

No 5101/45. : Eotvös Loránd jogtörténeti magtársaság

2. kötet. I. kötet.

MEZŐKÖZSÉGI NYOMDA
KÖNYV-ÉRTÉKESÍTŐ
1970. 17

Ms 5701/5

96/
197. évi

Magyar Bifláris évkönyv

Bifláris

MAGYAR
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KÖNYVTÁRA

X	$\rho = 0,7$ rD lens		X	$\rho = 0,65$ rD lens	
80,10	644,5	592,7	80,10	663,7	589,5
	22	50			
71,94	622,3	549,6	71,94	76	91
	55	55			
64,24	567,9	586,8 487,5		586,8	498,0
	160	118		157	134
48,20	427,6	369,2	48,20	426,5	364
	96	56		107	42
40,04	312,0	210,0	40,04	325,0	322,0
	78	80		181	98
32,04	224	224		244	224

12072
 116590
 105546
776,8
 618,6, 35,9
 582,7, 55,0
 527,7, 139,3
 388,4, 75,9
 - 312,5, 83,5
 229,0

12532
 10398
790
 626,6
 542,4
 39,5
 823,5
 244

300
 266
794
 816 | 7590

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835
 518
 704

hany 160 c. hanna mignas

~~Eratali~~

Eratali potali lent

Jeli potali lent

Z	$\frac{\sigma}{\epsilon}$	$\frac{\Delta \sigma}{\Delta z}$
10,75(	98,45	1011,4
		1130,2 - 12,70
7,72(	88,20	881,2
		190,5 - 11,72
8,18(	80,48	790,7
		192,3 - 11,28
8,15(	72,30	698,4
		599,6 988 - 12,12
10,51(	64,15	475,1 1245 12,07
		1245 11,84
9,28(	53,64	378,4
		197,7 - 10,53
12,26(	44,36	235,9
		1142,5 - 11,62
7,64(	32,10	158,6
		177,3 - 10,12
8,21(	24,46	84,9
		173,7 8,97
8,68(	16,25	25,5
		159,4 6,84

Z	$\frac{\sigma}{\epsilon}$	
7,60(	96,54	1096,3
		188,8 - 11,68
8,79(	88,94	1007,5
		196,0 - 11,31
7,29(	80,45	911,5
		183,5 - 11,45
8,77(	73,16	828,0
		1110,4 - 12,59
6,19(	64,39	717,6
		1825 - 13,33
9,85(	58,20	635,1
		1148,6 - 15,09
8,13(	48,35	486,5
		1112,0 - 13,78
8,07(	40,12	374,5
		1110,5 - 13,69
7,43(	32,05	264,0
		181,6 - 10,97
8,36(	24,62	182,4
		185,1
8,33(	16,26	97,3
		167,3
3,60(	7,93	30,0
		116,1
4,33(	4,33	13,9
		13,0
	0	0,9
	-	0,9

Ap gij mignas hanna 160,4 c.

Eratali mignas	ϵ 98,45	σ 64,95	
	1011,4	+ 685,0	= 1696,4
	ϵ 88,20	σ 72,38	
	881,2	+ 817,2	= 1698,4
	ϵ 80,48	σ 79,92	
	790,7	+ 905,5	= 1696,2
	ϵ 72,30	σ 88,1	
	698,4	+ 977,7	= 1696,1
	ϵ 64,15	σ 96,29	
	605,0	+ 1092,4	= 1698,7
			Koupa 1697,1

Almáj részére

Értelmi juttatás

~~Almáj részére~~

15,21 (96,17 - 1019,3) 194,3 - 12,77
 16,89 (80,96 - 825,0) 220,7 - 13,07
 16,89 (64,07 - 604,3)

3,86 (96,04 - 1017,7) 55,4 - 14,36
 3,81 (92,18 - 962,3) 52,8 - 13,86
 3,09 (88,37 - 909,5) ~~35,1~~ - ~~11,39~~
 4,26 (85,28 - 874,4) 32,0 - ~~12,20~~
 4,05 (81,02 - 822,4) 67,4 - 16,64
 4,46 (76,97 - 755,0) 54,9 - 12,31
 4,45 (72,51 - 700,1) 35,2 - 7,93
 2,99 (68,06 - 664,9) 60,6 - 15,19
 3,57 (64,07 - 604,3) 36,8 - 10,31
 3,57 (60,50 - 567,5)

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4,64
7,26
8,30
7,94
11,14
13,10
13,94
12,02
13,31

91,6
78,3
66,3
52,3
39,2

13,4 C. kormi ühtlase arid rind.

Erakirjades lüü.

Deli jades lüü.

0	—	0,9	) - 11,3 - 2,43
4,64	(	4,64	— 12,2
		)	- 38,1 - 5,25
7,26	(	11,90	- 50,3
		)	- 62,7 - 7,51
8,30	(	20,20	- 113,0
		)	- 64,3 - 8,10
7,94	(	28,14	- 177,3
		)	- 97,7 - 8,77
11,14	(	39,28	- 275,0
		)	- 117,0 - 8,93
13,10	(	52,38	- 392,0
		)	- 130,0 - 9,33
13,94	(	66,32	- 522,0
		)	- 114,9 - 9,56
12,02	(	78,34	- 636,9
		)	- 126,6 - 9,51
13,31	(	91,65	- 763,5

0	—	1,6	) - 15,2 - 2,50
6,07	(	6,07	— 16,8
		)	- 30,7 - 5,18
5,92	(	11,99	— 47,5
		)	- 49,5 - 6,94
7,13	(	19,12	— 97,0
		)	- 71,6 - 7,78
9,19	(	28,31	— 168,6
		)	- 44,5 - 8,46
5,26	(	33,57	— 213,1
		)	- 60,6 - 8,72
6,95	(	40,52	— 273,7
		)	- 54,8 - 8,87
6,18	(	46,70	— 328,5
		)	- 64,8 - 9,31
6,64	(	53,34	— 390,3
		)	- 64,7 - 8,79
7,35	(	60,69	— 455,0
		)	- 53,7 - 9,67
5,55	(	66,24	— 508,7
		)	- 56,2 - 8,77
6,41	(	72,65	— 564,9
		)	- 59,7 - 9,43
6,33	(	78,98	— 624,6
		)	- 68,9 - 9,29
7,42	(	86,40	— 693,5
		)	- 59,7 - 9,79
6,10	(	92,50	— 753,2

Ejiv määritamine.

