.15	475.43	237.71	0.15	24.0	4319.8	6594.3	1899.5
5	3.02	0.4	3.0	13623.1	599.42	299.71	0.15	24.0	4992.9	8620.2	1514.5
6	2.01	2.5	2.0	10998.16	483.92	241.96	0.15	24.0	4088.2	6868.4	1100.6
7	2.01	4.2	2.0	13532.18	595.42	297.71	0.15	24.0	4546.1	8917.1	1266.7
8	3.02	6.3	3.0	25807.0	1135.51	567.75	0.15	24.0	7773.8	17892.3	2266.9
9	2.01	8.5	2.0	17648.07	776.52	388.26	1.4	27.0	0.0	16842.6	6710.2
10	1.55	10.0	1.6	13411.0	590.08	295.04	1.4	27.0	0.0	12709.2	5153.1
11	1.47	11.3	1.5	12299.95	541.2	270.6	1.4	27.0	0.0	11569.9	4871.1
12	1.01	12.4	1.0	8416.48	370.32	185.16	1.4	27.0	0.0	7884.6	3338.0
13	1.01	13.2	1.0	8671.25	381.54	190.77	1.4	27.0	0.0	8115.7	3368.3
14	1.01	14.1	1.0	8786.37	386.6	193.3	1.4	27.0	0.0	8208.4	3386.6
15	1.01	15.0	1.0	9329.36	410.49	205.25	1.4	27.0	0.0	8735.5	3445.7
16	1.01	15.9	1.0	10001.59	440.07	220.03	1.4	27.0	0.0	9397.8	3518.0
17	1.01	16.7	1.1	9982.51	439.23	219.62	1.4	27.0	0.0	9363.4	3526.8
18	1.01	17.6	1.1	10044.84	441.97	220.99	1.4	27.0	0.0	9413.4	3544.2
19	1.01	18.5	1.1	10030.09	441.32	220.66	1.4	27.0	0.0	9386.8	3555.4
20	13.23	25.2	14.6	127491.8	5609.64	2804.82	1.4	27.0	0.0	118333.4	47946.9

xc = 54.345 yc = 75.615 Rc = 67.962 Fs=5.11

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.17	-7.7	0.2	13.85	0.61	0.3	0.0	21.0	0.0	14.1	1.1
2	1.01	-7.2	1.0	560.22	24.65	12.32	0.0	21.0	0.0	570.2	42.8
3	3.02	-5.5	3.0	6093.41	268.11	134.06	0.0	21.0	373.9	5788.4	434.8
4	6.04	-1.7	6.0	36756.76	1617.3	808.65	0.15	24.0	7803.4	29094.7	4307.6
5	2.01	1.7	2.0	14317.34	629.96	314.98	0.15	24.0	4401.7	9877.2	1451.5
6	3.02	3.8	3.0	22750.94	1001.04	500.52	1.4	27.0	0.0	22102.4	10491.4
7	2.01	5.9	2.0	17675.43	777.72	388.86	1.4	27.0	0.0	17017.6	7239.4
8	3.02	8.1	3.0	32453.49	1427.95	713.98	1.4	27.0	0.0	31152.5	11458.3
9	2.01	10.2	2.0	23693.84	1042.53	521.26	1.4	27.0	0.0	22658.2	7861.0
10	3.02	12.4	3.1	34880.21	1534.73	767.36	1.4	27.0	0.0	33126.4	11769.5
11	2.49	14.8	2.6	27845.29	1225.19	612.6	1.4	27.0	0.0	26243.8	9681.6
12	1.5	16.5	1.6	17182.05	756.01	378.01	1.4	27.0	0.0	16172.6	5897.5
13	2.41	18.3	2.5	25320.36	1114.1	557.05	1.4	27.0	0.0	23594.1	9301.7
14	2.44	20.4	2.6	44283.66	1948.48	974.24	1.4	27.0	0.0	43001.3	11420.8
15	2.44	22.6	2.6	41084.91	1807.74	903.87	1.4	27.0	0.0	39837.2	11214.8
16	2.44	24.9	2.7	35703.52	1570.96	785.48	1.4	27.0	0.0	34350.6	10794.0
17	1.29	26.6	1.4	17336.21	762.79	381.4	1.4	27.0	0.0	16588.5	5593.5

18	0.08	27.3	0.1	732.56	32.23	16.12	1.4	27.0	0.0	656.3	325.7
19	1.01	27.8	1.18	137.38	358.04	179.02	1.4	27.0	0.0	7179.0	3831.6
20	7.38	31.9	8.72	6688.64	1174.3	587.15	0.15	24.0	0.0	28319.4	5021.5

xc = 21.261 yc = 77.207 Rc = 71.976 Fs=1.76

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.33	7.7	0.3	111.63	4.91	2.46	0.0	21.0	0.0	109.4	23.9
2	0.18	7.9	0.2	155.1	6.82	3.41	0.0	21.0	0.0	152.0	33.2
3	0.48	8.1	0.5	519.5	22.86	11.43	0.0	21.0	0.0	508.9	111.0
4	0.33	8.5	0.3	378.06	16.63	8.32	0.0	21.0	0.0	370.2	80.8
5	0.19	8.7	0.2	228.31	10.05	5.02	0.0	21.0	0.0	223.5	48.8
6	0.47	8.9	0.5	555.95	24.46	12.23	0.0	21.0	0.0	544.1	118.7
7	0.33	9.3	0.3	387.65	17.06	8.53	0.0	21.0	0.0	379.3	82.7
8	0.21	9.5	0.2	238.67	10.5	5.25	0.0	21.0	0.0	233.5	50.9
9	0.46	9.7	0.5	489.16	21.52	10.76	0.0	21.0	0.0	478.4	104.4
10	0.33	10.1	0.3	308.22	13.56	6.78	0.0	21.0	0.0	301.4	65.7
11	0.22	10.3	0.2	181.4	7.98	3.99	0.0	21.0	0.0	177.3	38.7
12	0.44	10.5	0.5	321.63	14.15	7.08	0.0	21.0	0.0	314.4	68.6
13	0.33	10.9	0.3	202.32	8.9	4.45	0.0	21.0	0.0	197.7	43.1
14	0.23	11.1	0.2	121.56	5.35	2.67	0.0	21.0	0.0	118.8	25.9
15	0.43	11.4	0.4	195.67	8.61	4.3	0.0	21.0	0.0	191.2	41.7
16	0.33	11.7	0.3	128.32	5.65	2.82	0.0	21.0	0.0	125.4	27.3
17	0.24	11.9	0.2	81.62	3.59	1.8	0.0	21.0	0.0	79.7	17.4
18	0.42	12.2	0.4	106.98	4.71	2.35	0.0	21.0	0.0	104.5	22.8
19	0.33	12.5	0.3	50.48	2.22	1.11	0.0	21.0	0.0	49.3	10.8
20	0.33	12.7	0.3	19.2	0.84	0.42	0.0	21.0	0.0	18.8	4.1

xc = 27.276 yc = 77.207 Rc = 72.323 Fs=2.518

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.62	2.1	0.6	171.41	7.54	3.77	0.0	21.0	16.6	154.1	23.5
2	1.01	2.7	1.01	668.46	73.41	36.71	0.0	21.0	150.2	1509.0	230.1
3	1.01	3.5	1.02	935.99	129.18	64.59	0.0	21.0	275.3	2641.1	402.7
4	1.01	4.3	1.03	152.59	138.71	69.36	0.0	21.0	386.1	2742.8	418.2
5	1.01	5.1	1.03	110.24	136.85	68.43	0.0	21.0	470.8	2614.4	398.6
6	1.01	5.9	1.02	939.14	129.32	64.66	0.0	21.0	553.2	2361.5	360.1

7	1.01	6.7	1.02	862.54	125.95	62.98	0.0	21.0	621.3	2217.0	338.0
8	3.02	8.3	3.17	819.53	344.06	172.03	0.15	24.0	2106.7	5369.1	2767.1
9	3.02	10.7	3.15	763.35	253.59	126.79	0.15	24.0	2161.2	3211.5	2398.5
10	2.01	12.8	2.13	665.05	161.26	80.63	0.15	24.0	1275.0	2088.2	1598.7
11	1.01	14.0	1.02	083.97	91.69	45.85	0.15	24.0	540.0	1376.5	861.3
12	1.2	14.9	1.22	697.51	118.69	59.35	0.15	24.0	532.5	1951.1	1086.7
13	0.81	15.7	0.81	950.68	85.83	42.91	0.15	24.0	279.9	1519.0	769.6
14	2.01	16.9	2.13	931.24	172.97	86.49	0.15	24.0	368.7	3172.2	1814.1
15	2.01	18.6	2.14	473.49	196.83	98.42	0.0	21.0	0.0	4489.3	684.5
16	1.01	19.8	1.1	3073.1	135.22	67.61	0.0	21.0	0.0	3096.6	472.1
17	1.21	20.8	1.33	352.15	147.49	73.75	0.0	21.0	0.0	3389.2	516.8
18	0.8	21.6	0.91	840.19	80.97	40.48	0.0	21.0	0.0	1866.7	284.6
19	1.01	22.4	1.11	824.27	80.27	40.13	0.0	21.0	0.0	1856.5	283.1
20	2.42	23.9	2.61	917.49	84.37	42.18	0.0	21.0	0.0	1964.4	299.5

xc = 30.284 yc = 78.798 Rc = 74.031 Fs=2.464

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.9	-0.4	0.9	396.23	17.43	8.72	0.0	21.0	136.9	259.6	40.4
2	1.01	0.3	1.02	032.61	89.43	44.72	0.0	21.0	347.1	1684.1	262.3
3	1.01	1.1	1.03	378.72	148.66	74.33	0.0	21.0	514.6	2856.2	444.9
4	1.01	1.9	1.03	674.64	161.68	80.84	0.0	21.0	668.3	2992.7	466.2
5	1.01	2.7	1.03	717.74	163.58	81.79	0.15	24.0	796.3	2872.2	1132.0
6	1.01	3.4	1.03	634.83	159.93	79.97	0.15	24.0	922.4	2651.8	1092.6
7	1.01	4.2	1.03	646.59	160.45	80.22	0.15	24.0	1034.7	2539.9	1073.0
8	3.02	5.8	3.01	0689.15	470.32	235.16	0.15	24.0	3617.1	6797.2	3074.7
9	7.05	9.7	7.22	2588.58	993.9	496.95	0.15	24.0	9845.0	11817.5	6490.3
10	1.0	12.9	1.04	149.36	182.57	91.29	0.15	24.0	1290.9	2679.2	1106.3
11	2.01	14.1	2.17	806.48	343.49	171.74	0.15	24.0	2408.3	5021.0	2169.9
12	1.01	15.3	1.04	299.26	189.17	94.58	0.15	24.0	1070.0	3024.7	1181.4
13	1.01	16.1	1.04	905.42	215.84	107.92	0.15	24.0	977.7	3710.6	1307.8
14	1.01	16.9	1.15	361.12	235.89	117.94	0.15	24.0	905.6	4230.0	1404.3
15	1.01	17.7	1.15	209.89	229.24	114.62	0.15	24.0	805.8	4176.9	1397.6
16	1.01	18.5	1.14	860.91	213.88	106.94	0.15	24.0	702.1	3931.6	1356.3
17	1.01	19.4	1.14	425.39	194.72	97.36	0.15	24.0	582.2	3615.9	1302.4
18	1.01	20.2	1.13	968.04	174.59	87.3	0.15	24.0	433.9	3305.9	1249.8
19	1.01	21.0	1.13	451.14	151.85	75.93	0.15	24.0	281.0	2939.9	1187.3
20	9.73	25.6	10.89	639.14	424.12	212.06	0.0	21.0	0.0	9947.5	1549.5

xc = 33.291 yc = 77.207 Rc = 72.569 Fs=2.22

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.95	-2.8	0.9	471.52	20.75	10.37	0.0	21.0	184.8	289.6	50.1
2	1.01	-2.1	1.02	189.03	96.32	48.16	0.0	21.0	431.6	1769.5	305.9
3	1.01	-1.3	1.03	612.33	158.94	79.47	0.0	21.0	640.8	2983.5	515.8
4	1.01	-0.5	1.03	990.73	175.59	87.8	0.15	24.0	836.0	3165.5	1314.5
5	1.01	0.3	1.04	114.67	181.05	90.52	0.15	24.0	1005.2	3102.1	1301.8
6	1.01	1.1	1.04	109.55	180.82	90.41	0.15	24.0	1172.3	2913.1	1264.0
7	1.01	1.9	1.04	198.72	184.74	92.37	0.15	24.0	1325.3	2833.2	1248.3
8	3.02	3.5	3.01	2806.92	563.5	281.75	0.15	24.0	4731.7	7868.4	3620.9
9	8.73	8.2	8.83	9050.09	1718.2	859.1	0.15	24.0	17387.5	20438.9	10056.0
10	1.33	12.2	1.47	342.74	323.08	161.54	0.15	24.0	2626.5	4433.6	1810.6
11	1.01	13.2	1.05	916.47	260.32	130.16	0.15	24.0	1921.2	3763.4	1452.7
12	1.01	14.0	1.06	599.08	290.36	145.18	0.15	24.0	1869.1	4476.6	1598.1
13	1.01	14.8	1.07	131.53	313.79	156.89	0.15	24.0	1837.4	5024.0	1710.5
14	1.01	15.6	1.07	057.39	310.53	155.26	0.15	24.0	1778.2	5003.9	1709.2
15	1.01	16.4	1.0	6785.9	298.58	149.29	0.15	24.0	1715.2	4794.0	1670.1
16	1.01	17.3	1.1	6428.3	282.85	141.42	0.15	24.0	1636.4	4515.4	1617.3
17	1.01	18.1	1.1	6049.4	266.17	133.09	0.15	24.0	1529.4	4243.4	1566.1
18	3.02	19.8	3.21	5263.83	671.61	335.8	0.15	24.0	3870.5	10566.2	4286.0
19	9.42	25.2	10.43	8707.58	1703.13	851.57	0.15	24.0	802.5	35256.5	14098.4
20	2.08	30.2	2.41	769.29	77.85	38.92	0.0	21.0	0.0	1860.3	321.6

xc = 36.299 yc = 78.798 Rc = 73.754 Fs=2.156

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.96	-4.3	1.01	123.95	49.45	24.73	0.0	21.0	0.0	1142.7	203.5
2	1.01	-3.6	1.02	620.82	115.32	57.66	0.0	21.0	104.9	2549.2	454.0
3	1.01	-2.8	1.03	069.49	135.06	67.53	0.0	21.0	341.2	2755.5	490.7
4	1.01	-2.0	1.03	259.84	143.43	71.72	0.0	21.0	551.6	2726.9	485.6
5	1.01	-1.2	1.03	326.72	146.38	73.19	0.15	24.0	760.3	2593.6	1236.0
6	1.01	-0.5	1.03	495.18	153.79	76.89	0.15	24.0	955.0	2549.9	1226.8
7	3.02	1.1	3.01	1176.42	491.76	245.88	0.15	24.0	3873.5	7234.4	3595.1
8	8.88	5.8	8.93	9445.96	1735.62	867.81	0.15	24.0	17446.6	21046.2	10560.8
9	1.18	9.7	1.26	963.98	306.42	153.21	0.15	24.0	2547.4	4190.8	1696.6
10	1.01	10.6	1.06	395.18	281.39	140.69	0.15	24.0	2173.2	4007.8	1540.0
11	1.01	11.3	1.07	169.65	315.46	157.73	0.15	24.0	2169.4	4759.4	1697.1
12	1.01	12.1	1.07	795.31	342.99	171.5	0.15	24.0	2186.7	5345.2	1820.2
13	1.01	12.9	1.07	815.78	343.89	171.95	0.15	24.0	2177.3	5365.6	1826.7
14	1.01	13.8	1.07	640.42	336.18	168.09	0.15	24.0	2165.0	5197.9	1794.4

15	1.01	14.6	1.07	380.54	324.74	162.37	0.15	24.0	2137.5	4962.9	1748.4
16	1.01	15.4	1.07	101.05	312.45	156.22	0.15	24.0	2082.9	4735.8	1704.3
17	3.02	17.0	3.21	9031.69	837.39	418.7	0.15	24.0	5853.6	12330.2	4743.2
18	11.13	22.9	12.16	4225.78	2825.93	1412.97	0.15	24.0	10432.3	50443.4	18828.8
19	1.21	28.2	1.43	089.34	135.93	67.97	0.15	24.0	0.0	2695.2	1511.2
20	3.26	30.2	3.83	459.59	152.22	76.11	0.15	24.0	0.0	2209.5	3083.7

xc = 39.307 yc = 77.207 Rc = 71.813 Fs=5.691

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.46	-6.7	0.5	269.99	11.88	5.94	0.0	21.0	0.0	274.0	18.5
2	1.01	-6.1	1.01	485.15	65.35	32.67	0.0	21.0	0.0	1504.4	101.5
3	1.01	-5.3	1.02	015.83	88.7	44.35	0.0	21.0	0.0	2037.1	137.4
4	1.01	-4.5	1.02	287.28	100.64	50.32	0.0	21.0	25.9	2280.3	153.8
5	1.01	-3.7	1.02	429.84	106.91	53.46	0.0	21.0	277.9	2165.7	146.1
6	1.01	-2.9	1.02	666.98	117.35	58.67	0.0	21.0	515.6	2161.4	145.8
7	3.02	-1.3	3.09	153.26	402.74	201.37	0.15	24.0	2808.7	6374.5	1294.4
8	10.06	4.0	10.14	5015.28	1980.67	990.34	0.15	24.0	19321.7	25432.6	4647.8
9	3.02	9.2	3.12	2455.02	988.02	494.01	0.15	24.0	7006.0	15325.8	2004.9
10	2.01	11.3	2.11	6639.2	732.12	366.06	0.15	24.0	4883.8	11696.3	1455.8
11	2.01	12.9	2.11	5930.21	700.93	350.46	1.4	27.0	0.0	14874.5	6410.0
12	3.02	15.0	3.12	1772.68	958.0	479.0	1.4	27.0	0.0	20003.4	9477.0
13	2.01	17.1	2.11	3411.9	590.12	295.06	1.4	27.0	0.0	12107.7	6261.9
14	2.01	18.7	2.11	3129.71	577.71	288.85	1.4	27.0	0.0	11734.6	6278.0
15	2.01	20.5	2.11	5071.87	663.16	331.58	1.4	27.0	0.0	13659.6	6506.0
16	2.23	22.3	2.41	6037.6	705.65	352.83	1.4	27.0	0.0	14373.8	7219.5
17	1.79	24.0	2.01	0474.83	460.89	230.45	1.4	27.0	0.0	8959.0	5630.1
18	1.01	25.2	1.15	262.57	231.55	115.78	1.4	27.0	0.0	4344.7	3125.3
19	1.27	26.3	1.45	596.47	246.24	123.12	0.15	24.0	398.3	5403.0	796.7
20	5.16	29.2	5.91	3937.81	613.26	306.63	0.15	24.0	0.0	14462.4	2687.4

xc = 42.314 yc = 78.798 Rc = 72.82 Fs=6.737

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.07	-8.0	0.1	1.71	0.08	0.04	0.0	21.0	0.0	1.7	0.1
2	1.01	-7.6	1.0	307.04	13.51	6.75	0.0	21.0	0.0	312.1	17.8
3	1.01	-6.8	1.0	654.91	28.82	14.41	0.0	21.0	0.0	664.0	37.8

4	1.01	-6.0	1.0	873.96	38.45	19.23	0.0	21.0	0.0	884.1	50.4
5	1.01	-5.2	1.01	187.69	52.26	26.13	0.0	21.0	0.0	1198.8	68.3
6	3.02	-3.6	3.05	126.24	225.55	112.78	0.0	21.0	659.0	4492.3	256.0
7	10.06	1.5	10.13	6611.87	1610.92	805.46	0.15	24.0	14898.9	21621.9	3670.2
8	2.01	6.3	2.01	2984.7	571.33	285.66	0.15	24.0	4258.0	8666.8	1023.6
9	2.01	7.9	2.01	6128.84	709.67	354.83	0.15	24.0	4641.4	11429.9	1207.8
10	3.02	9.9	3.12	4177.57	1063.81	531.91	1.4	27.0	0.02	3126.1	8117.1
11	1.66	11.8	1.71	2919.72	568.47	284.23	1.4	27.0	0.01	2271.4	4442.5
12	1.36	13.0	1.41	0059.65	442.62	221.31	1.4	27.0	0.0	9487.7	3624.7
13	1.01	13.9	1.07	356.47	323.68	161.84	1.4	27.0	0.0	6914.9	2677.6
14	1.01	14.8	1.07	544.23	331.95	165.97	1.4	27.0	0.0	7090.6	2698.7
15	1.01	15.6	1.07	594.17	334.14	167.07	1.4	27.0	0.0	7128.1	2710.0
16	1.01	16.4	1.08	073.75	355.24	177.62	1.4	27.0	0.0	7605.2	2755.0
17	1.01	17.2	1.18	684.37	382.11	191.06	1.4	27.0	0.0	8220.6	2811.1
18	1.01	18.1	1.18	605.53	378.64	189.32	1.4	27.0	0.0	8133.7	2814.7
19	1.01	18.9	1.18	609.93	378.84	189.42	1.4	27.0	0.0	8133.2	2825.4
20	12.76	24.9	14.18	3946.62	3693.65	1846.83	1.4	27.0	0.07	6300.0	35006.4

xc = 45.322 yc = 77.207 Rc = 70.879 Fs=5.964

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	-7.5	0.2	12.27	0.54	0.27	0.0	21.0	0.0	12.5	0.8
2	3.02	-6.1	3.01	705.07	75.02	37.51	0.0	21.0	0.0	1726.9	111.1
3	4.02	-3.3	4.06	083.34	267.67	133.83	0.15	24.0	2077.9	4088.0	1319.0
4	2.01	-0.8	2.06	057.34	266.52	133.26	0.15	24.0	2314.0	3755.4	786.5
5	2.01	0.8	2.0	8712.8	383.36	191.68	0.15	24.0	3012.2	5688.5	930.8
6	3.02	2.8	3.01	6246.93	714.87	357.43	0.15	24.0	5611.7	10572.0	1549.2
7	2.01	4.9	2.01	5585.33	685.75	342.88	0.15	24.0	4362.0	11149.9	1340.2
8	2.01	6.5	2.01	6616.15	731.11	365.56	0.15	24.0	4871.7	11663.2	1380.0
9	2.01	8.1	2.01	6701.6	734.87	367.44	1.4	27.0	0.01	5994.6	6137.9
10	3.02	10.2	3.12	4448.37	1075.73	537.86	1.4	27.0	0.02	3190.3	9180.0
11	2.01	12.3	2.11	6227.06	713.99	357.0	1.4	27.0	0.01	5271.9	6138.5
12	2.01	13.9	2.11	6787.03	738.63	369.31	1.4	27.0	0.01	5754.8	6212.6
13	2.01	15.6	2.11	9589.46	861.94	430.97	1.4	27.0	0.01	8527.1	6487.3
14	2.13	17.4	2.22	1140.3	930.17	465.09	1.4	27.0	0.01	9975.1	6954.6
15	1.89	19.1	2.01	7032.48	749.43	374.71	1.4	27.0	0.01	5927.7	6056.6
16	1.01	20.3	1.18	764.61	385.64	192.82	1.4	27.0	0.0	8155.7	3215.2
17	1.27	21.3	1.41	0337.14	454.83	227.42	1.4	27.0	0.0	9527.6	4020.2
18	1.22	22.4	1.38	765.92	385.7	192.85	1.4	27.0	0.0	7924.9	3776.6
19	0.68	23.2	0.74	805.35	211.44	105.72	1.4	27.0	0.0	4322.2	2113.5
20	7.45	26.9	8.46	9675.03	3065.7	1532.85	1.4	27.0	0.06	5352.1	25183.8

xc = 24.268 yc = 81.982 Rc = 76.955 Fs=1.47

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.99	4.8	1.0	1052.89	46.33	23.16	0.0	21.0	0.0	1033.9	270.1
2	1.01	5.5	1.0	2252.66	99.12	49.56	0.0	21.0	0.0	2207.3	576.6
3	1.01	6.3	1.0	2402.98	105.73	52.87	0.0	21.0	0.0	2349.9	613.8
4	1.01	7.0	1.0	2295.73	101.01	50.51	0.0	21.0	30.5	2211.1	577.6
5	1.01	7.8	1.0	2061.01	90.68	45.34	0.0	21.0	78.5	1931.9	504.6
6	1.01	8.6	1.0	1922.11	84.57	42.29	0.0	21.0	112.9	1760.4	459.8
7	1.01	9.3	1.0	1795.11	78.98	39.49	0.0	21.0	133.6	1614.5	421.7
8	2.01	10.5	2.0	2741.27	120.62	60.31	0.0	21.0	265.7	2401.6	627.3
9	1.01	11.6	1.0	906.85	39.9	19.95	0.0	21.0	100.8	781.0	204.0
10	1.01	12.4	1.0	676.8	29.78	14.89	0.0	21.0	53.8	603.3	157.6
11	1.01	13.1	1.0	550.78	24.23	12.12	0.0	21.0	4.6	528.6	138.1
12	1.01	13.9	1.0	463.39	20.39	10.19	0.0	21.0	0.0	448.4	117.1
13	1.01	14.7	1.0	479.53	21.1	10.55	0.0	21.0	0.0	464.0	121.2
14	1.01	15.5	1.0	626.85	27.58	13.79	0.0	21.0	0.0	606.6	158.4
15	1.01	16.2	1.0	746.8	32.86	16.43	0.0	21.0	0.0	722.8	188.8
16	1.01	17.0	1.1	848.39	37.33	18.66	0.0	21.0	0.0	821.6	214.6
17	2.01	18.2	2.1	695.7	30.61	15.31	0.0	21.0	0.0	674.4	176.2
18	1.01	19.4	1.1	527.6	23.21	11.61	0.0	21.0	0.0	512.2	133.8
19	1.01	20.2	1.1	989.52	43.54	21.77	0.0	21.0	0.0	961.9	251.3
20	3.37	21.9	3.6	3189.72	140.35	70.17	0.0	21.0	0.0	3111.3	812.7

xc = 27.276 yc = 80.39 Rc = 75.493 Fs=2.491

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.59	2.0	0.6	158.52	6.97	3.49	0.0	21.0	8.9	148.9	23.0
2	1.01	2.6	1.0	1649.75	72.59	36.29	0.0	21.0	140.1	1500.7	231.3
3	1.01	3.4	1.0	2921.57	128.55	64.27	0.0	21.0	267.5	2634.9	406.1
4	1.01	4.1	1.0	3143.55	138.32	69.16	0.0	21.0	381.2	2739.1	422.2
5	1.01	4.9	1.0	3107.72	136.74	68.37	0.0	21.0	469.4	2613.5	402.8
6	1.01	5.7	1.0	2944.27	129.55	64.77	0.0	21.0	556.0	2363.9	364.3
7	1.01	6.4	1.0	2876.46	126.56	63.28	0.0	21.0	628.8	2223.3	342.7
8	3.02	8.0	3.0	7927.3	348.8	174.4	0.15	24.0	2163.5	5427.5	2805.9
9	4.02	10.7	4.1	7939.07	349.32	174.66	0.15	24.0	3054.6	4358.7	3245.8
10	1.01	12.6	1.0	2017.54	88.77	44.39	0.15	24.0	673.9	1190.3	833.8
11	1.19	13.5	1.2	2675.81	117.74	58.87	0.15	24.0	734.8	1744.7	1048.3

12	0.82	14.3	0.81989.96	87.56	43.78	0.15	24.0	441.7	1403.6	762.6
13	1.01	15.0	1.0 2597.6	114.29	57.15	0.15	24.0	467.7	1944.0	974.8
14	2.01	16.2	2.14402.29	193.7	96.85	0.15	24.0	616.7	3399.5	1869.6
15	1.01	17.4	1.12484.13	109.3	54.65	0.15	24.0	114.7	2163.1	1021.6
16	1.01	18.2	1.13017.94	132.79	66.39	0.0	21.0	0.0	3023.4	466.0
17	1.01	19.0	1.13403.27	149.74	74.87	0.0	21.0	0.0	3417.7	526.7
18	1.01	19.8	1.1 3182.0	140.01	70.0	0.0	21.0	0.0	3203.9	493.8
19	1.01	20.6	1.12763.27	121.58	60.79	0.0	21.0	0.0	2790.3	430.1
20	4.11	22.7	4.55635.06	247.94	123.97	0.0	21.0	0.0	5738.1	884.4

xc = 30.284 yc = 81.982 Rc = 77.201 Fs=2.446

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.88	-0.4	0.9 374.23	16.47	8.23	0.0	21.0	132.0	242.5	38.1
2	1.01	0.3	1.0 2007.7	88.34	44.17	0.0	21.0	333.6	1672.7	262.5
3	1.01	1.0	1.03354.77	147.61	73.8	0.0	21.0	501.6	2845.5	446.6
4	1.01	1.8	1.03652.67	160.72	80.36	0.0	21.0	656.4	2983.0	468.2
5	1.01	2.5	1.03698.29	162.73	81.36	0.15	24.0	786.0	2864.6	1139.1
6	1.01	3.3	1.03619.58	159.26	79.63	0.15	24.0	914.4	2646.4	1099.8
7	1.01	4.0	1.03636.64	160.01	80.01	0.15	24.0	1029.5	2537.4	1080.4
8	3.02	5.5	3.010701.01	470.84	235.42	0.15	24.0	3623.3	6810.4	3099.5
9	8.05	9.7	8.226790.04	1178.76	589.38	0.15	24.0	11484.2	14229.6	7598.0
10	2.01	13.5	2.18114.58	357.04	178.52	0.15	24.0	2570.5	5171.0	2210.4
11	2.01	15.0	2.1 9144.3	402.35	201.17	0.15	24.0	2236.7	6491.8	2459.5
12	2.01	16.6	2.111068.18	487.0	243.5	0.15	24.0	1977.9	8633.3	2859.2
13	2.01	18.2	2.19785.89	430.58	215.29	0.15	24.0	1598.9	7728.7	2705.6
14	1.04	19.3	1.14457.45	196.13	98.06	0.15	24.0	647.1	3572.7	1326.3
15	0.97	20.1	1.03702.34	162.9	81.45	0.15	24.0	462.4	3016.6	1184.2
16	2.01	21.3	2.25814.37	255.83	127.92	0.15	24.0	492.1	4851.6	2207.9
17	1.01	22.5	1.12263.53	99.6	49.8	0.15	24.0	0.0	2020.8	1035.9
18	1.01	23.3	1.12080.17	91.53	45.76	0.15	24.0	0.0	1831.7	1005.5
19	1.01	24.2	1.11764.92	77.66	38.83	0.0	21.0	0.0	1807.1	283.6
20	5.6	26.9	6.38600.43	378.42	189.21	0.0	21.0	0.0	8932.7	1401.9

xc = 33.291 yc = 80.39 Rc = 75.695 Fs=2.272

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.85	-2.7	0.9	382.42	16.83	8.41	0.0	21.0	133.3	251.4	42.5
2	1.01	-2.0	1.0	2086.58	91.81	45.9	0.0	21.0	376.2	1721.3	290.8
3	1.01	-1.2	1.0	3507.65	154.34	77.17	0.0	21.0	584.3	2934.5	495.7
4	1.01	-0.4	1.0	3882.01	170.81	85.4	0.15	24.0	778.8	3113.2	1274.1
5	1.01	0.3	1.0	4005.84	176.26	88.13	0.15	24.0	947.9	3051.1	1261.9
6	1.01	1.1	1.0	4001.74	176.08	88.04	0.15	24.0	1115.5	2863.7	1225.3
7	1.01	1.8	1.0	4093.02	180.09	90.05	0.15	24.0	1269.7	2785.9	1210.3
8	3.02	3.4	3.0	12512.48	550.55	275.27	0.15	24.0	4576.7	7743.0	3512.9
9	10.06	8.4	10.2	46353.06	2039.54	1019.77	0.15	24.0	20025.8	24906.4	11592.7
10	2.01	13.0	2.1	12167.8	535.38	267.69	0.15	24.0	3828.0	7887.8	2908.6
11	2.01	14.6	2.1	14383.89	632.89	316.45	0.15	24.0	3723.0	10142.0	3359.5
12	2.01	16.1	2.1	13396.02	589.42	294.71	0.15	24.0	3499.0	9371.6	3218.9
13	2.01	17.7	2.1	11991.19	527.61	263.81	0.15	24.0	3177.4	8288.2	3018.4
14	2.01	19.3	2.1	10023.11	441.02	220.51	0.15	24.0	2707.2	6792.3	2738.5
15	2.01	21.0	2.2	8754.63	385.2	192.6	0.15	24.0	2108.8	6113.0	2620.2
16	2.01	22.6	2.2	7793.84	342.93	171.46	0.15	24.0	1378.2	5871.5	2589.2
17	2.01	24.3	2.2	9105.47	400.64	200.32	0.15	24.0	534.6	8035.0	3031.3
18	2.05	26.0	2.3	8155.02	358.82	179.41	0.15	24.0	0.0	7611.0	2997.2
19	1.97	27.7	2.2	4652.96	204.73	102.37	0.15	24.0	0.0	4065.0	2267.3
20	2.26	29.5	2.6	2526.25	111.15	55.58	0.0	21.0	0.0	2649.3	447.5

xc = 36.299 yc = 81.982 Rc = 76.702 Fs=2.254

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.79	-4.1	0.8	754.58	33.2	16.6	0.0	21.0	0.0	765.9	130.4
2	1.01	-3.4	1.0	2192.37	96.46	48.23	0.0	21.0	0.0	2219.1	377.9
3	1.01	-2.7	1.0	2637.03	116.03	58.01	0.0	21.0	107.4	2552.8	434.7
4	1.01	-1.9	1.0	2824.35	124.27	62.14	0.0	21.0	316.2	2524.1	429.8
5	1.01	-1.2	1.0	2884.69	126.93	63.46	0.0	21.0	523.7	2369.8	403.5
6	1.01	-0.4	1.0	3044.73	133.97	66.98	0.15	24.0	718.0	2335.4	1130.8
7	3.02	1.1	3.0	9827.64	432.42	216.21	0.15	24.0	3163.6	6603.3	3313.2
8	10.06	6.0	10.1	42530.79	1871.36	935.68	0.15	24.0	18014.1	23460.3	11365.7
9	2.01	10.5	2.0	12405.95	545.86	272.93	0.15	24.0	3953.4	8048.8	2951.7
10	2.01	12.1	2.1	14972.39	658.79	329.39	0.15	24.0	4032.8	10452.9	3433.9
11	2.01	13.6	2.1	14344.6	631.16	315.58	0.15	24.0	3998.2	9841.3	3321.5
12	2.06	15.2	2.1	13622.85	599.41	299.7	0.15	24.0	3952.4	9144.6	3227.3
13	1.96	16.7	2.1	11425.83	502.74	251.37	0.15	24.0	3501.4	7423.8	2830.6
14	1.01	17.9	1.1	5482.01	241.21	120.6	0.15	24.0	1664.5	3557.6	1406.2
15	1.01	18.7	1.1	5476.87	240.98	120.49	0.15	24.0	1545.7	3666.0	1430.9
16	1.01	19.5	1.1	5339.78	234.95	117.48	0.15	24.0	1423.3	3648.2	1430.8
17	1.01	20.3	1.1	5638.23	248.08	124.04	0.15	24.0	1285.1	4079.3	1519.5
18	1.01	21.1	1.1	6073.61	267.24	133.62	0.15	24.0	1118.8	4677.5	1641.4
19	1.01	21.9	1.1	5826.4	256.36	128.18	0.15	24.0	948.1	4602.2	1630.6

20	10.0	26.5	11.234	127.66	1501.62	750.81	0.15	24.0	0.03	1341.0	13623.3

xc = 39.307 yc = 80.39 Rc = 74.761 Fs=5.404

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.3	-6.3	0.3	115.71	5.09	2.55	0.0	21.0	0.0	117.4	8.3
2	1.01	-5.8	1.01	1076.25	47.36	23.68	0.0	21.0	0.0	1089.8	77.4
3	1.01	-5.1	1.01	1599.53	70.38	35.19	0.0	21.0	0.0	1616.0	114.8
4	1.01	-4.3	1.01	1864.62	82.04	41.02	0.0	21.0	0.0	1879.9	133.5
5	1.01	-3.5	1.02	001.92	88.08	44.04	0.0	21.0	46.6	1967.6	139.8
6	1.01	-2.8	1.02	234.83	98.33	49.17	0.0	21.0	282.0	1961.8	139.4
7	3.02	-1.2	3.07	805.39	343.44	171.72	0.15	24.0	2099.3	5735.0	1310.5
8	11.07	4.2	11.14	8221.88	2121.76	1060.88	0.15	24.0	19254.4	28645.6	5440.5
9	2.01	9.2	2.015	516.08	682.71	341.35	0.15	24.0	4325.6	11096.9	1480.2
10	2.01	10.8	2.015	950.18	701.81	350.9	0.15	24.0	4521.2	11348.4	1503.6
11	3.02	12.8	3.12	2448.63	987.74	493.87	0.15	24.0	6851.6	15508.6	2136.9
12	2.01	14.8	2.113	421.45	590.54	295.27	1.4	27.0	0.0	12156.7	6537.6
13	2.01	16.4	2.112	922.26	568.58	284.29	1.4	27.0	0.0	11552.4	6522.8
14	2.01	18.0	2.112	770.3	561.89	280.95	1.4	27.0	0.0	11301.3	6546.6
15	3.02	20.0	3.221	813.08	959.78	479.89	1.4	27.0	0.0	19512.8	10162.9
16	1.6	21.9	1.710	938.05	481.27	240.64	1.4	27.0	0.0	9628.8	5372.1
17	1.42	23.2	1.58	308.59	365.58	182.79	1.4	27.0	0.0	7041.2	4664.9
18	1.01	24.2	1.15	404.38	237.79	118.9	1.4	27.0	0.0	4452.7	3277.2
19	1.27	25.1	1.45	823.29	256.22	128.11	1.4	27.0	0.0	4523.3	4068.5
20	5.58	28.1	6.317	867.8	786.18	393.09	0.15	24.0	0.0	18504.3	3280.9

xc = 42.314 yc = 81.982 Rc = 75.767 Fs=5.017

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.33	-7.0	0.3	26.72	1.18	0.59	0.0	21.0	0.0	27.2	2.1
2	1.01	-6.5	1.0	253.38	11.15	5.57	0.0	21.0	0.0	257.3	19.7
3	1.01	-5.8	1.0	464.17	20.42	10.21	0.0	21.0	0.0	470.2	36.0
4	1.01	-5.0	1.0	770.71	33.91	16.96	0.0	21.0	0.0	778.9	59.6
5	3.02	-3.5	3.0	3841.4	169.02	84.51	0.0	21.0	0.0	3866.4	295.9
6	8.05	0.7	8.121	587.93	949.87	474.93	0.15	24.0	8746.3	12798.1	3542.9
7	2.01	4.5	2.09	876.42	434.56	217.28	0.15	24.0	3497.8	6306.5	1163.3
8	3.02	6.4	3.020	326.14	894.35	447.18	0.15	24.0	5885.6	14286.6	2176.3

9	2.01	8.4	2.01	5708.29	691.16	345.58	0.15	24.0	4393.9	1200.5	1602.2
10	2.01	9.9	2.01	5372.88	676.41	338.2	0.15	24.0	4630.8	10633.2	1554.5
11	3.02	11.8	3.12	1807.69	959.54	479.77	1.4	27.0	0.02	0050.6	10643.7
12	2.01	13.8	2.11	4128.88	621.67	310.84	1.4	27.0	0.01	2809.7	7083.7
13	2.01	15.4	2.11	4433.61	635.08	317.54	1.4	27.0	0.01	3005.5	7145.1
14	3.02	17.3	3.22	5197.27	1108.68	554.34	1.4	27.0	0.02	2914.3	11152.8
15	1.47	19.1	1.61	2175.0	535.7	267.85	1.4	27.0	0.01	0990.6	5466.1
16	1.55	20.3	1.61	1533.62	507.48	253.74	1.4	27.0	0.01	0210.2	5638.6
17	1.01	21.4	1.1	7169.32	315.45	157.73	1.4	27.0	0.0	6269.4	3652.2
18	1.27	22.3	1.4	8250.2	363.01	181.5	1.4	27.0	0.0	7048.9	4554.8
19	1.22	23.3	1.36	694.28	294.55	147.27	1.4	27.0	0.0	5451.2	4264.4
20	6.62	26.6	7.44	6636.47	2052.01	1026.0	0.15	24.0	514.34	8334.4	6505.3

xc = 45.322 yc = 80.39 Rc = 73.826 Fs=5.446

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	2.19	-5.6	2.2	517.09	22.75	11.38	0.0	21.0	0.0	523.2	36.9
2	3.02	-3.6	3.02	627.55	115.61	57.81	0.0	21.0	484.1	2157.0	152.0
3	2.01	-1.6	2.03	974.41	174.87	87.44	0.15	24.0	1437.8	2558.8	763.7
4	2.01	0.0	2.06	734.58	296.32	148.16	0.15	24.0	2215.1	4520.0	923.8
5	1.86	1.5	1.98	515.51	374.68	187.34	0.15	24.0	2624.0	5868.0	992.3
6	1.16	2.6	1.25	658.86	248.99	124.49	0.15	24.0	1874.0	3759.9	626.7
7	1.01	3.5	1.05	614.12	247.02	123.51	0.15	24.0	1762.1	3823.3	590.2
8	1.01	4.3	1.06	630.52	291.74	145.87	0.15	24.0	1885.6	4708.7	662.8
9	1.01	5.0	1.07	499.53	329.98	164.99	0.15	24.0	2031.1	5426.0	721.8
10	1.01	5.8	1.0	7764.9	341.66	170.83	0.15	24.0	2150.5	5568.6	733.8
11	1.01	6.6	1.07	836.19	344.79	172.4	0.15	24.0	2268.0	5520.8	730.3
12	1.01	7.4	1.07	824.83	344.29	172.15	0.15	24.0	2371.4	5405.6	721.4
13	1.01	8.2	1.07	832.86	344.65	172.32	1.4	27.0	0.0	7437.2	3309.0
14	3.02	9.8	3.12	3126.23	1017.55	508.78	1.4	27.0	0.02	1759.5	9909.8
15	11.07	15.4	11.51	03893.7	4571.32	2285.66	1.4	27.0	0.09	7125.0	38602.0
16	2.49	20.9	2.71	9081.8	839.6	419.8	1.4	27.0	0.01	7190.3	8470.9
17	1.84	22.7	2.01	3427.04	590.79	295.39	1.4	27.0	0.01	1935.6	6258.7
18	2.22	24.5	2.41	2607.85	554.75	277.37	1.4	27.0	0.01	0551.8	7253.3
19	2.22	26.4	2.52	9860.54	1313.86	656.93	1.4	27.0	0.02	8834.5	9063.6
20	2.22	28.3	2.52	3750.51	1045.02	522.51	0.15	24.0	0.02	5479.5	2777.1

xc = 57.353 yc = 80.39 Rc = 68.937 Fs=4.299

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.15	-0.9	0.1	1.49	0.07	0.03	0.0	21.0	0.0	1.5	0.1
2	1.01	-0.4	1.0	170.29	7.49	3.75	0.0	21.0	0.0	170.4	15.2
3	2.01	0.8	2.0	599.32	26.37	13.19	0.0	21.0	0.0	598.6	53.5
4	1.01	2.1	1.0	721.18	31.73	15.87	0.0	21.0	0.0	719.3	64.2
5	1.01	2.9	1.01	253.37	55.15	27.57	0.0	21.0	0.0	1249.3	111.6
6	1.01	3.8	1.01	655.72	72.85	36.43	0.0	21.0	0.0	1649.6	147.3
7	1.01	4.6	1.02	503.33	110.15	55.07	0.15	24.0	0.0	2462.5	607.3
8	1.01	5.4	1.03	495.82	153.82	76.91	0.15	24.0	0.0	3444.1	709.4
9	1.01	6.3	1.03	808.35	167.57	83.78	0.15	24.0	0.0	3749.7	741.5
10	1.01	7.1	1.04	213.27	185.38	92.69	0.15	24.0	0.0	4148.1	783.4
11	3.02	8.8	3.11	3274.58	584.08	292.04	0.15	24.0	465.41	2594.7	2370.2
12	2.28	11.1	2.31	0207.73	449.14	224.57	0.15	24.0	625.5	9414.6	1785.2
13	1.24	12.5	1.34	838.53	212.9	106.45	0.15	24.0	372.6	4375.6	896.7
14	0.66	13.4	0.72	776.82	122.18	61.09	1.4	27.0	0.0	2263.3	2487.7
15	0.82	14.0	0.83	726.99	163.99	81.99	1.4	27.0	0.0	3067.5	3104.3
16	0.27	14.5	0.31	190.74	52.39	26.2	1.4	27.0	0.0	967.1	1018.7
17	3.4	16.0	3.52	3088.87	1015.91	507.96	1.4	27.0	0.0	20025.3	13908.1
18	1.29	18.1	1.41	5669.46	689.46	344.73	0.15	24.0	128.0	15664.6	2095.1
19	1.29	19.2	1.41	4604.97	642.62	321.31	0.15	24.0	0.0	14767.2	2005.3
20	1.29	20.3	1.41	2464.99	548.46	274.23	0.15	24.0	0.0	12631.5	1787.6

xc = 24.268 yc = 85.165 Rc = 80.125 Fs=1.415

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.99	4.6	1.01	047.82	46.1	23.05	0.0	21.0	0.0	1028.8	279.0
2	1.01	5.3	1.02	254.22	99.19	49.59	0.0	21.0	0.0	2208.2	598.9
3	1.01	6.0	1.02	412.31	106.14	53.07	0.0	21.0	0.0	2358.1	639.5
4	1.01	6.8	1.02	313.82	101.81	50.9	0.0	21.0	40.3	2218.1	601.6
5	1.01	7.5	1.02	088.92	91.91	45.96	0.0	21.0	93.6	1943.2	527.0
6	1.01	8.2	1.01	960.87	86.28	43.14	0.0	21.0	133.9	1776.4	481.8
7	1.01	8.9	1.0	1845.8	81.22	40.61	0.0	21.0	161.0	1635.7	443.6
8	2.01	10.0	2.02	882.49	126.83	63.41	0.0	21.0	342.1	2461.7	667.7
9	1.01	11.1	1.0	999.9	44.0	22.0	0.0	21.0	151.1	821.3	222.7
10	1.01	11.9	1.0	786.24	34.59	17.3	0.0	21.0	112.9	650.9	176.5
11	1.01	12.6	1.0	677.8	29.82	14.91	0.0	21.0	73.3	584.1	158.4
12	1.01	13.3	1.0	609.2	26.8	13.4	0.0	21.0	19.9	569.1	154.3
13	1.01	14.1	1.0	645.36	28.4	14.2	0.0	21.0	0.0	623.0	169.0
14	1.01	14.8	1.0	813.99	35.82	17.91	0.0	21.0	0.0	785.6	213.1
15	1.01	15.6	1.0	956.56	42.09	21.04	0.0	21.0	0.0	923.2	250.4
16	3.02	17.1	3.22	733.51	120.27	60.14	0.0	21.0	0.0	2639.7	715.9

17	3.02	19.4	3.2	4000.85	176.04	88.02	0.0	21.0	0.0	3871.6	1050.0
18	1.01	20.9	1.1	1413.8	62.21	31.1	0.0	21.0	0.0	1371.3	371.9
19	1.02	21.7	1.1	963.05	42.37	21.19	0.0	21.0	0.0	935.5	253.7
20	1.27	22.5	1.4	438.23	19.28	9.64	0.0	21.0	0.0	426.5	115.7

xc = 30.284 yc = 85.165 Rc = 80.371 Fs=2.455

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.85	-0.4	0.9	352.81	15.52	7.76	0.0	21.0	116.9	236.1	36.9
2	1.01	0.3	1.0	1982.77	87.24	43.62	0.0	21.0	320.1	1661.3	259.8
3	1.01	1.0	1.0	3330.69	146.55	73.28	0.0	21.0	488.6	2834.7	443.3
4	1.01	1.7	1.0	3630.44	159.74	79.87	0.0	21.0	644.4	2973.4	464.9
5	1.01	2.4	1.0	3678.34	161.85	80.92	0.15	24.0	775.5	2857.1	1133.5
6	1.01	3.2	1.0	3603.5	158.55	79.28	0.15	24.0	905.9	2641.2	1094.8
7	1.01	3.9	1.0	3625.44	159.52	79.76	0.15	24.0	1023.6	2534.9	1075.9
8	3.02	5.3	3.0	10705.78	471.05	235.53	0.15	24.0	3625.8	6823.0	3089.8
9	8.05	9.3	8.2	27256.77	1199.3	599.65	0.15	24.0	11729.9	14486.6	7611.3
10	2.01	13.0	2.1	8393.11	369.3	184.65	0.15	24.0	2717.1	5312.4	2225.2
11	2.01	14.4	2.1	9504.68	418.21	209.1	0.15	24.0	2426.4	6670.9	2479.5
12	2.01	15.9	2.1	11520.97	506.92	253.46	0.15	24.0	2216.2	8853.2	2884.2
13	2.01	17.4	2.1	10342.32	455.06	227.53	0.15	24.0	1891.7	7997.4	2739.1
14	2.01	18.9	2.1	8755.67	385.25	192.62	0.15	24.0	1474.5	6827.1	2538.0
15	2.01	20.4	2.1	6614.96	291.06	145.53	0.15	24.0	913.4	5241.3	2262.8
16	2.01	22.0	2.2	5183.12	228.06	114.03	0.15	24.0	229.1	4479.2	2138.4
17	2.01	23.5	2.2	4068.56	179.02	89.51	0.15	24.0	0.0	3571.4	1988.9
18	2.01	25.1	2.2	5243.4	230.71	115.35	0.0	21.0	0.0	5395.5	843.7
19	1.7	26.6	1.9	3454.39	151.99	76.0	0.0	21.0	0.0	3582.5	560.2
20	1.99	28.1	2.3	1340.45	58.98	29.49	0.0	21.0	0.0	1402.2	219.3

xc = 33.291 yc = 83.573 Rc = 78.643 Fs=2.403

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.44	-2.4	0.4	102.13	4.49	2.25	0.0	21.0	0.0	102.9	16.4
2	1.01	-1.9	1.0	1650.96	72.64	36.32	0.0	21.0	140.8	1519.0	242.6
3	1.01	-1.2	1.0	3070.08	135.08	67.54	0.0	21.0	347.7	2731.8	436.3
4	1.01	-0.4	1.0	3440.48	151.38	75.69	0.0	21.0	541.7	2902.3	463.6
5	1.01	0.3	1.0	3555.33	156.43	78.22	0.15	24.0	710.8	2838.5	1153.9

6	1.01	1.0	1.0	3552.1	156.29	78.15	0.15	24.0	878.9	2653.4	1119.7
7	1.01	1.8	1.0	3645.22	160.39	80.19	0.15	24.0	1034.0	2578.3	1105.9
8	3.02	3.2	3.01	1188.76	492.31	246.15	0.15	24.0	3880.0	7138.9	3209.6
9	10.06	8.0	10.24	2426.65	1866.77	933.39	0.15	24.0	17959.3	23206.7	10641.6
10	2.01	12.5	2.11	1551.16	508.25	254.13	0.15	24.0	3503.5	7644.0	2702.6
11	2.01	14.0	2.11	3842.01	609.05	304.52	0.15	24.0	3437.8	9940.7	3136.1
12	2.01	15.5	2.11	2938.94	569.31	284.66	0.15	24.0	3258.4	9211.0	3010.0
13	2.01	17.0	2.11	1629.59	511.7	255.85	0.15	24.0	2987.1	8172.6	2827.8
14	3.02	19.0	3.21	4059.12	618.6	309.3	0.15	24.0	3667.2	9687.0	3786.9
15	2.01	20.9	2.2	8663.02	381.17	190.59	0.15	24.0	1734.9	6446.5	2539.0
16	2.01	22.5	2.2	9575.16	421.31	210.65	0.15	24.0	1009.9	8087.3	2857.8
17	2.01	24.1	2.2	8301.76	365.28	182.64	0.15	24.0	153.5	7674.9	2797.8
18	1.43	25.5	1.6	5305.41	233.44	116.72	0.15	24.0	0.0	4967.4	1908.9
19	1.59	26.7	1.8	3992.43	175.67	87.83	0.15	24.0	0.0	3577.4	1772.7
20	2.64	28.4	3.0	3385.62	148.97	74.48	0.15	24.0	0.0	2575.1	2354.1

xc = 36.299 yc = 85.165 Rc = 79.649 Fs=2.308

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.62	-3.9	0.6	457.23	20.12	10.06	0.0	21.0	0.0	463.5	77.1
2	1.01	-3.3	1.01	763.19	77.58	38.79	0.0	21.0	0.0	1783.3	296.7
3	1.01	-2.6	1.02	204.12	96.98	48.49	0.0	21.0	0.0	2223.1	369.8
4	1.01	-1.9	1.02	388.65	105.1	52.55	0.0	21.0	80.7	2321.7	386.2
5	1.01	-1.1	1.0	2447.1	107.67	53.84	0.0	21.0	287.2	2167.5	360.6
6	1.01	-0.4	1.02	602.85	114.53	57.26	0.0	21.0	480.9	2124.6	353.4
7	3.02	1.0	3.08	478.72	373.06	186.53	0.15	24.0	2453.7	5970.0	3114.3
8	10.06	5.8	10.13	8320.41	1686.1	843.05	0.15	24.0	15798.1	21554.5	10732.4
9	2.01	10.1	2.01	1690.3	514.37	257.19	0.15	24.0	3576.7	7737.9	2821.8
10	2.01	11.6	2.11	4315.72	629.89	314.95	0.15	24.0	3687.2	10173.0	3298.2
11	3.02	13.5	3.12	0472.69	900.8	450.4	0.15	24.0	5534.2	14220.8	4761.4
12	1.36	15.1	1.4	8440.81	371.4	185.7	0.15	24.0	2382.1	5730.4	2020.2
13	1.66	16.2	1.79	237.87	406.47	203.23	0.15	24.0	2763.5	6074.9	2295.9
14	1.01	17.2	1.15	306.53	233.49	116.74	0.15	24.0	1572.1	3488.9	1357.9
15	1.01	18.0	1.15	327.34	234.4	117.2	0.15	24.0	1467.0	3609.4	1384.0
16	1.01	18.7	1.15	217.66	229.58	114.79	0.15	24.0	1359.1	3604.4	1386.1
17	1.01	19.5	1.1	5545.0	243.98	121.99	0.15	24.0	1236.0	4048.8	1475.0
18	1.01	20.3	1.16	010.85	264.48	132.24	0.15	24.0	1085.8	4660.6	1596.5
19	1.01	21.0	1.15	795.75	255.01	127.51	0.15	24.0	932.0	4600.2	1588.4
20	10.39	25.6	11.53	5764.89	1573.66	786.83	0.15	24.0	0.0	33018.0	13857.2

xc = 42.314 yc = 85.165 Rc = 78.715 Fs=5.382

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.72	-5.4	0.7	61.36	2.7	1.35	0.0	21.0	0.0	62.1	4.4
2	1.01	-4.8	1.0	352.09	15.49	7.75	0.0	21.0	0.0	355.5	25.4
3	3.02	-3.3	3.02	554.27	112.39	56.19	0.0	21.0	0.0	2569.3	183.2
4	5.03	-0.4	5.08	262.18	363.54	181.77	0.15	24.0	2981.4	5294.0	1840.0
5	2.01	2.2	2.06	955.96	306.06	153.03	0.15	24.0	2331.6	4592.1	941.1
6	1.83	3.6	1.88	292.58	364.87	182.44	0.15	24.0	2552.2	5690.5	981.0
7	1.19	4.7	1.25	651.31	248.66	124.33	0.15	24.0	1846.8	3764.6	644.4
8	1.01	5.5	1.05	408.96	237.99	119.0	0.15	24.0	1654.1	3715.7	589.0
9	1.01	6.2	1.06	359.21	279.81	139.9	0.15	24.0	1742.8	4571.8	660.2
10	1.01	6.9	1.07	163.48	315.19	157.6	0.15	24.0	1854.2	5261.1	717.7
11	1.01	7.7	1.07	365.51	324.08	162.04	0.15	24.0	1940.3	5376.2	727.6
12	1.01	8.4	1.07	374.82	324.49	162.25	0.15	24.0	2025.2	5301.1	722.0
13	1.01	9.2	1.07	302.81	321.32	160.66	0.15	24.0	2096.6	5158.8	710.8
14	1.01	9.9	1.0	7214.6	317.44	158.72	0.15	24.0	2142.7	5026.4	700.4
15	3.02	11.4	3.12	0598.74	906.34	453.17	1.4	27.0	0.0	19036.2	9811.1
16	12.34	17.2	12.99	9552.78	4380.32	2190.16	1.4	27.0	0.0	91136.3	42231.7
17	1.9	22.7	2.19	965.84	438.5	219.25	1.4	27.0	0.0	8232.7	6146.3
18	1.74	24.1	1.98	868.92	390.23	195.12	1.4	27.0	0.0	7195.9	5631.6
19	2.27	25.7	2.51	3664.32	601.23	300.62	0.15	24.0	269.0	13974.2	1858.0
20	2.27	27.6	2.62	4297.99	1069.11	534.56	0.15	24.0	0.0	25920.0	2857.6

xc = 54.345 yc = 85.165 Rc = 74.415 Fs=6.085

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.63	-1.8	0.6	95.94	4.22	2.11	0.0	21.0	0.0	96.2	6.1
2	1.01	-1.2	1.0	550.13	24.21	12.1	0.0	21.0	0.0	551.0	34.8
3	1.01	-0.4	1.0	845.66	37.21	18.6	0.0	21.0	0.0	846.0	53.4
4	1.01	0.4	1.01	060.01	46.64	23.32	0.0	21.0	0.0	1059.6	66.8
5	1.01	1.2	1.01	258.33	55.37	27.68	0.0	21.0	0.0	1257.0	79.3
6	3.02	2.7	3.04	401.74	193.68	96.84	0.0	21.0	0.0	4393.6	277.2
7	3.02	5.0	3.06	602.95	290.53	145.26	0.15	24.0	0.0	6520.7	1224.1
8	2.01	7.0	2.08	108.36	356.77	178.38	0.15	24.0	237.9	7798.2	1070.4
9	1.01	8.2	1.0	4505.8	198.26	99.13	0.15	24.0	253.1	4216.1	559.1
10	2.01	9.3	2.01	0278.14	452.24	226.12	0.15	24.0	710.9	9498.8	1197.8
11	0.83	10.4	0.84	104.12	180.58	90.29	0.15	24.0	345.3	3733.4	481.5
12	1.18	11.2	1.25	655.85	248.86	124.43	0.15	24.0	530.8	5092.2	669.5
13	1.01	12.1	1.04	915.35	216.28	108.14	1.4	27.0	0.0	4440.1	2739.3

14	1.27	13.0	1.3	5994.26	263.75	131.87	1.4	27.0	0.0	5355.1	3453.4
15	1.22	14.0	1.3	5163.44	227.19	113.6	1.4	27.0	0.0	4506.6	3272.3
16	0.68	14.7	0.7	3036.43	133.6	66.8	1.4	27.0	0.0	2654.0	1846.9
17	0.82	15.3	0.8	3914.69	172.25	86.12	1.4	27.0	0.0	3445.9	2236.8
18	0.27	15.8	0.3	1244.22	54.75	27.37	1.4	27.0	0.0	1085.8	733.6
19	5.59	18.1	5.9	49464.6	2176.44	1088.22	1.4	27.0	0.04	6347.0	17412.7
20	1.5	21.0	1.6	14878.43	654.65	327.33	0.15	24.0	0.01	5354.7	1520.9

xc = 57.353 yc = 83.573 Rc = 71.162 Fs=2.717

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	4.5	1.0	725.25	31.91	15.96	0.0	21.0	0.0	719.5	101.7
2	1.01	5.3	1.0	1710.29	75.25	37.63	0.0	21.0	0.0	1695.5	239.6
3	1.01	6.1	1.0	2017.29	88.76	44.38	0.0	21.0	0.0	1998.6	282.4
4	0.45	6.7	0.5	1008.18	44.36	22.18	0.0	21.0	0.0	998.5	141.1
5	0.55	7.1	0.6	1409.31	62.01	31.0	0.0	21.0	0.0	1395.6	197.2
6	1.01	7.7	1.0	2760.21	121.45	60.72	0.15	24.0	0.0	2650.6	995.0
7	1.03	8.5	1.0	2695.39	118.6	59.3	0.15	24.0	0.0	2576.0	996.0
8	0.98	9.4	1.0	2545.17	111.99	55.99	0.15	24.0	0.0	2423.2	948.1
9	1.01	10.2	1.0	2741.38	120.62	60.31	0.15	24.0	0.0	2607.1	991.7
10	0.6	10.8	0.6	1604.97	70.62	35.31	0.15	24.0	0.0	1522.2	584.6
11	0.68	11.4	0.7	1702.55	74.91	37.46	0.15	24.0	0.0	1607.1	644.3
12	1.22	12.1	1.2	2664.82	117.25	58.63	0.15	24.0	0.0	2489.7	1097.6
13	0.69	12.9	0.7	1695.47	74.6	37.3	0.15	24.0	0.0	1590.1	651.2
14	0.81	13.5	0.8	2305.1	101.42	50.71	0.15	24.0	0.0	2174.4	816.4
15	0.27	14.0	0.3	730.32	32.13	16.07	0.15	24.0	0.0	686.5	265.5
16	1.51	14.7	1.6	3548.96	156.15	78.08	0.15	24.0	0.0	3300.9	1402.0
17	0.86	15.7	0.9	2158.85	94.99	47.49	0.15	24.0	0.0	2010.8	824.2
18	0.86	16.4	0.9	9724.13	427.86	213.93	0.15	24.0	0.0	9531.3	2058.5
19	0.86	17.2	0.9	9298.41	409.13	204.57	0.15	24.0	0.0	9116.5	1992.4
20	0.86	17.9	0.9	7853.16	345.54	172.77	0.15	24.0	0.0	7684.2	1759.7

xc = 21.261 yc = 86.757 Rc = 81.241 Fs=1.96

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.32	6.9	0.3	105.32	4.63	2.32	0.0	21.0	0.0	103.6	20.3
2	0.27	7.1	0.3	184.11	8.1	4.05	0.0	21.0	0.0	181.1	35.5

3	0.29	7.3	0.3	217.1	9.55	4.78	0.0	21.0	0.0	213.5	41.8
4	0.29	7.5	0.3	232.87	10.25	5.12	0.0	21.0	0.0	229.0	44.8
5	0.15	7.7	0.1	122.89	5.41	2.7	0.0	21.0	0.0	120.8	23.7
6	0.44	7.9	0.4	371.74	16.36	8.18	0.0	21.0	0.0	365.4	71.5
7	0.29	8.2	0.3	247.95	10.91	5.45	0.0	21.0	0.0	243.6	47.7
8	0.27	8.4	0.3	227.22	10.0	5.0	0.0	21.0	0.0	223.2	43.7
9	0.32	8.6	0.3	250.28	11.01	5.51	0.0	21.0	0.0	245.9	48.1
10	0.29	8.8	0.3	202.93	8.93	4.46	0.0	21.0	0.0	199.3	39.0
11	0.39	9.0	0.4	227.0	9.99	4.99	0.0	21.0	0.0	222.9	43.6
12	0.2	9.2	0.2	95.17	4.19	2.09	0.0	21.0	0.0	93.4	18.3
13	0.29	9.4	0.3	125.53	5.52	2.76	0.0	21.0	0.0	123.2	24.1
14	0.29	9.6	0.3	103.41	4.55	2.27	0.0	21.0	0.0	101.5	19.9
15	0.22	9.8	0.2	62.93	2.77	1.38	0.0	21.0	0.0	61.8	12.1
16	0.37	10.0	0.4	85.0	3.74	1.87	0.0	21.0	0.0	83.4	16.3
17	0.29	10.3	0.3	55.66	2.45	1.22	0.0	21.0	0.0	54.6	10.7
18	0.34	10.5	0.4	50.12	2.21	1.1	0.0	21.0	0.0	49.2	9.6
19	0.24	10.7	0.2	22.99	1.01	0.51	0.0	21.0	0.0	22.6	4.4
20	0.29	10.9	0.3	9.93	0.44	0.22	0.0	21.0	0.0	9.7	1.9

xc = 24.268 yc = 88.348 Rc = 83.295 Fs=1.377

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.99	4.4	1.0	1041.29	45.82	22.91	0.0	21.0	0.0	1022.3	285.0
2	1.01	5.1	1.0	2253.75	99.17	49.58	0.0	21.0	0.0	2207.7	615.5
3	1.01	5.8	1.0	2419.0	106.44	53.22	0.0	21.0	0.0	2364.4	659.2
4	1.01	6.5	1.0	2328.59	102.46	51.23	0.0	21.0	48.3	2224.4	620.2
5	1.01	7.2	1.0	2112.75	92.96	46.48	0.0	21.0	106.5	1953.4	544.6
6	1.01	7.9	1.0	1994.69	87.77	43.88	0.0	21.0	152.2	1790.9	499.3
7	1.01	8.6	1.0	1890.62	83.19	41.59	0.0	21.0	185.3	1655.0	461.4
8	2.01	9.7	2.0	3008.83	132.39	66.19	0.0	21.0	410.3	2516.5	701.6
9	1.01	10.7	1.0	1083.7	47.68	23.84	0.0	21.0	196.4	857.8	239.2
10	1.01	11.4	1.0	885.12	38.95	19.47	0.0	21.0	166.4	694.2	193.5
11	1.01	12.1	1.0	792.82	34.88	17.44	0.0	21.0	135.4	634.4	176.9
12	1.01	12.8	1.0	741.47	32.62	16.31	0.0	21.0	91.4	626.9	174.8
13	1.01	13.5	1.0	796.0	35.02	17.51	0.0	21.0	22.1	745.9	208.0
14	1.01	14.3	1.0	984.15	43.3	21.65	0.0	21.0	0.0	948.2	264.4
15	1.01	15.0	1.0	1147.44	50.49	25.24	0.0	21.0	0.0	1105.3	308.2
16	3.02	16.4	3.1	3441.52	151.43	75.71	0.0	21.0	0.0	3315.4	924.4
17	3.11	18.6	3.3	5213.19	229.38	114.69	0.0	21.0	0.0	5028.7	1402.1
18	0.92	20.1	1.0	1622.4	71.39	35.69	0.0	21.0	0.0	1567.6	437.1
19	1.01	20.8	1.1	1358.77	59.79	29.89	0.0	21.0	0.0	1314.3	366.4
20	1.99	21.9	2.1	1280.41	56.34	28.17	0.0	21.0	0.0	1240.9	346.0

xc = 30.284 yc = 88.348 Rc = 83.532 Fs=2.48

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.81	-0.3	0.8	318.27	14.0	7.0	0.0	21.0	93.1	225.4	34.9
2	1.01	0.3	1.01	940.97	85.4	42.7	0.0	21.0	297.5	1642.2	254.2
3	1.01	1.0	1.03	289.71	144.75	72.37	0.0	21.0	466.5	2816.3	436.0
4	1.01	1.7	1.03	591.13	158.01	79.0	0.0	21.0	623.2	2956.0	457.6
5	1.01	2.3	1.03	640.62	160.19	80.09	0.15	24.0	755.7	2841.5	1119.3
6	1.01	3.0	1.03	569.35	157.05	78.53	0.15	24.0	888.0	2627.8	1081.3
7	1.01	3.7	1.03	595.79	158.21	79.11	0.15	24.0	1008.0	2524.0	1063.1
8	3.02	5.1	3.01	0652.18	468.7	234.35	0.15	24.0	3597.6	6809.2	3055.8
9	8.61	9.1	8.73	0049.81	1322.19	661.1	0.15	24.0	12730.9	16222.9	8190.6
10	1.45	12.7	1.56	350.08	279.4	139.7	0.15	24.0	2015.3	4076.8	1629.7
11	1.01	13.5	1.04	792.02	210.85	105.42	0.15	24.0	1329.4	3269.7	1213.1
12	1.01	14.2	1.05	463.66	240.4	120.2	0.15	24.0	1271.5	3984.3	1343.3
13	1.01	14.9	1.05	988.89	263.51	131.76	0.15	24.0	1236.0	4533.9	1444.0
14	1.01	15.7	1.05	911.34	260.1	130.05	0.15	24.0	1175.0	4514.5	1442.7
15	1.01	16.4	1.05	640.35	248.18	124.09	0.15	24.0	1112.3	4305.9	1407.5
16	1.01	17.1	1.15	287.25	232.64	116.32	0.15	24.0	1035.8	4029.6	1360.3
17	1.01	17.8	1.14	916.94	216.35	108.17	0.15	24.0	933.4	3761.7	1314.7
18	3.02	19.3	3.21	1956.25	526.07	263.04	0.15	24.0	2129.7	9158.6	3578.8
19	9.02	23.8	9.92	9442.48	1295.47	647.73	0.15	24.0	0.0	27379.9	10879.0
20	2.05	27.9	2.31	214.91	53.46	26.73	0.0	21.0	0.0	1270.8	196.7

xc = 33.291 yc = 86.757 Rc = 81.59 Fs=2.425

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.03	-1.8	1.01	215.08	53.46	26.73	0.0	21.0	0.0	1221.9	193.4
2	1.01	-1.1	1.0	2632.4	115.83	57.91	0.0	21.0	111.2	2529.6	400.4
3	1.01	-0.4	1.03	001.86	132.08	66.04	0.0	21.0	304.6	2700.4	427.4
4	1.01	0.3	1.03	115.56	137.08	68.54	0.0	21.0	473.7	2639.8	417.8
5	1.01	1.0	1.03	103.78	136.57	68.28	0.0	21.0	642.2	2455.2	388.6
6	1.01	1.7	1.0	3197.2	140.68	70.34	0.15	24.0	798.2	2368.6	1057.4
7	3.02	3.1	3.0	9862.9	433.97	216.98	0.15	24.0	3182.2	6523.4	3067.4
8	8.05	7.0	8.12	8350.68	1247.43	623.72	0.15	24.0	12305.6	15203.7	7807.6
9	2.01	10.6	2.09	467.47	416.57	208.28	0.15	24.0	3282.6	5854.2	2341.0
10	2.01	12.0	2.11	0913.22	480.18	240.09	0.15	24.0	3167.7	7360.1	2623.9

11	3.02	13.9	3.1	19894.55	875.36	437.68	0.15	24.0	4662.0	14555.7	4595.2
12	2.01	15.7	2.1	12087.05	531.83	265.92	0.15	24.0	2901.4	8728.0	2895.1
13	1.28	16.9	1.3	6892.0	303.25	151.62	0.15	24.0	1683.9	4918.2	1728.0
14	1.74	18.0	1.8	8107.26	356.72	178.36	0.15	24.0	2053.7	5659.4	2171.9
15	1.01	19.0	1.1	4286.86	188.62	94.31	0.15	24.0	1035.4	3021.1	1212.9
16	1.01	19.8	1.1	4240.74	186.59	93.3	0.15	24.0	895.1	3112.2	1232.6
17	1.01	20.5	1.1	4063.92	178.81	89.41	0.15	24.0	751.8	3076.4	1229.2
18	1.01	21.3	1.1	4323.84	190.25	95.12	0.15	24.0	593.3	3493.6	1309.2
19	1.01	22.0	1.1	4721.99	207.77	103.88	0.15	24.0	407.4	4079.7	1420.3
20	8.02	25.5	8.9	22508.91	990.39	495.2	0.15	24.0	0.0	20521.1	9261.3

xc = 36.299 yc = 88.348 Rc = 82.597 Fs=2.301

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.44	-3.7	0.4	233.12	10.26	5.13	0.0	21.0	0.0	236.1	39.4
2	1.01	-3.2	1.0	1333.3	58.67	29.33	0.0	21.0	0.0	1347.9	224.9
3	1.01	-2.5	1.0	1770.78	77.91	38.96	0.0	21.0	0.0	1785.5	297.8
4	1.01	-1.8	1.0	1952.7	85.92	42.96	0.0	21.0	0.0	1963.9	327.6
5	1.01	-1.1	1.0	2009.4	88.41	44.21	0.0	21.0	50.6	1965.4	327.9
6	1.01	-0.4	1.0	2164.23	95.23	47.61	0.0	21.0	243.8	1922.7	320.7
7	3.02	1.0	3.0	7132.72	313.84	156.92	0.0	21.0	1743.6	5374.4	896.5
8	10.06	5.5	10.1	34088.59	1499.9	749.95	0.15	24.0	13570.8	19605.5	10383.0
9	2.01	9.8	2.0	10961.09	482.29	241.14	0.15	24.0	3192.9	7406.7	2764.1
10	3.02	11.5	3.1	20568.61	905.02	452.51	0.15	24.0	5016.8	14874.9	4886.3
11	2.01	13.3	2.1	12950.53	569.82	284.91	0.15	24.0	3355.8	9122.7	3113.2
12	1.64	14.6	1.7	9713.63	427.4	213.7	0.15	24.0	2651.5	6673.5	2394.9
13	1.38	15.7	1.4	7316.71	321.94	160.97	0.15	24.0	2129.6	4860.9	1875.2
14	1.01	16.6	1.0	5110.05	224.84	112.42	0.15	24.0	1468.7	3399.7	1342.1
15	1.01	17.3	1.1	5154.68	226.81	113.4	0.15	24.0	1376.1	3530.8	1370.1
16	1.01	18.0	1.1	5070.13	223.09	111.54	0.15	24.0	1281.4	3537.0	1374.2
17	1.01	18.8	1.1	5423.97	238.65	119.33	0.15	24.0	1172.3	3992.5	1465.2
18	1.01	19.5	1.1	5917.71	260.38	130.19	0.15	24.0	1036.7	4615.3	1588.9
19	1.01	20.3	1.1	5731.93	252.21	126.1	0.15	24.0	898.4	4568.0	1583.0
20	10.74	24.7	11.8	36934.01	1625.1	812.55	0.15	24.0	0.0	34077.0	14300.1

xc = 39.307 yc = 86.757 Rc = 80.656 Fs=4.836

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

-											
1	0.92	-5.4	0.9	253.99	11.18	5.59	0.0	21.0	0.0	257.0	20.4
2	1.01	-4.7	1.0	761.96	33.53	16.76	0.0	21.0	0.0	769.5	61.1
3	1.01	-4.0	1.01	015.78	44.69	22.35	0.0	21.0	0.0	1023.9	81.3
4	1.01	-3.3	1.01	143.67	50.32	25.16	0.0	21.0	0.0	1150.7	91.3
5	1.01	-2.5	1.01	369.07	60.24	30.12	0.0	21.0	0.0	1375.3	109.2
6	3.02	-1.1	3.05	165.05	227.26	113.63	0.0	21.0	680.0	4492.9	356.7
7	8.4	2.9	8.42	3525.35	1035.12	517.56	0.15	24.0	9537.9	13806.7	3878.8
8	1.67	6.5	1.77	865.38	346.08	173.04	0.15	24.0	2649.7	5136.0	993.2
9	1.01	7.5	1.0	5448.0	239.71	119.86	0.15	24.0	1674.6	3719.4	657.2
10	1.01	8.2	1.06	329.77	278.51	139.26	0.15	24.0	1727.3	4544.3	733.7
11	1.01	8.9	1.07	065.83	310.9	155.45	0.15	24.0	1802.8	5202.7	795.0
12	1.01	9.6	1.07	199.89	316.8	158.4	0.15	24.0	1853.2	5286.9	803.4
13	1.01	10.4	1.07	141.44	314.22	157.11	0.15	24.0	1902.3	5180.8	794.3
14	1.01	11.1	1.07	001.89	308.08	154.04	0.15	24.0	1938.2	5007.3	779.1
15	1.01	11.8	1.06	846.26	301.24	150.62	0.15	24.0	1948.8	4843.5	764.8
16	3.02	13.3	3.11	9044.03	837.94	418.97	0.15	24.0	5860.1	13036.1	2162.4
17	12.34	19.0	13.18	4471.48	3716.75	1858.37	1.4	27.0	0.0	73638.1	45555.4
18	1.9	24.4	2.16	635.04	291.94	145.97	0.15	24.0	288.4	6408.0	1238.6
19	2.07	26.0	2.36	751.48	297.07	148.53	0.15	24.0	0.0	6855.4	1344.6
20	2.34	27.7	2.61	1905.02	523.82	261.91	0.15	24.0	0.0	12419.0	1962.4

xc = 42.314 yc = 88.348 Rc = 81.663 Fs=5.64

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Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
-											
1	0.31	-4.4	0.3	16.62	0.73	0.37	0.0	21.0	0.0	16.8	1.1
2	3.02	-3.2	3.0	1265.0	55.66	27.83	0.0	21.0	0.0	1271.9	86.6
3	4.02	-0.7	4.04	231.55	186.19	93.09	0.0	21.0	1080.8	3153.8	214.6
4	2.01	1.4	2.04	629.69	203.71	101.85	0.15	24.0	1562.6	3049.4	776.0
5	2.01	2.8	2.07	000.93	308.04	154.02	0.15	24.0	2111.2	4850.8	918.7
6	2.01	4.2	2.0	8139.5	358.14	179.07	0.15	24.0	2583.6	5499.5	970.7
7	3.02	6.0	3.01	7821.62	784.15	392.08	0.15	24.0	4567.4	13133.7	1843.9
8	2.01	7.8	2.01	4130.15	621.73	310.86	0.15	24.0	3563.3	10478.2	1367.3
9	2.01	9.2	2.01	3886.07	610.99	305.49	0.15	24.0	3848.2	9953.5	1327.8
10	1.7	10.5	1.71	1313.34	497.79	248.89	0.15	24.0	3392.8	7855.3	1079.9
11	1.32	11.6	1.38	232.44	362.23	181.11	0.15	24.0	2683.1	5502.3	792.3
12	1.01	12.4	1.06	271.91	275.96	137.98	1.4	27.0	0.0	5744.9	3076.3
13	1.01	13.1	1.06	527.75	287.22	143.61	1.4	27.0	0.0	5978.6	3104.7
14	1.01	13.9	1.06	650.27	292.61	146.31	1.4	27.0	0.0	6079.4	3121.6
15	1.01	14.6	1.07	207.08	317.11	158.56	1.4	27.0	0.0	6619.8	3178.8
16	1.01	15.3	1.07	899.75	347.59	173.79	1.4	27.0	0.0	7300.7	3249.1
17	1.01	16.1	1.07	907.91	347.95	173.97	1.4	27.0	0.0	7291.4	3257.6
18	1.01	16.8	1.18	004.42	352.19	176.1	1.4	27.0	0.0	7372.7	3274.8