	Erakirjades	Deli	Ümbr	Ümbr
91,65	763,5	39,75	267,2	1030,7
78,34	636,9	53,06	387,8	1024,7
66,32	522,0	65,08	498,0	1020,0
52,38	392,0	79,02	624,8 624,8	1016,8 1016,8
39,28	275,0	92,12	749,4	1024,4

$$\mu = \frac{4}{5} m \frac{x}{L} \left(1 - \frac{1}{4} \frac{x^2}{L^2}\right) \quad 1)$$

$$\frac{d\mu}{dx} = \frac{4}{5} m \frac{1}{L} \left(1 - \frac{x^2}{L^2}\right)$$

$$\frac{d^2\mu}{dx^2} = -\frac{4}{5} m \frac{x}{L^2}$$

$\mu = a$ magyarázat felkötés.

1) *Uprinko*

$$\frac{x}{L} = \frac{1}{5} \quad \mu = 0,2662 \text{ m}$$

$$\text{" } \frac{x}{L} = \frac{2}{5} \quad \mu = 0,5262 \text{ m}$$

$$\text{" } \frac{x}{L} = \frac{3}{5} \quad \mu = 0,7640 \text{ m}$$

$$\text{" } \frac{x}{L} = \frac{4}{5} \quad \mu = 0,9031 \text{ m}$$

$$\text{" } \frac{x}{L} = \frac{5}{5} \quad \mu = 1,0000 \text{ m}$$

Bipilini B.M. 15

Uj Bipilini magnésiumo 1896 Jan. 6.
I

Aranyos adja a Thomasosok.

Aranyos méri 270^o sűrűn Törökgyalvánommal.

Sűrűs. 1 Ohm. 1 centigrád (1^o) kértve $\approx 0,01(1 + \frac{1}{100})$ Anglián.

A bipilini magnésiumo skálalívola = 218 Cent.

Kala 2 milliméter.

Bipilini drótk lárvola = ^{lent 29,7} _{hu 2010}

hossza =

1 drótk török munttama =

Jellegzetes sűrűs

13,66 gr.

Aj erőkij magnésium velt hűt

Aranyos = 0

Török = 250,2

Aranyos fel. $S = 32,0$ $i = 0,323 a$

$F = 250,05$

Aranyos le. $S = 32,0$ $i = 0,323 a$

$F = 250,3$

Erőke lent

80 C. hosszú 1x1 C. Aranyosok has magnésium

erőkei gyalasa lent.

Z = -20 +)

A magnésium aló vize a felő drótk vizek felett 20 Centiméterrel

Aranyos fel. $S = 32,4$ $i = 0,327 a$

$F = 249,95$

Aranyos le. $S = 32,4$ $i = 0,327 a$

$F = 250,9,5$

Uros

$F = 250,2$

+) Z a drótk felő vizek ^{lefele} mel hűvös a magnésium aló vizek.

Ésrehi lant.

$$Z = -5\text{C.}$$

Árny $F = 250,2$

Árny fel $S = 33,0$ $i = 0,333 \text{ a.}$

$$F = 250,0$$

Árny le $S = 33,0$ $i = 0,333 \text{ a.}$

$$F = 250,3$$

$$\underline{Z = +0,3}$$

Árny fel $S = 33,0$ $i = 0,333 \text{ a.}$

$$F = 250,0$$

Árny le $S = 33,0$

$$F = 251,2$$

Árny fel $S = 33,0$

$$F = 249,95$$

Árny $\{ F = 250,6$

$$Z = 0,0$$

Árny fel, $S = 33,0$

$$i = 0,333$$

$$F = 250,05$$

$$r = 1$$

$$\underline{\underline{\frac{r}{i} = 3,0}}$$

Árny le $S = 33,0$

$$F = 251,3,5$$

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$$Z = +8$$

Armen fel. $\begin{cases} S = 32,9 \\ F = 241,9 \end{cases} \quad i = 0,332 \text{ a.}$

15,85 Armen le $\begin{cases} S = 22,9 \\ F = 257,15 \end{cases} \quad i = 0,332 \text{ a. } \gamma = \frac{15,35}{4,260} = 12'1$

$$\frac{\gamma}{i} = \frac{12,1}{0,332} = 36,4$$

15,9 Armen $\begin{cases} F = 249,6 \end{cases}$

Armen fel $\begin{cases} S = 22,0 \\ F = 241,8 \end{cases}$

15,96

red. 0,332 a

Armen le $\begin{cases} S = 24,2 \\ F = 257,4 \end{cases} \quad i = 0,345$

red. 0,332 a 257,2

Armen $F = 249,5$

$$Z = +16$$

~~Armen $F = 249,5$ tündel megfogva.~~

Armen fel $\begin{cases} S = 36,0 \\ F = 225,7 \end{cases} \quad i = 0,364 \text{ a.}$

Armen le $\begin{cases} S = 0,36,0 \\ F = 273,9 \end{cases} \quad i = 0,364 \text{ a.}$

$$\gamma = 38'1$$

$$\frac{\gamma}{i} = \frac{38,1}{0,364} = 104'7$$

48,2

Armen $F = 249,8$

Armen fel $\begin{cases} S = 36,0 \\ F = 225,6 \end{cases}$

A fűzű kőzetek.

Armen fel $\begin{cases} S = 0,36,0 \\ F = 225,6 \end{cases} \quad i = 0,364$ Kéret long 2 ontogöring kövökben

trüvel

$$\underline{Z = 24 \text{ c}}$$

$$\text{Áram fel } \begin{cases} S = 36,6 \\ F = 204,5 \end{cases}$$

$$i = \frac{0,44}{0,370}$$

90,9

$$\text{Áram le } \begin{cases} S = 26,6 \\ F = 295,4 \end{cases}$$

$$\gamma = 71,7$$

$$\frac{\gamma}{i} = 193,8$$

$$\text{összesen } F = 249,7$$

$$\underline{Z = +22 \text{ c.}}$$

A becsült érték a dík áthijolat egész talán az összes
egyenlő megváltás.
trüvel.

$$\text{Összes } F = 246,5$$

132,4

$$\text{Áram fel } \begin{cases} S = 26,0 \\ F = 179,7 \end{cases}$$

$$i = 0,267$$

$$\gamma = \frac{152,8}{4260} = 104,7$$

$$\frac{\gamma}{i} = \frac{285,3}{0,267} = 1068$$

$$\text{Áram le } \begin{cases} S = 26 \\ F = 312,1 \end{cases} \quad i = 0,264$$

$$i = 0,267 \text{ re } 312,6$$

$$\underline{Z = +40 \text{ c.}}$$

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$$\text{Összes } F = 246,7$$