19	1.01	17.5	1.18	031.01	353.36	176.68	1.4	27.0	0.07	384.1	3286.2
20	12.77	22.8	13.81	02964.9	4530.46	2265.23	1.4	27.0	0.09	3691.6	42827.1

xc = 54.345 yc = 88.348 Rc = 76.365 Fs=2.802

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.35	5.2	0.3	32.95	1.45	0.72	0.0	21.0	0.0	32.7	4.5
2	1.01	5.7	1.0	250.42	11.02	5.51	0.0	21.0	0.0	248.3	34.0
3	1.01	6.4	1.01	029.41	45.29	22.65	0.0	21.0	0.0	1020.2	139.8
4	1.01	7.2	1.0	1950.8	85.84	42.92	0.0	21.0	0.0	1932.9	264.8
5	1.01	7.9	1.02	195.41	96.6	48.3	0.0	21.0	0.0	2175.1	298.0
6	1.01	8.7	1.0	2535.6	111.57	55.78	0.0	21.0	0.0	2512.4	344.2
7	1.01	9.5	1.02	819.71	124.07	62.03	0.15	24.0	0.0	2696.1	974.5
8	0.71	10.1	0.71	905.44	83.84	41.92	0.15	24.0	0.0	1814.9	676.0
9	1.3	10.9	1.33	257.44	143.33	71.66	0.15	24.0	0.0	3086.5	1198.9
10	0.47	11.6	0.51	232.25	54.22	27.11	0.15	24.0	0.0	1166.8	444.5
11	0.53	12.0	0.51	394.13	61.34	30.67	0.15	24.0	0.0	1319.0	500.7
12	1.27	12.7	1.33	086.56	135.81	67.9	0.15	24.0	0.0	2903.1	1159.5
13	1.22	13.6	1.32	371.43	104.34	52.17	0.15	24.0	0.0	2192.8	1020.9
14	0.68	14.3	0.71	478.59	65.06	32.53	0.15	24.0	0.0	1373.8	595.6
15	0.82	14.9	0.82	058.96	90.59	45.3	0.15	24.0	0.0	1928.6	758.9
16	0.8	15.6	0.8	1821.6	80.15	40.08	0.15	24.0	0.0	1692.8	711.5
17	0.89	16.2	0.91	634.04	71.9	35.95	0.15	24.0	0.0	1489.1	731.1
18	0.89	16.9	0.9	1193.8	52.53	26.26	0.15	24.0	0.0	1046.4	662.5
19	0.89	17.6	0.9	9559.5	420.62	210.31	0.15	24.0	0.0	9397.3	1991.3
20	0.89	18.3	0.98	116.81	357.14	178.57	0.15	24.0	0.0	7965.3	1765.7

xc = 57.353 yc = 86.757 Rc = 73.196 Fs=1.848

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.36	6.5	0.4	41.48	1.83	0.91	0.0	21.0	0.0	40.8	8.5
2	0.36	6.8	0.4	123.57	5.44	2.72	0.0	21.0	0.0	121.4	25.2
3	0.26	7.0	0.3	140.11	6.16	3.08	0.0	21.0	0.0	137.6	28.6
4	0.45	7.3	0.5	288.15	12.68	6.34	0.0	21.0	0.0	283.0	58.8
5	0.36	7.6	0.4	230.8	10.16	5.08	0.0	21.0	0.0	226.6	47.1
6	0.2	7.8	0.2	129.31	5.69	2.84	0.0	21.0	0.0	126.9	26.4
7	0.51	8.1	0.5	303.91	13.37	6.69	0.0	21.0	0.0	298.2	61.9

8	0.36	8.4	0.4	168.63	7.42	3.71	0.0	21.0	0.0	165.4	34.4
9	0.36	8.7	0.4	140.32	6.17	3.09	0.0	21.0	0.0	137.6	28.6
10	0.36	9.0	0.4	164.49	7.24	3.62	0.0	21.0	0.0	161.2	33.5
11	0.43	9.3	0.4	230.54	10.14	5.07	0.0	21.0	0.0	225.9	46.9
12	0.28	9.6	0.3	164.01	7.22	3.61	0.0	21.0	0.0	160.7	33.4
13	0.36	9.9	0.4	220.64	9.71	4.85	0.0	21.0	0.0	216.1	44.9
14	0.37	10.1	0.4	243.41	10.71	5.36	0.0	21.0	0.0	238.4	49.5
15	0.34	10.4	0.3	213.58	9.4	4.7	0.0	21.0	0.0	209.2	43.5
16	0.36	10.7	0.4	190.72	8.39	4.2	0.0	21.0	0.0	186.8	38.8
17	0.36	11.0	0.4	156.07	6.87	3.43	0.0	21.0	0.0	152.8	31.7
18	0.22	11.2	0.2	79.21	3.49	1.74	0.0	21.0	0.0	77.6	16.1
19	0.49	11.5	0.5	114.12	5.02	2.51	0.0	21.0	0.0	111.7	23.2
20	0.36	11.8	0.4	24.91	1.1	0.55	0.0	21.0	0.0	24.4	5.1

xc = 21.261 yc = 89.94 Rc = 84.34 Fs=2.029

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.26	6.7	0.3	71.73	3.16	1.58	0.0	21.0	0.0	70.7	13.4
2	0.3	6.9	0.3	169.55	7.46	3.73	0.0	21.0	0.0	167.0	31.6
3	0.28	7.1	0.3	176.2	7.75	3.88	0.0	21.0	0.0	173.5	32.8
4	0.28	7.3	0.3	191.09	8.41	4.2	0.0	21.0	0.0	188.1	35.6
5	0.15	7.4	0.2	109.93	4.84	2.42	0.0	21.0	0.0	108.2	20.5
6	0.41	7.6	0.4	301.26	13.26	6.63	0.0	21.0	0.0	296.5	56.1
7	0.28	7.8	0.3	207.52	9.13	4.57	0.0	21.0	0.0	204.2	38.6
8	0.32	8.0	0.3	237.45	10.45	5.22	0.0	21.0	0.0	233.6	44.2
9	0.24	8.2	0.2	168.7	7.42	3.71	0.0	21.0	0.0	165.9	31.4
10	0.28	8.4	0.3	174.9	7.7	3.85	0.0	21.0	0.0	172.0	32.5
11	0.28	8.6	0.3	150.45	6.62	3.31	0.0	21.0	0.0	147.9	28.0
12	0.21	8.8	0.2	95.89	4.22	2.11	0.0	21.0	0.0	94.3	17.8
13	0.35	9.0	0.4	135.32	5.95	2.98	0.0	21.0	0.0	133.0	25.2
14	0.28	9.2	0.3	86.71	3.82	1.91	0.0	21.0	0.0	85.2	16.1
15	0.38	9.4	0.4	86.22	3.79	1.9	0.0	21.0	0.0	84.7	16.0
16	0.18	9.6	0.2	31.39	1.38	0.69	0.0	21.0	0.0	30.9	5.8
17	0.28	9.7	0.3	40.69	1.79	0.9	0.0	21.0	0.0	40.0	7.6
18	0.28	9.9	0.3	31.42	1.38	0.69	0.0	21.0	0.0	30.9	5.8
19	0.26	10.1	0.3	20.74	0.91	0.46	0.0	21.0	0.0	20.4	3.9
20	0.29	10.3	0.3	9.09	0.4	0.2	0.0	21.0	0.0	8.9	1.7

xc = 24.268 yc = 91.532 Rc = 86.465 Fs=1.34

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.98	4.3	1.0	1033.49	45.47	22.74	0.0	21.0	0.0	1014.7	290.6
2	1.01	4.9	1.0	2251.48	99.07	49.53	0.0	21.0	0.0	2205.4	631.7
3	1.01	5.6	1.0	2423.35	106.63	53.31	0.0	21.0	0.0	2368.5	678.4
4	1.01	6.3	1.0	2340.43	102.98	51.49	0.0	21.0	54.7	2229.4	638.6
5	1.01	6.9	1.0	2132.95	93.85	46.93	0.0	21.0	117.4	1962.0	562.0
6	1.01	7.6	1.0	2024.16	89.06	44.53	0.0	21.0	168.1	1803.5	516.6
7	1.01	8.3	1.0	1930.24	84.93	42.47	0.0	21.0	206.7	1672.0	478.9
8	2.01	9.3	2.0	3121.99	137.37	68.68	0.0	21.0	471.5	2565.5	734.8
9	1.01	10.3	1.0	1159.34	51.01	25.51	0.0	21.0	237.2	890.8	255.2
10	1.01	11.0	1.0	974.66	42.89	21.44	0.0	21.0	214.8	733.3	210.0
11	1.01	11.7	1.0	897.26	39.48	19.74	0.0	21.0	191.9	680.0	194.8
12	1.01	12.4	1.0	861.79	37.92	18.96	0.0	21.0	156.4	679.5	194.6
13	1.01	13.0	1.0	933.24	41.06	20.53	0.0	21.0	96.3	805.6	230.8
14	1.01	13.7	1.0	1139.36	50.13	25.07	0.0	21.0	35.5	1062.0	304.2
15	1.01	14.4	1.0	1321.68	58.15	29.08	0.0	21.0	0.0	1271.1	364.1
16	3.02	15.8	3.1	4088.6	179.9	89.95	0.0	21.0	0.0	3930.6	1125.8
17	4.02	18.2	4.2	9716.14	427.51	213.76	0.0	21.0	0.0	9347.8	2677.5
18	1.22	20.1	1.3	2023.02	89.01	44.51	0.0	21.0	0.0	1949.8	558.5
19	0.79	20.8	0.8	947.25	41.68	20.84	0.0	21.0	0.0	913.8	261.7
20	1.91	21.7	2.1	886.01	38.98	19.49	0.0	21.0	0.0	856.1	245.2

xc = 27.276 yc = 89.94 Rc = 85.003 Fs=2.60

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.52	1.8	0.5	122.17	5.38	2.69	0.0	21.0	0.0	121.7	18.0
2	1.01	2.3	1.0	1590.86	70.0	35.0	0.0	21.0	108.3	1475.0	217.8
3	1.01	3.0	1.0	2873.57	126.44	63.22	0.0	21.0	241.5	2615.5	386.1
4	1.01	3.7	1.0	3109.3	136.81	68.4	0.0	21.0	362.7	2726.4	402.5
5	1.01	4.3	1.0	3090.05	135.96	67.98	0.0	21.0	459.9	2608.5	385.1
6	1.01	5.0	1.0	2946.07	129.63	64.81	0.0	21.0	556.9	2367.6	349.5
7	1.01	5.7	1.0	2900.63	127.63	63.81	0.0	21.0	641.9	2237.0	330.3
8	3.02	7.1	3.0	8166.91	359.34	179.67	0.15	24.0	2289.6	5586.2	2711.2
9	7.04	10.5	7.2	15418.15	678.4	339.2	0.15	24.0	6081.8	8460.5	5581.1
10	1.55	13.5	1.6	4891.99	215.25	107.62	0.15	24.0	1089.5	3544.6	1526.2
11	1.47	14.5	1.5	4189.72	184.35	92.17	0.15	24.0	865.7	3071.0	1401.0
12	1.01	15.4	1.0	3172.08	139.57	69.79	0.15	24.0	476.8	2511.6	1032.0
13	1.01	16.1	1.0	3777.22	166.2	83.1	0.15	24.0	383.9	3199.5	1151.9
14	1.01	16.8	1.1	4235.73	186.37	93.19	0.15	24.0	313.3	3721.9	1243.6
15	1.01	17.5	1.1	4091.23	180.01	90.01	0.15	24.0	217.0	3672.1	1237.4

16	1.01	18.2	1.1	3752.97	165.13	82.57	0.15	24.0	118.9	3431.3	1198.6
17	1.01	18.9	1.1	3334.79	146.73	73.37	0.0	21.0	6.9	3348.5	494.3
18	1.01	19.6	1.1	2903.07	127.74	63.87	0.0	21.0	0.0	2928.1	432.3
19	1.01	20.4	1.1	2416.88	106.34	53.17	0.0	21.0	0.0	2444.0	360.8
20	8.65	23.9	9.5	3983.48	175.27	87.64	0.0	21.0	0.0	4089.8	603.8

xc = 33.291 yc = 89.94 Rc = 84.538 Fs=2.425

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.83	-1.7	0.8	813.6	35.8	17.9	0.0	21.0	0.0	817.8	129.5
2	1.01	-1.1	1.0	2194.68	96.57	48.28	0.0	21.0	0.0	2201.7	348.6
3	1.01	-0.4	1.0	2563.28	112.78	56.39	0.0	21.0	67.6	2498.5	395.6
4	1.01	0.3	1.0	2676.9	117.78	58.89	0.0	21.0	236.5	2438.5	386.0
5	1.01	1.0	1.0	2665.84	117.3	58.65	0.0	21.0	405.5	2254.7	357.0
6	1.01	1.6	1.0	2753.49	121.15	60.58	0.0	21.0	562.3	2182.1	345.5
7	3.02	3.0	3.0	8535.38	375.56	187.78	0.15	24.0	2483.5	5904.8	2954.2
8	8.06	6.8	8.1	25113.27	1104.98	552.49	0.15	24.0	10588.7	13729.5	7541.3
9	2.0	10.2	2.0	8720.75	383.71	191.86	0.15	24.0	2893.2	5511.7	2271.6
10	1.01	11.3	1.0	4982.15	219.21	109.61	0.15	24.0	1429.5	3372.7	1254.0
11	1.01	12.0	1.0	5733.48	252.27	126.14	0.15	24.0	1413.5	4120.8	1392.9
12	1.01	12.7	1.0	6339.38	278.93	139.47	0.15	24.0	1420.5	4704.2	1501.8
13	1.01	13.4	1.0	6343.54	279.12	139.56	0.15	24.0	1402.4	4720.7	1506.6
14	1.01	14.1	1.0	6155.37	270.84	135.42	0.15	24.0	1383.4	4549.5	1477.1
15	1.01	14.8	1.0	5886.23	258.99	129.5	0.15	24.0	1351.1	4311.7	1435.4
16	1.01	15.5	1.0	5601.08	246.45	123.22	0.15	24.0	1293.4	4083.3	1395.7
17	3.02	16.9	3.2	14531.44	639.38	319.69	0.15	24.0	3485.0	10373.4	3856.4
18	10.06	21.6	10.8	46457.16	2044.12	1022.06	0.15	24.0	3162.5	40938.3	14213.5
19	1.17	25.7	1.3	2641.59	116.23	58.11	0.15	24.0	0.0	2339.0	1231.1
20	2.12	27.0	2.4	2161.75	95.12	47.56	0.15	24.0	0.0	1533.8	1751.8

xc = 39.307 yc = 89.94 Rc = 83.604 Fs=3.199

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.23	-5.0	0.2	15.16	0.67	0.33	0.0	21.0	0.0	15.4	1.8
2	1.01	-4.5	1.0	341.07	15.01	7.5	0.0	21.0	0.0	345.4	41.4
3	1.01	-3.8	1.0	589.83	25.95	12.98	0.0	21.0	0.0	596.0	71.5
4	1.01	-3.1	1.0	713.53	31.4	15.7	0.0	21.0	0.0	719.4	86.3

5	1.01	-2.5	1.0	935.57	41.16	20.58	0.0	21.0	0.0	941.3	112.9
6	3.02	-1.1	3.0	3851.89	169.48	84.74	0.0	21.0	0.0	3861.3	463.3
7	10.06	3.4	10.1	27455.42	1208.04	604.02	0.15	24.0	10079.7	16984.0	7089.4
8	2.01	7.6	2.0	10519.94	462.88	231.44	0.15	24.0	2960.7	7363.1	1976.5
9	2.01	9.0	2.0	13505.73	594.25	297.13	0.15	24.0	3260.8	10001.4	2347.0
10	2.01	10.4	2.0	13321.05	586.13	293.06	0.15	24.0	3459.5	9605.3	2295.8
11	2.12	11.8	2.2	13427.88	590.83	295.41	0.15	24.0	3773.3	9378.2	2320.7
12	1.9	13.2	2.0	11020.47	484.9	242.45	0.15	24.0	3378.9	7392.5	1945.9
13	1.01	14.2	1.0	5647.48	248.49	124.24	0.15	24.0	1751.5	3763.0	1010.4
14	1.01	15.0	1.0	5777.36	254.2	127.1	0.15	24.0	1703.9	3939.5	1036.5
15	1.01	15.7	1.0	5779.3	254.29	127.14	0.15	24.0	1654.7	3990.6	1045.3
16	1.01	16.4	1.0	6255.82	275.26	137.63	1.4	27.0	0.0	4940.1	5376.1
17	1.01	17.1	1.1	6870.04	302.28	151.14	1.4	27.0	0.0	5500.9	5482.8
18	1.01	17.8	1.1	6799.65	299.18	149.59	1.4	27.0	0.0	5379.9	5481.8
19	1.01	18.6	1.1	6817.46	299.97	149.98	1.4	27.0	0.0	5346.7	5495.9
20	11.91	23.4	13.0	57464.23	2528.43	1264.21	0.15	24.0	2977.3	53509.6	13528.5

xc = 45.322 yc = 89.94 Rc = 82.576 Fs=5.446

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.97	-1.8	1.0	237.64	10.46	5.23	0.0	21.0	0.0	238.3	16.8
2	1.01	-1.1	1.0	777.35	34.2	17.1	0.0	21.0	12.1	766.4	54.0
3	1.01	-0.4	1.0	1452.68	63.92	31.96	0.0	21.0	204.9	1248.4	88.0
4	1.01	0.3	1.0	2111.0	92.88	46.44	0.15	24.0	385.3	1723.4	418.1
5	3.02	1.7	3.0	9350.32	411.41	205.71	0.15	24.0	2091.7	7219.3	1422.1
6	5.03	4.5	5.0	30141.75	1326.24	663.12	0.15	24.0	6283.8	23669.7	3325.3
7	2.01	7.0	2.0	12959.26	570.21	285.1	0.15	24.0	3360.4	9507.0	1335.7
8	1.86	8.3	1.9	11793.61	518.92	259.46	0.15	24.0	3423.7	8284.1	1195.6
9	1.16	9.4	1.2	6980.75	307.15	153.58	0.15	24.0	2241.6	4686.7	706.2
10	1.01	10.1	1.0	6132.3	269.82	134.91	1.4	27.0	0.0	5664.6	3157.9
11	1.01	10.9	1.0	6484.5	285.32	142.66	1.4	27.0	0.0	5990.1	3194.4
12	1.01	11.6	1.0	6704.48	295.0	147.5	1.4	27.0	0.0	6184.6	3219.1
13	1.01	12.3	1.0	7359.95	323.84	161.92	1.4	27.0	0.0	6817.1	3285.3
14	1.01	13.0	1.0	8152.5	358.71	179.35	1.4	27.0	0.0	7590.2	3365.0
15	1.01	13.7	1.0	8261.84	363.52	181.76	1.4	27.0	0.0	7679.2	3381.2
16	1.01	14.4	1.0	8460.93	372.28	186.14	1.4	27.0	0.0	7859.9	3406.5
17	3.02	15.9	3.1	24759.61	1089.42	544.71	1.4	27.0	0.0	22838.6	10205.4
18	8.67	20.2	9.2	71562.62	3148.76	1574.38	1.4	27.0	0.0	65267.4	29863.0
19	1.99	24.1	2.2	25460.41	1120.26	560.13	1.4	27.0	0.0	24367.1	7884.2
20	1.99	25.7	2.2	20715.84	911.5	455.75	0.15	24.0	106.1	21720.3	2383.8

xc = 48.33 yc = 91.532 Rc = 82.735 Fs=5.689

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.59	-0.9	0.6	142.33	6.26	3.13	0.0	21.0	0.0	142.5	9.6
2	2.01	0.0	2.0	983.85	43.29	21.64	0.0	21.0	0.0	983.9	66.4
3	1.01	1.0	1.0	1602.9	70.53	35.26	0.0	21.0	0.0	1601.2	108.1
4	1.01	1.7	1.0	2693.55	118.52	59.26	0.0	21.0	0.0	2689.3	181.5
5	1.01	2.4	1.0	3640.4	160.18	80.09	0.0	21.0	0.0	3633.3	245.2
6	1.01	3.1	1.0	3993.21	175.7	87.85	0.15	24.0	165.4	3802.8	563.3
7	1.01	3.8	1.0	4157.89	182.95	91.47	0.15	24.0	332.1	3796.8	563.1
8	1.01	4.5	1.0	4243.16	186.7	93.35	0.15	24.0	486.3	3724.6	557.6
9	1.01	5.2	1.0	4314.12	189.82	94.91	0.15	24.0	616.1	3662.9	553.1
10	3.02	6.6	3.0	12824.77	564.29	282.14	0.15	24.0	2586.8	10121.8	1593.5
11	7.04	10.1	7.2	38771.11	1705.93	852.96	0.15	24.0	8629.2	29864.7	4224.1
12	1.52	13.2	1.6	10589.05	465.92	232.96	1.4	27.0	0.0	9771.4	4718.3
13	1.5	14.2	1.5	9827.6	432.41	216.21	1.4	27.0	0.0	8970.1	4607.0
14	1.01	15.1	1.0	6614.16	291.02	145.51	1.4	27.0	0.0	6012.4	3103.8
15	1.27	16.0	1.3	7957.01	350.11	175.05	1.4	27.0	0.0	7161.2	3898.9
16	1.22	16.9	1.3	6855.2	301.63	150.81	1.4	27.0	0.0	6047.6	3681.4
17	0.68	17.5	0.7	3902.49	171.71	85.85	1.4	27.0	0.0	3438.3	2070.6
18	0.82	18.1	0.9	4875.88	214.54	107.27	1.4	27.0	0.0	4312.6	2500.5
19	0.27	18.5	0.3	1543.09	67.9	33.95	1.4	27.0	0.0	1353.3	818.8
20	7.39	21.3	7.9	72323.76	3182.25	1591.12	1.4	27.0	0.0	67653.0	25581.2

xc = 51.337 yc = 89.94 Rc = 79.545 Fs=2.393

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.37	-0.1	0.4	107.54	4.73	2.37	0.0	21.0	0.0	107.6	17.3
2	1.01	0.3	1.0	798.64	35.14	17.57	0.0	21.0	0.0	797.9	128.0
3	1.01	1.1	1.0	1212.92	53.37	26.68	0.0	21.0	0.0	1209.5	194.0
4	1.01	1.8	1.0	1435.95	63.18	31.59	0.0	21.0	0.0	1429.5	229.3
5	1.01	2.5	1.0	1579.4	69.49	34.75	0.0	21.0	0.0	1569.8	251.9
6	1.01	3.2	1.0	1708.42	75.17	37.59	0.0	21.0	0.0	1695.7	272.1
7	3.02	4.7	3.0	5349.79	235.39	117.7	0.0	21.0	0.0	5297.9	850.0
8	4.02	7.3	4.1	10329.02	454.48	227.24	0.15	24.0	0.0	9855.2	4377.4
9	1.01	9.1	1.0	4205.08	185.02	92.51	0.15	24.0	135.4	3903.2	1365.1
10	2.01	10.2	2.0	8821.35	388.14	194.07	0.15	24.0	426.9	8030.1	2776.0
11	1.01	11.3	1.0	4903.21	215.74	107.87	0.15	24.0	261.3	4440.1	1469.5
12	2.01	12.4	2.1	8925.69	392.73	196.37	0.15	24.0	557.3	7958.6	2772.7

13	1.01	13.5	1.04	523.95	199.05	99.53	0.15	24.0	265.0	4043.4	1401.2
14	1.31	14.4	1.45	545.77	244.01	122.01	0.15	24.0	311.9	4949.7	1768.7
15	1.18	15.3	1.24	350.49	191.42	95.71	0.15	24.0	215.4	3879.0	1491.3
16	0.68	16.0	0.72	629.62	115.7	57.85	0.15	24.0	84.0	2392.8	890.7
17	0.82	16.6	0.93	399.34	149.57	74.79	0.15	24.0	57.9	3152.8	1120.8
18	0.27	17.0	0.31	068.39	47.01	23.5	0.15	24.0	7.1	999.1	362.1
19	4.47	18.8	4.73	3316.01	1465.9	732.95	0.15	24.0	0.03	2147.7	8945.0
20	1.49	21.1	1.61	4669.5	645.46	322.73	0.15	24.0	0.01	4309.7	3660.6

xc = 54.345 yc = 91.532 Rc = 78.264 Fs=1.678

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.29	8.4	0.3	24.85	1.09	0.55	0.0	21.0	0.0	24.3	5.6
2	0.29	8.6	0.3	74.11	3.26	1.63	0.0	21.0	0.0	72.5	16.6
3	0.24	8.8	0.2	97.6	4.29	2.15	0.0	21.0	0.0	95.4	21.8
4	0.34	9.0	0.3	161.96	7.13	3.56	0.0	21.0	0.0	158.3	36.2
5	0.29	9.2	0.3	135.77	5.97	2.99	0.0	21.0	0.0	132.6	30.3
6	0.38	9.5	0.4	173.06	7.61	3.81	0.0	21.0	0.0	169.0	38.7
7	0.2	9.7	0.2	85.17	3.75	1.87	0.0	21.0	0.0	83.2	19.0
8	0.29	9.9	0.3	99.21	4.37	2.18	0.0	21.0	0.0	96.8	22.2
9	0.29	10.1	0.3	71.97	3.17	1.58	0.0	21.0	0.0	70.2	16.1
10	0.29	10.3	0.3	44.12	1.94	0.97	0.0	21.0	0.0	43.1	9.8
11	0.29	10.5	0.3	44.64	1.96	0.98	0.0	21.0	0.0	43.6	10.0
12	0.29	10.7	0.3	55.77	2.45	1.23	0.0	21.0	0.0	54.4	12.4
13	0.36	11.0	0.4	84.93	3.74	1.87	0.0	21.0	0.0	82.8	18.9
14	0.22	11.2	0.2	56.25	2.47	1.24	0.0	21.0	0.0	54.9	12.5
15	0.29	11.4	0.3	79.57	3.5	1.75	0.0	21.0	0.0	77.6	17.8
16	0.29	11.6	0.3	83.5	3.67	1.84	0.0	21.0	0.0	81.4	18.6
17	0.21	11.8	0.2	63.44	2.79	1.4	0.0	21.0	0.0	61.9	14.2
18	0.37	12.0	0.4	89.96	3.96	1.98	0.0	21.0	0.0	87.7	20.1
19	0.29	12.2	0.3	41.01	1.8	0.9	0.0	21.0	0.0	40.0	9.1
20	0.29	12.5	0.3	13.82	0.61	0.3	0.0	21.0	0.0	13.5	3.1

xc = 27.276 yc = 93.123 Rc = 88.173 Fs=2.492

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.5	1.7	0.5	110.93	4.88	2.44	0.0	21.0	0.0	110.5	17.0

2	1.01	2.2	1.01	570.44	69.1	34.55	0.0	21.0	97.3	1465.5	225.7
3	1.01	2.9	1.02	856.27	125.68	62.84	0.0	21.0	232.2	2607.3	401.6
4	1.01	3.5	1.03	095.92	136.22	68.11	0.0	21.0	355.5	2719.8	418.9
5	1.01	4.2	1.0	3081.4	135.58	67.79	0.0	21.0	455.2	2603.9	401.0
6	1.01	4.8	1.02	942.96	129.49	64.75	0.0	21.0	555.2	2365.4	364.3
7	1.01	5.5	1.02	903.88	127.77	63.89	0.0	21.0	643.6	2237.6	344.6
8	3.02	6.8	3.08	223.88	361.85	180.93	0.15	24.0	2319.5	5608.1	2831.3
9	8.05	10.5	8.21	8645.87	820.42	410.21	0.15	24.0	7197.8	10389.5	6782.1
10	2.01	13.8	2.15	891.62	259.23	129.62	0.15	24.0	1400.5	4136.9	1986.0
11	2.01	15.1	2.16	892.14	303.25	151.63	0.15	24.0	1051.3	5448.0	2227.9
12	1.01	16.2	1.0	4469.3	196.65	98.32	0.15	24.0	436.2	3818.7	1312.6
13	2.01	17.2	2.18	565.36	376.88	188.44	0.15	24.0	634.4	7495.4	2606.6
14	2.01	18.6	2.16	985.27	307.35	153.68	0.15	24.0	216.2	6331.7	2408.6
15	1.63	19.8	1.74	279.83	188.31	94.16	0.0	21.0	0.0	4310.0	663.8
16	1.39	20.9	1.52	403.37	105.75	52.87	0.0	21.0	0.0	2429.4	374.2
17	1.01	21.7	1.11	285.41	56.56	28.28	0.0	21.0	0.0	1303.5	200.8
18	1.01	22.4	1.11	141.22	50.21	25.11	0.0	21.0	0.0	1160.7	178.8
19	1.01	23.1	1.1	867.6	38.17	19.09	0.0	21.0	0.0	885.1	136.3
20	5.02	25.3	5.54	804.23	211.39	105.69	0.0	21.0	0.0	4952.4	762.7

xc = 30.284 yc = 94.715 Rc = 89.417 Fs=2.668

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.96	0.3	1.01	048.15	46.12	23.06	0.0	21.0	0.0	1047.4	150.7
2	1.01	0.9	1.02	395.83	105.42	52.71	0.0	21.0	0.0	2390.7	344.0
3	1.01	1.5	1.02	700.09	118.8	59.4	0.0	21.0	141.5	2549.6	366.8
4	1.01	2.2	1.02	750.57	121.03	60.51	0.0	21.0	276.4	2462.4	354.3
5	1.01	2.8	1.02	677.56	117.81	58.91	0.0	21.0	411.8	2252.5	324.1
6	1.01	3.5	1.02	704.38	118.99	59.5	0.0	21.0	535.8	2153.8	309.9
7	3.02	4.8	3.08	019.62	352.86	176.43	0.15	24.0	2212.0	5607.3	2638.6
8	8.05	8.4	8.12	1208.13	933.16	466.58	0.15	24.0	8546.4	11835.6	6548.9
9	2.01	11.6	2.1	7276.5	320.17	160.08	0.15	24.0	2129.4	4850.8	1964.5
10	2.01	12.9	2.18	587.23	377.84	188.92	0.15	24.0	1943.5	6308.2	2213.5
11	2.01	14.3	2.11	0827.75	476.42	238.21	0.15	24.0	1851.4	8600.2	2602.5
12	2.01	15.6	2.19	899.71	435.59	217.79	0.15	24.0	1658.8	7861.8	2486.5
13	2.01	16.9	2.18	591.67	378.03	189.02	0.15	24.0	1388.2	6823.2	2321.3
14	2.01	18.3	2.16	759.33	297.41	148.71	0.15	24.0	989.4	5386.0	2090.4
15	2.01	19.7	2.15	667.74	249.38	124.69	0.15	24.0	484.1	4789.7	2000.7
16	2.01	21.0	2.24	927.76	216.82	108.41	0.15	24.0	0.0	4523.2	1966.9
17	2.01	22.4	2.26	507.21	286.32	143.16	0.15	24.0	0.0	6113.5	2244.1
18	2.01	23.8	2.25	745.31	252.79	126.4	0.15	24.0	0.0	5340.9	2128.0
19	1.59	25.1	1.82	564.51	112.84	56.42	0.0	21.0	0.0	2653.1	381.7
20	2.04	26.4	2.31	488.85	65.51	32.75	0.0	21.0	0.0	1551.3	223.2

xc = 33.291 yc = 93.123 Rc = 87.486 Fs=2.386

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.65	-1.6	0.6	491.77	21.64	10.82	0.0	21.0	0.0	494.2	79.5
2	1.01	-1.0	1.01	756.89	77.3	38.65	0.0	21.0	0.0	1762.4	283.5
3	1.01	-0.4	1.02	124.67	93.49	46.74	0.0	21.0	0.0	2127.0	342.2
4	1.01	0.3	1.02	238.22	98.48	49.24	0.0	21.0	0.0	2236.5	359.8
5	1.01	0.9	1.02	227.86	98.03	49.01	0.0	21.0	168.7	2054.1	330.5
6	1.01	1.6	1.02	316.94	101.95	50.97	0.0	21.0	326.3	1982.5	319.0
7	3.02	2.9	3.07	207.36	317.12	158.56	0.0	21.0	1783.9	5386.4	866.6
8	8.88	6.8	8.92	5223.22	1109.82	554.91	0.15	24.0	9963.1	14374.2	8307.2
9	1.18	10.2	1.24	931.19	216.97	108.49	0.15	24.0	1476.6	3265.6	1362.1
10	1.01	10.9	1.04	638.42	204.09	102.05	0.15	24.0	1248.6	3212.9	1243.7
11	1.01	11.6	1.05	403.61	237.76	118.88	0.15	24.0	1239.9	3966.6	1385.9
12	1.01	12.2	1.06	024.29	265.07	132.53	0.15	24.0	1254.6	4555.9	1497.4
13	1.01	12.9	1.06	044.19	265.94	132.97	0.15	24.0	1244.9	4579.2	1503.5
14	1.01	13.6	1.05	872.72	258.4	129.2	0.15	24.0	1234.6	4415.3	1474.7
15	1.01	14.3	1.05	621.27	247.34	123.67	0.15	24.0	1211.6	4185.5	1433.7
16	1.01	14.9	1.05	354.85	235.61	117.81	0.15	24.0	1163.8	3965.5	1394.7
17	3.02	16.3	3.11	3914.61	612.24	306.12	0.15	24.0	3160.4	10076.4	3857.7
18	11.07	21.2	11.94	8623.65	2139.44	1069.72	0.15	24.0	2288.9	43644.3	15609.5
19	1.87	25.8	2.1	2737.4	120.45	60.22	0.15	24.0	0.0	2211.0	1715.9
20	2.2	27.3	2.51	122.86	49.41	24.7	0.0	21.0	0.0	1166.7	187.7

xc = 36.299 yc = 94.715 Rc = 88.214 Fs=2.656

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.41	-2.8	0.4	44.2	1.94	0.97	0.0	21.0	0.0	44.6	6.4
2	1.01	-2.3	1.0	385.09	16.94	8.47	0.0	21.0	0.0	387.7	56.0
3	1.01	-1.7	1.0	562.53	24.75	12.38	0.0	21.0	0.0	565.2	81.7
4	1.01	-1.0	1.0	616.2	27.11	13.56	0.0	21.0	0.0	617.9	89.3
5	1.01	-0.4	1.0	769.49	33.86	16.93	0.0	21.0	0.0	770.2	111.3
6	3.02	0.9	3.02	952.16	129.89	64.95	0.0	21.0	0.0	2945.6	425.7
7	8.06	4.5	8.11	3310.77	576.87	288.44	0.15	24.0	4273.4	8391.4	5970.4
8	2.0	7.8	2.06	531.45	287.38	143.69	0.15	24.0	1740.5	4573.7	1909.3
9	1.01	8.8	1.0	4006.7	176.29	88.15	0.15	24.0	916.1	2961.5	1071.3

10	1.01	9.5	1.0	4843.91	213.13	106.57	0.15	24.0	945.3	3751.5	1204.8
11	1.01	10.1	1.0	5537.3	243.64	121.82	0.15	24.0	998.3	4376.7	1310.7
12	1.01	10.8	1.0	5630.59	247.75	123.87	0.15	24.0	1027.2	4434.3	1321.6
13	1.01	11.5	1.0	5533.26	243.46	121.73	0.15	24.0	1055.9	4304.6	1301.2
14	1.01	12.1	1.0	5356.72	235.7	117.85	0.15	24.0	1072.4	4109.3	1269.9
15	1.01	12.8	1.0	5166.04	227.31	113.65	0.15	24.0	1064.5	3924.3	1240.4
16	3.02	14.1	3.1	13810.51	607.66	303.83	0.15	24.0	3105.6	10167.2	3461.9
17	11.07	19.0	11.7	54539.23	2399.73	1199.86	0.15	24.0	5402.4	46980.2	14482.6
18	1.27	23.2	1.4	3559.17	156.6	78.3	0.15	24.0	0.0	3300.1	1335.0
19	2.19	24.4	2.4	3108.55	136.78	68.39	0.15	24.0	0.0	2599.4	1793.4
20	2.22	26.0	2.5	2280.38	100.34	50.17	0.15	24.0	0.0	1717.1	1680.6

xc = 39.307 yc = 93.123 Rc = 86.335 Fs=2.253

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.85	-2.3	0.9	101.87	4.48	2.24	0.0	21.0	0.0	102.7	17.5
2	3.02	-1.0	3.0	1330.32	58.53	29.27	0.0	21.0	0.0	1334.7	227.4
3	3.02	1.0	3.0	2097.03	92.27	46.13	0.0	21.0	197.4	1894.5	322.8
4	2.01	2.6	2.0	2877.81	126.62	63.31	0.15	24.0	860.7	1940.1	1724.4
5	2.01	4.0	2.0	5085.26	223.75	111.88	0.15	24.0	1347.1	3604.7	2055.2
6	1.91	5.3	1.9	6712.83	295.36	147.68	0.15	24.0	1611.0	4916.3	2246.2
7	1.11	6.3	1.1	4051.49	178.27	89.13	0.15	24.0	1061.2	2864.1	1310.6
8	1.01	7.0	1.0	4220.25	185.69	92.85	0.15	24.0	1028.5	3058.9	1279.3
9	1.01	7.7	1.0	5119.72	225.27	112.63	0.15	24.0	1090.5	3871.8	1440.9
10	1.01	8.3	1.0	5875.21	258.51	129.25	0.15	24.0	1176.2	4519.2	1570.0
11	1.01	9.0	1.0	6030.48	265.34	132.67	0.15	24.0	1237.7	4601.0	1587.4
12	1.01	9.7	1.0	5994.99	263.78	131.89	0.15	24.0	1298.9	4496.3	1568.0
13	1.01	10.4	1.0	5880.21	258.73	129.36	0.15	24.0	1347.9	4326.6	1535.9
14	1.01	11.0	1.0	5751.2	253.05	126.53	0.15	24.0	1372.4	4167.5	1506.0
15	3.02	12.4	3.1	15935.62	701.17	350.58	0.15	24.0	4224.1	11058.2	4242.7
16	11.07	17.3	11.6	67089.65	2951.95	1475.97	0.15	24.0	12007.9	52083.3	18008.3
17	1.27	21.6	1.4	5490.6	241.59	120.79	0.15	24.0	342.6	4800.5	1859.7
18	2.72	23.0	3.0	8452.94	371.93	185.96	0.15	24.0	0.0	7701.6	3489.7
19	1.54	24.6	1.7	4051.86	178.28	89.14	0.15	24.0	0.0	3613.9	1840.2
20	2.14	25.9	2.4	12141.34	534.22	267.11	0.15	24.0	0.0	11615.2	3876.4

xc = 42.314 yc = 94.715 Rc = 87.011 Fs=4.863

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.8	1.0	0.8	159.99	7.04	3.52	0.0	21.0	0.0	159.8	12.6
2	1.01	1.6	1.0	758.6	33.38	16.69	0.0	21.0	0.0	757.2	59.8
3	1.01	2.3	1.01	346.27	59.24	29.62	0.0	21.0	0.0	1343.1	106.0
4	3.02	3.6	3.06	622.76	291.4	145.7	0.15	24.0	656.1	5885.6	1471.7
5	4.02	5.9	4.01	9023.12	837.02	418.51	0.15	24.0	2330.6	16495.7	2758.3
6	1.01	7.6	1.05	134.14	225.9	112.95	0.15	24.0	845.9	4232.8	700.6
7	2.01	8.6	2.01	0242.89	450.69	225.34	0.15	24.0	1930.8	8198.2	1378.3
8	1.49	9.8	1.57	295.37	321.0	160.5	0.15	24.0	1578.2	5632.1	982.8
9	1.53	10.8	1.66	894.97	303.38	151.69	0.15	24.0	1704.6	5103.4	946.3
10	1.01	11.6	1.04	522.49	198.99	99.49	0.15	24.0	1159.4	3306.0	619.5
11	1.01	12.3	1.04	745.12	208.79	104.39	0.15	24.0	1160.6	3529.1	640.8
12	1.01	13.0	1.04	841.63	213.03	106.52	0.15	24.0	1161.1	3627.1	650.6
13	1.01	13.7	1.05	379.73	236.71	118.35	0.15	24.0	1149.1	4183.2	702.4
14	1.01	14.4	1.06	061.11	266.69	133.34	0.15	24.0	1112.2	4911.4	770.0
15	1.01	15.0	1.06	066.49	266.93	133.46	0.15	24.0	1074.5	4960.7	775.5
16	1.01	15.7	1.06	168.19	271.4	135.7	0.15	24.0	1023.8	5121.7	791.3
17	3.02	17.1	3.21	7536.06	771.59	385.79	1.4	27.0	0.0	15062.8	10670.7
18	6.37	20.4	6.82	4288.3	1068.69	534.34	1.4	27.0	0.0	17944.2	21434.3
19	1.8	23.3	2.01	0015.98	440.7	220.35	0.15	24.0	0.0	10240.6	1540.4
20	1.8	24.6	2.01	8371.63	808.35	404.18	0.15	24.0	0.0	19121.5	2359.5

xc = 45.322 yc = 93.123 Rc = 85.132 Fs=5.942

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.87	-0.3	0.9	291.4	12.82	6.41	0.0	21.0	0.0	291.5	18.8
2	1.01	0.3	1.0	937.07	41.23	20.62	0.0	21.0	0.0	936.8	60.5
3	3.02	1.7	3.05	772.85	254.01	127.0	0.0	21.0	200.7	5564.1	359.4
4	3.02	3.7	3.01	1860.25	521.85	260.93	0.15	24.0	1429.8	10352.7	1539.3
5	2.01	5.4	2.01	0548.46	464.13	232.07	0.15	24.0	1678.2	8799.3	1169.6
6	2.01	6.8	2.01	0630.25	467.73	233.87	0.15	24.0	2134.6	8419.7	1142.4
7	1.01	7.8	1.05	215.12	229.47	114.73	0.15	24.0	1209.4	3967.3	553.6
8	2.01	8.8	2.09	910.19	436.05	218.02	0.15	24.0	2647.7	7186.0	1052.5
9	2.01	10.2	2.01	0178.17	447.84	223.92	0.15	24.0	2858.0	7247.0	1059.1
10	2.01	11.6	2.11	0814.37	475.83	237.92	0.15	24.0	2967.9	7783.6	1101.7
11	2.01	12.9	2.11	3975.82	614.94	307.47	1.4	27.0	0.0	12966.3	5976.7
12	2.01	14.3	2.11	4846.29	653.24	326.62	1.4	27.0	0.0	13770.8	6074.5
13	1.01	15.4	1.07	069.27	311.05	155.52	1.4	27.0	0.0	6497.8	3030.9
14	1.0	16.1	1.06	742.02	296.65	148.32	1.4	27.0	0.0	6157.0	2980.4
15	1.01	16.8	1.16	708.37	295.17	147.58	1.4	27.0	0.0	6101.8	2999.5
16	1.27	17.6	1.37	971.26	350.74	175.37	1.4	27.0	0.0	7169.7	3760.5
17	1.22	18.5	1.36	758.85	297.39	148.69	1.4	27.0	0.0	5942.1	3542.7

18	0.68	19.2	0.7	3801.63	167.27	83.64	1.4	27.0	0.0	3333.4	1989.2
19	0.82	19.7	0.9	4711.07	207.29	103.64	1.4	27.0	0.0	4145.0	2399.0
20	6.93	22.5	7.5	63090.09	2775.96	1387.98	1.4	27.0	0.05	8872.5	22732.8

xc = 48.33 yc = 94.715 Rc = 84.592 Fs=2.587

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.65	1.8	0.7	323.21	14.22	7.11	0.0	21.0	0.0	321.9	47.8
2	1.01	2.4	1.0	1175.4	51.72	25.86	0.0	21.0	0.0	1169.2	173.5
3	1.01	3.0	1.0	1524.36	67.07	33.54	0.0	21.0	0.0	1514.6	224.8
4	1.01	3.7	1.0	1683.42	74.07	37.04	0.0	21.0	0.0	1670.8	247.9
5	1.01	4.4	1.0	1764.19	77.62	38.81	0.0	21.0	0.0	1749.4	259.6
6	1.01	5.1	1.0	1831.82	80.6	40.3	0.0	21.0	0.0	1815.1	269.3
7	3.02	6.5	3.0	5363.04	235.97	117.99	0.0	21.0	0.0	5308.1	787.7
8	3.02	8.5	3.1	6482.71	285.24	142.62	0.15	24.0	0.0	6131.5	2825.3
9	1.17	10.0	1.2	3670.37	161.5	80.75	0.15	24.0	0.0	3500.1	1289.3
10	0.85	10.7	0.9	3274.44	144.08	72.04	0.15	24.0	0.0	3136.4	1038.9
11	1.01	11.3	1.0	4010.59	176.47	88.23	0.15	24.0	0.0	3839.0	1255.7
12	1.01	12.0	1.0	4245.29	186.79	93.4	0.15	24.0	11.7	4053.1	1294.1
13	1.01	12.7	1.0	4418.33	194.41	97.2	0.15	24.0	6.1	4224.3	1325.1
14	2.01	13.7	2.1	7811.33	343.7	171.85	0.15	24.0	0.0	7434.8	2480.9
15	1.01	14.8	1.0	3897.1	171.47	85.74	0.15	24.0	0.0	3703.0	1240.8
16	1.27	15.6	1.3	4540.8	199.8	99.9	0.15	24.0	0.0	4294.2	1505.3
17	1.22	16.5	1.3	3610.19	158.85	79.42	0.15	24.0	0.0	3374.7	1319.1
18	0.68	17.1	0.7	2105.81	92.66	46.33	0.15	24.0	0.0	1971.2	753.7
19	0.82	17.7	0.9	2748.01	120.91	60.46	0.15	24.0	0.0	2584.0	941.8
20	4.87	19.7	5.2	30440.11	1339.37	669.68	0.15	24.0	0.02	9444.2	8069.5

xc = 51.337 yc = 93.123 Rc = 81.423 Fs=3.42

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.34	7.0	0.3	27.67	1.22	0.61	0.0	21.0	0.0	27.5	3.1
2	1.01	7.4	1.0	195.14	8.59	4.29	0.0	21.0	0.0	194.0	21.8
3	1.01	8.2	1.0	915.93	40.3	20.15	0.0	21.0	0.0	910.6	102.2
4	1.01	8.9	1.0	1780.41	78.34	39.17	0.0	21.0	0.0	1770.9	198.8
5	1.01	9.6	1.0	1969.36	86.65	43.33	0.0	21.0	0.0	1960.1	220.0
6	0.56	10.1	0.6	1182.15	52.01	26.01	0.0	21.0	0.0	1177.3	132.1

7	0.45	10.5	0.5	1072.27	47.18	23.59	0.0	21.0	0.0	1068.3	119.9
8	1.01	11.0	1.0	2479.44	109.1	54.55	0.0	21.0	0.0	2472.0	277.4
9	1.0	11.7	1.0	2239.74	98.55	49.27	0.15	24.0	0.0	2136.4	727.4
10	1.01	12.5	1.0	2099.4	92.37	46.19	0.15	24.0	0.0	1992.5	712.7
11	1.01	13.2	1.0	2128.53	93.66	46.83	0.15	24.0	0.0	2018.4	716.0
12	0.44	13.7	0.5	898.48	39.53	19.77	0.15	24.0	0.0	849.1	310.5
13	0.83	14.2	0.9	1485.02	65.34	32.67	0.15	24.0	0.0	1391.1	556.4
14	0.81	14.8	0.8	1159.68	51.03	25.51	0.15	24.0	0.0	1065.9	505.8
15	0.41	15.2	0.4	465.24	20.47	10.24	0.15	24.0	0.0	416.5	241.4
16	0.68	15.6	0.7	1031.88	45.4	22.7	0.15	24.0	0.0	949.9	434.7
17	0.82	16.2	0.9	1497.26	65.88	32.94	0.15	24.0	0.0	1398.0	554.9
18	0.27	16.6	0.3	444.37	19.55	9.78	0.15	24.0	0.0	411.1	176.5
19	1.92	17.4	2.0	2090.06	91.96	45.98	0.15	24.0	0.0	1839.4	1120.5
20	0.82	18.4	0.9	3523.86	155.05	77.52	0.15	24.0	0.0	3438.8	826.4

xc = 21.261 yc = 96.307 Rc = 90.552 Fs=2.168

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.16	6.2	0.2	26.64	1.17	0.59	0.0	21.0	0.0	26.3	4.7
2	0.31	6.4	0.3	112.54	4.95	2.48	0.0	21.0	0.0	111.0	19.7
3	0.23	6.6	0.2	99.02	4.36	2.18	0.0	21.0	0.0	97.7	17.3
4	0.23	6.7	0.2	110.36	4.86	2.43	0.0	21.0	0.0	108.9	19.3
5	0.23	6.9	0.2	120.15	5.29	2.64	0.0	21.0	0.0	118.5	21.0
6	0.24	7.0	0.2	128.89	5.67	2.84	0.0	21.0	0.0	127.1	22.5
7	0.23	7.2	0.2	129.11	5.68	2.84	0.0	21.0	0.0	127.3	22.5
8	0.23	7.3	0.2	130.34	5.74	2.87	0.0	21.0	0.0	128.5	22.7
9	0.3	7.5	0.3	170.2	7.49	3.74	0.0	21.0	0.0	167.8	29.7
10	0.16	7.6	0.2	89.12	3.92	1.96	0.0	21.0	0.0	87.8	15.5
11	0.23	7.8	0.2	113.06	4.97	2.49	0.0	21.0	0.0	111.4	19.7
12	0.23	7.9	0.2	97.15	4.27	2.14	0.0	21.0	0.0	95.7	16.9
13	0.23	8.1	0.2	80.97	3.56	1.78	0.0	21.0	0.0	79.8	14.1
14	0.14	8.2	0.1	40.71	1.79	0.9	0.0	21.0	0.0	40.1	7.1
15	0.33	8.3	0.3	76.54	3.37	1.68	0.0	21.0	0.0	75.4	13.3
16	0.23	8.5	0.2	40.36	1.78	0.89	0.0	21.0	0.0	39.8	7.0
17	0.23	8.7	0.2	28.12	1.24	0.62	0.0	21.0	0.0	27.7	4.9
18	0.21	8.8	0.2	14.68	0.65	0.32	0.0	21.0	0.0	14.5	2.6
19	0.26	8.9	0.3	8.59	0.38	0.19	0.0	21.0	0.0	8.5	1.5
20	0.23	9.1	0.2	2.61	0.11	0.06	0.0	21.0	0.0	2.6	0.5

xc = 24.268 yc = 97.898 Rc = 92.775 Fs=1.35

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.94	4.0	0.9	962.23	42.34	21.17	0.0	21.0	0.0	945.8	269.0
2	1.01	4.6	1.0	2187.18	96.24	48.12	0.0	21.0	0.0	2145.2	610.1
3	1.01	5.2	1.0	2370.87	104.32	52.16	0.0	21.0	0.0	2320.5	660.0
4	1.01	5.8	1.0	2301.32	101.26	50.63	0.0	21.0	33.5	2215.2	630.0
5	1.01	6.5	1.0	2108.76	92.79	46.39	0.0	21.0	104.3	1954.3	555.8
6	1.01	7.1	1.0	2016.47	88.72	44.36	0.0	21.0	163.9	1803.0	512.8
7	3.02	8.3	3.1	5224.66	229.88	114.94	0.0	21.0	712.2	4378.1	1245.2
8	2.26	10.0	2.3	2428.99	106.88	53.44	0.0	21.0	621.2	1748.0	497.2
9	0.76	10.9	0.8	761.63	33.51	16.76	0.0	21.0	195.2	546.8	155.5
10	1.01	11.5	1.0	1015.65	44.69	22.34	0.0	21.0	239.6	748.6	212.9
11	1.01	12.1	1.0	1117.1	49.15	24.58	0.0	21.0	195.7	888.1	252.6
12	1.01	12.8	1.0	1355.04	59.62	29.81	0.0	21.0	152.1	1158.8	329.6
13	1.01	13.4	1.0	1571.06	69.13	34.56	0.0	21.0	96.6	1419.5	403.7
14	3.02	14.7	3.1	5056.37	222.48	111.24	0.0	21.0	0.0	4864.5	1383.6
15	2.05	16.3	2.1	3822.09	168.17	84.09	0.0	21.0	0.0	3676.4	1045.6
16	0.97	17.3	1.0	2720.03	119.68	59.84	0.0	21.0	0.0	2617.1	744.3
17	1.01	17.9	1.1	2668.5	117.41	58.71	0.0	21.0	0.0	2568.3	730.5
18	1.01	18.6	1.1	2320.67	102.11	51.05	0.0	21.0	0.0	2234.6	635.6
19	1.01	19.2	1.1	1893.13	83.3	41.65	0.0	21.0	0.0	1824.1	518.8
20	3.05	20.6	3.3	2876.93	126.59	63.29	0.0	21.0	0.0	2776.5	789.7

xc = 30.284 yc = 97.898 Rc = 91.973 Fs=2.722

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.45	0.4	0.4	229.43	10.1	5.05	0.0	21.0	0.0	229.2	32.3
2	1.01	0.9	1.0	1228.21	54.04	27.02	0.0	21.0	0.0	1225.7	172.9
3	1.01	1.5	1.0	1533.59	67.48	33.74	0.0	21.0	0.0	1528.5	215.5
4	1.01	2.1	1.0	1585.77	69.77	34.89	0.0	21.0	0.0	1578.6	222.6
5	1.01	2.8	1.0	1515.04	66.66	33.33	0.0	21.0	0.0	1506.6	212.5
6	1.01	3.4	1.0	1544.74	67.97	33.98	0.0	21.0	0.0	1534.6	216.4
7	3.02	4.6	3.0	4543.19	199.9	99.95	0.0	21.0	343.8	4165.5	587.4
8	8.05	8.1	8.1	12016.72	528.74	264.37	0.15	24.0	3708.8	7575.8	5719.9
9	2.01	11.3	2.1	5075.62	223.33	111.66	0.15	24.0	971.0	3834.5	1758.1
10	2.01	12.6	2.1	6435.03	283.14	141.57	0.15	24.0	810.8	5315.1	2005.6
11	2.01	13.9	2.1	8730.19	384.13	192.06	0.15	24.0	747.4	7632.3	2390.6
12	2.01	15.2	2.1	7863.06	345.97	172.99	0.15	24.0	586.9	6920.5	2280.9
13	2.01	16.5	2.1	6622.52	291.39	145.7	0.15	24.0	351.8	5911.4	2123.3
14	2.01	17.8	2.1	4864.65	214.04	107.02	0.15	24.0	0.0	4499.3	1900.5

15	1.01	18.8	1.1	1997.8	87.9	43.95	0.15	24.0	0.01	810.4	881.7
16	2.01	19.8	2.1	3984.73	175.33	87.66	0.0	21.0	0.04	029.9	568.3
17	2.01	21.1	2.2	5103.38	224.55	112.27	0.0	21.0	0.05	187.8	731.6
18	2.01	22.4	2.2	4084.23	179.71	89.85	0.0	21.0	0.04	175.8	588.9
19	1.86	23.8	2.0	3023.76	133.05	66.52	0.0	21.0	0.03	110.7	438.7
20	1.97	25.1	2.2	869.45	38.26	19.13	0.0	21.0	0.0	900.5	127.0

xc = 33.291 yc = 96.307 Rc = 90.094 Fs=2.897

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.19	-1.4	0.2	43.62	1.92	0.96	0.0	21.0	0.0	43.8	5.8
2	1.01	-1.0	1.0	686.53	30.21	15.1	0.0	21.0	0.0	688.3	91.2
3	1.01	-0.4	1.0	1053.63	46.36	23.18	0.0	21.0	0.01	054.6	139.7
4	1.01	0.3	1.0	1167.14	51.35	25.68	0.0	21.0	0.01	166.4	154.6
5	1.01	0.9	1.0	1157.34	50.92	25.46	0.0	21.0	0.01	155.1	153.1
6	1.01	1.5	1.0	1247.62	54.9	27.45	0.0	21.0	0.01	243.6	164.8
7	3.02	2.8	3.0	4012.16	176.54	88.27	0.0	21.0	56.8	3934.5	521.4
8	8.33	6.5	8.4	14070.04	619.08	309.54	0.15	24.0	4566.0	8918.8	5710.3
9	1.73	9.7	1.8	5264.52	231.64	115.82	0.15	24.0	1245.1	3822.0	1498.4
10	1.01	10.6	1.0	3626.9	159.58	79.79	0.15	24.0	716.2	2782.3	957.6
11	1.01	11.2	1.0	4403.53	193.76	96.88	0.15	24.0	713.5	3548.4	1076.5
12	1.01	11.9	1.0	5036.43	221.6	110.8	0.15	24.0	734.7	4149.8	1170.2
13	1.01	12.5	1.0	5069.34	223.05	111.53	0.15	24.0	731.8	4181.9	1176.4
14	1.01	13.2	1.0	4911.65	216.11	108.06	0.15	24.0	728.8	4025.8	1153.8
15	1.01	13.8	1.0	4674.83	205.69	102.85	0.15	24.0	713.5	3803.6	1121.2
16	1.01	14.5	1.0	4423.85	194.65	97.32	0.15	24.0	673.8	3591.5	1090.1
17	3.02	15.8	3.1	11221.97	493.77	246.88	0.15	24.0	1743.2	8999.7	3007.8
18	8.92	19.8	9.5	34300.87	1509.24	754.62	0.15	24.0	0.03	2871.3	9960.8
19	1.14	23.2	1.2	2545.3	111.99	56.0	0.15	24.0	0.02	338.7	1004.5
20	3.0	24.7	3.3	3741.82	164.64	82.32	0.15	24.0	0.03	112.8	2187.1

xc = 39.307 yc = 96.307 Rc = 88.891 Fs=2.697

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.74	2.3	0.7	101.69	4.47	2.24	0.0	21.0	0.0	101.2	14.4
2	1.01	2.9	1.0	498.77	21.95	10.97	0.0	21.0	0.0	495.9	70.6
3	1.01	3.5	1.0	1045.49	46.0	23.0	0.0	21.0	0.01	038.4	147.8

4	1.01	4.2	1.01	570.89	69.12	34.56	0.0	21.0	96.5	1463.1	208.2
5	3.02	5.5	3.06	934.18	305.1	152.55	0.15	24.0	820.0	5887.2	2658.5
6	4.02	7.8	4.11	8561.35	816.7	408.35	0.15	24.0	2087.5	15958.9	4893.9
7	2.01	9.7	2.09	507.57	418.33	209.17	0.15	24.0	1452.4	7758.3	2416.4
8	1.14	10.8	1.25	229.47	230.1	115.05	0.15	24.0	904.0	4150.2	1329.3
9	0.87	11.4	0.93	881.92	170.8	85.4	0.15	24.0	710.1	3034.4	997.3
10	2.01	12.4	2.1	8051.1	354.25	177.12	0.15	24.0	1669.3	6062.6	2146.8
11	1.01	13.4	1.03	883.98	170.9	85.45	0.15	24.0	823.4	2895.5	1053.2
12	1.01	14.0	1.04	045.47	178.0	89.0	0.15	24.0	792.3	3081.8	1085.6
13	1.01	14.7	1.04	080.87	179.56	89.78	0.15	24.0	760.7	3144.4	1097.7
14	1.01	15.4	1.04	557.84	200.54	100.27	0.15	24.0	716.5	3658.2	1184.4
15	1.01	16.1	1.05	178.02	227.83	113.92	0.15	24.0	647.4	4340.6	1298.9
16	1.01	16.7	1.15	122.16	225.38	112.69	0.15	24.0	577.5	4353.9	1303.1
17	1.01	17.4	1.15	162.51	227.15	113.58	0.15	24.0	494.5	4476.5	1325.5
18	3.02	18.8	3.21	3967.5	614.57	307.29	0.15	24.0	830.1	12567.6	3848.1
19	6.24	22.0	6.71	5263.96	671.61	335.81	0.15	24.0	0.0	14016.8	6054.3
20	1.74	24.8	1.94	412.27	194.14	97.07	0.15	24.0	0.0	4057.3	1738.1

xc = 42.314 yc = 97.898 Rc = 89.567 Fs=2.479

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.89	2.3	0.9	184.61	8.12	4.06	0.0	21.0	0.0	183.6	28.4
2	1.01	2.9	1.0	759.47	33.42	16.71	0.0	21.0	0.0	754.6	116.9
3	2.01	3.8	2.01	972.23	86.78	43.39	0.0	21.0	0.0	1956.4	303.0
4	1.01	4.8	1.01	909.67	84.03	42.01	0.0	21.0	0.0	1891.8	293.0
5	1.01	5.4	1.02	877.29	126.6	63.3	0.0	21.0	0.0	2848.3	441.1
6	1.01	6.1	1.0	3702.6	162.91	81.46	0.0	21.0	32.0	3631.4	562.4
7	1.01	6.7	1.03	933.73	173.08	86.54	0.15	24.0	134.1	3675.6	1273.4
8	1.01	7.4	1.03	976.49	174.97	87.48	0.15	24.0	236.6	3607.6	1262.0
9	1.01	8.0	1.03	941.22	173.41	86.71	0.15	24.0	327.4	3474.7	1239.1
10	1.01	8.7	1.03	893.03	171.29	85.65	0.15	24.0	394.5	3353.0	1218.3
11	3.02	10.0	3.11	0858.14	477.76	238.88	0.15	24.0	1551.7	8843.1	3443.3
12	6.04	13.0	6.22	2233.6	978.28	489.14	0.15	24.0	3530.3	17602.0	6910.7
13	2.01	15.6	2.11	0666.11	469.31	234.65	0.15	24.0	915.1	9304.3	2935.7
14	2.01	16.9	2.19	045.47	398.0	199.0	0.15	24.0	620.4	7982.7	2707.0
15	1.01	18.0	1.14	340.73	190.99	95.5	0.15	24.0	168.6	3948.4	1349.3
16	1.5	18.8	1.65	719.67	251.67	125.83	0.15	24.0	38.5	5348.2	1918.6
17	1.0	19.6	1.13	036.64	133.61	66.81	0.15	24.0	0.0	2815.5	1145.2
18	0.68	20.2	0.72	147.61	94.49	47.25	0.15	24.0	0.0	1994.5	798.7
19	0.82	20.7	0.92	728.47	120.05	60.03	0.15	24.0	0.0	2544.4	985.4
20	4.14	22.4	4.52	1596.83	950.26	475.13	0.15	24.0	0.0	20710.4	6430.6

xc = 48.33 yc = 97.898 Rc = 86.489 Fs=3.065

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	1.06	9.0	1.1	26.19	1.15	0.58	0.0	21.0	0.0	26.0	3.3
2	0.42	9.5	0.4	128.47	5.65	2.83	0.0	21.0	0.0	127.6	16.0
3	0.58	9.8	0.6	564.63	24.84	12.42	0.0	21.0	0.0	560.9	70.2
4	1.01	10.4	1.01	507.38	66.32	33.16	0.0	21.0	0.0	1498.1	187.6
5	0.63	10.9	0.61	031.15	45.37	22.69	0.0	21.0	0.0	1025.4	128.4
6	0.38	11.3	0.4	614.77	27.05	13.52	0.0	21.0	0.0	611.6	76.6
7	1.01	11.7	1.01	883.73	82.88	41.44	0.0	21.0	0.0	1875.1	234.8
8	1.01	12.4	1.02	060.43	90.66	45.33	0.0	21.0	0.0	2053.1	257.1
9	0.57	12.9	0.61	057.78	46.54	23.27	0.0	21.0	0.0	1055.0	132.1
10	0.74	13.4	0.81	165.35	51.28	25.64	0.0	21.0	0.0	1163.2	145.7
11	0.7	13.9	0.71	102.09	48.49	24.25	0.0	21.0	0.0	1101.2	137.9
12	1.01	14.5	1.0	1558.3	68.57	34.28	0.15	24.0	0.0	1424.8	715.5
13	0.51	15.0	0.5	720.48	31.7	15.85	0.15	24.0	0.0	651.5	352.3
14	0.76	15.4	0.8	878.27	38.64	19.32	0.15	24.0	0.0	773.1	500.1
15	0.72	15.9	0.7	569.99	25.08	12.54	0.15	24.0	0.0	469.4	432.1
16	0.51	16.3	0.5	237.33	10.44	5.22	0.15	24.0	0.0	164.6	281.9
17	0.68	16.8	0.7	547.76	24.1	12.05	0.15	24.0	0.0	447.4	414.0
18	0.82	17.3	0.9	893.64	39.32	19.66	0.15	24.0	0.0	770.9	530.5
19	0.27	17.7	0.3	239.89	10.56	5.28	0.15	24.0	0.0	198.6	166.9
20	1.42	18.2	1.5	626.94	27.59	13.79	0.0	21.0	0.0	634.0	79.4

xc = 24.268 yc = 101.082 Rc = 95.63 Fs=1.422

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.67	4.0	0.7	481.65	21.19	10.6	0.0	21.0	0.0	474.0	127.9
2	1.01	4.5	1.01	591.87	70.04	35.02	0.0	21.0	0.0	1563.8	422.1
3	1.01	5.1	1.01	780.38	78.34	39.17	0.0	21.0	0.0	1745.6	471.2
4	1.01	5.7	1.01	716.29	75.52	37.76	0.0	21.0	0.0	1679.7	453.4
5	1.01	6.3	1.01	529.82	67.31	33.66	0.0	21.0	0.0	1494.7	403.5
6	1.01	6.9	1.01	444.27	63.55	31.77	0.0	21.0	0.0	1408.9	380.3
7	3.02	8.1	3.03	554.33	156.39	78.2	0.0	21.0	0.0	3457.4	933.3
8	2.3	9.7	2.31	250.71	55.03	27.52	0.0	21.0	0.0	1212.9	327.4
9	0.72	10.6	0.7	355.2	15.63	7.81	0.0	21.0	0.0	344.0	92.9
10	1.01	11.2	1.0	509.23	22.41	11.2	0.0	21.0	0.0	492.8	133.0
11	1.01	11.8	1.0	622.87	27.41	13.7	0.0	21.0	0.0	602.4	162.6

12	1.01	12.4	1.0	873.72	38.44	19.22	0.0	21.0	0.0	844.5	228.0
13	1.01	13.0	1.0	1103.43	48.55	24.28	0.0	21.0	0.0	1066.0	287.8
14	1.01	13.6	1.0	1321.13	58.13	29.06	0.0	21.0	0.0	1275.9	344.4
15	2.01	14.6	2.1	2014.15	88.62	44.31	0.0	21.0	0.0	1944.6	524.9
16	1.01	15.5	1.0	1388.71	61.1	30.55	0.0	21.0	0.0	1340.8	361.9
17	1.01	16.1	1.0	1994.12	87.74	43.87	0.0	21.0	0.0	1925.5	519.8
18	1.01	16.7	1.1	2456.32	108.08	54.04	0.0	21.0	0.0	2372.4	640.4
19	1.01	17.4	1.1	2319.02	102.04	51.02	0.0	21.0	0.0	2240.6	604.9
20	4.73	19.2	5.0	5858.27	257.76	128.88	0.0	21.0	0.0	5670.2	1530.7

xc = 30.284 yc = 101.082 Rc = 94.529 Fs=1.225

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.65	1.0	0.7	84.71	3.73	1.86	0.0	21.0	0.0	84.3	26.4
2	1.01	1.5	1.0	367.03	16.15	8.07	0.0	21.0	0.0	364.2	114.1
3	1.01	2.1	1.0	420.83	18.52	9.26	0.0	21.0	0.0	416.4	130.4
4	1.01	2.7	1.0	352.27	15.5	7.75	0.0	21.0	0.0	347.5	108.9
5	1.01	3.3	1.0	384.69	16.93	8.46	0.0	21.0	0.0	378.5	118.6
6	3.02	4.5	3.0	1084.49	47.72	23.86	0.0	21.0	0.0	1061.6	332.5
7	6.04	7.3	6.1	1076.67	47.37	23.69	0.0	21.0	0.0	1043.6	326.9
8	1.07	9.5	1.1	1319.16	58.04	29.02	0.0	21.0	0.0	1271.0	398.1
9	0.94	10.1	1.0	1491.73	65.64	32.82	0.0	21.0	0.0	1435.2	449.6
10	2.01	11.0	2.0	2888.86	127.11	63.55	0.0	21.0	0.0	2774.1	868.9
11	1.01	11.9	1.0	2010.77	88.47	44.24	0.0	21.0	0.0	1927.6	603.8
12	1.01	12.5	1.0	2740.25	120.57	60.29	0.0	21.0	0.0	2624.4	822.0
13	1.01	13.2	1.0	3327.32	146.4	73.2	0.0	21.0	0.0	3183.8	997.3
14	1.01	13.8	1.0	3315.72	145.89	72.95	0.0	21.0	0.0	3170.4	993.1
15	1.01	14.4	1.0	3114.84	137.05	68.53	0.0	21.0	0.0	2976.4	932.3
16	1.01	15.1	1.0	2836.17	124.79	62.4	0.0	21.0	0.0	2708.8	848.5
17	1.01	15.7	1.0	2544.65	111.96	55.98	0.0	21.0	0.0	2429.4	761.0
18	3.02	17.0	3.2	5348.21	235.32	117.66	0.0	21.0	0.0	5103.8	1598.7
19	7.34	20.3	7.8	10018.27	440.8	220.4	0.0	21.0	0.0	9572.5	2998.4
20	1.85	23.3	2.0	1266.45	55.72	27.86	0.0	21.0	0.0	1214.9	380.6

xc = 39.307 yc = 99.49 Rc = 91.446 Fs=2.909

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)

1	0.33	3.6	0.3	34.0	1.5	0.75	0.0	21.0	0.0	33.8	4.5
2	1.01	4.1	1.0	415.02	18.26	9.13	0.0	21.0	0.0	412.2	54.4
3	1.01	4.7	1.0	932.49	41.03	20.51	0.0	21.0	0.0	925.6	122.1
4	2.01	5.6	2.0	2138.73	94.1	47.05	0.0	21.0	0.0	2121.5	279.9
5	1.01	6.6	1.0	1903.73	83.76	41.88	0.0	21.0	0.0	1887.6	249.1
6	1.01	7.2	1.0	2812.2	123.74	61.87	0.0	21.0	0.0	2788.1	367.9
7	1.01	7.9	1.0	3578.59	157.46	78.73	0.0	21.0	0.0	3547.9	468.1
8	1.01	8.5	1.0	3746.71	164.86	82.43	0.0	21.0	35.3	3680.0	485.5
9	1.01	9.1	1.0	3728.7	164.06	82.03	0.15	24.0	106.2	3498.5	1060.8
10	1.01	9.8	1.0	3633.47	159.87	79.94	0.15	24.0	165.4	3340.4	1037.6
11	1.01	10.4	1.0	3525.45	155.12	77.56	0.15	24.0	201.0	3193.3	1016.1
12	3.02	11.7	3.1	9397.55	413.49	206.75	0.15	24.0	783.0	8208.0	2845.4
13	6.16	14.7	6.4	18511.6	814.51	407.26	0.15	24.0	1219.0	16360.4	5787.0
14	0.88	17.0	0.9	3691.43	162.42	81.21	0.15	24.0	0.0	3548.6	1018.7
15	1.01	17.6	1.1	4187.3	184.24	92.12	0.15	24.0	0.0	4024.9	1160.1
16	2.01	18.6	2.1	6821.8	300.16	150.08	0.15	24.0	0.0	6494.9	2088.4
17	1.01	19.6	1.1	3138.85	138.11	69.05	0.15	24.0	0.0	2973.8	1005.6
18	1.27	20.3	1.4	3330.24	146.53	73.27	0.15	24.0	0.0	3115.6	1176.5
19	1.22	21.2	1.3	2184.58	96.12	48.06	0.15	24.0	0.0	1964.9	975.7
20	3.68	22.8	4.0	5496.62	241.85	120.93	0.15	24.0	0.0	4789.4	2790.0

xc = 42.314 yc = 101.082 Rc = 92.123 Fs=2.661

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.75	4.1	0.8	186.25	8.2	4.1	0.0	21.0	0.0	184.8	26.7
2	1.01	4.7	1.0	757.75	33.34	16.67	0.0	21.0	0.0	751.4	108.4
3	1.01	5.3	1.0	1730.05	76.12	38.06	0.0	21.0	0.0	1714.5	247.4
4	1.01	5.9	1.0	2560.67	112.67	56.33	0.0	21.0	0.0	2536.5	365.9
5	1.01	6.6	1.0	2793.43	122.91	61.46	0.0	21.0	0.0	2766.0	399.0
6	1.01	7.2	1.0	2837.81	124.86	62.43	0.0	21.0	0.0	2809.2	405.3
7	1.01	7.8	1.0	2805.4	123.44	61.72	0.0	21.0	0.0	2776.7	400.6
8	1.01	8.4	1.0	2761.25	121.5	60.75	0.0	21.0	0.0	2733.0	394.3
9	3.02	9.7	3.1	7493.32	329.71	164.85	0.0	21.0	0.0	7419.1	1070.3
10	4.02	11.9	4.1	10932.69	481.04	240.52	0.15	24.0	104.9	10215.2	4028.4
11	1.15	13.6	1.2	4553.48	200.35	100.18	0.15	24.0	13.4	4333.8	1394.2
12	0.86	14.2	0.9	3401.63	149.67	74.84	0.15	24.0	0.0	3244.9	1042.5
13	1.01	14.8	1.0	4126.68	181.57	90.79	0.15	24.0	0.0	3939.0	1245.9
14	1.01	15.5	1.0	4199.29	184.77	92.38	0.15	24.0	0.0	4008.6	1259.3
15	2.01	16.5	2.1	7076.37	311.36	155.68	0.15	24.0	0.0	6698.1	2303.7
16	1.01	17.4	1.1	3383.74	148.88	74.44	0.15	24.0	0.0	3192.2	1128.7
17	1.27	18.2	1.3	3754.33	165.19	82.6	0.15	24.0	0.0	3510.7	1342.6
18	1.22	19.0	1.3	2713.6	119.4	59.7	0.15	24.0	0.0	2476.6	1142.4
19	0.68	19.6	0.7	1544.43	67.95	33.98	0.15	24.0	0.0	1409.8	644.7

20	4.02	21.2	4.31	1371.64	500.35	250.18	0.15	24.0	0.01	0569.0	4197.4

xc = 24.268 yc = 104.265 Rc = 98.117 Fs=2.693

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.08	4.0	0.1	6.23	0.27	0.14	0.0	21.0	0.0	6.2	0.9
2	0.56	4.2	0.6	137.09	6.03	3.02	0.0	21.0	0.0	136.0	19.4
3	0.45	4.5	0.4	172.51	7.59	3.8	0.0	21.0	0.0	171.1	24.4
4	0.19	4.7	0.2	87.0	3.83	1.91	0.0	21.0	0.0	86.3	12.3
5	0.32	4.8	0.3	154.03	6.78	3.39	0.0	21.0	0.0	152.7	21.8
6	0.32	5.0	0.3	163.92	7.21	3.61	0.0	21.0	0.0	162.5	23.2
7	0.18	5.2	0.2	97.0	4.27	2.13	0.0	21.0	0.0	96.2	13.7
8	0.46	5.4	0.5	227.5	10.01	5.0	0.0	21.0	0.0	225.5	32.1
9	0.32	5.6	0.3	132.36	5.82	2.91	0.0	21.0	0.0	131.2	18.7
10	0.23	5.7	0.2	82.55	3.63	1.82	0.0	21.0	0.0	81.8	11.7
11	0.4	5.9	0.4	122.07	5.37	2.69	0.0	21.0	0.0	120.9	17.2
12	0.32	6.1	0.3	79.97	3.52	1.76	0.0	21.0	0.0	79.2	11.3
13	0.28	6.3	0.3	58.89	2.59	1.3	0.0	21.0	0.0	58.3	8.3
14	0.35	6.5	0.4	64.91	2.86	1.43	0.0	21.0	0.0	64.3	9.2
15	0.32	6.7	0.3	57.38	2.52	1.26	0.0	21.0	0.0	56.8	8.1
16	0.34	6.9	0.3	58.63	2.58	1.29	0.0	21.0	0.0	58.1	8.3
17	0.3	7.1	0.3	46.63	2.05	1.03	0.0	21.0	0.0	46.2	6.6
18	0.32	7.3	0.3	39.21	1.73	0.86	0.0	21.0	0.0	38.8	5.5
19	0.32	7.5	0.3	28.05	1.23	0.62	0.0	21.0	0.0	27.8	4.0
20	0.32	7.6	0.3	12.63	0.56	0.28	0.0	21.0	0.0	12.5	1.8

xc = 27.276 yc = 102.673 Rc = 96.408 Fs=3.085

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.11	2.3	0.1	14.39	0.63	0.32	0.0	21.0	0.0	14.3	1.8
2	0.76	2.6	0.8	291.76	12.84	6.42	0.0	21.0	0.0	290.4	36.1
3	0.24	2.9	0.2	134.9	5.94	2.97	0.0	21.0	0.0	134.2	16.7
4	0.63	3.1	0.6	405.72	17.85	8.93	0.0	21.0	0.0	403.6	50.2
5	0.37	3.4	0.4	269.44	11.86	5.93	0.0	21.0	0.0	267.9	33.3
6	0.5	3.7	0.5	354.7	15.61	7.8	0.0	21.0	0.0	352.6	43.9
7	0.51	4.0	0.5	316.72	13.94	6.97	0.0	21.0	0.0	314.8	39.2
8	0.37	4.2	0.4	211.33	9.3	4.65	0.0	21.0	0.0	210.0	26.1