177,8

$$\text{Áram fel } \begin{cases} S = 36,3 \\ F = 157,1 \end{cases}$$

$$i = 0,267$$

$$\gamma = \frac{178,6}{4360} = 140,6$$

$$\frac{\gamma}{i} = 383,1$$

$$\text{Áram le } \begin{cases} S = 35,8 \\ F = 334,9 \end{cases}$$

$$i = 0,362$$

$$\text{re } i = 0,267 \text{ re } 336,1$$

$$\text{Összes } F = 246,9$$

$$336,1 - 157,1 = 179,0$$

$$\text{közvetlen átváltás} = 178,6$$

Dolgozat 246,9

Drelling 1. Jan 29/7
 B.M. 2
 1896

1896 Dec 6
 II Fortalm

Arant.

Z = 48 c.

Arant fel. $F = 246,0$

Arant le. $\begin{cases} S = 37,2 \\ F = 131,0 \end{cases}$

$i = 0,377$

$361,5 - 131,0 = 230,5$ car. $i = 0,377$

$\gamma = 180,9$

Arant le. $\begin{cases} S = 36,2 \\ F = 258,2 \end{cases}$

$i = 0,366$

car. $i = 0,377$ $\gamma = 361,5$ $\frac{\gamma}{i} = \frac{180,9}{0,377} = 479,8$

Z = 56 c.

Arant fel. $F = 246,2$

Arant le. $\begin{cases} S = 37,2 \\ F = 107,7 \end{cases}$

$i = 0,376$

$383,8 - 107,7 = 276,1$ car. $i = 0,376$ $\gamma = 274,6$ $\gamma = 215,6$

Arant le. $\begin{cases} S = 36,6 \\ F = 281,6 \end{cases}$

$i = 0,370$ $\frac{\gamma}{i} = \frac{215,6}{0,376} = 573,4$

car. $i = 0,376$ $\gamma = 383,8$

Z = 64 c.

Arant fel. $\begin{cases} S = 37,2 \\ F = 87,0 \end{cases}$

$i = 0,376$

$403,2 - 87 = 316,2$ car. $i = 0,376$ $\gamma = 314,0$

$\gamma = 246,1$ $\frac{\gamma}{i} = \frac{246,1}{0,376} = 654,5$

Arant le. $\begin{cases} S = 36,7 \\ F = 401,1 \end{cases}$

$i = 0,371$

car. $i = 0,376$ $\gamma = 403,2$

Arant fel. $F = 246,0$

Z = 72 c.

Arant fel. $F = 244,0$

Arant le. $\begin{cases} S = 37,2 \\ F = 66,5 \end{cases}$

$i = 0,376$

$421,5 - 66,5 = 355,0$ car. $i = 0,376$ $\gamma = 351,9$

Arant le. $\begin{cases} S = 37,2 \\ F = 421,5 \end{cases}$

$\gamma = \frac{351,9}{0,376} = 275,3$

$\frac{\gamma}{i} = 732,2$

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$$\underline{\underline{Z = 80}}$$

lignes $F = 244,0$

Arrière fol $\left\{ \begin{array}{l} S = 37,2 \\ F = 58,7 \end{array} \right.$

$$i = 0,376$$

$$428,9 - 58,7 = 370,2 \text{ ty. corr. } 366,7$$

$$s = 286,7$$

Arrière le $\left\{ \begin{array}{l} S = 37,2 \\ F = 428,9 \end{array} \right.$

$$i = 0,376$$

$$\frac{s}{i} = 762,5$$

lignes $244,4$

$$\underline{\underline{Z = 98,5}}$$

Multiplication lignes $F = 250,0$

Arrière fol $\left\{ \begin{array}{l} S = 37,2 \\ F = 67,5 \end{array} \right.$

Arrière le $\left\{ \begin{array}{l} S = 37,2 \\ F = 431,0 \end{array} \right.$

$$\underline{\underline{\text{Ligne } Z = 80}}$$

lignes $F = 250,5$

Arrière fol $\left\{ \begin{array}{l} S = 37,2 \\ F = 70,0 \end{array} \right.$

Arrière le $\left\{ \begin{array}{l} S = 37,2 \\ F = 428,6 \end{array} \right.$

lignes $F = 250,5$

Arrière fol $\left\{ \begin{array}{l} S = 37,0 \\ F = 71,7 \end{array} \right.$

Arrière le $\left\{ \begin{array}{l} S = 36,6 \\ F = 429,0 \end{array} \right.$

Vízvezetés a mágnus alvó víz állásában
 befolyására.

Az alvó víz a drótkölyög végénél Drótkölyög

Víz 250,6

Arany fel. $\begin{cases} G = 37,0 \\ F = 84,2 \end{cases}$

Arany le $\begin{cases} G = 36,4 \\ F = 415,6 \end{cases}$

December 9c

Az alvó víz alvó állásában befolyás

Mágnus a drótkölyög helyében állított Kalkulátorral.
~~Arany~~ a drótkölyög helyében állított Kalkulátorral.

Víz állított: Víz F = 250,2

Arany fel $\begin{cases} S = 31,0 & i = 0,213 \\ F = 100,6 & 400,0 - 100,6 = 299,4 \text{ kg. conc. } 297,5 \\ & x = 232,7 \quad \frac{x}{i} = 745,3 \end{cases}$

Arany le $\begin{cases} S = 34,4 & i = 0,347 \\ F = 416,6 & i = 0,213 \text{ on } 400,0 \end{cases}$

Víz 250,6

Kalkulátor $\frac{1}{2}$ C. jöttön. □

Víz 250,4

Arany fel $\begin{cases} S = 34,3 & i = 0,346 \\ F = 68,5 \end{cases}$

Arany le $\begin{cases} G = 33,8 & i = 0,341 \\ F = 425,4 & \text{conc } i = 0,246 \text{ on } 427,8 \end{cases}$

Víz

Ugyan jól állítottam

Üres $F = 250,1$

$$\text{Áram fel} \begin{cases} S = 33,9 \\ F = 86,5 \end{cases} \quad i = 0,342$$

$413,6 - 86,5 = 327,1$ $\frac{327,1}{4}$ $\approx 81,775$

$$\text{Áram le} \begin{cases} S = 33,9 \\ F = 413,6 \end{cases} \quad \frac{8}{i} = 743,6$$