9	0.64	4.5	0.6	334.38	14.71	7.36	0.0	21.0	0.0	332.2	41.3
10	0.24	4.8	0.2	120.74	5.31	2.66	0.0	21.0	0.0	119.9	14.9
11	0.44	5.0	0.4	226.35	9.96	4.98	0.0	21.0	0.0	224.8	28.0
12	0.33	5.2	0.3	173.99	7.66	3.83	0.0	21.0	0.0	172.8	21.5
13	0.55	5.5	0.6	286.88	12.62	6.31	0.0	21.0	0.0	284.8	35.4
14	0.46	5.8	0.5	227.27	10.0	5.0	0.0	21.0	0.0	225.6	28.1
15	0.42	6.1	0.4	184.56	8.12	4.06	0.0	21.0	0.0	183.2	22.8
16	0.44	6.3	0.4	155.9	6.86	3.43	0.0	21.0	0.0	154.7	19.3
17	0.44	6.6	0.4	118.08	5.2	2.6	0.0	21.0	0.0	117.2	14.6
18	0.44	6.8	0.4	90.51	3.98	1.99	0.0	21.0	0.0	89.8	11.2
19	0.28	7.0	0.3	42.72	1.88	0.94	0.0	21.0	0.0	42.4	5.3
20	0.6	7.3	0.6	39.28	1.73	0.86	0.0	21.0	0.0	39.0	4.8

xc = 33.291 yc = 102.673 Rc = 95.205 Fs=1.214

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.44	7.1	0.4	51.46	2.26	1.13	0.0	21.0	0.0	49.9	15.8
2	1.01	7.5	1.0	381.58	16.79	8.39	0.0	21.0	0.0	369.4	116.8
3	1.01	8.1	1.0	784.35	34.51	17.26	0.0	21.0	0.0	758.0	239.6
4	2.01	9.1	2.01	499.88	65.99	33.0	0.0	21.0	0.0	1445.9	457.1
5	1.01	10.0	1.01	413.83	62.21	31.1	0.0	21.0	0.0	1359.9	429.9
6	1.01	10.6	1.02	209.03	97.2	48.6	0.0	21.0	0.0	2121.8	670.7
7	1.01	11.2	1.0	2862.4	125.95	62.97	0.0	21.0	0.0	2746.0	868.0
8	1.01	11.8	1.02	917.75	128.38	64.19	0.0	21.0	0.0	2795.9	883.8
9	1.01	12.5	1.02	784.46	122.52	61.26	0.0	21.0	0.0	2665.5	842.6
10	1.01	13.1	1.02	574.06	113.26	56.63	0.0	21.0	0.0	2461.8	778.2
11	1.01	13.7	1.02	351.54	103.47	51.73	0.0	21.0	0.0	2247.2	710.4
12	3.02	15.0	3.15	189.68	228.35	114.17	0.0	21.0	0.0	4953.4	1565.8
13	2.26	16.6	2.42	644.29	116.35	58.17	0.0	21.0	0.0	2521.7	797.1
14	0.76	17.6	0.8	852.31	37.5	18.75	0.0	21.0	0.0	812.7	256.9
15	1.01	18.1	1.11	547.05	68.07	34.04	0.0	21.0	0.0	1475.2	466.3
16	1.01	18.7	1.12	067.71	90.98	45.49	0.0	21.0	0.0	1972.0	623.4
17	1.01	19.4	1.11	913.55	84.2	42.1	0.0	21.0	0.0	1825.5	577.0
18	1.01	20.0	1.11	856.79	81.7	40.85	0.0	21.0	0.0	1772.1	560.2
19	1.01	20.7	1.11	738.93	76.51	38.26	0.0	21.0	0.0	1660.6	524.9
20	3.25	22.1	3.52	028.03	89.23	44.62	0.0	21.0	0.0	1939.7	613.2

xc = 42.314 yc = 104.265 Rc = 94.679 Fs=3.005

Nr.	B	Alfa	Li	Wi	Kh•Wi	Kv•Wi	c	Fi	Ui	N'i	Ti

	m	(°)	m	(Kg)	(Kg)	(Kg)	(kg/cm²)	(°)	(Kg)	(Kg)	(Kg)
1	0.91	5.2	0.9	587.95	25.87	12.93	0.0	21.0	0.0	583.6	74.5
2	1.01	5.8	1.0	1417.3	62.36	31.18	0.0	21.0	0.0	1406.4	179.6
3	1.01	6.4	1.01	655.64	72.85	36.42	0.0	21.0	0.0	1642.5	209.8
4	1.01	7.0	1.01	706.21	75.07	37.54	0.0	21.0	0.0	1692.5	216.2
5	1.01	7.6	1.01	680.55	73.94	36.97	0.0	21.0	0.0	1667.0	212.9
6	1.01	8.2	1.01	643.77	72.33	36.16	0.0	21.0	0.0	1630.7	208.3
7	1.01	8.8	1.01	558.55	68.58	34.29	0.0	21.0	0.0	1546.6	197.5
8	2.01	9.8	2.02	476.83	108.98	54.49	0.0	21.0	0.0	2459.2	314.1
9	1.01	10.7	1.01	225.17	53.91	26.95	0.0	21.0	0.0	1217.4	155.5
10	1.01	11.3	1.01	475.57	64.92	32.46	0.0	21.0	0.0	1467.3	187.4
11	1.01	11.9	1.01	602.47	70.51	35.25	0.0	21.0	0.0	1594.8	203.7
12	1.01	12.5	1.02	173.47	95.63	47.82	0.0	21.0	0.0	2165.1	276.5
13	1.01	13.2	1.02	894.53	127.36	63.68	0.15	24.0	0.0	2756.5	924.1
14	1.01	13.8	1.02	943.26	129.5	64.75	0.15	24.0	0.0	2801.8	932.2
15	1.01	14.4	1.03	090.66	135.99	67.99	0.15	24.0	0.0	2945.6	954.9
16	3.02	15.7	3.18	417.62	370.38	185.19	0.15	24.0	0.0	7972.1	2746.0
17	3.5	17.8	3.76	827.55	300.41	150.21	0.15	24.0	0.0	6283.7	2765.0
18	1.5	19.3	1.62	647.12	116.47	58.24	0.15	24.0	0.0	2402.1	1149.1
19	0.82	20.1	0.9	996.27	43.84	21.92	0.15	24.0	0.0	854.6	563.8
20	1.31	20.8	1.4	614.26	27.03	13.51	0.15	24.0	0.0	371.3	753.0

xc = 45.322 yc = 102.673 Rc = 91.562 Fs=1.296

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.48	11.0	0.5	148.67	6.54	3.27	0.0	21.0	0.0	143.2	42.4
2	0.32	11.3	0.3	258.1	11.36	5.68	0.0	21.0	0.0	248.5	73.6
3	0.65	11.6	0.7	711.02	31.29	15.64	0.0	21.0	0.0	684.3	202.6
4	0.36	11.9	0.4	436.03	19.19	9.59	0.0	21.0	0.0	419.4	124.2
5	0.61	12.2	0.6	755.07	33.22	16.61	0.0	21.0	0.0	726.0	215.0
6	0.4	12.5	0.4	486.31	21.4	10.7	0.0	21.0	0.0	467.4	138.4
7	0.56	12.8	0.6	750.76	33.03	16.52	0.0	21.0	0.0	721.3	213.6
8	0.44	13.2	0.5	683.87	30.09	15.05	0.0	21.0	0.0	656.8	194.5
9	0.52	13.5	0.5	837.14	36.83	18.42	0.0	21.0	0.0	803.8	238.0
10	0.48	13.8	0.5	731.27	32.18	16.09	0.0	21.0	0.0	702.0	207.8
11	0.48	14.1	0.5	653.72	28.76	14.38	0.0	21.0	0.0	627.4	185.8
12	0.48	14.4	0.5	545.68	24.01	12.0	0.0	21.0	0.0	523.6	155.0
13	0.48	14.7	0.5	479.67	21.11	10.55	0.0	21.0	0.0	460.1	136.2
14	0.57	15.1	0.6	559.84	24.63	12.32	0.0	21.0	0.0	537.0	159.0
15	0.4	15.4	0.4	383.95	16.89	8.45	0.0	21.0	0.0	368.2	109.0
16	0.61	15.7	0.6	558.92	24.59	12.3	0.0	21.0	0.0	536.0	158.7

17	0.36	16.0	0.4	287.73	12.66	6.33	0.0	21.0	0.0	275.9	81.7
18	0.48	16.3	0.5	297.47	13.09	6.54	0.0	21.0	0.0	285.2	84.5
19	0.43	16.6	0.5	175.14	7.71	3.85	0.0	21.0	0.0	167.9	49.7
20	0.53	16.9	0.6	80.06	3.52	1.76	0.0	21.0	0.0	76.8	22.7

xc = 33.291 yc = 105.857 Rc = 97.761 Fs=1.246

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.29	9.3	0.3	19.92	0.88	0.44	0.0	21.0	0.0	19.2	5.9
2	1.01	9.7	1.0	316.93	13.94	6.97	0.0	21.0	0.0	305.4	94.1
3	1.01	10.3	1.0	1121.3	49.34	24.67	0.0	21.0	0.0	1079.2	332.4
4	1.01	10.9	1.0	1784.45	78.52	39.26	0.0	21.0	0.0	1715.4	528.3
5	1.01	11.5	1.0	1850.17	81.41	40.7	0.0	21.0	0.0	1776.7	547.2
6	1.01	12.1	1.0	1727.89	76.03	38.01	0.0	21.0	0.0	1657.6	510.5
7	1.01	12.7	1.0	1529.14	67.28	33.64	0.0	21.0	0.0	1465.7	451.4
8	1.01	13.3	1.0	1318.91	58.03	29.02	0.0	21.0	0.0	1263.2	389.0
9	1.01	13.9	1.0	1059.86	46.63	23.32	0.0	21.0	0.0	1014.5	312.4
10	1.35	14.7	1.4	858.62	37.78	18.89	0.0	21.0	0.0	821.3	253.0
11	0.66	15.3	0.7	199.89	8.8	4.4	0.0	21.0	0.0	191.1	58.9
12	1.01	15.8	1.0	201.97	8.89	4.44	0.0	21.0	0.0	193.1	59.5
13	1.01	16.4	1.0	276.3	12.16	6.08	0.0	21.0	0.0	264.1	81.3
14	1.01	17.0	1.1	226.43	9.96	4.98	0.0	21.0	0.0	216.4	66.6
15	1.01	17.6	1.1	619.88	27.27	13.64	0.0	21.0	0.0	592.4	182.5
16	1.01	18.2	1.1	1158.57	50.98	25.49	0.0	21.0	0.0	1107.5	341.1
17	1.01	18.9	1.1	1023.28	45.02	22.51	0.0	21.0	0.0	978.4	301.3
18	1.01	19.5	1.1	986.21	43.39	21.7	0.0	21.0	0.0	943.3	290.5
19	1.01	20.1	1.1	888.92	39.11	19.56	0.0	21.0	0.0	850.7	262.0
20	0.97	20.7	1.0	331.3	14.58	7.29	0.0	21.0	0.0	317.3	97.7

xc = 36.299 yc = 107.448 Rc = 98.437 Fs=1.635

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.44	8.4	0.4	127.34	5.6	2.8	0.0	21.0	0.0	124.4	29.2
2	0.34	8.7	0.3	267.73	11.78	5.89	0.0	21.0	0.0	261.5	61.4
3	0.55	8.9	0.6	573.11	25.22	12.61	0.0	21.0	0.0	559.5	131.3
4	0.46	9.2	0.5	513.23	22.58	11.29	0.0	21.0	0.0	500.9	117.6
5	0.42	9.5	0.4	493.49	21.71	10.86	0.0	21.0	0.0	481.4	113.0

6	0.58	9.8	0.6	721.32	31.74	15.87	0.0	21.0	0.0	703.5	165.1
7	0.3	10.1	0.3	367.49	16.17	8.08	0.0	21.0	0.0	358.3	84.1
8	0.44	10.3	0.4	505.34	22.24	11.12	0.0	21.0	0.0	492.6	115.6
9	0.27	10.5	0.3	282.8	12.44	6.22	0.0	21.0	0.0	275.6	64.7
10	0.62	10.7	0.6	626.93	27.58	13.79	0.0	21.0	0.0	610.9	143.4
11	0.39	11.0	0.4	393.84	17.33	8.66	0.0	21.0	0.0	383.7	90.1
12	0.49	11.3	0.5	460.43	20.26	10.13	0.0	21.0	0.0	448.5	105.3
13	0.52	11.6	0.5	414.41	18.23	9.12	0.0	21.0	0.0	403.6	94.8
14	0.37	11.9	0.4	262.24	11.54	5.77	0.0	21.0	0.0	255.4	60.0
15	0.64	12.2	0.7	418.49	18.41	9.21	0.0	21.0	0.0	407.5	95.7
16	0.24	12.4	0.2	137.51	6.05	3.03	0.0	21.0	0.0	133.9	31.4
17	0.44	12.6	0.5	187.32	8.24	4.12	0.0	21.0	0.0	182.4	42.8
18	0.44	12.9	0.5	105.8	4.66	2.33	0.0	21.0	0.0	103.0	24.2
19	0.44	13.2	0.5	58.39	2.57	1.28	0.0	21.0	0.0	56.8	13.3
20	0.44	13.4	0.5	19.9	0.88	0.44	0.0	21.0	0.0	19.4	4.5

xc = 42.314 yc = 107.448 Rc = 96.641 Fs=1.238

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.49	12.4	0.5	149.71	6.59	3.29	0.0	21.0	0.0	143.5	44.5
2	0.3	12.7	0.3	193.51	8.51	4.26	0.0	21.0	0.0	185.4	57.5
3	0.4	12.9	0.4	282.67	12.44	6.22	0.0	21.0	0.0	270.8	84.0
4	0.3	13.1	0.3	237.11	10.43	5.22	0.0	21.0	0.0	227.1	70.4
5	0.49	13.4	0.5	387.42	17.05	8.52	0.0	21.0	0.0	370.9	115.0
6	0.51	13.7	0.5	379.69	16.71	8.35	0.0	21.0	0.0	363.4	112.7
7	0.28	13.9	0.3	217.88	9.59	4.79	0.0	21.0	0.0	208.5	64.6
8	0.4	14.1	0.4	361.4	15.9	7.95	0.0	21.0	0.0	345.7	107.2
9	0.32	14.3	0.3	341.18	15.01	7.51	0.0	21.0	0.0	326.3	101.2
10	0.47	14.6	0.5	502.73	22.12	11.06	0.0	21.0	0.0	480.7	149.0
11	0.53	14.9	0.6	512.71	22.56	11.28	0.0	21.0	0.0	490.1	152.0
12	0.26	15.1	0.3	219.21	9.65	4.82	0.0	21.0	0.0	209.5	65.0
13	0.4	15.3	0.4	266.53	11.73	5.86	0.0	21.0	0.0	254.7	79.0
14	0.4	15.6	0.4	185.34	8.15	4.08	0.0	21.0	0.0	177.1	54.9
15	0.4	15.8	0.4	150.98	6.64	3.32	0.0	21.0	0.0	144.3	44.7
16	0.55	16.1	0.6	197.17	8.68	4.34	0.0	21.0	0.0	188.4	58.4
17	0.24	16.4	0.3	78.55	3.46	1.73	0.0	21.0	0.0	75.0	23.3
18	0.4	16.6	0.4	113.61	5.0	2.5	0.0	21.0	0.0	108.5	33.6
19	0.37	16.8	0.4	85.98	3.78	1.89	0.0	21.0	0.0	82.1	25.5
20	0.43	17.0	0.5	45.38	2.0	1.0	0.0	21.0	0.0	43.3	13.4

xc = 33.291 yc = 109.04 Rc = 100.317 Fs=1.506

Nr.	B m	Alfa (°)	Li m	Wi (Kg)	Kh•Wi (Kg)	Kv•Wi (Kg)	c (kg/cm²)	Fi (°)	Ui (Kg)	N'i (Kg)	Ti (Kg)
1	0.31	10.1	0.3	61.05	2.69	1.34	0.0	21.0	0.0	59.3	15.1
2	0.21	10.3	0.2	112.17	4.94	2.47	0.0	21.0	0.0	109.0	27.8
3	0.41	10.5	0.4	276.74	12.18	6.09	0.0	21.0	0.0	268.8	68.5
4	0.31	10.7	0.3	219.28	9.65	4.82	0.0	21.0	0.0	212.9	54.3
5	0.28	10.9	0.3	205.01	9.02	4.51	0.0	21.0	0.0	199.0	50.7
6	0.34	11.0	0.3	254.8	11.21	5.61	0.0	21.0	0.0	247.3	63.0
7	0.31	11.2	0.3	241.12	10.61	5.3	0.0	21.0	0.0	234.0	59.6
8	0.35	11.4	0.4	280.66	12.35	6.17	0.0	21.0	0.0	272.3	69.4
9	0.27	11.6	0.3	208.88	9.19	4.6	0.0	21.0	0.0	202.6	51.6
10	0.31	11.8	0.3	213.44	9.39	4.7	0.0	21.0	0.0	207.0	52.8
11	0.42	12.0	0.4	242.41	10.67	5.33	0.0	21.0	0.0	235.1	59.9
12	0.2	12.2	0.2	102.0	4.49	2.24	0.0	21.0	0.0	98.9	25.2
13	0.31	12.3	0.3	151.62	6.67	3.34	0.0	21.0	0.0	147.0	37.5
14	0.31	12.5	0.3	144.2	6.34	3.17	0.0	21.0	0.0	139.8	35.6
15	0.18	12.6	0.2	79.1	3.48	1.74	0.0	21.0	0.0	76.7	19.5
16	0.45	12.8	0.5	162.75	7.16	3.58	0.0	21.0	0.0	157.8	40.2
17	0.31	13.0	0.3	76.85	3.38	1.69	0.0	21.0	0.0	74.5	19.0
18	0.25	13.2	0.3	38.76	1.71	0.85	0.0	21.0	0.0	37.6	9.6
19	0.38	13.4	0.4	31.97	1.41	0.7	0.0	21.0	0.0	31.0	7.9
20	0.31	13.6	0.3	8.45	0.37	0.19	0.0	21.0	0.0	8.2	2.1

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All. 3A - verifiche di stabilità in condizioni drenate e statiche allo stato attuale

Sez. AC

Analisi di stabilità dei pendii con : BISHOP (1955)

Lat./Long.	43.882265/10.471627 °
Calcolo eseguito secondo	NTC 2018
Numero di strati	3.0
Numero dei conci	20.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata

Superficie di forma circolare

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	-55.51 m
Ordinata vertice sinistro inferiore yi	36.01 m
Ascissa vertice destro superiore xs	168.91 m
Ordinata vertice destro superiore ys	124.86 m
Passo di ricerca	5.0
Numero di celle lungo x	30.0
Numero di celle lungo y	30.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:	2 - Opere ordinarie
Classe d'uso:	Classe III
Vita nominale:	50.0 [anni]
Vita di riferimento:	75.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:	B
Categoria topografica:	T1

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	45.0	0.51	2.538	0.25
S.L.D.	75.0	0.618	2.552	0.265
S.L.V.	712.0	1.491	2.384	0.294
S.L.C.	1462.0	1.883	2.383	0.304

Coefficienti sismici orizzontali e verticali

Opera: Stabilità dei pendii e Fondazioni

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]
S.L.O.	0.612	0.2	0.0125	0.0062
S.L.D.	0.7416	0.2	0.0151	0.0076
S.L.V.	1.7892	0.24	0.0438	0.0219
S.L.C.	2.2596	0.24	0.0553	0.0277

Coefficiente azione sismica orizzontale 0.0438
Coefficiente azione sismica verticale 0.0219

Vertici profilo

Nr	X (m)	y (m)
1	-0.02	-0.11
2	1.02	0.05
3	2.06	0.18
4	3.09	0.3
5	4.13	0.45
6	5.16	0.62
7	6.2	0.75
8	7.23	0.87
9	8.27	0.87
10	9.3	1.11
11	10.34	1.28
12	11.37	1.51
13	12.41	1.61
14	13.44	1.83
15	14.48	1.99
16	15.51	2.09
17	16.55	2.19
18	17.58	2.4
19	18.62	2.53
20	19.66	2.53
21	20.69	2.68
22	21.73	2.94
23	22.76	3.1
24	23.8	3.28
25	24.83	3.35
26	25.87	3.55
27	26.9	3.8
28	27.94	3.87
29	28.97	3.99
30	30.01	4.01
31	31.04	4.1
32	32.08	4.26
33	33.11	4.58
34	34.15	4.77

35	35.19	4.99
36	36.22	5.09
37	37.26	5.24
38	38.29	5.45
39	39.33	5.54
40	40.36	5.54
41	41.4	5.76
42	42.43	5.98
43	43.47	6.18
44	44.5	6.32
45	45.54	6.45
46	46.57	6.61
47	47.61	6.84
48	48.64	7.05
49	49.68	7.17
50	50.71	7.17
51	51.75	7.32
52	52.79	7.44
53	53.82	7.62
54	54.86	7.9
55	55.89	8.19
56	56.93	8.52
57	57.96	8.68
58	59.0	8.99
59	60.03	9.11
60	61.07	9.11
61	62.1	9.33
62	63.14	9.9
63	64.17	10.17
64	65.21	10.37
65	66.24	10.48
66	67.28	10.52
67	68.31	10.77
68	69.35	11.12
69	70.39	11.36
70	71.42	11.96
71	71.42	11.96
72	72.49	12.2
73	73.57	12.5
74	74.64	12.8
75	75.71	13.16
76	76.79	13.34
77	77.86	13.39
78	78.93	13.42
79	79.39	13.71
80	81.08	13.65
81	82.66	13.51
82	83.43	14.08

83	83.87	14.74
84	85.05	15.48
85	89.19	15.92
86	91.81	16.16
87	92.89	16.28
88	93.96	16.78
89	95.03	16.8
90	96.11	17.34
91	97.18	18.02
92	98.25	18.47
93	99.33	18.37
94	100.4	18.48
95	101.47	18.48
96	104.49	19.18
97	107.85	19.7
98	108.72	22.58
99	113.28	23.3
100	114.35	23.33
101	116.5	23.2
102	117.57	23.29
103	118.64	23.38
104	119.72	23.45
105	120.79	23.52
106	124.01	23.76
107	125.08	23.87
108	126.16	23.99
109	127.23	24.22
110	129.38	24.6
111	131.52	24.98
112	132.6	25.28
113	133.67	25.57
114	135.82	25.8
115	136.89	25.97
116	137.96	26.29
117	139.04	26.59
118	140.11	26.94
119	141.18	27.09
120	142.26	27.24
121	143.33	27.59
122	144.4	27.74
123	145.48	27.89
124	146.55	28.76
125	147.62	28.76
126	148.7	28.9
127	149.77	29.02
128	150.84	28.96
129	151.92	28.77
130	152.99	28.58

131	154.06	28.61
132	155.14	28.7
133	156.21	28.66
134	157.28	28.64
135	158.35	28.65
136	159.43	28.98
137	160.5	30.43
138	161.57	32.11
139	162.65	32.36
140	163.72	32.89
141	164.79	33.02
142	165.87	33.18
143	166.94	33.34
144	168.01	33.57

Falda

Nr.	X (m)	y (m)
1	0.38	-0.98
2	46.24	6.25
3	77.3	12.37
4	87.28	12.69
5	108.53	15.11
6	141.98	21.28
7	168.12	28.0

Vertici strato 1

N	X (m)	y (m)
1	-0.02	-3.84
2	39.61	2.03
3	71.42	11.28
4	79.68	12.62
5	81.08	13.65
6	82.77	13.5
7	83.44	13.99
8	83.9	14.7
9	85.05	15.45
10	87.69	15.76
11	88.49	15.9
12	89.15	15.93
13	92.89	16.28
14	93.96	16.78
15	95.03	16.8
16	106.21	19.47
17	122.09	21.64
18	157.82	28.65
19	159.43	28.98
20	161.57	32.11

21	162.65	32.36
22	163.72	32.89
23	164.26	32.96
24	166.4	33.26
25	168.01	33.57
26	168.01	33.57

Vertici strato 2

N	X (m)	y (m)
1	-0.02	-14.33
2	18.01	-6.9
3	36.18	-2.7
4	73.1	7.94
5	83.03	9.96
6	90.36	11.76
7	100.05	13.58
8	114.94	15.93
9	124.43	17.78
10	146.49	22.3
11	164.54	26.69
12	168.01	27.75

Coefficienti parziali azioni

Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

Coefficienti parziali per i parametri geotecnici del terreno

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	No

Stratigrafia

Strato	Coesione (kN/m²)	Coesione non drenata (kN/m²)	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m³)	Peso unità di volume saturo (kN/m³)	Litologia	
1	0		21	18,5	18,5	O	
2	15		24	19	19		
3	140		27	21	21		

Muri di sostegno - Caratteristiche geometriche

N°	x (m)	y (m)	Base mensola a	Base mensola a	Altezza muro	Spessore testa	Spessore base	Peso specifico

			valle (m)	monte (m)	(m)	(m)	(m)	(kN/m³)
1	159.67	28.5	1.2	0.3	3	0.3	0.3	24
2	148.24	27.23	0.3	1.2	2	0.3	0.3	24
3	108.32	19.77	1.2	0.3	3	0.3	0.3	24

Carichi distribuiti

N°	xi (m)	yi (m)	xf (m)	yf (m)	Carico esterno (kN/m²)
1	148.17	27	158.17	28.30445	100
2	102	18.4	108	19.79341	100

Risultati analisi pendio

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Fs minimo individuato	0.97
Ascissa centro superficie	41.74 m
Ordinata centro superficie	98.21 m
Raggio superficie	91.69 m

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Numero di superfici esaminate....(487)

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N°	Xo	Yo	Ro	Fs
1	30.5	37.5	33.6	1.56
2	34.3	36.0	32.2	1.27
3	38.0	37.5	33.7	1.20
4	41.7	36.0	32.3	2.31
5	53.0	37.5	33.9	2.05
6	56.7	36.0	32.5	5.37
7	67.9	37.5	26.5	2.70
8	71.7	36.0	25.1	4.22
9	75.4	37.5	26.7	3.08
10	79.1	36.0	25.3	2.99
11	82.9	37.5	26.3	2.75
12	86.6	36.0	25.5	4.26
13	90.4	37.5	25.8	3.39
14	94.1	36.0	25.3	4.15
15	97.8	37.5	33.5	3.00
16	101.6	36.0	24.7	5.11
17	105.3	37.5	33.4	5.22
18	109.1	36.0	32.2	6.03
19	112.8	37.5	33.3	6.11
20	116.5	36.0	24.4	8.87
21	120.3	37.5	33.3	5.09
22	124.0	36.0	32.3	4.47
23	127.8	37.5	16.2	3.80
24	131.5	36.0	15.1	3.36

25	135.2	37.5	13.4	3.09
26	139.0	36.0	23.4	3.97
27	142.7	37.5	15.5	1.93
28	146.5	36.0	13.3	2.12
29	150.2	37.5	11.2	3.13
30	153.9	36.0	11.4	8.00
31	161.4	36.0	5.7	2.77
32	34.3	39.0	35.2	1.25
33	38.0	40.5	36.7	1.21
34	41.7	39.0	35.2	2.20
35	49.2	39.0	35.3	2.75
36	53.0	40.5	36.8	1.89
37	56.7	39.0	35.4	4.23
38	60.4	40.5	36.5	6.01
39	64.2	39.0	35.5	5.72
40	67.9	40.5	36.3	5.89
41	71.7	39.0	27.4	4.42
42	75.4	40.5	27.5	3.61
43	79.1	39.0	26.9	3.67
44	82.9	40.5	27.0	4.15
45	86.6	39.0	26.4	2.33
46	90.4	40.5	35.8	4.87
47	94.1	39.0	25.9	1.87
48	97.8	40.5	36.1	3.04
49	101.6	39.0	34.7	3.90
50	105.3	40.5	36.3	4.66
51	109.1	39.0	35.0	5.85
52	112.8	40.5	18.6	3.37
53	116.5	39.0	17.4	4.07
54	120.3	40.5	17.9	3.06
55	124.0	39.0	17.7	4.18
56	127.8	40.5	17.2	1.74
57	131.5	39.0	15.2	1.62
58	135.2	40.5	20.7	3.84
59	139.0	39.0	17.7	1.99
60	142.7	40.5	15.8	1.77
61	146.5	39.0	13.4	1.95
62	30.5	43.4	39.4	1.65
63	34.3	41.9	38.1	1.23
64	38.0	43.4	39.1	1.27
65	41.7	41.9	38.1	2.26
66	45.5	43.4	38.8	2.61
67	49.2	41.9	37.8	2.60
68	53.0	43.4	38.6	2.24
69	56.7	41.9	37.6	4.70
70	60.4	43.4	38.3	5.31
71	71.7	41.9	37.0	5.68
72	75.4	43.4	38.2	4.66
73	79.1	41.9	27.7	9.02

74	82.9	43.4	29.5	4.72
75	86.6	41.9	28.3	2.97
76	90.4	43.4	38.8	4.94
77	94.1	41.9	28.8	1.93
78	97.8	43.4	38.9	2.99
79	101.6	41.9	27.8	2.36
80	105.3	43.4	29.3	4.99
81	109.1	41.9	29.7	6.59
82	112.8	43.4	29.4	7.88
83	116.5	41.9	19.5	4.41
84	120.3	43.4	20.0	3.26
85	124.0	41.9	35.9	4.81
86	127.8	43.4	33.4	5.29
87	139.0	41.9	19.0	1.85
88	34.3	44.9	40.1	1.91
89	41.7	44.9	39.9	1.30
90	45.5	46.4	40.6	1.21
91	49.2	44.9	39.6	2.79
92	53.0	46.4	40.4	2.33
93	56.7	44.9	39.3	1.90
94	60.4	46.4	40.7	3.11
95	64.2	44.9	39.3	5.60
96	67.9	46.4	40.9	6.48
97	75.4	46.4	41.2	4.61
98	79.1	44.9	39.8	4.13
99	82.9	46.4	41.5	4.12
100	86.6	44.9	31.2	2.43
101	90.4	46.4	32.9	1.85
102	94.1	44.9	31.7	1.97
103	97.8	46.4	32.7	2.18
104	101.6	44.9	30.2	2.41
105	105.3	46.4	30.4	3.09
106	109.1	44.9	22.1	2.04
107	112.8	46.4	31.5	7.63
108	116.5	44.9	29.8	9.04
109	120.3	46.4	40.4	4.73
110	127.8	46.4	25.5	3.37
111	131.5	44.9	30.6	4.35
112	135.2	46.4	21.3	1.44
113	139.0	44.9	25.0	4.36
114	142.7	46.4	22.8	2.00
115	146.5	44.9	19.9	2.24
116	41.7	47.9	41.7	1.92
117	45.5	49.3	43.1	1.22
118	53.0	49.3	43.4	2.21
119	56.7	47.9	42.0	1.93
120	60.4	49.3	43.6	2.80
121	64.2	47.9	42.3	5.96
122	67.9	49.3	43.9	6.53

123	71.7	47.9	42.5	4.90
124	79.1	47.9	42.8	4.02
125	82.9	49.3	35.4	4.23
126	86.6	47.9	34.1	2.20
127	90.4	49.3	35.9	1.89
128	94.1	47.9	34.7	2.04
129	97.8	49.3	35.1	2.23
130	101.6	47.9	32.6	2.50
131	105.3	49.3	32.6	3.30
132	109.1	47.9	32.2	3.66
133	112.8	49.3	43.5	4.60
134	116.5	47.9	41.6	5.09
135	120.3	49.3	40.9	5.09
136	124.0	47.9	29.0	3.67
137	127.8	49.3	26.8	3.24
138	131.5	47.9	23.6	1.53
139	135.2	49.3	29.1	3.03
140	142.7	49.3	24.2	1.96
141	45.5	52.3	46.1	1.20
142	49.2	50.8	44.7	3.33
143	53.0	52.3	46.3	2.15
144	56.7	50.8	45.0	2.08
145	67.9	52.3	46.8	6.17
146	71.7	50.8	45.5	5.52
147	75.4	52.3	47.1	3.71
148	79.1	50.8	45.7	4.45
149	82.9	52.3	38.3	4.27
150	86.6	50.8	37.1	2.08
151	90.4	52.3	38.8	1.93
152	94.1	50.8	37.6	2.06
153	97.8	52.3	37.5	2.26
154	101.6	50.8	35.1	2.59
155	105.3	52.3	35.0	3.39
156	109.1	50.8	33.3	4.38
157	112.8	52.3	45.8	4.42
158	116.5	50.8	32.8	4.24
159	120.3	52.3	31.7	4.49
160	124.0	50.8	30.5	3.66
161	127.8	52.3	28.4	1.57
162	135.2	52.3	30.2	1.94
163	139.0	50.8	27.1	1.95
164	45.5	55.3	49.0	1.12
165	49.2	53.8	47.7	2.72
166	53.0	55.3	49.3	2.23
167	56.7	53.8	47.9	1.97
168	60.4	55.3	49.5	5.70
169	64.2	53.8	48.2	6.10
170	67.9	55.3	49.8	6.01
171	75.4	55.3	50.0	4.21

172	79.1	53.8	39.5	9.02
173	82.9	55.3	41.2	4.33
174	86.6	53.8	49.0	4.79
175	90.4	55.3	41.8	1.96
176	94.1	53.8	40.0	2.11
177	97.8	55.3	40.0	2.34
178	101.6	53.8	37.5	2.68
179	105.3	55.3	37.5	3.45
180	109.1	53.8	35.0	4.37
181	116.5	53.8	44.5	5.52
182	120.3	55.3	32.1	2.52
183	124.0	53.8	31.3	2.92
184	131.5	53.8	34.1	3.12
185	135.2	55.3	31.9	1.94
186	45.5	58.2	52.0	1.12
187	56.7	56.7	50.9	1.96
188	64.2	56.7	51.1	6.06
189	67.9	58.2	52.7	5.91
190	79.1	56.7	51.7	4.35
191	82.9	58.2	44.2	3.36
192	86.6	56.7	51.9	4.56
193	90.4	58.2	44.7	2.01
194	94.1	56.7	42.4	2.16
195	97.8	58.2	42.4	2.37
196	101.6	56.7	39.9	2.78
197	105.3	58.2	39.9	3.75
198	109.1	56.7	37.4	4.12
199	112.8	58.2	48.4	5.78
200	116.5	56.7	34.8	3.24
201	120.3	58.2	43.1	5.06
202	131.5	56.7	35.7	2.10
203	41.7	59.7	53.3	2.11
204	49.2	59.7	53.6	2.45
205	53.0	61.2	55.2	2.04
206	56.7	59.7	53.8	2.06
207	60.4	61.2	55.4	4.47
208	64.2	59.7	54.1	5.96
209	67.9	61.2	55.7	5.21
210	79.1	59.7	54.6	4.15
211	82.9	61.2	47.1	2.82
212	86.6	59.7	45.9	1.86
213	90.4	61.2	47.3	2.05
214	94.1	59.7	44.9	2.21
215	97.8	61.2	44.8	2.44
216	101.6	59.7	42.4	2.88
217	105.3	61.2	42.3	3.74
218	41.7	62.7	56.3	2.15
219	45.5	64.1	57.9	1.07
220	49.2	62.7	56.5	2.87

221	53.0	64.1	58.1	2.16
222	56.7	62.7	56.8	2.05
223	71.7	62.7	57.3	4.35
224	75.4	64.1	58.9	3.63
225	79.1	62.7	57.6	4.12
226	82.9	64.1	50.1	2.54
227	86.6	62.7	48.9	1.92
228	90.4	64.1	49.8	2.12
229	94.1	62.7	47.3	2.24
230	97.8	64.1	47.3	2.53
231	101.6	62.7	44.8	3.01
232	41.7	65.6	59.2	2.16
233	45.5	67.1	60.8	1.05
234	49.2	65.6	59.5	2.66
235	53.0	67.1	61.1	2.06
236	56.7	65.6	59.7	2.02
237	60.4	67.1	61.3	5.94
238	71.7	65.6	60.3	4.53
239	79.1	65.6	60.5	4.11
240	82.9	67.1	53.0	2.38
241	86.6	65.6	51.8	1.95
242	90.4	67.1	52.2	2.19
243	94.1	65.6	49.7	2.29
244	97.8	67.1	49.7	2.56
245	101.6	65.6	47.2	3.01
246	109.1	65.6	43.2	2.90
247	127.8	67.1	43.0	1.51
248	41.7	68.6	62.2	1.57
249	45.5	70.1	63.8	2.44
250	49.2	68.6	62.4	2.60
251	53.0	70.1	64.0	2.30
252	64.2	68.6	62.9	5.81
253	71.7	68.6	63.2	4.71
254	75.4	70.1	64.8	4.75
255	79.1	68.6	63.5	4.41
256	82.9	70.1	65.1	4.52
257	86.6	68.6	54.7	2.01
258	90.4	70.1	54.6	2.21
259	94.1	68.6	52.2	2.27
260	97.8	70.1	52.1	2.58
261	101.6	68.6	49.7	2.87
262	116.5	68.6	50.3	3.61
263	120.3	70.1	48.1	3.30
264	124.0	68.6	45.2	1.65
265	41.7	71.6	65.1	1.41
266	45.5	73.0	66.7	2.48
267	49.2	71.6	65.4	2.45
268	53.0	73.0	67.0	2.19
269	56.7	71.6	65.6	1.95

270	64.2	71.6	65.9	5.43
271	67.9	73.0	67.5	4.81
272	71.7	71.6	66.2	4.61
273	75.4	73.0	67.8	4.59
274	79.1	71.6	57.2	6.54
275	86.6	71.6	57.1	2.10
276	90.4	73.0	57.1	2.15
277	94.1	71.6	54.6	2.27
278	97.8	73.0	65.9	3.34
279	112.8	73.0	55.9	3.47
280	120.3	73.0	49.9	1.97
281	41.7	74.5	68.1	1.33
282	45.5	76.0	69.7	2.71
283	56.7	74.5	68.6	1.93
284	60.4	76.0	70.2	4.81
285	64.2	74.5	68.8	5.40
286	71.7	74.5	69.1	3.64
287	75.4	76.0	70.7	4.54
288	79.1	74.5	69.4	4.24
289	82.9	76.0	71.0	4.40
290	86.6	74.5	59.5	2.20
291	90.4	76.0	59.5	2.13
292	94.1	74.5	57.0	2.26
293	97.8	76.0	68.6	3.42
294	112.8	76.0	57.7	3.87
295	41.7	77.5	71.0	1.21
296	45.5	79.0	72.6	2.61
297	49.2	77.5	71.3	2.29
298	53.0	79.0	72.9	2.16
299	56.7	77.5	71.5	2.95
300	60.4	79.0	73.1	5.37
301	64.2	77.5	71.8	4.85
302	67.9	79.0	73.4	4.64
303	75.4	79.0	73.7	4.51
304	79.1	77.5	72.3	4.26
305	82.9	79.0	73.7	4.70
306	86.6	77.5	71.8	4.53
307	90.4	79.0	72.5	5.29
308	94.1	77.5	70.5	5.01
309	105.3	79.0	65.5	5.67
310	109.1	77.5	61.6	3.71
311	116.5	77.5	55.6	2.47
312	41.7	80.4	74.0	1.18
313	45.5	81.9	75.6	2.46
314	49.2	80.4	74.2	2.43
315	53.0	81.9	75.8	2.21
316	67.9	81.9	76.4	4.59
317	71.7	80.4	75.0	3.57
318	75.4	81.9	76.6	4.48

319	79.1	80.4	75.3	4.67
320	82.9	81.9	76.4	4.45
321	86.6	80.4	74.5	4.91
322	90.4	81.9	64.4	2.14
323	105.3	81.9	67.2	5.39
324	109.1	80.4	63.3	3.43
325	116.5	80.4	57.5	2.84
326	41.7	83.4	76.9	1.13
327	49.2	83.4	77.2	2.28
328	53.0	84.9	78.8	2.19
329	56.7	83.4	77.4	3.77
330	60.4	84.9	79.1	5.18
331	67.9	84.9	79.3	4.71
332	71.7	83.4	78.0	4.72
333	75.4	84.9	79.6	4.47
334	79.1	83.4	68.9	3.54
335	82.9	84.9	79.1	4.45
336	86.6	83.4	66.8	2.26
337	90.4	84.9	77.9	5.36
338	94.1	83.4	75.9	4.46
339	97.8	84.9	75.0	4.01
340	101.6	83.4	71.1	5.18
341	105.3	84.9	69.0	2.95
342	109.1	83.4	65.2	3.68
343	41.7	86.4	79.9	1.12
344	45.5	87.8	81.5	2.62
345	56.7	86.4	80.4	3.51
346	60.4	87.8	82.0	4.79
347	71.7	86.4	80.9	4.66
348	75.4	87.8	82.5	4.77
349	79.1	86.4	71.7	3.58
350	82.9	87.8	71.7	1.41
351	86.6	86.4	79.9	4.41
352	90.4	87.8	80.6	4.74
353	94.1	86.4	78.6	4.72
354	101.6	86.4	72.9	5.12
355	109.1	86.4	66.9	3.94
356	112.8	87.8	64.9	4.16
357	41.7	89.3	82.8	1.08
358	45.5	90.8	84.4	2.82
359	49.2	89.3	83.1	2.66
360	53.0	90.8	84.7	2.13
361	60.4	90.8	85.0	4.67
362	64.2	89.3	83.6	4.22
363	67.9	90.8	85.2	4.58
364	79.1	89.3	74.2	20.00
365	82.9	90.8	84.5	4.57
366	86.6	89.3	82.6	4.44
367	90.4	90.8	83.3	4.82

368	94.1	89.3	80.6	3.78
369	97.8	90.8	78.5	5.03
370	101.6	89.3	74.6	4.47
371	105.3	90.8	72.5	3.70
372	49.2	92.3	86.0	2.59
373	53.0	93.8	87.6	2.13
374	64.2	92.3	86.6	4.39
375	67.9	93.8	88.2	3.66
376	71.7	92.3	86.8	4.83
377	79.1	92.3	86.5	4.14
378	94.1	92.3	82.4	4.11
379	97.8	93.8	80.2	4.83
380	41.7	95.2	88.7	0.98
381	45.5	96.7	90.3	2.55
382	49.2	95.2	89.0	2.54
383	53.0	96.7	90.6	2.14
384	56.7	95.2	89.3	5.84
385	71.7	95.2	89.8	3.44
386	86.6	95.2	87.9	4.50
387	101.6	95.2	78.1	3.00
388	109.1	95.2	72.4	3.61
389	41.7	98.2	91.7	0.97
390	45.5	99.7	93.3	2.63
391	56.7	98.2	92.2	3.83
392	60.4	99.7	93.8	4.32
393	64.2	98.2	92.5	3.77
394	71.7	98.2	92.7	4.70
395	75.4	99.7	93.9	4.97
396	79.1	98.2	91.9	4.40
397	82.9	99.7	92.5	4.56
398	86.6	98.2	90.5	5.24
399	90.4	99.7	89.6	4.26
400	101.6	98.2	79.9	3.54
401	41.7	101.2	94.6	1.75
402	45.5	102.6	96.2	2.62
403	49.2	101.2	94.9	2.46
404	53.0	102.6	96.5	2.13
405	64.2	101.2	95.4	4.38
406	67.9	102.6	97.0	4.70
407	75.4	102.6	96.4	5.08
408	79.1	101.2	94.4	4.63
409	82.9	102.6	95.0	4.66
410	90.4	102.6	91.3	4.60
411	94.1	101.2	87.5	2.41
412	97.8	102.6	85.5	3.04
413	49.2	104.1	97.9	2.44
414	53.0	105.6	99.5	2.09
415	56.7	104.1	98.1	4.37
416	64.2	104.1	98.4	4.31

417	67.9	105.6	100.0	4.77
418	71.7	104.1	98.4	4.93
419	75.4	105.6	99.0	5.13
420	86.6	104.1	95.1	4.51
421	90.4	105.6	93.1	2.85
422	94.1	104.1	89.3	2.52
423	97.8	105.6	87.3	3.29
424	41.7	107.1	100.5	2.75
425	53.0	108.6	102.4	2.07
426	60.4	108.6	102.7	4.63
427	79.1	107.1	99.5	4.83
428	82.9	108.6	100.1	4.93
429	86.6	107.1	96.9	4.60
430	94.1	107.1	91.1	2.66
431	41.7	110.1	103.5	2.75
432	45.5	111.5	105.1	2.68
433	60.4	111.5	105.6	4.02
434	64.2	110.1	104.3	4.47
435	71.7	110.1	103.5	4.97
436	75.4	111.5	104.1	4.78
437	79.1	110.1	102.1	4.90
438	82.9	111.5	102.5	5.10
439	86.6	110.1	98.7	2.21
440	90.4	111.5	96.7	2.49
441	94.1	110.1	93.0	2.96
442	41.7	113.0	106.4	2.70
443	45.5	114.5	108.1	2.62
444	49.2	113.0	106.7	2.36
445	53.0	114.5	108.3	1.95
446	64.2	113.0	107.2	3.56
447	67.9	114.5	108.0	3.72
448	71.7	113.0	106.0	4.23
449	75.4	114.5	106.6	4.95
450	79.1	113.0	104.6	5.06
451	82.9	114.5	104.2	4.98
452	86.6	113.0	100.5	2.05
453	90.4	114.5	98.6	2.75
454	94.1	113.0	94.8	2.81
455	38.0	117.5	110.7	1.45
456	41.7	116.0	109.4	2.60
457	49.2	116.0	109.7	2.32
458	53.0	117.5	111.3	1.89
459	56.7	116.0	109.9	4.02
460	64.2	116.0	110.0	4.41
461	67.9	117.5	110.6	3.82
462	79.1	116.0	107.1	5.30
463	82.9	117.5	106.1	2.24
464	86.6	116.0	102.3	2.29
465	90.4	117.5	100.5	2.79

466	38.0	120.4	113.7	1.29
467	41.7	118.9	112.4	2.56
468	45.5	120.4	114.0	2.60
469	56.7	118.9	112.9	3.92
470	60.4	120.4	114.5	4.54
471	71.7	118.9	111.1	3.81
472	75.4	120.4	111.7	5.07
473	82.9	120.4	107.9	1.91
474	86.6	118.9	104.2	2.58
475	41.7	121.9	115.3	2.62
476	45.5	123.4	116.9	2.59
477	56.7	121.9	115.8	4.19
478	64.2	121.9	115.1	4.93
479	67.9	123.4	115.6	4.43
480	75.4	123.4	114.2	5.20
481	79.1	121.9	111.7	4.43
482	86.6	121.9	106.1	2.78
483	94.1	121.9	100.7	1.73
484	49.2	124.9	118.5	2.26
485	71.7	124.9	116.2	4.92
486	79.1	124.9	113.5	3.23
487	86.6	124.9	108.0	2.56

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All. 3B - verifiche di stabilità in condizioni drenate e dinamiche allo stato attuale
Sez. AC

Analisi di stabilità dei pendii con : BISHOP (1955)

Lat./Long.	43.882265/10.471627 °
Calcolo eseguito secondo	NTC 2018
Numero di strati	3.0
Numero dei conci	20.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	-55.51 m
Ordinata vertice sinistro inferiore yi	36.01 m
Ascissa vertice destro superiore xs	168.91 m
Ordinata vertice destro superiore ys	124.86 m
Passo di ricerca	5.0
Numero di celle lungo x	30.0
Numero di celle lungo y	30.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:	2 - Opere ordinarie
Classe d'uso:	Classe III
Vita nominale:	50.0 [anni]
Vita di riferimento:	75.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:	B
Categoria topografica:	T1

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	45.0	0.51	2.538	0.25
S.L.D.	75.0	0.618	2.552	0.265
S.L.V.	712.0	1.491	2.384	0.294
S.L.C.	1462.0	1.883	2.383	0.304

Coefficienti sismici orizzontali e verticali

Opera: Stabilità dei pendii e Fondazioni

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]
S.L.O.	0.612	0.2	0.0125	0.0062
S.L.D.	0.7416	0.2	0.0151	0.0076
S.L.V.	1.7892	0.24	0.0438	0.0219
S.L.C.	2.2596	0.24	0.0553	0.0277

Coefficiente azione sismica orizzontale 0.0438
Coefficiente azione sismica verticale 0.0219

Vertici profilo

Nr	X (m)	y (m)
1	-0.02	-0.11
2	1.02	0.05
3	2.06	0.18
4	3.09	0.3
5	4.13	0.45
6	5.16	0.62
7	6.2	0.75
8	7.23	0.87
9	8.27	0.87
10	9.3	1.11
11	10.34	1.28
12	11.37	1.51
13	12.41	1.61
14	13.44	1.83
15	14.48	1.99
16	15.51	2.09
17	16.55	2.19
18	17.58	2.4
19	18.62	2.53
20	19.66	2.53
21	20.69	2.68
22	21.73	2.94
23	22.76	3.1
24	23.8	3.28
25	24.83	3.35
26	25.87	3.55
27	26.9	3.8
28	27.94	3.87
29	28.97	3.99
30	30.01	4.01
31	31.04	4.1
32	32.08	4.26
33	33.11	4.58

34	34.15	4.77
35	35.19	4.99
36	36.22	5.09
37	37.26	5.24
38	38.29	5.45
39	39.33	5.54
40	40.36	5.54
41	41.4	5.76
42	42.43	5.98
43	43.47	6.18
44	44.5	6.32
45	45.54	6.45
46	46.57	6.61
47	47.61	6.84
48	48.64	7.05
49	49.68	7.17
50	50.71	7.17
51	51.75	7.32
52	52.79	7.44
53	53.82	7.62
54	54.86	7.9
55	55.89	8.19
56	56.93	8.52
57	57.96	8.68
58	59.0	8.99
59	60.03	9.11
60	61.07	9.11
61	62.1	9.33
62	63.14	9.9
63	64.17	10.17
64	65.21	10.37
65	66.24	10.48
66	67.28	10.52
67	68.31	10.77
68	69.35	11.12
69	70.39	11.36
70	71.42	11.96
71	71.42	11.96
72	72.49	12.2
73	73.57	12.5
74	74.64	12.8
75	75.71	13.16
76	76.79	13.34
77	77.86	13.39
78	78.93	13.42
79	79.39	13.71
80	81.08	13.65
81	82.66	13.51

82	83.43	14.08
83	83.87	14.74
84	85.05	15.48
85	89.19	15.92
86	91.81	16.16
87	92.89	16.28
88	93.96	16.78
89	95.03	16.8
90	96.11	17.34
91	97.18	18.02
92	98.25	18.47
93	99.33	18.37
94	100.4	18.48
95	101.47	18.48
96	104.49	19.18
97	107.85	19.7
98	108.72	22.58
99	113.28	23.3
100	114.35	23.33
101	116.5	23.2
102	117.57	23.29
103	118.64	23.38
104	119.72	23.45
105	120.79	23.52
106	124.01	23.76
107	125.08	23.87
108	126.16	23.99
109	127.23	24.22
110	129.38	24.6
111	131.52	24.98
112	132.6	25.28
113	133.67	25.57
114	135.82	25.8
115	136.89	25.97
116	137.96	26.29
117	139.04	26.59
118	140.11	26.94
119	141.18	27.09
120	142.26	27.24
121	143.33	27.59
122	144.4	27.74
123	145.48	27.89
124	146.55	28.76
125	147.62	28.76
126	148.7	28.9
127	149.77	29.02
128	150.84	28.96
129	151.92	28.77

130	152.99	28.58
131	154.06	28.61
132	155.14	28.7
133	156.21	28.66
134	157.28	28.64
135	158.35	28.65
136	159.43	28.98
137	160.5	30.43
138	161.57	32.11
139	162.65	32.36
140	163.72	32.89
141	164.79	33.02
142	165.87	33.18
143	166.94	33.34
144	168.01	33.57

Falda

Nr.	X (m)	y (m)
1	0.38	-0.98
2	46.24	6.25
3	77.3	12.37
4	87.28	12.69
5	108.53	15.11
6	141.98	21.28
7	168.12	28.0

Vertici strato 1

N	X (m)	y (m)
1	-0.02	-3.84
2	39.61	2.03
3	71.42	11.28
4	79.68	12.62
5	81.08	13.65
6	82.77	13.5
7	83.44	13.99
8	83.9	14.7
9	85.05	15.45
10	87.69	15.76
11	88.49	15.9
12	89.15	15.93
13	92.89	16.28
14	93.96	16.78
15	95.03	16.8
16	106.21	19.47
17	122.09	21.64
18	157.82	28.65
19	159.43	28.98

20	161.57	32.11
21	162.65	32.36
22	163.72	32.89
23	164.26	32.96
24	166.4	33.26
25	168.01	33.57
26	168.01	33.57

Vertici strato 2

N	X (m)	y (m)
1	-0.02	-14.33
2	18.01	-6.9
3	36.18	-2.7
4	73.1	7.94
5	83.03	9.96
6	90.36	11.76
7	100.05	13.58
8	114.94	15.93
9	124.43	17.78
10	146.49	22.3
11	164.54	26.69
12	168.01	27.75

Coefficienti parziali azioni

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Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

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Coefficienti parziali per i parametri geotecnici del terreno

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Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	No

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Stratigrafia

Strato	Coesione (kN/m²)	Coesione non drenata (kN/m²)	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m³)	Peso unità di volume saturo (kN/m³)	Litologia	
1	0		21	18,5	18,5	O	
2	15		24	19	19		
3	140		27	21	21		

Muri di sostegno - Caratteristiche geometriche

N°	x	y	Base	Base	Altezza	Spessore	Spessore	Peso

	(m)	(m)	mensola a valle (m)	mensola a monte (m)	muro (m)	testa (m)	base (m)	specifico (kN/m³)
1	159.67	28.5	1.2	0.3	3	0.3	0.3	24
2	148.24	27.23	0.3	1.2	2	0.3	0.3	24
3	108.32	19.77	1.2	0.3	3	0.3	0.3	24

Carichi distribuiti

N°	xi (m)	yi (m)	xf (m)	yf (m)	Carico esterno (kN/m²)
1	148.17	27	158.17	28.30445	100
2	102	18.4	108	19.79341	100

Risultati analisi pendio

==========

Fs minimo individuato	0.97
Ascissa centro superficie	41.74 m
Ordinata centro superficie	98.21 m
Raggio superficie	91.69 m

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Numero di superfici esaminate....(487)

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N°	Xo	Yo	Ro	Fs
1	30.5	37.5	33.6	1.56
2	34.3	36.0	32.2	1.27
3	38.0	37.5	33.7	1.20
4	41.7	36.0	32.3	2.31
5	53.0	37.5	33.9	2.05
6	56.7	36.0	32.5	5.37
7	67.9	37.5	26.5	2.70
8	71.7	36.0	25.1	4.22
9	75.4	37.5	26.7	3.08
10	79.1	36.0	25.3	2.99
11	82.9	37.5	26.3	2.75
12	86.6	36.0	25.5	4.26
13	90.4	37.5	25.8	3.39
14	94.1	36.0	25.3	4.15
15	97.8	37.5	33.5	3.00
16	101.6	36.0	24.7	5.11
17	105.3	37.5	33.4	5.22
18	109.1	36.0	32.2	6.03
19	112.8	37.5	33.3	6.11
20	116.5	36.0	24.4	8.87
21	120.3	37.5	33.3	5.09
22	124.0	36.0	32.3	4.47
23	127.8	37.5	16.2	3.80

24	131.5	36.0	15.1	3.36
25	135.2	37.5	13.4	3.09
26	139.0	36.0	23.4	3.97
27	142.7	37.5	15.5	1.93
28	146.5	36.0	13.3	2.12
29	150.2	37.5	11.2	3.13
30	153.9	36.0	11.4	8.00
31	161.4	36.0	5.7	2.77
32	34.3	39.0	35.2	1.25
33	38.0	40.5	36.7	1.21
34	41.7	39.0	35.2	2.20
35	49.2	39.0	35.3	2.75
36	53.0	40.5	36.8	1.89
37	56.7	39.0	35.4	4.23
38	60.4	40.5	36.5	6.01
39	64.2	39.0	35.5	5.72
40	67.9	40.5	36.3	5.89
41	71.7	39.0	27.4	4.42
42	75.4	40.5	27.5	3.61
43	79.1	39.0	26.9	3.67
44	82.9	40.5	27.0	4.15
45	86.6	39.0	26.4	2.33
46	90.4	40.5	35.8	4.87
47	94.1	39.0	25.9	1.87
48	97.8	40.5	36.1	3.04
49	101.6	39.0	34.7	3.90
50	105.3	40.5	36.3	4.66
51	109.1	39.0	35.0	5.85
52	112.8	40.5	18.6	3.37
53	116.5	39.0	17.4	4.07
54	120.3	40.5	17.9	3.06
55	124.0	39.0	17.7	4.18
56	127.8	40.5	17.2	1.74
57	131.5	39.0	15.2	1.62
58	135.2	40.5	20.7	3.84
59	139.0	39.0	17.7	1.99
60	142.7	40.5	15.8	1.77
61	146.5	39.0	13.4	1.95
62	30.5	43.4	39.4	1.65
63	34.3	41.9	38.1	1.23
64	38.0	43.4	39.1	1.27
65	41.7	41.9	38.1	2.26
66	45.5	43.4	38.8	2.61
67	49.2	41.9	37.8	2.60
68	53.0	43.4	38.6	2.24
69	56.7	41.9	37.6	4.70
70	60.4	43.4	38.3	5.31
71	71.7	41.9	37.0	5.68
72	75.4	43.4	38.2	4.66

73	79.1	41.9	27.7	9.02
74	82.9	43.4	29.5	4.72
75	86.6	41.9	28.3	2.97
76	90.4	43.4	38.8	4.94
77	94.1	41.9	28.8	1.93
78	97.8	43.4	38.9	2.99
79	101.6	41.9	27.8	2.36
80	105.3	43.4	29.3	4.99
81	109.1	41.9	29.7	6.59
82	112.8	43.4	29.4	7.88
83	116.5	41.9	19.5	4.41
84	120.3	43.4	20.0	3.26
85	124.0	41.9	35.9	4.81
86	127.8	43.4	33.4	5.29
87	139.0	41.9	19.0	1.85
88	34.3	44.9	40.1	1.91
89	41.7	44.9	39.9	1.30
90	45.5	46.4	40.6	1.21
91	49.2	44.9	39.6	2.79
92	53.0	46.4	40.4	2.33
93	56.7	44.9	39.3	1.90
94	60.4	46.4	40.7	3.11
95	64.2	44.9	39.3	5.60
96	67.9	46.4	40.9	6.48
97	75.4	46.4	41.2	4.61
98	79.1	44.9	39.8	4.13
99	82.9	46.4	41.5	4.12
100	86.6	44.9	31.2	2.43
101	90.4	46.4	32.9	1.85
102	94.1	44.9	31.7	1.97
103	97.8	46.4	32.7	2.18
104	101.6	44.9	30.2	2.41
105	105.3	46.4	30.4	3.09
106	109.1	44.9	22.1	2.04
107	112.8	46.4	31.5	7.63
108	116.5	44.9	29.8	9.04
109	120.3	46.4	40.4	4.73
110	127.8	46.4	25.5	3.37
111	131.5	44.9	30.6	4.35
112	135.2	46.4	21.3	1.44
113	139.0	44.9	25.0	4.36
114	142.7	46.4	22.8	2.00
115	146.5	44.9	19.9	2.24
116	41.7	47.9	41.7	1.92
117	45.5	49.3	43.1	1.22
118	53.0	49.3	43.4	2.21
119	56.7	47.9	42.0	1.93
120	60.4	49.3	43.6	2.80
121	64.2	47.9	42.3	5.96

122	67.9	49.3	43.9	6.53
123	71.7	47.9	42.5	4.90
124	79.1	47.9	42.8	4.02
125	82.9	49.3	35.4	4.23
126	86.6	47.9	34.1	2.20
127	90.4	49.3	35.9	1.89
128	94.1	47.9	34.7	2.04
129	97.8	49.3	35.1	2.23
130	101.6	47.9	32.6	2.50
131	105.3	49.3	32.6	3.30
132	109.1	47.9	32.2	3.66
133	112.8	49.3	43.5	4.60
134	116.5	47.9	41.6	5.09
135	120.3	49.3	40.9	5.09
136	124.0	47.9	29.0	3.67
137	127.8	49.3	26.8	3.24
138	131.5	47.9	23.6	1.53
139	135.2	49.3	29.1	3.03
140	142.7	49.3	24.2	1.96
141	45.5	52.3	46.1	1.20
142	49.2	50.8	44.7	3.33
143	53.0	52.3	46.3	2.15
144	56.7	50.8	45.0	2.08
145	67.9	52.3	46.8	6.17
146	71.7	50.8	45.5	5.52
147	75.4	52.3	47.1	3.71
148	79.1	50.8	45.7	4.45
149	82.9	52.3	38.3	4.27
150	86.6	50.8	37.1	2.08
151	90.4	52.3	38.8	1.93
152	94.1	50.8	37.6	2.06
153	97.8	52.3	37.5	2.26
154	101.6	50.8	35.1	2.59
155	105.3	52.3	35.0	3.39
156	109.1	50.8	33.3	4.38
157	112.8	52.3	45.8	4.42
158	116.5	50.8	32.8	4.24
159	120.3	52.3	31.7	4.49
160	124.0	50.8	30.5	3.66
161	127.8	52.3	28.4	1.57
162	135.2	52.3	30.2	1.94
163	139.0	50.8	27.1	1.95
164	45.5	55.3	49.0	1.12
165	49.2	53.8	47.7	2.72
166	53.0	55.3	49.3	2.23
167	56.7	53.8	47.9	1.97
168	60.4	55.3	49.5	5.70
169	64.2	53.8	48.2	6.10
170	67.9	55.3	49.8	6.01

171	75.4	55.3	50.0	4.21
172	79.1	53.8	39.5	9.02
173	82.9	55.3	41.2	4.33
174	86.6	53.8	49.0	4.79
175	90.4	55.3	41.8	1.96
176	94.1	53.8	40.0	2.11
177	97.8	55.3	40.0	2.34
178	101.6	53.8	37.5	2.68
179	105.3	55.3	37.5	3.45
180	109.1	53.8	35.0	4.37
181	116.5	53.8	44.5	5.52
182	120.3	55.3	32.1	2.52
183	124.0	53.8	31.3	2.92
184	131.5	53.8	34.1	3.12
185	135.2	55.3	31.9	1.94
186	45.5	58.2	52.0	1.12
187	56.7	56.7	50.9	1.96
188	64.2	56.7	51.1	6.06
189	67.9	58.2	52.7	5.91
190	79.1	56.7	51.7	4.35
191	82.9	58.2	44.2	3.36
192	86.6	56.7	51.9	4.56
193	90.4	58.2	44.7	2.01
194	94.1	56.7	42.4	2.16
195	97.8	58.2	42.4	2.37
196	101.6	56.7	39.9	2.78
197	105.3	58.2	39.9	3.75
198	109.1	56.7	37.4	4.12
199	112.8	58.2	48.4	5.78
200	116.5	56.7	34.8	3.24
201	120.3	58.2	43.1	5.06
202	131.5	56.7	35.7	2.10
203	41.7	59.7	53.3	2.11
204	49.2	59.7	53.6	2.45
205	53.0	61.2	55.2	2.04
206	56.7	59.7	53.8	2.06
207	60.4	61.2	55.4	4.47
208	64.2	59.7	54.1	5.96
209	67.9	61.2	55.7	5.21
210	79.1	59.7	54.6	4.15
211	82.9	61.2	47.1	2.82
212	86.6	59.7	45.9	1.86
213	90.4	61.2	47.3	2.05
214	94.1	59.7	44.9	2.21
215	97.8	61.2	44.8	2.44
216	101.6	59.7	42.4	2.88
217	105.3	61.2	42.3	3.74
218	41.7	62.7	56.3	2.15
219	45.5	64.1	57.9	1.07

220	49.2	62.7	56.5	2.87
221	53.0	64.1	58.1	2.16
222	56.7	62.7	56.8	2.05
223	71.7	62.7	57.3	4.35
224	75.4	64.1	58.9	3.63
225	79.1	62.7	57.6	4.12
226	82.9	64.1	50.1	2.54
227	86.6	62.7	48.9	1.92
228	90.4	64.1	49.8	2.12
229	94.1	62.7	47.3	2.24
230	97.8	64.1	47.3	2.53
231	101.6	62.7	44.8	3.01
232	41.7	65.6	59.2	2.16
233	45.5	67.1	60.8	1.05
234	49.2	65.6	59.5	2.66
235	53.0	67.1	61.1	2.06
236	56.7	65.6	59.7	2.02
237	60.4	67.1	61.3	5.94
238	71.7	65.6	60.3	4.53
239	79.1	65.6	60.5	4.11
240	82.9	67.1	53.0	2.38
241	86.6	65.6	51.8	1.95
242	90.4	67.1	52.2	2.19
243	94.1	65.6	49.7	2.29
244	97.8	67.1	49.7	2.56
245	101.6	65.6	47.2	3.01
246	109.1	65.6	43.2	2.90
247	127.8	67.1	43.0	1.51
248	41.7	68.6	62.2	1.57
249	45.5	70.1	63.8	2.44
250	49.2	68.6	62.4	2.60
251	53.0	70.1	64.0	2.30
252	64.2	68.6	62.9	5.81
253	71.7	68.6	63.2	4.71
254	75.4	70.1	64.8	4.75
255	79.1	68.6	63.5	4.41
256	82.9	70.1	65.1	4.52
257	86.6	68.6	54.7	2.01
258	90.4	70.1	54.6	2.21
259	94.1	68.6	52.2	2.27
260	97.8	70.1	52.1	2.58
261	101.6	68.6	49.7	2.87
262	116.5	68.6	50.3	3.61
263	120.3	70.1	48.1	3.30
264	124.0	68.6	45.2	1.65
265	41.7	71.6	65.1	1.41
266	45.5	73.0	66.7	2.48
267	49.2	71.6	65.4	2.45
268	53.0	73.0	67.0	2.19

269	56.7	71.6	65.6	1.95
270	64.2	71.6	65.9	5.43
271	67.9	73.0	67.5	4.81
272	71.7	71.6	66.2	4.61
273	75.4	73.0	67.8	4.59
274	79.1	71.6	57.2	6.54
275	86.6	71.6	57.1	2.10
276	90.4	73.0	57.1	2.15
277	94.1	71.6	54.6	2.27
278	97.8	73.0	65.9	3.34
279	112.8	73.0	55.9	3.47
280	120.3	73.0	49.9	1.97
281	41.7	74.5	68.1	1.33
282	45.5	76.0	69.7	2.71
283	56.7	74.5	68.6	1.93
284	60.4	76.0	70.2	4.81
285	64.2	74.5	68.8	5.40
286	71.7	74.5	69.1	3.64
287	75.4	76.0	70.7	4.54
288	79.1	74.5	69.4	4.24
289	82.9	76.0	71.0	4.40
290	86.6	74.5	59.5	2.20
291	90.4	76.0	59.5	2.13
292	94.1	74.5	57.0	2.26
293	97.8	76.0	68.6	3.42
294	112.8	76.0	57.7	3.87
295	41.7	77.5	71.0	1.21
296	45.5	79.0	72.6	2.61
297	49.2	77.5	71.3	2.29
298	53.0	79.0	72.9	2.16
299	56.7	77.5	71.5	2.95
300	60.4	79.0	73.1	5.37
301	64.2	77.5	71.8	4.85
302	67.9	79.0	73.4	4.64
303	75.4	79.0	73.7	4.51
304	79.1	77.5	72.3	4.26
305	82.9	79.0	73.7	4.70
306	86.6	77.5	71.8	4.53
307	90.4	79.0	72.5	5.29
308	94.1	77.5	70.5	5.01
309	105.3	79.0	65.5	5.67
310	109.1	77.5	61.6	3.71
311	116.5	77.5	55.6	2.47
312	41.7	80.4	74.0	1.18
313	45.5	81.9	75.6	2.46
314	49.2	80.4	74.2	2.43
315	53.0	81.9	75.8	2.21
316	67.9	81.9	76.4	4.59
317	71.7	80.4	75.0	3.57

318	75.4	81.9	76.6	4.48
319	79.1	80.4	75.3	4.67
320	82.9	81.9	76.4	4.45
321	86.6	80.4	74.5	4.91
322	90.4	81.9	64.4	2.14
323	105.3	81.9	67.2	5.39
324	109.1	80.4	63.3	3.43
325	116.5	80.4	57.5	2.84
326	41.7	83.4	76.9	1.13
327	49.2	83.4	77.2	2.28
328	53.0	84.9	78.8	2.19
329	56.7	83.4	77.4	3.77
330	60.4	84.9	79.1	5.18
331	67.9	84.9	79.3	4.71
332	71.7	83.4	78.0	4.72
333	75.4	84.9	79.6	4.47
334	79.1	83.4	68.9	3.54
335	82.9	84.9	79.1	4.45
336	86.6	83.4	66.8	2.26
337	90.4	84.9	77.9	5.36
338	94.1	83.4	75.9	4.46
339	97.8	84.9	75.0	4.01
340	101.6	83.4	71.1	5.18
341	105.3	84.9	69.0	2.95
342	109.1	83.4	65.2	3.68
343	41.7	86.4	79.9	1.12
344	45.5	87.8	81.5	2.62
345	56.7	86.4	80.4	3.51
346	60.4	87.8	82.0	4.79
347	71.7	86.4	80.9	4.66
348	75.4	87.8	82.5	4.77
349	79.1	86.4	71.7	3.58
350	82.9	87.8	71.7	1.41
351	86.6	86.4	79.9	4.41
352	90.4	87.8	80.6	4.74
353	94.1	86.4	78.6	4.72
354	101.6	86.4	72.9	5.12
355	109.1	86.4	66.9	3.94
356	112.8	87.8	64.9	4.16
357	41.7	89.3	82.8	1.08
358	45.5	90.8	84.4	2.82
359	49.2	89.3	83.1	2.66
360	53.0	90.8	84.7	2.13
361	60.4	90.8	85.0	4.67
362	64.2	89.3	83.6	4.22
363	67.9	90.8	85.2	4.58
364	79.1	89.3	74.2	20.00
365	82.9	90.8	84.5	4.57
366	86.6	89.3	82.6	4.44

367	90.4	90.8	83.3	4.82
368	94.1	89.3	80.6	3.78
369	97.8	90.8	78.5	5.03
370	101.6	89.3	74.6	4.47
371	105.3	90.8	72.5	3.70
372	49.2	92.3	86.0	2.59
373	53.0	93.8	87.6	2.13
374	64.2	92.3	86.6	4.39
375	67.9	93.8	88.2	3.66
376	71.7	92.3	86.8	4.83
377	79.1	92.3	86.5	4.14
378	94.1	92.3	82.4	4.11
379	97.8	93.8	80.2	4.83
380	41.7	95.2	88.7	0.98
381	45.5	96.7	90.3	2.55
382	49.2	95.2	89.0	2.54
383	53.0	96.7	90.6	2.14
384	56.7	95.2	89.3	5.84
385	71.7	95.2	89.8	3.44
386	86.6	95.2	87.9	4.50
387	101.6	95.2	78.1	3.00
388	109.1	95.2	72.4	3.61
389	41.7	98.2	91.7	0.97
390	45.5	99.7	93.3	2.63
391	56.7	98.2	92.2	3.83
392	60.4	99.7	93.8	4.32
393	64.2	98.2	92.5	3.77
394	71.7	98.2	92.7	4.70
395	75.4	99.7	93.9	4.97
396	79.1	98.2	91.9	4.40
397	82.9	99.7	92.5	4.56
398	86.6	98.2	90.5	5.24
399	90.4	99.7	89.6	4.26
400	101.6	98.2	79.9	3.54
401	41.7	101.2	94.6	1.75
402	45.5	102.6	96.2	2.62
403	49.2	101.2	94.9	2.46
404	53.0	102.6	96.5	2.13
405	64.2	101.2	95.4	4.38
406	67.9	102.6	97.0	4.70
407	75.4	102.6	96.4	5.08
408	79.1	101.2	94.4	4.63
409	82.9	102.6	95.0	4.66
410	90.4	102.6	91.3	4.60
411	94.1	101.2	87.5	2.41
412	97.8	102.6	85.5	3.04
413	49.2	104.1	97.9	2.44
414	53.0	105.6	99.5	2.09
415	56.7	104.1	98.1	4.37

416	64.2	104.1	98.4	4.31
417	67.9	105.6	100.0	4.77
418	71.7	104.1	98.4	4.93
419	75.4	105.6	99.0	5.13
420	86.6	104.1	95.1	4.51
421	90.4	105.6	93.1	2.85
422	94.1	104.1	89.3	2.52
423	97.8	105.6	87.3	3.29
424	41.7	107.1	100.5	2.75
425	53.0	108.6	102.4	2.07
426	60.4	108.6	102.7	4.63
427	79.1	107.1	99.5	4.83
428	82.9	108.6	100.1	4.93
429	86.6	107.1	96.9	4.60
430	94.1	107.1	91.1	2.66
431	41.7	110.1	103.5	2.75
432	45.5	111.5	105.1	2.68
433	60.4	111.5	105.6	4.02
434	64.2	110.1	104.3	4.47
435	71.7	110.1	103.5	4.97
436	75.4	111.5	104.1	4.78
437	79.1	110.1	102.1	4.90
438	82.9	111.5	102.5	5.10
439	86.6	110.1	98.7	2.21
440	90.4	111.5	96.7	2.49
441	94.1	110.1	93.0	2.96
442	41.7	113.0	106.4	2.70
443	45.5	114.5	108.1	2.62
444	49.2	113.0	106.7	2.36
445	53.0	114.5	108.3	1.95
446	64.2	113.0	107.2	3.56
447	67.9	114.5	108.0	3.72
448	71.7	113.0	106.0	4.23
449	75.4	114.5	106.6	4.95
450	79.1	113.0	104.6	5.06
451	82.9	114.5	104.2	4.98
452	86.6	113.0	100.5	2.05
453	90.4	114.5	98.6	2.75
454	94.1	113.0	94.8	2.81
455	38.0	117.5	110.7	1.45
456	41.7	116.0	109.4	2.60
457	49.2	116.0	109.7	2.32
458	53.0	117.5	111.3	1.89
459	56.7	116.0	109.9	4.02
460	64.2	116.0	110.0	4.41
461	67.9	117.5	110.6	3.82
462	79.1	116.0	107.1	5.30
463	82.9	117.5	106.1	2.24
464	86.6	116.0	102.3	2.29

465	90.4	117.5	100.5	2.79
466	38.0	120.4	113.7	1.29
467	41.7	118.9	112.4	2.56
468	45.5	120.4	114.0	2.60
469	56.7	118.9	112.9	3.92
470	60.4	120.4	114.5	4.54
471	71.7	118.9	111.1	3.81
472	75.4	120.4	111.7	5.07
473	82.9	120.4	107.9	1.91
474	86.6	118.9	104.2	2.58
475	41.7	121.9	115.3	2.62
476	45.5	123.4	116.9	2.59
477	56.7	121.9	115.8	4.19
478	64.2	121.9	115.1	4.93
479	67.9	123.4	115.6	4.43
480	75.4	123.4	114.2	5.20
481	79.1	121.9	111.7	4.43
482	86.6	121.9	106.1	2.78
483	94.1	121.9	100.7	1.73
484	49.2	124.9	118.5	2.26
485	71.7	124.9	116.2	4.92
486	79.1	124.9	113.5	3.23
487	86.6	124.9	108.0	2.56

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All. 3C - verifiche di stabilità in condizioni drenate e statiche allo stato di progetto

Sez. AC

Analisi di stabilità dei pendii con : BISHOP (1955)

Lat./Long.	43.882265/10.471627 °
Calcolo eseguito secondo	NTC 2018
Numero di strati	3.0
Numero dei conci	20.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	-20.4 m
Ordinata vertice sinistro inferiore yi	21.41 m
Ascissa vertice destro superiore xs	-20.4 m
Ordinata vertice destro superiore ys	120.83 m
Passo di ricerca	5.0
Numero di celle lungo x	30.0
Numero di celle lungo y	30.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:	2 - Opere ordinarie
Classe d'uso:	Classe III
Vita nominale:	50.0 [anni]
Vita di riferimento:	75.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:	B
Categoria topografica:	T1

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	45.0	0.51	2.538	0.25
S.L.D.	75.0	0.618	2.552	0.265
S.L.V.	712.0	1.491	2.384	0.294
S.L.C.	1462.0	1.883	2.383	0.304

Coefficienti sismici orizzontali e verticali

Opera: Stabilità dei pendii e Fondazioni

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]
S.L.O.	0.612	0.2	0.0125	0.0062
S.L.D.	0.7416	0.2	0.0151	0.0076
S.L.V.	1.7892	0.24	0.0438	0.0219
S.L.C.	2.2596	0.24	0.0553	0.0277

Vertici profilo

Nr	X (m)	y (m)
1	-0.02	-0.11
2	1.02	0.05
3	2.06	0.18
4	3.09	0.3
5	4.13	0.45
6	5.16	0.62
7	6.2	0.75
8	7.23	0.87
9	8.27	0.87
10	9.3	1.11
11	10.34	1.28
12	11.37	1.51
13	12.41	1.61
14	13.44	1.83
15	14.48	1.99
16	15.51	2.09
17	16.55	2.19
18	17.58	2.4
19	18.62	2.53
20	19.66	2.53
21	20.69	2.68
22	21.73	2.94
23	22.76	3.1
24	23.8	3.28
25	24.83	3.35
26	25.87	3.55
27	26.9	3.8
28	27.94	3.87
29	28.97	3.99
30	30.01	4.01
31	31.04	4.1
32	32.08	4.26
33	33.11	4.58
34	34.15	4.77