Üres $250,2$

Intenzitásra vizsgált
Áramoknál még ellenállás

$$\text{Áram fel} \begin{cases} S = 17,2 \\ F = 167,1 \end{cases} \quad i = 0,174$$

$332,8 - 167,1 = 165,7$ $\frac{165,7}{4}$ $\approx 41,425$

$$\text{Áram le} \begin{cases} S = 17,2 \\ F = 332,8 \end{cases} \quad \frac{8}{i} = 748,3$$

Üres

$Z = 100 \text{ l.}$

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Intenzitásra állítottam

Üres $F = 250,0$

$$\text{Áram fel} = \begin{cases} S = 33,0 \\ F = 90,0 \end{cases} \quad i = 0,333$$

$410 - 90 = 320$ $\frac{320}{4}$ $= 80$

$$\text{Áram le} \begin{cases} S = 33,0 \\ F = 410,0 \end{cases} \quad \frac{8}{i} = 747,4$$

Üres $249,8$

Áram

B.M. 3

1896 December 7

Arany fel 257,5
le 242,5Új bipoláris mágnes mérés $Z = +8 \text{ C.}$

potenciálitron

törés 250,0

$$\text{Arany fel } \begin{cases} S = 22,4 & i = 0,327 \\ F = 242,5 \end{cases}$$

$257,5 - 242,5 = 15 \quad \gamma = 11,9$
 $\frac{\gamma}{i} = 36,4$

15

$$\text{Arany le } \begin{cases} S = 257,5 & \text{Corr } i = 0,227 \text{ re } 257,5 \\ F = 22,2 & i = 0,325 \end{cases}$$

törés 250,0

Arany 8. $Z = +16 \text{ C.}$

potenciálitron

törés 249,8

$$\text{Arany fel } \begin{cases} S = 30,2 & 269,6 - 229,7 = 39,9 \\ F = 229,7 \end{cases}$$

$i = 0,305$
 $\gamma = 31,5 \quad \frac{\gamma}{i} = 103,3$

40

$$\text{Arany le } \begin{cases} S = 30,4 \\ F = 269,7 \end{cases} \text{ Corr. } 30,2 \text{ re } 269,6$$

 $Z = +24 \text{ C.}$ MAGYAR
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potenciálitron

törés $F = 250,0$

$$\text{Arany fel } \begin{cases} S = 29,8 & i = 0,301 \\ F = 214,2 \end{cases}$$

$285,6 - 214,2 = 71,4$
 $\gamma = 56,2$

71,4

$$\text{Arany le } \begin{cases} S = 29,8 \\ F = 285,6 \end{cases} \quad \frac{\gamma}{i} = 186,7$$

$$\underline{Z = +32}$$

Vires 249,9

$$\text{Arum fel} \begin{cases} S = 29,8 \\ F = 196,7 \end{cases}$$

$$i = 0,301$$

$$303 - 196,7 = 106,3 \quad \text{by ans } 106,2$$

$$x = 83,9 \quad \frac{x}{i} = \underline{278,6}$$

$$\text{Arum le} \begin{cases} S = 29,2 \\ F = 302,0 \end{cases}$$

$$\text{red. } i = 0,301, \text{ re } \underline{303,0}$$

$$\underline{Z = +40}$$

Vires 249,5

$$\text{Arum fel} \begin{cases} S = 29,6 \\ F = 177,3 \end{cases}$$

$$i = 0,299$$

$$321,5 - 177,3 = 144,2 \quad \text{by ans } 144,0$$

$$x = 113,7$$

$$\text{Arum le} \begin{cases} S = 29,6 \\ F = 321,5 \end{cases}$$

$$\frac{x}{i} = \underline{379,6} \quad 380,1$$

$$\underline{Z = +48}$$

Vires F = 249,6

$$\text{Arum fel} \begin{cases} S = 29,6 = 0,299 \\ F = 159,2 \end{cases}$$

$$339,7 - 159,2 = 180,5 \quad \text{by ans}$$

$$x = \underline{142,1}$$

$$\frac{x}{i} = \underline{475,2}$$

$$\text{Arum le} \begin{cases} S = 29,8 \\ F = 340,3 \end{cases}$$

$$\text{Ans. } i = 0,299, \text{ re } 339,7$$

$$\underline{\underline{Z = +56}}$$

$$\ddot{V}_{res} = 249,5$$

$$\text{Arrendo } \left\{ \begin{array}{l} S = 29,8 \\ F = 141,2 \end{array} \right. \quad i = 0,301$$

$$357,9 - 141,2 = 216,7$$

$$r = 170,4$$

$$\frac{F}{i} = \underline{\underline{566,1}}$$

$$\text{Arrendo } \left\{ \begin{array}{l} S = 29,7 \\ F = 357,6 \end{array} \right.$$

$$\text{Carr. } 0,201 \text{ en } 357,9$$

$$\ddot{V}_{res} = 249,6$$

$$\underline{\underline{Z = 64}}$$

$$\ddot{V}_{res} = 249,1$$

$$\text{Arrendo } \left\{ \begin{array}{l} S = 30,9 \\ F = 119,0 \end{array} \right.$$

$$i = 0,12$$

$$379,0 - 119,0 = 260$$

$$r = 204,2$$

$$\frac{F}{i} = \underline{\underline{654,5}}$$

$$\text{Arrendo } \left\{ \begin{array}{l} S = 31,9 \\ F = 380,6 \end{array} \right.$$

$$\text{Carr. } 379,0$$

$$\underline{\underline{Z = 72}}$$

$$\ddot{V}_{res} = 249,5$$

$$\text{Arrendo } \left\{ \begin{array}{l} S = 101,5 \\ F = 32,0 \end{array} \right.$$

e

$$i = 0,323$$

$$397,1 - 101,5 = 295,6$$

$$r = 231,9$$

$$\frac{F}{i} = \underline{\underline{714,9}}$$

$$\text{Arrendo } \left\{ \begin{array}{l} S = 31,8 \\ F = 396,1 \end{array} \right.$$

$$\text{Carr. } 0,201 \text{ en } 397,1$$

$$\underline{Z = 80}$$

$$\ddot{U}res = 245,6$$

$$\ddot{A}ram fel \begin{cases} S = 32 \\ F = 94,8 \end{cases} \quad i = 0,023$$

$$405,8 - 294,8 = 311$$

$$\delta = 242,8 \quad \frac{\delta}{i} = 754,8$$

$$\ddot{A}ram le \begin{cases} S = 31,3 \\ F = 401,8 \end{cases} \quad \text{annakban } 405,8$$