35	35.19	4.99
36	36.22	5.09
37	37.26	5.24
38	38.29	5.45
39	39.33	5.54
40	40.36	5.54
41	41.4	5.76
42	42.43	5.98
43	43.47	6.18
44	44.5	6.32
45	45.54	6.45
46	46.57	6.61
47	47.61	6.84
48	48.64	7.05
49	49.68	7.17
50	50.71	7.17
51	51.75	7.32
52	52.79	7.44
53	53.82	7.62
54	54.86	7.9
55	55.89	8.19
56	56.93	8.52
57	57.96	8.68
58	59.0	8.99
59	60.03	9.11
60	61.07	9.11
61	62.1	9.33
62	63.14	9.9
63	64.17	10.17
64	65.21	10.37
65	66.24	10.48
66	67.28	10.52
67	68.31	10.77
68	69.35	11.12
69	70.39	11.36
70	71.42	11.96
71	71.42	11.96
72	72.49	12.2
73	73.57	12.5
74	74.64	12.8
75	75.71	13.16
76	76.79	13.34
77	77.86	13.39
78	78.93	13.42
79	79.39	13.71
80	81.08	13.65
81	82.66	13.51
82	88.92	13.61

83	89.19	15.92
84	91.81	16.16
85	92.89	16.28
86	93.96	16.78
87	95.03	16.8
88	96.11	17.34
89	97.18	18.02
90	98.25	18.47
91	99.33	18.37
92	100.4	18.48
93	101.47	18.48
94	104.49	19.18
95	107.85	19.7
96	108.72	22.58
97	113.28	23.3
98	114.35	23.33
99	116.5	23.2
100	117.57	23.29
101	118.64	23.38
102	119.72	23.45
103	120.79	23.52
104	124.01	23.76
105	125.08	23.87
106	126.16	23.99
107	127.23	24.22
108	129.38	24.6
109	131.52	24.98
110	132.6	25.28
111	133.67	25.57
112	135.82	25.8
113	136.89	25.97
114	137.96	26.29
115	139.04	26.59
116	140.11	26.94
117	141.18	27.09
118	142.26	27.24
119	143.33	27.59
120	144.4	27.74
121	145.48	27.89
122	146.55	28.76
123	147.62	28.76
124	148.7	28.9
125	149.77	29.02
126	150.84	28.96
127	151.92	28.77
128	152.99	28.58
129	154.06	28.61
130	155.14	28.7

131	156.21	28.66
132	157.28	28.64
133	158.35	28.65
134	159.43	28.98
135	160.5	30.43
136	161.57	32.11
137	162.65	32.36
138	163.72	32.89
139	164.79	33.02
140	165.87	33.18
141	166.94	33.34
142	168.01	33.57

Falda

Nr.	X (m)	y (m)
1	0.38	-0.98
2	46.24	6.26
3	77.3	12.37
4	87.28	12.7
5	108.53	15.11
6	141.98	21.58
7	168.12	28.06

Vertici strato 1

N	X (m)	y (m)
1	-0.02	-3.84
2	39.61	2.03
3	71.42	11.28
4	79.68	12.62
5	81.08	13.65
6	84.35	13.55
7	87.21	13.5
8	88.86	13.7
9	89.15	15.93
10	92.89	16.28
11	93.96	16.78
12	95.03	16.8
13	106.21	19.47
14	122.09	21.64
15	157.82	28.65
16	159.43	28.98
17	161.57	32.11
18	162.65	32.36
19	163.72	32.89
20	164.26	32.96
21	166.4	33.26
22	168.01	33.57

23	168.01	33.57

Vertici strato 2

N	X (m)	y (m)
1	-0.02	-14.33
2	18.01	-6.9
3	36.18	-2.7
4	73.1	7.94
5	83.03	9.96
6	90.36	11.76
7	100.05	13.58
8	114.94	15.93
9	124.43	17.78
10	146.49	22.3
11	164.54	26.69
12	168.01	27.75

Coefficienti parziali azioni

Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

Coefficienti parziali per i parametri geotecnici del terreno

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	Si

Stratigrafia

Strato	Coesione (kN/m²)	Coesione non drenata (kN/m²)	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m³)	Peso unità di volume saturo (kN/m³)	Litologia	
1	0		21	18,5	18,5	O	
2	15		24	19	19	A	
3	140		27	21	21	B	

Muri di sostegno - Caratteristiche geometriche

N°	x (m)	y (m)	Base mensola a valle (m)	Base mensola a monte (m)	Altezza muro (m)	Spessore testa (m)	Spessore base (m)	Peso specifico (kN/m³)
1	88.94	13.53	1.2	0.3	3	0.3	0.3	24

2	159.67	28.5	1.2	0.3	3	0.3	0.3	24
3	148.24	27.23	0.3	1.2	2	0.3	0.3	24
4	108.32	19.77	1.2	0.3	3	0.3	0.3	24

Carichi distribuiti

N°	xi (m)	yi (m)	xf (m)	yf (m)	Carico esterno (kN/m²)
1	148.17	27	158.17	28.30445	100
2	81.44	13.5	88.44	12.88819	100
3	102	18.5	108	19.89341	100

Risultati analisi pendio [A2+M2+R2]

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Fs minimo individuato	0.85
Ascissa centro superficie	50.93 m
Ordinata centro superficie	29.7 m
Raggio superficie	22.46 m

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Numero di superfici esaminate....(747)

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N°	Xo	Yo	Ro	Fs
1	13.8	21.4	20.7	1.88
2	16.7	23.1	23.2	1.50
3	19.5	21.4	23.0	2.33
4	22.4	23.1	24.5	2.32
5	25.3	21.4	22.9	2.19
6	28.1	23.1	24.5	2.46
7	31.0	21.4	17.3	1.60
8	33.8	23.1	24.4	1.76
9	36.7	21.4	17.2	1.57
10	39.5	23.1	18.5	1.44
11	42.4	21.4	17.1	1.30
12	45.2	23.1	18.2	1.73
13	48.1	21.4	17.1	3.55
14	50.9	23.1	18.2	3.28
15	53.8	21.4	17.2	2.58
16	56.6	23.1	18.4	2.22
17	59.5	21.4	17.3	4.61
18	62.3	23.1	18.6	4.83
19	65.2	21.4	11.5	3.10
20	68.1	23.1	12.7	2.98
21	70.9	21.4	11.5	2.58
22	73.8	23.1	12.6	2.72
23	76.6	21.4	11.7	1.73
24	79.5	23.1	12.3	1.97
25	82.3	21.4	11.5	4.41

26	85.2	23.1	12.2	5.84
27	88.0	21.4	22.8	5.12
28	90.9	23.1	24.2	5.82
29	93.7	21.4	5.8	3.61
30	96.6	23.1	6.0	4.35
31	99.4	21.4	5.7	1.64
32	102.3	23.1	12.1	5.67
33	105.1	21.4	5.7	6.30
34	108.0	23.1	24.2	8.29
35	110.9	21.4	17.1	14.92
36	113.7	23.1	18.1	14.18
37	116.6	21.4	22.8	8.25
38	119.4	23.1	24.1	8.70
39	122.3	21.4	5.7	20.00
40	125.1	23.1	6.0	20.00
41	128.0	21.4	22.8	7.66
42	130.8	23.1	6.0	20.00
43	133.7	21.4	5.8	20.00
44	136.5	23.1	6.2	20.00
45	139.4	21.4	5.7	20.00
46	142.2	23.1	5.6	20.00
47	145.1	21.4	10.4	20.00
48	147.9	23.1	9.2	20.00
49	150.8	21.4	8.5	20.00
50	13.8	24.7	22.8	2.32
51	16.7	26.4	25.1	1.80
52	19.5	24.7	25.3	1.41
53	22.4	26.4	27.0	1.92
54	25.3	24.7	25.5	1.86
55	28.1	26.4	27.0	1.70
56	31.0	24.7	25.5	2.02
57	33.8	26.4	27.0	2.17
58	36.7	24.7	25.6	2.43
59	42.4	24.7	19.4	1.35
60	45.2	26.4	20.5	1.73
61	48.1	24.7	19.4	1.76
62	50.9	26.4	20.4	2.64
63	53.8	24.7	19.5	2.57
64	56.6	26.4	20.3	2.33
65	59.5	24.7	19.6	1.86
66	62.3	26.4	20.1	1.87
67	65.2	24.7	19.6	5.78
68	68.1	26.4	20.2	4.23
69	70.9	24.7	13.5	2.86
70	73.8	26.4	26.8	5.88
71	76.6	24.7	13.3	2.19
72	79.5	26.4	13.4	2.89
73	82.3	24.7	19.3	6.67
74	85.2	26.4	26.8	5.03

75	88.0	24.7	25.5	4.90
76	90.9	26.4	13.6	4.50
77	93.7	24.7	25.5	3.10
78	96.6	26.4	26.8	3.05
79	99.4	24.7	12.9	4.06
80	102.3	26.4	13.6	4.48
81	105.1	24.7	6.5	3.56
82	108.0	26.4	26.8	7.92
83	110.9	24.7	19.1	10.64
84	113.7	26.4	20.2	11.19
85	116.6	24.7	25.5	7.72
86	119.4	26.4	26.8	6.98
87	122.3	24.7	25.5	6.42
88	125.1	26.4	6.8	7.56
89	128.0	24.7	19.1	9.96
90	130.8	26.4	26.8	5.81
91	133.7	24.7	19.1	5.79
92	136.5	26.4	25.8	3.43
93	139.4	24.7	18.0	5.19
94	142.2	26.4	16.1	7.78
95	145.1	24.7	9.9	20.00
96	147.9	26.4	4.3	20.00
97	150.8	24.7	7.9	20.00
98	16.7	29.7	27.4	2.16
99	19.5	28.0	27.6	1.48
100	22.4	29.7	29.6	1.27
101	36.7	28.0	28.1	2.45
102	48.1	28.0	21.3	2.81
103	50.9	29.7	22.5	0.85
104	53.8	28.0	21.2	2.11
105	56.6	29.7	22.4	2.74
106	59.5	28.0	21.2	2.25
107	62.3	29.7	22.4	2.07
108	65.2	28.0	21.2	1.98
109	68.1	29.7	22.3	1.62
110	70.9	28.0	21.2	3.99
111	76.6	28.0	21.1	5.28
112	79.5	29.7	22.2	6.32
113	82.3	28.0	28.1	5.02
114	85.2	29.7	29.5	5.09
115	88.0	28.0	28.1	5.55
116	90.9	29.7	22.1	5.35
117	93.7	28.0	21.1	6.20
118	96.6	29.7	29.5	2.91
119	99.4	28.0	14.1	1.70
120	102.3	29.7	14.7	2.15
121	105.1	28.0	14.1	5.44
122	108.0	29.7	14.8	6.04
123	110.9	28.0	28.2	7.90

124	113.7	29.7	7.5	7.71
125	116.6	28.0	28.2	9.46
126	119.4	29.7	7.6	5.30
127	122.3	28.0	7.1	8.30
128	125.1	29.7	7.4	4.09
129	128.0	28.0	7.2	4.90
130	130.8	29.7	29.5	3.72
131	133.7	28.0	20.9	4.45
132	136.5	29.7	25.4	3.18
133	139.4	28.0	23.3	3.54
134	142.2	29.7	20.9	3.72
135	145.1	28.0	4.7	2.89
136	147.9	29.7	4.2	1.87
137	150.8	28.0	7.3	9.20
138	19.5	31.4	29.7	1.73
139	22.4	33.0	32.1	1.34
140	25.3	31.4	30.8	1.22
141	28.1	33.0	32.2	1.14
142	31.0	31.4	30.8	1.54
143	33.8	33.0	32.1	2.24
144	36.7	31.4	30.9	2.33
145	42.4	31.4	30.9	3.62
146	45.2	33.0	32.1	4.58
147	48.1	31.4	30.9	4.87
148	50.9	33.0	32.2	6.03
149	53.8	31.4	23.4	1.06
150	56.6	33.0	24.3	1.20
151	59.5	31.4	23.4	2.86
152	62.3	33.0	24.4	2.66
153	65.2	31.4	23.4	2.05
154	68.1	33.0	24.3	2.01
155	70.9	31.4	23.3	1.57
156	73.8	33.0	32.1	5.45
157	76.6	31.4	23.2	4.73
158	79.5	33.0	24.1	5.74
159	82.3	31.4	30.8	4.99
160	85.2	33.0	32.2	4.59
161	88.0	31.4	30.8	3.75
162	90.9	33.0	24.2	5.00
163	93.7	31.4	15.6	2.50
164	96.6	33.0	16.7	1.65
165	99.4	31.4	15.7	1.63
166	102.3	33.0	16.8	2.17
167	105.1	31.4	15.5	3.04
168	108.0	33.0	16.1	5.63
169	110.9	31.4	23.1	8.52
170	113.7	33.0	24.8	8.04
171	116.6	31.4	30.9	6.55
172	119.4	33.0	32.2	5.89

173	122.3	31.4	8.3	4.01
174	125.1	33.0	16.1	10.82
175	128.0	31.4	7.8	1.79
176	130.8	33.0	29.9	3.54
177	133.7	31.4	6.9	1.90
178	136.5	33.0	25.3	3.08
179	139.4	31.4	5.8	1.58
180	142.2	33.0	10.4	1.82
181	145.1	31.4	9.3	2.74
182	147.9	33.0	8.0	1.94
183	150.8	31.4	7.0	3.69
184	19.5	34.7	32.1	1.96
185	22.4	36.3	34.3	1.57
186	28.1	36.3	34.8	1.19
187	31.0	34.7	33.6	1.29
188	33.8	36.3	34.9	2.10
189	36.7	34.7	33.6	2.41
190	39.5	36.3	35.0	2.64
191	42.4	34.7	33.5	2.59
192	45.2	36.3	35.0	2.97
193	48.1	34.7	33.4	5.49
194	50.9	36.3	35.1	5.92
195	53.8	34.7	33.5	5.85
196	59.5	34.7	25.3	1.48
197	62.3	36.3	27.0	3.08
198	65.2	34.7	25.4	2.61
199	68.1	36.3	27.2	2.09
200	70.9	34.7	25.6	1.71
201	73.8	36.3	35.4	4.98
202	76.6	34.7	25.7	3.67
203	79.5	36.3	35.4	4.53
204	82.3	34.7	33.8	4.68
205	85.2	36.3	35.5	3.87
206	88.0	34.7	33.9	3.70
207	90.9	36.3	34.9	4.37
208	93.7	34.7	18.2	3.97
209	96.6	36.3	18.7	1.85
210	99.4	34.7	18.4	1.73
211	102.3	36.3	18.1	2.15
212	105.1	34.7	17.6	3.19
213	108.0	36.3	17.5	4.71
214	110.9	34.7	33.4	4.91
215	113.7	36.3	26.1	8.49
216	116.6	34.7	25.2	10.31
217	119.4	36.3	35.1	5.22
218	122.3	34.7	33.5	5.08
219	125.1	36.3	17.5	4.71
220	128.0	34.7	16.5	7.49
221	130.8	36.3	15.7	3.49

222	133.7	34.7	27.6	3.34
223	136.5	36.3	12.8	3.21
224	139.4	34.7	22.9	3.61
225	142.2	36.3	15.8	3.84
226	145.1	34.7	9.3	1.51
227	147.9	36.3	12.4	2.16
228	150.8	34.7	13.8	6.85
229	22.4	39.6	37.2	1.69
230	25.3	38.0	36.5	1.30
231	28.1	39.6	38.2	1.15
232	31.0	38.0	36.5	1.16
233	33.8	39.6	38.2	2.06
234	36.7	38.0	36.6	2.39
235	39.5	39.6	38.3	2.41
236	42.4	38.0	36.7	2.70
237	45.2	39.6	38.4	4.58
238	48.1	38.0	36.7	4.48
239	53.8	38.0	36.8	5.88
240	59.5	38.0	28.6	1.51
241	62.3	39.6	30.0	2.90
242	65.2	38.0	28.7	2.61
243	68.1	39.6	29.6	2.75
244	70.9	38.0	28.9	1.76
245	73.8	39.6	29.2	2.05
246	76.6	38.0	28.7	2.19
247	79.5	39.6	28.8	2.77
248	82.3	38.0	36.7	4.30
249	85.2	39.6	28.4	3.11
250	88.0	38.0	36.5	3.65
251	90.9	39.6	28.1	3.85
252	93.7	38.0	27.5	5.12
253	96.6	39.6	28.5	5.07
254	99.4	38.0	36.1	2.87
255	102.3	39.6	37.8	3.72
256	108.0	39.6	20.5	4.20
257	110.9	38.0	19.0	5.20
258	113.7	39.6	28.1	7.82
259	116.6	38.0	27.1	9.80
260	119.4	39.6	37.4	6.12
261	122.3	38.0	19.6	5.48
262	125.1	39.6	19.0	4.41
263	128.0	38.0	16.3	3.75
264	130.8	39.6	15.2	1.67
265	133.7	38.0	14.8	3.12
266	136.5	39.6	13.9	1.32
267	139.4	38.0	11.6	1.52
268	142.2	39.6	16.0	1.71
269	145.1	38.0	14.1	1.82
270	147.9	39.6	16.8	3.84

271	150.8	38.0	14.3	4.38
272	22.4	43.0	40.2	1.96
273	25.3	41.3	39.8	1.27
274	28.1	43.0	41.5	1.12
275	31.0	41.3	39.8	1.14
276	33.8	43.0	41.4	2.06
277	36.7	41.3	39.9	2.15
278	42.4	41.3	40.0	2.37
279	45.2	43.0	41.0	2.03
280	50.9	43.0	40.8	5.51
281	53.8	41.3	39.7	5.50
282	56.6	43.0	40.6	5.30
283	62.3	43.0	40.4	4.18
284	65.2	41.3	30.2	1.07
285	68.1	43.0	40.2	4.76
286	70.9	41.3	29.8	3.22
287	73.8	43.0	30.2	2.34
288	76.6	41.3	29.4	2.72
289	79.5	43.0	40.3	4.65
290	82.3	41.3	29.1	3.72
291	85.2	43.0	31.0	2.57
292	88.0	41.3	39.0	5.09
293	90.9	43.0	30.6	2.49
294	93.7	41.3	29.7	4.69
295	96.6	43.0	40.9	4.72
296	105.1	41.3	39.6	4.81
297	108.0	43.0	23.8	4.33
298	110.9	41.3	30.4	6.19
299	113.7	43.0	40.3	5.42
300	116.6	41.3	20.4	6.98
301	119.4	43.0	20.9	4.42
302	122.3	41.3	18.6	2.81
303	125.1	43.0	35.1	4.41
304	128.0	41.3	18.1	1.77
305	139.4	41.3	18.6	1.77
306	25.3	44.6	42.4	1.40
307	28.1	46.3	43.6	1.37
308	31.0	44.6	42.5	1.18
309	36.7	44.6	42.3	2.32
310	39.5	46.3	43.2	2.08
311	42.4	44.6	42.1	2.36
312	45.2	46.3	43.0	2.40
313	50.9	46.3	42.8	1.77
314	56.6	46.3	42.8	3.92
315	62.3	46.3	43.0	4.28
316	65.2	44.6	41.5	4.79
317	70.9	44.6	41.7	5.00
318	73.8	46.3	33.5	3.45
319	76.6	44.6	32.0	3.02

320	82.3	44.6	42.1	3.62
321	85.2	46.3	34.3	2.33
322	88.0	44.6	32.8	2.74
323	90.9	46.3	43.0	5.13
324	93.7	44.6	41.6	5.56
325	96.6	46.3	43.5	4.39
326	99.4	44.6	42.7	2.73
327	102.3	46.3	44.4	2.68
328	105.1	44.6	42.9	4.04
329	108.0	46.3	35.0	6.32
330	110.9	44.6	32.8	6.24
331	113.7	46.3	43.1	4.91
332	116.6	44.6	31.5	8.01
333	119.4	46.3	40.9	4.66
334	122.3	44.6	38.0	6.11
335	125.1	46.3	27.6	3.74
336	128.0	44.6	25.0	3.51
337	130.8	46.3	23.6	3.29
338	136.5	46.3	27.7	4.27
339	139.4	44.6	24.6	4.07
340	147.9	46.3	19.5	2.64
341	28.1	49.6	45.6	1.83
342	33.8	49.6	45.4	1.43
343	36.7	47.9	44.3	1.29
344	42.4	47.9	44.1	2.34
345	45.2	49.6	45.7	2.70
346	48.1	47.9	44.2	2.35
347	50.9	49.6	45.9	1.79
348	53.8	47.9	44.4	4.00
349	56.6	49.6	46.1	3.97
350	65.2	47.9	44.8	4.59
351	68.1	49.6	46.5	4.32
352	70.9	47.9	45.0	4.22
353	73.8	49.6	46.7	4.16
354	76.6	47.9	35.3	3.13
355	79.5	49.6	46.9	4.49
356	82.3	47.9	35.7	3.16
357	85.2	49.6	46.9	4.56
358	88.0	47.9	45.0	4.80
359	90.9	49.6	45.8	4.81
360	93.7	47.9	44.2	5.38
361	96.6	49.6	46.1	4.45
362	99.4	47.9	45.3	2.78
363	105.1	47.9	46.2	3.41
364	108.0	49.6	37.4	6.64
365	110.9	47.9	25.2	3.62
366	113.7	49.6	35.2	8.25
367	116.6	47.9	32.1	10.45
368	119.4	49.6	41.4	5.08

369	122.3	47.9	39.3	4.64
370	125.1	49.6	29.4	3.96
371	128.0	47.9	26.3	3.38
372	130.8	49.6	25.1	1.52
373	133.7	47.9	22.4	1.36
374	136.5	49.6	28.3	1.89
375	139.4	47.9	26.2	1.88
376	142.2	49.6	24.8	1.86
377	145.1	47.9	21.7	1.93
378	31.0	51.2	46.9	2.00
379	33.8	52.9	48.6	1.44
380	36.7	51.2	47.1	1.35
381	39.5	52.9	48.8	1.24
382	42.4	51.2	47.3	2.59
383	45.2	52.9	49.0	2.25
384	48.1	51.2	47.5	2.00
385	50.9	52.9	49.2	1.84
386	53.8	51.2	47.7	4.00
387	56.6	52.9	49.4	3.89
388	62.3	52.9	49.6	4.46
389	65.2	51.2	48.1	4.61
390	73.8	52.9	40.1	4.52
391	76.6	51.2	38.6	3.27
392	82.3	51.2	39.0	2.65
393	90.9	52.9	48.5	4.31
394	93.7	51.2	35.2	1.77
395	96.6	52.9	37.3	2.12
396	102.3	52.9	49.8	2.79
397	108.0	52.9	39.8	6.35
398	110.9	51.2	47.9	4.54
399	113.7	52.9	36.2	5.51
400	116.6	51.2	43.7	5.12
401	119.4	52.9	42.1	4.94
402	122.3	51.2	31.3	4.23
403	125.1	52.9	31.0	3.56
404	128.0	51.2	28.2	3.01
405	130.8	52.9	34.5	2.98
406	133.7	51.2	31.3	2.84
407	136.5	52.9	30.0	1.91
408	139.4	51.2	26.9	1.78
409	31.0	54.6	50.2	1.96
410	33.8	56.2	51.9	1.42
411	36.7	54.6	50.4	1.29
412	39.5	56.2	52.1	2.13
413	42.4	54.6	50.6	2.49
414	45.2	56.2	52.3	2.09
415	48.1	54.6	50.8	2.08
416	50.9	56.2	52.5	2.64
417	59.5	54.6	51.2	5.40

418	62.3	56.2	52.9	4.56
419	65.2	54.6	51.4	4.60
420	68.1	56.2	53.1	3.86
421	70.9	54.6	51.6	3.88
422	73.8	56.2	43.3	4.33
423	76.6	54.6	41.9	3.50
424	79.5	56.2	53.5	4.32
425	82.3	54.6	51.6	4.23
426	85.2	56.2	52.4	4.58
427	88.0	54.6	50.4	4.69
428	90.9	56.2	39.1	1.55
429	93.7	54.6	37.1	1.91
430	96.6	56.2	39.1	2.08
431	99.4	54.6	39.3	2.35
432	102.3	56.2	41.4	2.64
433	105.1	54.6	41.6	5.77
434	108.0	56.2	52.7	4.07
435	110.9	54.6	50.2	5.01
436	116.6	54.6	44.8	5.76
437	119.4	56.2	43.0	5.97
438	122.3	54.6	31.7	2.18
439	128.0	54.6	30.3	1.55
440	130.8	56.2	36.4	2.50
441	133.7	54.6	33.2	1.93
442	136.5	56.2	32.0	1.82
443	31.0	57.9	53.5	1.91
444	33.8	59.5	55.2	1.41
445	36.7	57.9	53.7	1.35
446	39.5	59.5	55.4	2.08
447	42.4	57.9	53.9	2.67
448	45.2	59.5	55.6	2.26
449	50.9	59.5	55.8	3.24
450	53.8	57.9	54.3	3.63
451	59.5	57.9	54.5	5.55
452	73.8	59.5	46.6	3.99
453	76.6	57.9	45.2	3.64
454	79.5	59.5	56.2	3.78
455	85.2	59.5	55.1	4.58
456	88.0	57.9	41.3	1.22
457	90.9	59.5	54.0	5.32
458	93.7	57.9	52.0	4.62
459	96.6	59.5	53.8	3.21
460	99.4	57.9	41.2	2.50
461	102.3	59.5	43.2	2.95
462	105.1	57.9	54.2	3.35
463	108.0	59.5	43.8	3.49
464	110.9	57.9	51.3	4.22
465	116.6	57.9	46.1	5.19
466	122.3	57.9	42.0	4.76

467	130.8	59.5	38.4	2.04
468	31.0	61.2	56.8	1.87
469	39.5	62.8	58.7	2.05
470	42.4	61.2	57.2	2.43
471	45.2	62.8	58.9	2.23
472	48.1	61.2	57.4	1.88
473	65.2	61.2	58.0	4.18
474	68.1	62.8	59.7	3.78
475	70.9	61.2	58.2	3.95
476	73.8	62.8	59.9	4.23
477	76.6	61.2	48.0	5.21
478	79.5	62.8	58.9	3.85
479	85.2	62.8	57.8	4.57
480	88.0	61.2	55.9	4.72
481	90.9	62.8	56.7	4.83
482	96.6	62.8	56.4	3.28
483	99.4	61.2	43.0	2.61
484	102.3	62.8	45.1	3.24
485	105.1	61.2	45.3	3.29
486	108.0	62.8	45.0	4.51
487	113.7	62.8	39.8	14.76
488	33.8	66.1	61.9	1.39
489	36.7	64.5	60.3	1.27
490	42.4	64.5	60.5	2.77
491	45.2	66.1	62.3	1.95
492	53.8	64.5	60.9	4.92
493	56.6	66.1	62.6	5.28
494	59.5	64.5	61.1	5.38
495	62.3	66.1	62.8	5.15
496	68.1	66.1	63.0	3.93
497	70.9	64.5	61.5	4.59
498	73.8	66.1	62.8	3.91
499	79.5	66.1	61.7	4.51
500	82.3	64.5	59.7	3.78
501	90.9	66.1	59.4	4.91
502	96.6	66.1	58.9	3.43
503	99.4	64.5	58.2	3.21
504	105.1	64.5	46.2	4.10
505	31.0	67.8	63.2	2.11
506	33.8	69.5	65.2	1.40
507	39.5	69.5	65.4	2.48
508	42.4	67.8	63.8	2.26
509	45.2	69.5	65.6	1.93
510	48.1	67.8	64.0	1.79
511	50.9	69.5	65.8	3.84
512	56.6	69.5	66.0	5.49
513	59.5	67.8	64.4	5.46
514	62.3	69.5	66.2	4.70
515	68.1	69.5	66.3	3.88

516	73.8	69.5	65.5	4.04
517	76.6	67.8	63.6	4.43
518	85.2	69.5	63.3	4.72
519	88.0	67.8	61.3	4.61
520	90.9	69.5	62.1	4.43
521	93.7	67.8	60.2	4.74
522	96.6	69.5	61.5	3.60
523	99.4	67.8	60.8	3.40
524	108.0	69.5	47.0	3.18
525	122.3	67.8	45.7	3.58
526	125.1	69.5	45.2	1.53
527	128.0	67.8	43.2	1.46
528	31.0	71.1	66.3	2.13
529	33.8	72.8	68.5	1.38
530	36.7	71.1	66.9	1.38
531	39.5	72.8	68.7	2.51
532	42.4	71.1	67.1	2.14
533	45.2	72.8	68.9	1.87
534	48.1	71.1	67.3	1.75
535	50.9	72.8	69.1	3.99
536	56.6	72.8	69.3	5.51
537	59.5	71.1	67.7	5.32
538	65.2	71.1	67.9	4.30
539	68.1	72.8	69.4	3.88
540	70.9	71.1	67.5	4.09
541	76.6	71.1	66.3	4.10
542	79.5	72.8	67.1	4.34
543	82.3	71.1	65.2	4.64
544	85.2	72.8	66.0	4.86
545	88.0	71.1	64.1	4.68
546	96.6	72.8	64.1	3.79
547	99.4	71.1	63.3	4.09
548	102.3	72.8	62.5	4.98
549	113.7	72.8	55.5	4.13
550	119.4	72.8	50.8	3.30
551	122.3	71.1	47.6	1.73
552	33.8	76.1	71.8	1.36
553	36.7	74.4	70.2	1.18
554	39.5	76.1	72.0	2.52
555	42.4	74.4	70.4	2.23
556	45.2	76.1	72.2	1.88
557	48.1	74.4	70.6	1.65
558	50.9	76.1	72.4	3.99
559	53.8	74.4	70.8	4.56
560	56.6	76.1	72.6	5.41
561	59.5	74.4	71.0	5.28
562	65.2	74.4	71.2	4.23
563	70.9	74.4	70.2	4.34
564	73.8	76.1	71.0	4.42

565	76.6	74.4	69.1	4.19
566	79.5	76.1	69.8	4.01
567	82.3	74.4	67.9	4.77
568	88.0	74.4	66.8	5.09
569	90.9	76.1	67.6	4.67
570	93.7	74.4	65.6	3.83
571	96.6	76.1	66.6	4.65
572	99.4	74.4	64.6	4.98
573	108.0	76.1	61.2	5.83
574	113.7	76.1	57.3	3.80
575	119.4	76.1	52.7	1.96
576	36.7	77.7	73.5	1.14
577	39.5	79.4	75.3	2.60
578	42.4	77.7	73.7	2.17
579	45.2	79.4	75.5	1.78
580	48.1	77.7	73.9	1.56
581	59.5	77.7	74.3	4.85
582	65.2	77.7	74.0	4.61
583	68.1	79.4	74.8	3.70
584	70.9	77.7	72.9	3.24
585	73.8	79.4	73.7	4.51
586	76.6	77.7	71.8	4.23
587	79.5	79.4	72.6	4.64
588	82.3	77.7	70.6	4.80
589	85.2	79.4	71.4	4.96
590	88.0	77.7	69.5	4.54
591	93.7	77.7	68.4	4.00
592	96.6	79.4	67.9	6.03
593	105.1	77.7	63.2	5.36
594	108.0	79.4	62.7	3.46
595	110.9	77.7	60.6	3.75
596	116.6	77.7	56.0	2.77
597	33.8	82.7	78.1	1.41
598	36.7	81.1	76.8	1.99
599	39.5	82.7	78.6	2.31
600	42.4	81.1	77.0	1.99
601	48.1	81.1	77.2	3.83
602	62.3	82.7	78.7	4.59
603	68.1	82.7	77.6	4.33
604	70.9	81.1	75.6	3.31
605	76.6	81.1	74.5	4.43
606	79.5	82.7	75.3	4.69
607	82.3	81.1	73.4	4.96
608	85.2	82.7	74.2	5.13
609	88.0	81.1	72.2	4.77
610	90.9	82.7	73.0	4.15
611	93.7	81.1	71.1	4.27
612	102.3	82.7	66.8	3.00
613	105.1	81.1	64.7	3.24

614	108.0	82.7	64.3	4.35
615	110.9	81.1	62.3	4.12
616	116.6	81.1	57.9	4.42
617	36.7	84.4	80.1	2.48
618	42.4	84.4	80.3	1.98
619	56.6	86.0	82.5	4.31
620	62.3	86.0	81.4	3.74
621	65.2	84.4	79.5	4.05
622	70.9	84.4	78.4	4.60
623	73.8	86.0	79.2	3.01
624	76.6	84.4	77.2	4.70
625	79.5	86.0	78.0	4.83
626	82.3	84.4	76.1	5.17
627	85.2	86.0	76.9	4.65
628	88.0	84.4	75.0	4.87
629	90.9	86.0	75.8	4.44
630	93.7	84.4	72.6	5.18
631	99.4	84.4	68.8	2.72
632	48.1	87.7	83.8	3.25
633	50.9	89.3	85.6	4.61
634	53.8	87.7	84.0	4.60
635	56.6	89.3	85.3	5.09
636	65.2	87.7	82.2	4.07
637	68.1	89.3	83.0	3.93
638	73.8	89.3	81.9	4.27
639	76.6	87.7	80.0	4.46
640	82.3	87.7	78.8	5.20
641	85.2	89.3	79.6	4.84
642	88.0	87.7	77.7	4.93
643	96.6	89.3	72.7	2.89
644	99.4	87.7	70.3	3.25
645	33.8	92.7	87.5	1.61
646	42.4	91.0	86.9	1.96
647	45.2	92.7	88.7	1.86
648	50.9	92.7	88.9	4.59
649	53.8	91.0	87.2	5.25
650	62.3	92.7	86.9	4.07
651	68.1	92.7	85.7	3.14
652	70.9	91.0	83.8	3.92
653	76.6	91.0	82.7	4.71
654	79.5	92.7	83.5	4.11
655	82.3	91.0	81.5	3.35
656	85.2	92.7	82.3	5.08
657	88.0	91.0	80.4	4.61
658	96.6	92.7	74.4	2.87
659	36.7	94.3	89.9	2.89
660	39.5	96.0	91.8	2.06
661	42.4	94.3	90.2	1.86
662	45.2	96.0	92.0	1.83

663	53.8	94.3	89.9	3.74
664	56.6	96.0	90.7	4.03
665	62.3	96.0	89.6	4.70
666	70.9	94.3	86.5	3.29
667	73.8	96.0	87.3	4.50
668	76.6	94.3	85.4	4.89
669	79.5	96.0	86.2	4.38
670	82.3	94.3	84.3	3.58
671	85.2	96.0	85.1	2.31
672	88.0	94.3	82.3	3.15
673	39.5	99.3	95.1	2.03
674	42.4	97.6	93.5	1.96
675	45.2	99.3	95.3	1.74
676	50.9	99.3	94.6	2.55
677	53.8	97.6	92.7	3.46
678	56.6	99.3	93.5	4.59
679	65.2	97.6	90.4	3.47
680	68.1	99.3	91.2	3.60
681	73.8	99.3	90.1	4.55
682	76.6	97.6	88.1	3.38
683	79.5	99.3	88.9	3.44
684	82.3	97.6	87.0	4.04
685	90.9	99.3	82.6	2.62
686	36.7	100.9	96.2	2.63
687	39.5	102.6	98.4	2.11
688	42.4	100.9	96.8	1.99
689	45.2	102.6	98.5	1.61
690	50.9	102.6	97.3	2.53
691	65.2	100.9	93.1	3.82
692	68.1	102.6	93.9	2.68
693	73.8	102.6	92.8	3.10
694	76.6	100.9	90.9	3.50
695	79.5	102.6	91.7	3.37
696	82.3	100.9	89.7	4.07
697	36.7	104.3	99.4	2.62
698	39.5	105.9	101.7	2.07
699	42.4	104.3	100.1	1.95
700	45.2	105.9	101.2	1.72
701	53.8	104.3	98.1	1.88
702	56.6	105.9	98.9	1.85
703	68.1	105.9	96.6	1.68
704	70.9	104.3	94.7	2.21
705	73.8	105.9	95.5	1.88
706	76.6	104.3	93.6	3.22
707	79.5	105.9	94.4	2.25
708	82.3	104.3	92.2	1.86
709	88.0	104.3	87.6	2.35
710	36.7	107.6	102.5	2.44
711	45.2	109.2	103.9	1.83

712	53.8	107.6	100.8	1.93
713	56.6	109.2	101.6	2.01
714	65.2	107.6	98.6	1.79
715	68.1	109.2	99.4	1.98
716	70.9	107.6	97.4	1.78
717	73.8	109.2	98.2	1.99
718	79.5	109.2	97.1	1.90
719	36.7	110.9	105.7	2.48
720	42.4	110.9	105.8	1.92
721	48.1	110.9	104.7	1.97
722	59.5	110.9	102.4	2.00
723	65.2	110.9	101.3	2.00
724	68.1	112.5	102.1	1.83
725	73.8	112.5	101.0	2.23
726	76.6	110.9	99.0	1.88
727	36.7	114.2	108.7	2.31
728	42.4	114.2	108.6	2.25
729	45.2	115.9	109.4	2.12
730	50.9	115.9	108.2	2.19
731	68.1	115.9	104.8	2.09
732	70.9	114.2	102.9	2.04
733	76.6	114.2	101.8	1.96
734	82.3	114.2	97.7	1.89
735	36.7	117.5	111.3	1.13
736	39.5	119.2	112.7	2.66
737	45.2	119.2	112.1	2.49
738	48.1	117.5	110.2	2.33
739	53.8	117.5	109.0	2.33
740	56.6	119.2	109.8	2.58
741	73.8	119.2	106.4	5.08
742	42.4	120.8	114.0	2.61
743	48.1	120.8	112.9	2.72
744	53.8	120.8	111.7	2.67
745	59.5	120.8	110.6	2.93
746	65.2	120.8	109.5	3.48
747	70.9	120.8	108.3	4.34

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All. 3D - verifiche di stabilità in condizioni drenate e dinamiche allo stato di progetto

Sez. AC

Analisi di stabilità dei pendii con : BISHOP (1955)

Lat./Long.	43.882265/10.471627 °
Calcolo eseguito secondo	NTC 2018
Numero di strati	3.0
Numero dei conci	20.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.0
Analisi	Condizione drenata
Superficie di forma circolare	

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	-20.4 m
Ordinata vertice sinistro inferiore yi	21.41 m
Ascissa vertice destro superiore xs	-20.4 m
Ordinata vertice destro superiore ys	120.83 m
Passo di ricerca	5.0
Numero di celle lungo x	30.0
Numero di celle lungo y	30.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:	2 - Opere ordinarie
Classe d'uso:	Classe III
Vita nominale:	50.0 [anni]
Vita di riferimento:	75.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:	B
Categoria topografica:	T1

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	45.0	0.51	2.538	0.25
S.L.D.	75.0	0.618	2.552	0.265
S.L.V.	712.0	1.491	2.384	0.294
S.L.C.	1462.0	1.883	2.383	0.304

Coefficienti sismici orizzontali e verticali

Opera: Stabilità dei pendii e Fondazioni

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]
S.L.O.	0.612	0.2	0.0125	0.0062
S.L.D.	0.7416	0.2	0.0151	0.0076
S.L.V.	1.7892	0.24	0.0438	0.0219
S.L.C.	2.2596	0.24	0.0553	0.0277

Coefficiente azione sismica orizzontale 0.0438
Coefficiente azione sismica verticale 0.0219

Vertici profilo

Nr	X (m)	y (m)
1	-0.02	-0.11
2	1.02	0.05
3	2.06	0.18
4	3.09	0.3
5	4.13	0.45
6	5.16	0.62
7	6.2	0.75
8	7.23	0.87
9	8.27	0.87
10	9.3	1.11
11	10.34	1.28
12	11.37	1.51
13	12.41	1.61
14	13.44	1.83
15	14.48	1.99
16	15.51	2.09
17	16.55	2.19
18	17.58	2.4
19	18.62	2.53
20	19.66	2.53
21	20.69	2.68
22	21.73	2.94
23	22.76	3.1
24	23.8	3.28
25	24.83	3.35
26	25.87	3.55
27	26.9	3.8
28	27.94	3.87
29	28.97	3.99
30	30.01	4.01
31	31.04	4.1
32	32.08	4.26
33	33.11	4.58

34	34.15	4.77
35	35.19	4.99
36	36.22	5.09
37	37.26	5.24
38	38.29	5.45
39	39.33	5.54
40	40.36	5.54
41	41.4	5.76
42	42.43	5.98
43	43.47	6.18
44	44.5	6.32
45	45.54	6.45
46	46.57	6.61
47	47.61	6.84
48	48.64	7.05
49	49.68	7.17
50	50.71	7.17
51	51.75	7.32
52	52.79	7.44
53	53.82	7.62
54	54.86	7.9
55	55.89	8.19
56	56.93	8.52
57	57.96	8.68
58	59.0	8.99
59	60.03	9.11
60	61.07	9.11
61	62.1	9.33
62	63.14	9.9
63	64.17	10.17
64	65.21	10.37
65	66.24	10.48
66	67.28	10.52
67	68.31	10.77
68	69.35	11.12
69	70.39	11.36
70	71.42	11.96
71	71.42	11.96
72	72.49	12.2
73	73.57	12.5
74	74.64	12.8
75	75.71	13.16
76	76.79	13.34
77	77.86	13.39
78	78.93	13.42
79	79.39	13.71
80	81.08	13.65
81	82.66	13.51

82	88.92	13.61
83	89.19	15.92
84	91.81	16.16
85	92.89	16.28
86	93.96	16.78
87	95.03	16.8
88	96.11	17.34
89	97.18	18.02
90	98.25	18.47
91	99.33	18.37
92	100.4	18.48
93	101.47	18.48
94	104.49	19.18
95	107.85	19.7
96	108.72	22.58
97	113.28	23.3
98	114.35	23.33
99	116.5	23.2
100	117.57	23.29
101	118.64	23.38
102	119.72	23.45
103	120.79	23.52
104	124.01	23.76
105	125.08	23.87
106	126.16	23.99
107	127.23	24.22
108	129.38	24.6
109	131.52	24.98
110	132.6	25.28
111	133.67	25.57
112	135.82	25.8
113	136.89	25.97
114	137.96	26.29
115	139.04	26.59
116	140.11	26.94
117	141.18	27.09
118	142.26	27.24
119	143.33	27.59
120	144.4	27.74
121	145.48	27.89
122	146.55	28.76
123	147.62	28.76
124	148.7	28.9
125	149.77	29.02
126	150.84	28.96
127	151.92	28.77
128	152.99	28.58
129	154.06	28.61

130	155.14	28.7
131	156.21	28.66
132	157.28	28.64
133	158.35	28.65
134	159.43	28.98
135	160.5	30.43
136	161.57	32.11
137	162.65	32.36
138	163.72	32.89
139	164.79	33.02
140	165.87	33.18
141	166.94	33.34
142	168.01	33.57

Falda

Nr.	X (m)	y (m)
1	0.38	-0.98
2	46.24	6.26
3	77.3	12.37
4	87.28	12.7
5	108.53	15.11
6	141.98	21.58
7	168.12	28.06

Vertici strato 1

N	X (m)	y (m)
1	-0.02	-3.84
2	39.61	2.03
3	71.42	11.28
4	79.68	12.62
5	81.08	13.65
6	84.35	13.55
7	87.21	13.5
8	88.86	13.7
9	89.15	15.93
10	92.89	16.28
11	93.96	16.78
12	95.03	16.8
13	106.21	19.47
14	122.09	21.64
15	157.82	28.65
16	159.43	28.98
17	161.57	32.11
18	162.65	32.36
19	163.72	32.89
20	164.26	32.96
21	166.4	33.26

22	168.01	33.57
23	168.01	33.57

Vertici strato 2

N	X (m)	y (m)
1	-0.02	-14.33
2	18.01	-6.9
3	36.18	-2.7
4	73.1	7.94
5	83.03	9.96
6	90.36	11.76
7	100.05	13.58
8	114.94	15.93
9	124.43	17.78
10	146.49	22.3
11	164.54	26.69
12	168.01	27.75

Coefficienti parziali azioni

Sfavorevoli: Permanenti, variabili	1.0	1.0
Favorevoli: Permanenti, variabili	1.0	1.0

Coefficienti parziali per i parametri geotecnici del terreno

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	No

Stratigrafia

Strato	Coesione (kN/m²)	Coesione non drenata (kN/m²)	Angolo resistenza al taglio (°)	Peso unità di volume (kN/m³)	Peso unità di volume saturo (kN/m³)	Litologia	
1	0		21	18,5	18,5	O	
2	15		24	19	19	A	
3	140		27	21	21	B	

Muri di sostegno - Caratteristiche geometriche

N°	x (m)	y (m)	Base mensola a valle (m)	Base mensola a monte (m)	Altezza muro (m)	Spessore testa (m)	Spessore base (m)	Peso specifico (kN/m³)
1	88.94	13.53	1.2	0.3	3	0.3	0.3	24
2	159.67	28.5	1.2	0.3	3	0.3	0.3	24

3	148.24	27.23	0.3	1.2	2	0.3	0.3	24
4	108.32	19.77	1.2	0.3	3	0.3	0.3	24

Carichi distribuiti

N°	xi (m)	yi (m)	xf (m)	yf (m)	Carico esterno (kN/m²)
1	148.17	27	158.17	28.30445	100
2	81.44	13.5	88.44	12.88819	100
3	102	18.5	108	19.89341	100

Risultati analisi pendio

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Fs minimo individuato	0.88
Ascissa centro superficie	50.93 m
Ordinata centro superficie	29.7 m
Raggio superficie	22.46 m

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Numero di superfici esaminate....(747)

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N°	Xo	Yo	Ro	Fs
1	13.8	21.4	20.7	1.73
2	16.7	23.1	23.2	1.39
3	19.5	21.4	23.0	2.14
4	22.4	23.1	24.5	2.15
5	25.3	21.4	22.9	2.03
6	28.1	23.1	24.5	2.26
7	31.0	21.4	17.3	1.59
8	33.8	23.1	24.4	1.74
9	36.7	21.4	17.2	1.46
10	39.5	23.1	18.5	1.36
11	42.4	21.4	17.1	1.21
12	45.2	23.1	18.2	1.52
13	48.1	21.4	17.1	3.23
14	50.9	23.1	18.2	3.18
15	53.8	21.4	17.2	2.55
16	56.6	23.1	18.4	2.26
17	59.5	21.4	17.3	4.79
18	62.3	23.1	18.6	5.03
19	65.2	21.4	11.5	3.12
20	68.1	23.1	12.7	3.18
21	70.9	21.4	11.5	2.67
22	73.8	23.1	12.6	2.81
23	76.6	21.4	11.7	1.84
24	79.5	23.1	12.3	2.04
25	82.3	21.4	11.5	4.31
26	85.2	23.1	12.2	4.77

27	88.0	21.4	22.8	5.28
28	90.9	23.1	24.2	5.77
29	93.7	21.4	5.8	3.90
30	96.6	23.1	6.0	4.55
31	99.4	21.4	5.7	1.81
32	102.3	23.1	12.1	5.77
33	105.1	21.4	5.7	4.76
34	108.0	23.1	24.2	7.63
35	110.9	21.4	17.1	11.92
36	113.7	23.1	24.1	9.99
37	116.6	21.4	22.8	7.81
38	119.4	23.1	24.1	8.27
39	122.3	21.4	17.1	17.48
40	125.1	23.1	6.0	20.00
41	128.0	21.4	22.8	7.60
42	130.8	23.1	6.0	20.00
43	133.7	21.4	5.8	20.00
44	136.5	23.1	6.2	20.00
45	139.4	21.4	5.7	20.00
46	142.2	23.1	5.6	20.00
47	145.1	21.4	10.4	20.00
48	147.9	23.1	9.2	20.00
49	150.8	21.4	8.5	20.00
50	13.8	24.7	22.8	2.13
51	16.7	26.4	25.1	1.67
52	19.5	24.7	25.3	1.30
53	22.4	26.4	27.0	1.79
54	25.3	24.7	25.5	1.78
55	28.1	26.4	27.0	1.64
56	31.0	24.7	25.5	1.97
57	33.8	26.4	27.0	2.06
58	36.7	24.7	25.6	2.23
59	42.4	24.7	19.4	1.30
60	45.2	26.4	20.5	1.57
61	48.1	24.7	19.4	1.64
62	50.9	26.4	20.4	2.60
63	53.8	24.7	19.5	2.59
64	56.6	26.4	20.3	2.40
65	59.5	24.7	19.6	1.93
66	62.3	26.4	20.1	1.93
67	65.2	24.7	19.6	5.93
68	68.1	26.4	20.2	4.46
69	70.9	24.7	13.5	2.99
70	73.8	26.4	26.8	5.88
71	76.6	24.7	13.3	2.30
72	79.5	26.4	13.4	2.84
73	82.3	24.7	19.3	6.54
74	85.2	26.4	26.8	5.15
75	88.0	24.7	25.5	5.06

76	90.9	26.4	13.6	4.16
77	93.7	24.7	25.5	3.37
78	96.6	26.4	26.8	3.32
79	99.4	24.7	12.9	4.31
80	102.3	26.4	13.6	4.63
81	105.1	24.7	6.5	3.35
82	108.0	26.4	26.8	7.26
83	110.9	24.7	19.1	9.37
84	113.7	26.4	20.2	9.74
85	116.6	24.7	25.5	7.27
86	119.4	26.4	26.8	6.71
87	122.3	24.7	25.5	6.35
88	125.1	26.4	6.8	6.28
89	128.0	24.7	19.1	9.26
90	130.8	26.4	6.8	5.51
91	133.7	24.7	19.1	6.16
92	136.5	26.4	25.8	3.76
93	139.4	24.7	18.0	5.43
94	142.2	26.4	16.1	7.54
95	145.1	24.7	9.9	20.00
96	147.9	26.4	4.3	20.00
97	150.8	24.7	7.9	20.00
98	16.7	29.7	27.4	2.02
99	19.5	28.0	27.6	1.36
100	22.4	29.7	29.6	1.19
101	36.7	28.0	28.1	2.26
102	48.1	28.0	21.3	2.35
103	50.9	29.7	22.5	0.88
104	53.8	28.0	21.2	2.17
105	56.6	29.7	22.4	2.79
106	59.5	28.0	21.2	2.31
107	62.3	29.7	22.4	2.12
108	65.2	28.0	21.2	2.03
109	68.1	29.7	22.3	1.69
110	70.9	28.0	21.2	4.22
111	76.6	28.0	21.1	5.40
112	79.5	29.7	22.2	6.34
113	82.3	28.0	28.1	5.13
114	85.2	29.7	29.5	5.08
115	88.0	28.0	28.1	5.48
116	90.9	29.7	22.1	5.45
117	93.7	28.0	21.1	6.13
118	96.6	29.7	29.5	3.16
119	99.4	28.0	14.1	1.82
120	102.3	29.7	14.7	2.23
121	105.1	28.0	14.1	5.31
122	108.0	29.7	14.8	5.32
123	110.9	28.0	28.2	7.16
124	113.7	29.7	7.5	4.64

125	116.6	28.0	7.2	7.34
126	119.4	29.7	7.6	3.83
127	122.3	28.0	7.1	6.53
128	125.1	29.7	7.4	3.71
129	128.0	28.0	7.2	4.56
130	130.8	29.7	29.5	3.97
131	133.7	28.0	7.0	4.58
132	136.5	29.7	25.4	3.48
133	139.4	28.0	23.3	3.88
134	142.2	29.7	5.2	3.95
135	145.1	28.0	4.7	3.03
136	147.9	29.7	4.2	1.99
137	150.8	28.0	7.3	8.52
138	19.5	31.4	29.7	1.60
139	22.4	33.0	32.1	1.25
140	25.3	31.4	30.8	1.15
141	28.1	33.0	32.2	1.09
142	31.0	31.4	30.8	1.49
143	33.8	33.0	32.1	2.10
144	36.7	31.4	30.9	2.17
145	42.4	31.4	30.9	3.12
146	45.2	33.0	32.1	4.38
147	48.1	31.4	30.9	4.77
148	50.9	33.0	32.2	5.94
149	53.8	31.4	23.4	1.05
150	56.6	33.0	24.3	1.23
151	59.5	31.4	23.4	2.93
152	62.3	33.0	24.4	2.77
153	65.2	31.4	23.4	2.12
154	68.1	33.0	24.3	2.09
155	70.9	31.4	23.3	1.65
156	73.8	33.0	32.1	5.52
157	76.6	31.4	23.2	4.86
158	79.5	33.0	24.1	5.75
159	82.3	31.4	30.8	5.01
160	85.2	33.0	32.2	4.73
161	88.0	31.4	30.8	3.98
162	90.9	33.0	24.2	5.08
163	93.7	31.4	15.6	2.71
164	96.6	33.0	16.7	1.80
165	99.4	31.4	15.7	1.75
166	102.3	33.0	16.8	2.24
167	105.1	31.4	15.5	2.95
168	108.0	33.0	16.1	4.67
169	110.9	31.4	15.5	7.56
170	113.7	33.0	24.8	7.57
171	116.6	31.4	30.9	6.26
172	119.4	33.0	32.2	5.74
173	122.3	31.4	8.3	3.17

174	125.1	33.0	16.1	9.47
175	128.0	31.4	7.8	1.76
176	130.8	33.0	29.9	3.77
177	133.7	31.4	6.9	1.85
178	136.5	33.0	25.3	3.36
179	139.4	31.4	5.8	1.59
180	142.2	33.0	10.4	1.96
181	145.1	31.4	9.3	2.91
182	147.9	33.0	8.0	2.03
183	150.8	31.4	7.0	3.49
184	19.5	34.7	32.1	1.87
185	22.4	36.3	34.3	1.46
186	28.1	36.3	34.8	1.13
187	31.0	34.7	33.6	1.25
188	33.8	36.3	34.9	1.96
189	36.7	34.7	33.6	2.24
190	39.5	36.3	35.0	2.45
191	42.4	34.7	33.5	2.40
192	45.2	36.3	35.0	2.92
193	48.1	34.7	33.4	5.37
194	50.9	36.3	35.1	5.88
195	53.8	34.7	33.5	5.85
196	59.5	34.7	25.3	1.49
197	62.3	36.3	27.0	3.22
198	65.2	34.7	25.4	2.70
199	68.1	36.3	27.2	2.18
200	70.9	34.7	25.6	1.80
201	73.8	36.3	35.4	5.11
202	76.6	34.7	25.7	3.75
203	79.5	36.3	35.4	4.71
204	82.3	34.7	33.8	4.81
205	85.2	36.3	35.5	4.07
206	88.0	34.7	33.9	3.91
207	90.9	36.3	34.9	4.48
208	93.7	34.7	18.2	4.22
209	96.6	36.3	18.7	1.96
210	99.4	34.7	18.4	1.84
211	102.3	36.3	18.1	2.19
212	105.1	34.7	17.6	3.06
213	108.0	36.3	17.5	4.11
214	110.9	34.7	33.4	4.94
215	113.7	36.3	26.1	7.92
216	116.6	34.7	25.2	9.19
217	119.4	36.3	35.1	5.17
218	122.3	34.7	33.5	5.07
219	125.1	36.3	17.5	4.25
220	128.0	34.7	16.5	6.97
221	130.8	36.3	15.7	3.39
222	133.7	34.7	14.1	3.35

223	136.5	36.3	12.8	3.21
224	139.4	34.7	22.9	3.90
225	142.2	36.3	15.8	4.06
226	145.1	34.7	9.3	1.63
227	147.9	36.3	12.4	2.22
228	150.8	34.7	13.8	6.55
229	22.4	39.6	37.2	1.58
230	25.3	38.0	36.5	1.22
231	28.1	39.6	38.2	1.10
232	31.0	38.0	36.5	1.09
233	33.8	39.6	38.2	1.96
234	36.7	38.0	36.6	2.23
235	39.5	39.6	38.3	2.25
236	42.4	38.0	36.7	2.50
237	45.2	39.6	38.4	4.38
238	48.1	38.0	36.7	4.42
239	53.8	38.0	36.8	5.88
240	59.5	38.0	28.6	1.50
241	62.3	39.6	30.0	3.03
242	65.2	38.0	28.7	2.69
243	68.1	39.6	29.6	2.85
244	70.9	38.0	28.9	1.84
245	73.8	39.6	29.2	2.12
246	76.6	38.0	28.7	2.21
247	79.5	39.6	28.8	2.75
248	82.3	38.0	36.7	4.40
249	85.2	39.6	28.4	3.12
250	88.0	38.0	36.5	3.86
251	90.9	39.6	28.1	3.92
252	93.7	38.0	27.5	5.12
253	96.6	39.6	28.5	5.16
254	99.4	38.0	36.1	3.10
255	102.3	39.6	37.8	3.86
256	108.0	39.6	20.5	3.77
257	110.9	38.0	19.0	4.46
258	113.7	39.6	28.1	7.20
259	116.6	38.0	27.1	8.79
260	119.4	39.6	18.8	5.55
261	122.3	38.0	19.6	4.71
262	125.1	39.6	19.0	4.08
263	128.0	38.0	16.3	3.61
264	130.8	39.6	15.2	1.65
265	133.7	38.0	14.8	3.11
266	136.5	39.6	13.9	1.35
267	139.4	38.0	11.6	1.52
268	142.2	39.6	16.0	1.82
269	145.1	38.0	14.1	1.92
270	147.9	39.6	16.8	3.87
271	150.8	38.0	14.3	4.10

272	22.4	43.0	40.2	1.82
273	25.3	41.3	39.8	1.19
274	28.1	43.0	41.5	1.07
275	31.0	41.3	39.8	1.07
276	33.8	43.0	41.4	1.92
277	36.7	41.3	39.9	2.05
278	42.4	41.3	40.0	2.23
279	45.2	43.0	41.0	1.98
280	50.9	43.0	40.8	5.51
281	53.8	41.3	39.7	5.52
282	56.6	43.0	40.6	5.42
283	62.3	43.0	40.4	4.31
284	65.2	41.3	30.2	1.13
285	68.1	43.0	40.2	4.90
286	70.9	41.3	29.8	3.24
287	73.8	43.0	30.2	2.15
288	76.6	41.3	29.4	2.71
289	79.5	43.0	40.3	4.84
290	82.3	41.3	29.1	3.51
291	85.2	43.0	31.0	2.58
292	88.0	41.3	39.0	5.04
293	90.9	43.0	30.6	2.56
294	93.7	41.3	29.7	4.78
295	96.6	43.0	40.9	4.74
296	105.1	41.3	39.6	4.76
297	108.0	43.0	23.8	3.88
298	110.9	41.3	30.4	5.95
299	113.7	43.0	20.7	3.84
300	116.6	41.3	20.4	5.16
301	119.4	43.0	20.9	3.38
302	122.3	41.3	18.6	2.48
303	125.1	43.0	35.1	4.52
304	128.0	41.3	18.1	1.73
305	139.4	41.3	18.6	1.88
306	25.3	44.6	42.4	1.31
307	28.1	46.3	43.6	1.28
308	31.0	44.6	42.5	1.12
309	36.7	44.6	42.3	2.15
310	39.5	46.3	43.2	1.95
311	42.4	44.6	42.1	2.27
312	45.2	46.3	43.0	2.35
313	50.9	46.3	42.8	1.78
314	56.6	46.3	42.8	4.02
315	62.3	46.3	43.0	4.50
316	65.2	44.6	41.5	4.96
317	70.9	44.6	41.7	5.13
318	73.8	46.3	33.5	3.11
319	76.6	44.6	32.0	2.91
320	82.3	44.6	32.4	3.46

321	85.2	46.3	34.3	2.37
322	88.0	44.6	32.8	2.82
323	90.9	46.3	43.0	5.07
324	93.7	44.6	41.6	5.50
325	96.6	46.3	43.5	4.41
326	99.4	44.6	42.7	2.95
327	102.3	46.3	44.4	2.90
328	105.1	44.6	42.9	4.10
329	108.0	46.3	35.0	6.10
330	110.9	44.6	32.8	6.02
331	113.7	46.3	43.1	4.87
332	116.6	44.6	31.5	7.21
333	119.4	46.3	40.9	4.69
334	122.3	44.6	38.0	5.85
335	125.1	46.3	27.6	3.54
336	128.0	44.6	25.0	3.39
337	130.8	46.3	23.6	3.27
338	136.5	46.3	27.7	4.50
339	139.4	44.6	24.6	4.26
340	147.9	46.3	19.5	2.53
341	28.1	49.6	45.6	1.77
342	33.8	49.6	45.4	1.36
343	36.7	47.9	44.3	1.20
344	42.4	47.9	44.1	2.24
345	45.2	49.6	45.7	2.61
346	48.1	47.9	44.2	2.33
347	50.9	49.6	45.9	1.80
348	53.8	47.9	44.4	4.02
349	56.6	49.6	46.1	4.08
350	65.2	47.9	44.8	4.77
351	68.1	49.6	46.5	4.47
352	70.9	47.9	45.0	4.37
353	73.8	49.6	36.8	4.14
354	76.6	47.9	35.3	2.99
355	79.5	49.6	46.9	4.61
356	82.3	47.9	35.7	3.08
357	85.2	49.6	46.9	4.60
358	88.0	47.9	45.0	4.79
359	90.9	49.6	45.8	4.78
360	93.7	47.9	44.2	5.29
361	96.6	49.6	46.1	4.48
362	99.4	47.9	45.3	2.99
363	105.1	47.9	46.2	3.56
364	108.0	49.6	37.4	6.37
365	110.9	47.9	25.2	2.93
366	113.7	49.6	35.2	7.48
367	116.6	47.9	32.1	8.71
368	119.4	49.6	41.4	5.07
369	122.3	47.9	39.3	4.69

370	125.1	49.6	29.4	3.74
371	128.0	47.9	26.3	3.30
372	130.8	49.6	25.1	1.52
373	133.7	47.9	22.4	1.39
374	136.5	49.6	28.3	1.98
375	139.4	47.9	26.2	1.97
376	142.2	49.6	24.8	1.94
377	145.1	47.9	21.7	1.97
378	31.0	51.2	46.9	1.88
379	33.8	52.9	48.6	1.36
380	36.7	51.2	47.1	1.25
381	39.5	52.9	48.8	1.17
382	42.4	51.2	47.3	2.48
383	45.2	52.9	49.0	2.22
384	48.1	51.2	47.5	2.01
385	50.9	52.9	49.2	1.86
386	53.8	51.2	47.7	4.06
387	56.6	52.9	49.4	4.00
388	62.3	52.9	49.6	4.56
389	65.2	51.2	48.1	4.79
390	73.8	52.9	40.1	4.02
391	76.6	51.2	38.6	3.08
392	82.3	51.2	39.0	2.66
393	90.9	52.9	48.5	4.41
394	93.7	51.2	35.2	1.89
395	96.6	52.9	37.3	2.20
396	102.3	52.9	49.8	2.99
397	108.0	52.9	39.8	6.13
398	110.9	51.2	47.9	4.59
399	113.7	52.9	36.2	4.61
400	116.6	51.2	43.7	5.10
401	119.4	52.9	32.0	4.60
402	122.3	51.2	31.3	3.88
403	125.1	52.9	31.0	3.42
404	128.0	51.2	28.2	2.98
405	130.8	52.9	34.5	3.12
406	133.7	51.2	31.3	2.98
407	136.5	52.9	30.0	2.00
408	139.4	51.2	26.9	1.87
409	31.0	54.6	50.2	1.84
410	33.8	56.2	51.9	1.34
411	36.7	54.6	50.4	1.21
412	39.5	56.2	52.1	1.96
413	42.4	54.6	50.6	2.42
414	45.2	56.2	52.3	2.07
415	48.1	54.6	50.8	2.09
416	50.9	56.2	52.5	2.67
417	59.5	54.6	51.2	5.56
418	62.3	56.2	52.9	4.66

419	65.2	54.6	51.4	4.77
420	68.1	56.2	53.1	4.03
421	70.9	54.6	51.6	4.03
422	73.8	56.2	43.3	3.96
423	76.6	54.6	41.9	3.26
424	79.5	56.2	53.5	4.44
425	82.3	54.6	51.6	4.32
426	85.2	56.2	52.4	4.63
427	88.0	54.6	50.4	4.70
428	90.9	56.2	39.1	1.54
429	93.7	54.6	37.1	1.98
430	96.6	56.2	39.1	2.15
431	99.4	54.6	39.3	2.38
432	102.3	56.2	41.4	2.60
433	105.1	54.6	41.6	5.66
434	108.0	56.2	52.7	4.12
435	110.9	54.6	50.2	4.88
436	116.6	54.6	44.8	5.60
437	119.4	56.2	43.0	5.92
438	122.3	54.6	31.7	2.04
439	128.0	54.6	30.3	1.54
440	130.8	56.2	36.4	2.60
441	133.7	54.6	33.2	2.02
442	136.5	56.2	32.0	1.91
443	31.0	57.9	53.5	1.80
444	33.8	59.5	55.2	1.33
445	36.7	57.9	53.7	1.25
446	39.5	59.5	55.4	1.98
447	42.4	57.9	53.9	2.57
448	45.2	59.5	55.6	2.23
449	50.9	59.5	55.8	3.34
450	53.8	57.9	54.3	3.72
451	59.5	57.9	54.5	5.70
452	73.8	59.5	46.6	3.66
453	76.6	57.9	45.2	3.35
454	79.5	59.5	56.2	4.00
455	85.2	59.5	55.1	4.63
456	88.0	57.9	41.3	1.26
457	90.9	59.5	54.0	5.28
458	93.7	57.9	52.0	4.67
459	96.6	59.5	53.8	3.42
460	99.4	57.9	41.2	2.51
461	102.3	59.5	43.2	2.87
462	105.1	57.9	54.2	3.50
463	108.0	59.5	43.8	3.28
464	110.9	57.9	40.5	4.15
465	116.6	57.9	35.2	3.96
466	122.3	57.9	42.0	4.71
467	130.8	59.5	38.4	2.11

468	31.0	61.2	56.8	1.76
469	39.5	62.8	58.7	1.96
470	42.4	61.2	57.2	2.37
471	45.2	62.8	58.9	2.23
472	48.1	61.2	57.4	1.91
473	65.2	61.2	58.0	4.31
474	68.1	62.8	59.7	3.95
475	70.9	61.2	58.2	4.12
476	73.8	62.8	49.9	3.97
477	76.6	61.2	48.0	4.43
478	79.5	62.8	58.9	4.08
479	85.2	62.8	57.8	4.62
480	88.0	61.2	55.9	4.72
481	90.9	62.8	56.7	4.83
482	96.6	62.8	56.4	3.49
483	99.4	61.2	43.0	2.57
484	102.3	62.8	45.1	3.09
485	105.1	61.2	45.3	3.14
486	108.0	62.8	45.0	3.99
487	113.7	62.8	39.8	5.90
488	33.8	66.1	61.9	1.31
489	36.7	64.5	60.3	1.20
490	42.4	64.5	60.5	2.69
491	45.2	66.1	62.3	1.95
492	53.8	64.5	60.9	5.13
493	56.6	66.1	62.6	5.42
494	59.5	64.5	61.1	5.51
495	62.3	66.1	62.8	5.30
496	68.1	66.1	63.0	4.08
497	70.9	64.5	61.5	4.78
498	73.8	66.1	62.8	4.12
499	79.5	66.1	61.7	4.63
500	82.3	64.5	59.7	4.00
501	90.9	66.1	59.4	4.91
502	96.6	66.1	58.9	3.64
503	99.4	64.5	58.2	3.41
504	105.1	64.5	46.2	3.69
505	31.0	67.8	63.2	1.98
506	33.8	69.5	65.2	1.31
507	39.5	69.5	65.4	2.42
508	42.4	67.8	63.8	2.23
509	45.2	69.5	65.6	1.93
510	48.1	67.8	64.0	1.79
511	50.9	69.5	65.8	3.96
512	56.6	69.5	66.0	5.61
513	59.5	67.8	64.4	5.59
514	62.3	69.5	66.2	4.86
515	68.1	69.5	66.3	4.02
516	73.8	69.5	65.5	4.24

517	76.6	67.8	63.6	4.55
518	85.2	69.5	63.3	4.76
519	88.0	67.8	61.3	4.71
520	90.9	69.5	62.1	4.50
521	93.7	67.8	60.2	4.73
522	96.6	69.5	61.5	3.81
523	99.4	67.8	60.8	3.60
524	108.0	69.5	47.0	2.68
525	122.3	67.8	45.7	3.39
526	125.1	69.5	45.2	1.53
527	128.0	67.8	43.2	1.47
528	31.0	71.1	66.3	1.99
529	33.8	72.8	68.5	1.30
530	36.7	71.1	66.9	1.28
531	39.5	72.8	68.7	2.47
532	42.4	71.1	67.1	2.12
533	45.2	72.8	68.9	1.88
534	48.1	71.1	67.3	1.77
535	50.9	72.8	69.1	4.11
536	56.6	72.8	69.3	5.64
537	59.5	71.1	67.7	5.46
538	65.2	71.1	67.9	4.47
539	68.1	72.8	69.4	4.03
540	70.9	71.1	67.5	4.25
541	76.6	71.1	66.3	4.33
542	79.5	72.8	67.1	4.44
543	82.3	71.1	65.2	4.72
544	85.2	72.8	66.0	4.89
545	88.0	71.1	64.1	4.80
546	96.6	72.8	64.1	4.00
547	99.4	71.1	63.3	4.23
548	102.3	72.8	62.5	4.91
549	113.7	72.8	55.5	3.75
550	119.4	72.8	50.8	3.04
551	122.3	71.1	47.6	1.69
552	33.8	76.1	71.8	1.28
553	36.7	74.4	70.2	1.13
554	39.5	76.1	72.0	2.47
555	42.4	74.4	70.4	2.21
556	45.2	76.1	72.2	1.90
557	48.1	74.4	70.6	1.68
558	50.9	76.1	72.4	4.11
559	53.8	74.4	70.8	4.70
560	56.6	76.1	72.6	5.53
561	59.5	74.4	71.0	5.42
562	65.2	74.4	71.2	4.40
563	70.9	74.4	70.2	4.46
564	73.8	76.1	71.0	4.56
565	76.6	74.4	69.1	4.43

566	79.5	76.1	69.8	4.22
567	82.3	74.4	67.9	4.85
568	88.0	74.4	66.8	5.11
569	90.9	76.1	67.6	4.74
570	93.7	74.4	65.6	4.03
571	96.6	76.1	66.6	4.79
572	99.4	74.4	64.6	4.97
573	108.0	76.1	61.2	5.67
574	113.7	76.1	57.3	3.50
575	119.4	76.1	52.7	1.87
576	36.7	77.7	73.5	1.09
577	39.5	79.4	75.3	2.55
578	42.4	77.7	73.7	2.17
579	45.2	79.4	75.5	1.81
580	48.1	77.7	73.9	1.59
581	59.5	77.7	74.3	5.00
582	65.2	77.7	74.0	4.79
583	68.1	79.4	74.8	3.87
584	70.9	77.7	72.9	3.42
585	73.8	79.4	73.7	4.66
586	76.6	77.7	71.8	4.35
587	79.5	79.4	72.6	4.75
588	82.3	77.7	70.6	4.88
589	85.2	79.4	71.4	5.07
590	88.0	77.7	69.5	4.56
591	93.7	77.7	68.4	4.21
592	96.6	79.4	67.9	5.89
593	105.1	77.7	63.2	5.24
594	108.0	79.4	62.7	3.27
595	110.9	77.7	60.6	3.48
596	116.6	77.7	56.0	2.45
597	33.8	82.7	78.1	1.33
598	36.7	81.1	76.8	1.92
599	39.5	82.7	78.6	2.28
600	42.4	81.1	77.0	1.98
601	48.1	81.1	77.2	3.94
602	62.3	82.7	78.7	4.77
603	68.1	82.7	77.6	4.48
604	70.9	81.1	75.6	3.49
605	76.6	81.1	74.5	4.56
606	79.5	82.7	75.3	4.79
607	82.3	81.1	73.4	5.02
608	85.2	82.7	74.2	5.26
609	88.0	81.1	72.2	4.85
610	90.9	82.7	73.0	4.36
611	93.7	81.1	71.1	4.48
612	102.3	82.7	66.8	2.93
613	105.1	81.1	64.7	3.11
614	108.0	82.7	64.3	3.89

615	110.9	81.1	62.3	3.73
616	116.6	81.1	57.9	3.34
617	36.7	84.4	80.1	2.42
618	42.4	84.4	80.3	1.98
619	56.6	86.0	82.5	4.47
620	62.3	86.0	81.4	3.88
621	65.2	84.4	79.5	4.24
622	70.9	84.4	78.4	4.77
623	73.8	86.0	79.2	3.17
624	76.6	84.4	77.2	4.83
625	79.5	86.0	78.0	4.92
626	82.3	84.4	76.1	5.23
627	85.2	86.0	76.9	4.66
628	88.0	84.4	75.0	4.94
629	90.9	86.0	75.8	4.65
630	93.7	84.4	72.6	5.18
631	99.4	84.4	68.8	2.67
632	48.1	87.7	83.8	3.34
633	50.9	89.3	85.6	4.74
634	53.8	87.7	84.0	4.73
635	56.6	89.3	85.3	5.26
636	65.2	87.7	82.2	4.26
637	68.1	89.3	83.0	4.12
638	73.8	89.3	81.9	4.41
639	76.6	87.7	80.0	4.58
640	82.3	87.7	78.8	5.26
641	85.2	89.3	79.6	4.87
642	88.0	87.7	77.7	5.00
643	96.6	89.3	72.7	2.84
644	99.4	87.7	70.3	3.12
645	33.8	92.7	87.5	1.53
646	42.4	91.0	86.9	1.96
647	45.2	92.7	88.7	1.89
648	50.9	92.7	88.9	4.71
649	53.8	91.0	87.2	5.42
650	62.3	92.7	86.9	4.27
651	68.1	92.7	85.7	3.30
652	70.9	91.0	83.8	4.06
653	76.6	91.0	82.7	4.82
654	79.5	92.7	83.5	4.23
655	82.3	91.0	81.5	3.44
656	85.2	92.7	82.3	5.17
657	88.0	91.0	80.4	4.82
658	96.6	92.7	74.4	2.74
659	36.7	94.3	89.9	2.82
660	39.5	96.0	91.8	2.05
661	42.4	94.3	90.2	1.88
662	45.2	96.0	92.0	1.86
663	53.8	94.3	89.9	3.91

664	56.6	96.0	90.7	4.17
665	62.3	96.0	89.6	4.88
666	70.9	94.3	86.5	3.48
667	73.8	96.0	87.3	4.64
668	76.6	94.3	85.4	4.99
669	79.5	96.0	86.2	4.45
670	82.3	94.3	84.3	3.67
671	85.2	96.0	85.1	2.41
672	88.0	94.3	82.3	3.22
673	39.5	99.3	95.1	2.02
674	42.4	97.6	93.5	1.99
675	45.2	99.3	95.3	1.78
676	50.9	99.3	94.6	2.63
677	53.8	97.6	92.7	3.55
678	56.6	99.3	93.5	4.77
679	65.2	97.6	90.4	3.62
680	68.1	99.3	91.2	3.74
681	73.8	99.3	90.1	4.68
682	76.6	97.6	88.1	3.44
683	79.5	99.3	88.9	3.53
684	82.3	97.6	87.0	4.07
685	90.9	99.3	82.6	2.63
686	36.7	100.9	96.2	2.61
687	39.5	102.6	98.4	2.10
688	42.4	100.9	96.8	2.02
689	45.2	102.6	98.5	1.64
690	50.9	102.6	97.3	2.58
691	65.2	100.9	93.1	3.98
692	68.1	102.6	93.9	2.83
693	73.8	102.6	92.8	3.16
694	76.6	100.9	90.9	3.62
695	79.5	102.6	91.7	3.46
696	82.3	100.9	89.7	4.10
697	36.7	104.3	99.4	2.60
698	39.5	105.9	101.7	2.07
699	42.4	104.3	100.1	1.98
700	45.2	105.9	101.2	1.76
701	53.8	104.3	98.1	1.94
702	56.6	105.9	98.9	1.91
703	68.1	105.9	96.6	1.76
704	70.9	104.3	94.7	2.27
705	73.8	105.9	95.5	1.95
706	76.6	104.3	93.6	3.29
707	79.5	105.9	94.4	2.27
708	82.3	104.3	92.2	1.93
709	88.0	104.3	87.6	2.38
710	36.7	107.6	102.5	2.44
711	45.2	109.2	103.9	1.88
712	53.8	107.6	100.8	1.99

713	56.6	109.2	101.6	2.07
714	65.2	107.6	98.6	1.85
715	68.1	109.2	99.4	2.04
716	70.9	107.6	97.4	1.86
717	73.8	109.2	98.2	2.05
718	79.5	109.2	97.1	1.97
719	36.7	110.9	105.7	2.50
720	42.4	110.9	105.8	1.96
721	48.1	110.9	104.7	2.04
722	59.5	110.9	102.4	2.07
723	65.2	110.9	101.3	2.07
724	68.1	112.5	102.1	1.92
725	73.8	112.5	101.0	2.27
726	76.6	110.9	99.0	1.96
727	36.7	114.2	108.7	2.34
728	42.4	114.2	108.6	2.29
729	45.2	115.9	109.4	2.19
730	50.9	115.9	108.2	2.25
731	68.1	115.9	104.8	2.16
732	70.9	114.2	102.9	2.11
733	76.6	114.2	101.8	2.03
734	82.3	114.2	97.7	1.93
735	36.7	117.5	111.3	1.13
736	39.5	119.2	112.7	2.74
737	45.2	119.2	112.1	2.56
738	48.1	117.5	110.2	2.40
739	53.8	117.5	109.0	2.38
740	56.6	119.2	109.8	2.61
741	73.8	119.2	106.4	4.22
742	42.4	120.8	114.0	2.68
743	48.1	120.8	112.9	2.80
744	53.8	120.8	111.7	2.73
745	59.5	120.8	110.6	2.93
746	65.2	120.8	109.5	3.33
747	70.9	120.8	108.3	3.82

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