Kalkulációval ábrán

$$\underline{Z = 32,15}$$

$$\ddot{U}res F = 245,0$$

$$\ddot{A}ram fel \begin{cases} S = 32,8 \\ F = 185,4 \end{cases} \quad i = 0,331$$

$$\begin{array}{r} 304,3 \\ 185,4 \\ \hline 118,9 \end{array} \quad \delta = 93,7 \quad \frac{\delta}{i} = 283,1$$

$$\begin{cases} S = 32,8 \\ F = 304,3 \end{cases} \quad i = 0,331$$

$$\ddot{U}res = 245,0$$

$$\underline{Z = 40,25}$$

$$\ddot{U}res F = 245,2$$

$$\ddot{A}ram fel \begin{cases} S = 32,2 \\ F = 165,8 \end{cases} \quad i = 0,325$$

$$\begin{array}{r} 324,0 \\ 165,8 \\ \hline 158,2 \end{array} \quad \delta = 124,6 \quad \frac{\delta}{i} = 383,4$$

$$\ddot{A}ram le \begin{cases} S = 52,0 \\ F = 323,5 \end{cases} \quad \text{annakban } 324,0$$

$$\underline{Z = 48,26}$$

$$\frac{479,1 - 383,4}{8,01} = 11,95$$

$$\ddot{U}res F = 245,2$$

$$\ddot{A}ram fel \begin{cases} S = 32,2 \\ F = 146,1 \end{cases} \quad i = 0,325$$

$$\begin{array}{r} 342,9 \\ 146,1 \\ \hline 196,8 \end{array} \quad \delta = 155,7 \quad \frac{\delta}{i} = 479,1$$

$$\ddot{A}ram le \begin{cases} S = 31,7 \\ F = 342,4 \end{cases} \quad \text{annakban } 343,9$$

$$\ddot{U}res F =$$

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B. M. 4

8 juytatás

Dátum: 1917
l. 200

Készlet

$$Z = 36,41$$

$$\text{Árny} F = 245,3$$

$$\text{Áram fel} \begin{cases} S = 32,2 \\ F = 176,0 \end{cases}$$

$$\text{Áram le} \begin{cases} S = 21,6 \\ F = 213,0 \end{cases}$$

$$Z = 44,40$$

$$\text{Árny} = 245,2$$

$$\text{Áram fel} \begin{cases} S = 32,0 \\ F = 156,9 \end{cases}$$

$$\text{Áram le} \begin{cases} S = 32,0 \\ F = 333,5 \end{cases}$$

Árny. 9 nyel.
nyel.

$$\text{Árny} 245,0$$

$$\text{Áram fel} \begin{cases} S = 29,9 \\ F = 163,9 \end{cases}$$

$$\text{Áram le} \begin{cases} S = 28,9 \\ F = 324,2 \end{cases}$$

$$\text{Áram fel} \begin{cases} S = 30,3 \\ F = 160,3 \end{cases}$$

$$\text{Áram le} \begin{cases} S = 30,0 \\ F = 327,5 \end{cases}$$

$$Z = 32,15 \text{ és } Z = 36,41 \text{ között}$$
$$\frac{335,4 - 283,1}{4,26} = 12,28$$

$$i = 0,325$$

$$\frac{314,3}{176,0} \quad \frac{176,0}{138,8} \quad \delta = 109,0 \quad \frac{\delta}{i} = 335,4$$

$$Z = 36,41 \text{ és } Z = 40,25 \text{ között}$$
$$\text{Cikk. } 314,3 \left\{ \frac{383,4 - 335,4}{3,84} = 12,50 \right.$$

$$Z = 40,25 \text{ és } Z = 44,40 \text{ között}$$
$$\frac{436,1 - 383,4}{4,15} = 12,70$$

$$i = 0,323$$

$$\frac{333,5}{156,9} \quad \frac{156,9}{176,6} \quad \delta = 139,1 \quad \frac{\delta}{i} = 426,1$$

$$Z = 44,4 \text{ és } Z = 48,26 \text{ között}$$
$$\frac{479,1 - 426,1}{2,86} = 11,14$$

$$i = 0,296$$

$$\frac{325,2}{163,9} \quad \frac{163,9}{161,3} \quad \delta = 127,0 \quad \frac{\delta}{i} = 429,1$$

$$\text{Cikk. } 325,2$$

$$i = 0,306$$

$$\frac{328,3}{160,3} \quad \frac{160,3}{168,0} \quad \delta = 132,3 \quad \frac{\delta}{i} = 432,3$$

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$$\text{Cikk. } 328,3$$

Sur. 9. Soluții

Depraj & Annullat

7

Z = 44,40 min elis

	S	SA	F	$\frac{S}{i}$	$\frac{SA}{c}$	$\frac{F}{c}$	SA	Calculation
Arum fel	40,9	82,0	128,2	40,7 $i = 0,411$	176,7	331,0	416,3 82 334,3	q. conv. 331,0
Arum le	40,5	416,3	262,0	429,9 +0,7	176,7	331	176,7 331	= 0,5338 + 0,0002
Arum fel	40,9	81,2	138,1	40,6 $i = 0,400$	174,6	328,1	412,6 81,2 331,4	conv. 328,1
Arum le	40,8	412,6	260,1	425,9 $\frac{1}{100} - 3,3$	174,6	328,1	174,6 328,1	0,5322 + 0,0014
Arum fel	39,0	88,8	142,2	38,8 $i = 0,391$	168,8	315,7	407,8 88,8 319,0	conv. 315,7
Arum le	38,6	407,8	257,8	421,7 +2,3 Körp 429,2	168,8	315,7	168,8 315,7	= 0,5347 + 0,0011

Körp 0,5336.

B. M. 5
1896 dec. 12.

Dr. Kálmán Antal 29,7
Lent 30,0

Kőrhengeres magnés (401 cm hosszú)
 $Z = 15,69 \text{ cm}$

1
Arany fel $\left\{ \begin{array}{l} F = 220,5 \\ \Delta a = 120,5 - 120,5 \\ G = 60,9 \end{array} \right. \quad \begin{array}{l} g = 0,612 \\ \frac{280,5}{220,5} - \frac{120,5}{63,0} \quad \gamma = 49,7. \end{array} \quad \begin{array}{l} \frac{F}{g} = 87,2 \\ \frac{d}{g} = 384,8 \end{array}$

1
Arany le $\left\{ \begin{array}{l} F = 283,5 \\ \Delta a = 366,7 - 365,7 \\ G = 60,4 \end{array} \right. \quad \begin{array}{l} \frac{366,2}{129,5} \\ 236,7 \quad \text{Ar. } 205,5 \end{array} \quad \begin{array}{l} \frac{F}{d} = 0,2114 \end{array}$

1
Üres $\left\{ \begin{array}{l} \Delta a = 248,1 \\ F = 252,0 \end{array} \right.$

$Z = 20,01 \text{ C.}$

1
Üres $\left\{ \begin{array}{l} \Delta a = 248,3 \\ F = 252,0 \end{array} \right. \quad \begin{array}{l} g = 0,611 \\ \frac{296,6}{206,8} \quad \gamma = 70,1 \end{array} \quad \frac{F}{g} = 114,7.$

1
Arany fel $\left\{ \begin{array}{l} G = 60,8 \\ \Delta a = 129,2 \\ F = 206,8 \end{array} \right. \quad \begin{array}{l} \frac{296,6}{89,8} \quad \gamma = 70,1 \end{array} \quad \frac{d}{g} = 386,1$

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1
Arany le $\left\{ \begin{array}{l} G = 60,2 \\ \Delta a = 366,2 \\ F = 296,6 \end{array} \right. \quad \begin{array}{l} \frac{366,2}{129,2} \\ 237,1 \quad \text{Ar. } 235,9 \end{array} \quad \frac{F}{d} = 0,2971$

$Z = 25,45 \text{ C.}$ $= 25,43 \text{ C}$

1
Üres $\left\{ \begin{array}{l} \Delta a = 248,0 \\ F = 252,3 \end{array} \right. \quad \begin{array}{l} g = 0,599 \\ \frac{313,0}{191,3} \\ 121,7 \quad \gamma = 96,0 \end{array} \quad \begin{array}{l} \frac{F}{g} = 160,3 \\ \frac{d}{g} = 385,1 \end{array}$

1
Arany fel $\left\{ \begin{array}{l} G = 59,5 \\ \Delta a = 131,1 - 131,2 \\ F = 107,3 \end{array} \right. \quad \begin{array}{l} \frac{363}{131,1} \\ 231,7 \quad \text{Ar. } 230,7 \end{array} \quad \frac{F}{d} = 0,4161$

1
Arany le $\left\{ \begin{array}{l} G = \del{59,5} 59,0 \\ \Delta a = 363,0 - 363,1 \\ F = 313,0 \end{array} \right.$

$$\underline{Z = 65,98}$$

Ures $\left\{ \begin{array}{l} F = 252,3 \\ S_a = 248,1 \end{array} \right.$ $g = 0,600$

Aram fel $\left\{ \begin{array}{l} F = 159,8 \\ S_a = 130,8 \\ S = 59,6 \end{array} \right.$

$$\begin{array}{r} 342,3 \\ 159,8 \\ \hline 183,5 \end{array} \quad \gamma = 144,5$$

$$\frac{\delta}{g} = 240,8$$

$$\frac{d}{g} = 386,3$$

$$\begin{array}{r} 363,8 \\ 120,8 \\ \hline 233,0 \end{array} \quad 231,8$$

$$\frac{\delta}{d} = 23,4$$

Aram le $\left\{ \begin{array}{l} F = 342,3 \\ S_a = 363,8 \\ S = 59,1 \end{array} \right.$

$$\underline{Z = 20,22}$$

Ures $\left\{ \begin{array}{l} F = 252,2 \\ S_a = 248,0 \end{array} \right.$ $g = 0,600$

Aram fel $\left\{ \begin{array}{l} F = 207,0 \\ S_a = 120,4 \\ S = 60,0 \end{array} \right.$

$$\begin{array}{r} 296,7 \\ 207,0 \\ \hline 89,7 \end{array} \quad \gamma = 70,8$$

$$\frac{\delta}{g} = 118,0$$

$$\frac{d}{g} = 389,0$$

Aram le $\left\{ \begin{array}{l} F = 296,7 \\ S_a = 364,0 \\ S = 58,8 \end{array} \right.$

$$\begin{array}{r} 364,0 \\ 125,4 \\ \hline 234,6 \end{array} \quad \text{Ar. } 233,4$$

$$\frac{\delta}{d} = 0,303,8$$

$$\underline{Z = 15,22}$$

$$\begin{array}{l} F = 252,1 \\ S_a = 248,1 \end{array}$$

$$g = 0,623$$

Aram fel $\left\{ \begin{array}{l} F = 221,3 \\ S_a = 125,4 \\ S = 61,8 \end{array} \right.$

$$\begin{array}{r} 282,8 \\ 221,3 \\ \hline 61,5 \end{array} \quad \gamma = 48,5$$

$$\frac{\delta}{g} = 78,9$$

$$\frac{d}{g} = 390,0$$

Aram le $\left\{ \begin{array}{l} F = 282,8 \\ S_a = 369,7 \\ S = 61,6 \end{array} \right.$

$$\begin{array}{r} 363,7 \\ 125,4 \\ \hline 244,3 \end{array} \quad 243,0$$

$$\frac{\delta}{d} = 0,1996$$

$$Z = 20,20$$

$$\text{Wasser} \begin{cases} \delta a = 248,2 \\ F = 251,9 \end{cases} \quad g = 0,602$$

$$\text{Arum fel} \begin{cases} F = 205,6 \\ \delta a = 127,2 \\ S = 61,0 \end{cases} \quad \begin{array}{r} 295,8 \\ 205,2 \\ \hline 90,6 \end{array} \quad \gamma = 71,5$$

$$\frac{K}{g} = 118,8$$

$$\frac{d}{g} = 389,7$$

$$\text{Arum le} \begin{cases} F = 295,8 \\ \delta a = 127,2 \\ S = 58,2 \end{cases} \quad \begin{array}{r} 363,0 \\ 127,2 \\ \hline 235,8 \end{array} \quad \text{an } 204,6$$

$$\frac{K}{g} = 0,3039$$

$$Z = 17,80$$

$$\text{Wasser} : \begin{cases} \delta a = 248,2 \\ F = 251,6 \end{cases}$$

$$\text{Arum fel} \begin{cases} F = 209,5 \\ \delta a = 114,2 \\ S = 68,8 \end{cases} \quad g = 0,691 \quad \begin{array}{r} 294,7 \\ 209,5 \\ \hline 85,2 \end{array} \quad \gamma = 67,2$$

$$\frac{K}{g} = 97,25$$

$$\text{Arum le} \begin{cases} F = 294,7 \\ \delta a = 380,2 \\ S = 68,0 \end{cases} \quad \begin{array}{r} 380,2 \\ 114,2 \\ \hline 266,0 \end{array} \quad \text{an } 264,2$$

$$\frac{d}{g} = 382,3$$

$$\frac{K}{d} = 0,2544$$

$$Z = 13,28$$

$$\text{Wasser} \begin{cases} \delta a = 248,1 \\ F = 251,8 \end{cases} \quad g = 0,684$$

$$\text{Arum fel} \begin{cases} F = 224,4 \\ \delta a = 115,6 \\ S = 68,0 \end{cases} \quad \begin{array}{r} 279,1 \\ 224,4 \\ \hline 54,7 \end{array} \quad \gamma = 40,2$$

$$\frac{K}{g} = 63,16$$

$$\text{Arum le} \begin{cases} F = 279,1 \\ \delta a = 378,7 \\ S = 67,5 \end{cases} \quad \begin{array}{r} 378,7 \\ 115,6 \\ \hline 263,1 \end{array} \quad \text{an } 261,3$$

$$\frac{d}{g} = 382,0$$

$$\frac{K}{g} = 0,1653$$

$$\underline{Z = 23,17 \text{ C.}}$$

$$\text{Víz} \begin{cases} \delta a = 248,2 \\ F = 251,9 \end{cases} \quad g = 0,671$$

$$\text{Áram fel} \begin{cases} F = 191,1 \\ \delta a = 117,7 \\ g = 66,6 \end{cases} \quad \begin{array}{r} 312,2 \\ 191,1 \\ \hline 121,1 \end{array} \quad \begin{array}{l} \gamma = 95,4 \\ \cancel{\gamma = 87,6} \end{array} \quad \frac{\delta}{g} = \frac{142,2}{180,5}$$

$$\text{Áram le} \begin{cases} F = 312,2 \\ \delta a = 376,9 \\ g = 66,2 \end{cases}$$

$$\underline{Z = 35,22}$$

$$\text{Víz} \begin{cases} \delta a = 249,1 \\ F = 251,9 \end{cases}$$

$$\text{Áram fel} \begin{cases} F = 155,7 \\ \delta a = 118,0 \\ g = 66,5 \end{cases} \quad g = 0,668$$

$$\text{Áram le} \begin{cases} F = 346,2 \\ \delta a = 277,0 \\ g = 65,7 \end{cases}$$

$$\begin{array}{r} 346,2 \\ 155,7 \\ \hline 190,5 \end{array} \quad \begin{array}{l} 150,0 \\ \gamma = \cancel{114} \end{array} \quad \frac{\delta}{g} = 217,1$$

$$\underline{Z = 37,94}$$

$$\text{Víz} \begin{cases} \delta a = 250,6 \\ F = 251,9 \end{cases} \quad g = 0,656$$

$$\text{Áram fel} \begin{cases} F = 153,1 \\ \delta a = 118,8 \\ g = 65,2 \end{cases} \quad \begin{array}{r} 350,0 \\ 153,1 \\ \hline 196,9 \end{array} \quad \gamma = 154,8 \quad \frac{\delta}{g} = 236,0$$

$$\text{Áram le} \begin{cases} F = 350,0 \\ \delta a = 277,0 \\ g = 65,0 \end{cases}$$

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B.M. 6
Székely 12
Kopcsai

Drilléret für 29,7
Lust 30,0

96

Z = 5,29

Növes

$$\begin{cases} F = 251,9 \\ D_a = 249,9 \end{cases}$$

g = 0,660

Arum fel

$$\begin{cases} F = 245,4 \\ D_a = 120,9 \\ G = 65,6 \end{cases}$$

$$\begin{array}{r} 258,5 \\ 245,4 \\ \hline 13,1 \end{array}$$

γ = 10,3

$\frac{\delta}{g} = 15,6$

Arum le

$$\begin{cases} F = 258,5 \\ D_a = 376,7 \\ G = 65,0 \end{cases}$$

Z = 2,870

Növes

$$\begin{cases} F = 251,8 \\ D_a = 250,0 \end{cases}$$

g = 0,665

Arum fel

$$\begin{cases} F = 248,9 \\ D_a = 120,1 \\ G = 66 \end{cases}$$

$$\begin{array}{r} 255,0 \\ 248,9 \\ \hline 6,1 \end{array}$$

γ = 4,82

$\frac{\delta}{g} = 7,2$

Arum le

$$\begin{cases} F = 255,0 \\ D_a = 376,5 \\ G = 65,7 \end{cases}$$

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Vette

Székely kopcsai

Deli pulus lens.

$Z = 49,08$

Wasser

$\begin{cases} F = 251,4 \\ D_a = 249,7 \end{cases}$

$g = 0,665$

Äram fel

$\begin{cases} F = 352,5 \\ D_a = 118,8 \\ G = 66,2 \end{cases}$

$\begin{array}{r} 352,5 \\ 151,3 \\ \hline 201,2 \end{array}$

$\gamma = 158,4$

$\frac{\gamma}{g} = 238,2$

Äram le

$\begin{cases} F = 151,3 \\ D_a = 377,5 \\ G = 65,5 \end{cases}$

$Z = 30,14$

Wasser

$\begin{cases} F = 251,0 \\ D_a = 249,0 \end{cases}$

$g = 0,666$

Äram fel

$\begin{cases} F = 330,2 \\ D_a = 116,0 \\ G = 66,2 \end{cases}$

$\begin{array}{r} 330,2 \\ 169,5 \\ \hline 163,7 \end{array}$

$\gamma = 128,9$

$\frac{\gamma}{g} = 193,5$

Äram le

$\begin{cases} F = 169,5 \\ D_a = 384,7 \\ G = 65,6 \end{cases}$

$Z = 20,12$

Wasser

$\begin{cases} F = 251,0 \\ D_a = 249,1 \end{cases}$

$g = 0,656$

Äram fel

$\begin{cases} F = 300,3 \\ D_a = 111,9 \\ G = 65,3 \end{cases}$

$\begin{array}{r} 300,3 \\ 202,4 \\ \hline 97,9 \end{array}$

$\gamma = 77,3$

$\frac{\gamma}{g} = 117,8$

Äram le

$\begin{cases} F = 202,4 \\ D_a = 386,0 \\ G = 64,9 \end{cases}$

$$Z = 79,96$$

$$\text{Wien} \begin{cases} F = 251,0 \\ g_a = 248,9 \end{cases} \quad g = 0,661$$

$$\text{Arum fel} \begin{cases} F = 268,1 \\ g_a = 111,0 \\ g = 65,9 \end{cases} \quad \begin{array}{r} 268,1 \\ 234,9 \\ \hline 33,2 \end{array} \quad x = 26,2 \quad \frac{x}{g} = 39,6$$

$$\text{Arum le} \begin{cases} F = 274,9 \\ g_a = 389,7 \\ g = 65,2 \end{cases}$$

December 13 join higny hein tu. a tibi mowat

$$Z = 9,95$$

$$\text{Wien} \begin{cases} F = 254,6 \\ g_a = 249,0 \end{cases} \quad g = 0,611$$

$$\text{Arum fel} \begin{cases} F = 270,1 \\ g_a = 118,4 \\ g = 61,0 \end{cases} \quad \begin{array}{r} 270,1 \\ 239,2 \\ \hline 30,9 \end{array} \quad x = 23,9 \quad \frac{x}{g} = 39,1$$

$$\text{Arum le} \begin{cases} F = 239,2 \\ g_a = 383,1 \\ g = 60,0 \end{cases}$$

$$\text{Wien} \quad F = 254,5$$

$$\underline{Z = 0}$$

$$\text{Wien} \begin{cases} F = 253,5 \quad 253,4 \\ g_a = 249,0 \end{cases}$$

$$\text{Arum fel} \begin{cases} F = 252,7 \quad 252,6 \\ g_a = \\ g = 60,2 \end{cases}$$

$$\text{Arum le} \begin{cases} F = 253,5 \quad 253,4 \\ g_a = \\ g = 59,3 \end{cases}$$

Május d ∞

Úres $\left\{ \begin{array}{l} F = 253,0 \quad 253,1 \quad 253,1 \\ S = 60,7 \quad 60,7 \quad 60,7 \end{array} \right.$

Áram fel $\left\{ \begin{array}{l} F = 252,7 \quad 252,7 \quad 252,6 \\ S = 60,7 \quad 60,7 \quad 60,7 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 253,6 \quad 253,6 \quad 253,6 \\ S = 60,2 \quad 60,7 \quad 60,9 \end{array} \right.$

Kiszámla a Depozit d'Assurance.

Úres $F = 252,8 \quad 253,1 \quad 253,1$

Áram fel $\left\{ \begin{array}{l} F = 252,8 \quad 252,7 \quad 252,8 \\ S = 90,1 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 253,8 \quad 253,9 \quad 254,0 \\ S = 88,0 \quad 89,7 \end{array} \right.$

B.M. 7

drótlant ¹⁹¹⁷ 29,7
1910 30,0

1 Cent. át mérője kőhenger mérés

hossza = 40,1 C.
jelléneke alulról 4,06 C.

Felhasználható kőhenger
218 C.

Északi pólus lent.

Z = 40,1 C.

Áram fel $\begin{cases} S = 62,9 & g = 0,635 \\ \Delta a = 221,8 & 221,7 \\ F = 146,5 \end{cases}$

$\frac{240,4}{146,5} \quad g = 152,6 \quad \frac{g}{z} = 240,3$
 $\frac{193,9}{146,5}$

Áram le $\begin{cases} S = 62,9 \\ \Delta a = 261,1 & 261,0 \\ F = 240,4 \end{cases}$

$\frac{361,1}{121,8} \quad \frac{d}{z} = 274,8$
 $\frac{239,3}{121,8} \quad \text{ly. m. } 238,0 \text{ d.} \quad \frac{d}{z} \text{ közelebb a } \frac{d}{z} \text{ dolog}$

Áram $\begin{cases} g = 243,7 \\ \Delta a = 240,0 \end{cases}$

$\frac{g}{d} = 0, \frac{6411}{1770} \quad \frac{g}{z} =$

Z = 67,7

1 Kőh. állatva.

Áram $\begin{cases} \Delta a = 249,2 \\ F = 250,0 \end{cases}$

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g = 0,642

Áram fel $\begin{cases} S = 64,2 \\ \Delta a = 128,0 & 128,1 \\ F = 150,1 \end{cases}$

$\frac{247,5}{150,1} \quad g = 155,4. \quad \frac{g}{z} = 242,7$
 $\frac{197,4}{150,1}$

Áram le $\begin{cases} S = 63,0 \\ \Delta a = 268,7 & 268,0 \\ F = 247,5 \end{cases}$

$\frac{368,5}{128} \quad \frac{d}{z} = 372,6$
 $\frac{240,5}{128} \quad \text{ly. m. } 239,2 \text{ d.}$

$\frac{g}{d} = 0,6496$

Áram $\begin{cases} \Delta a = 249,6 \\ F = 250,5 \end{cases}$

Arum fel $\begin{cases} S = 62,9 \\ \delta a = 120,6 \\ F = 152,4 \end{cases}$ $g = 0,621$

$$\frac{346,2}{152,4} \quad \delta = 152,6 \quad \frac{\delta}{g} = 241,8$$

$$\frac{193,9}{152,4}$$

Arum le $\begin{cases} S = 62,1 \\ \delta a = 266,8 \\ F = 346,2 \end{cases}$ $266,8$ $\frac{366,8}{120,6}$ $\frac{d}{g} = 372,3$

$$\frac{235,2}{120,6} \text{ an. } \frac{\delta}{g} = 0,6496$$

Arum $\begin{cases} S = \\ \delta a = 249,6 \\ F = 250,5 \end{cases}$

$Z = 44,2$

Arum fel $\begin{cases} S = 68,1 \\ \delta a = 120,3 \\ F = 144,5 \end{cases}$ $g = 0,686$

$$\frac{355,0}{144,5} \quad \delta = 165,6 \quad \frac{\delta}{g} = 241,4$$

$$\frac{210,5}{144,5}$$

Arum le $\begin{cases} S = 67,65 \\ \delta a = 276,2 \\ F = 355,0 \end{cases}$ $\frac{376,2}{120,3}$ $\frac{d}{g} = 370,7$

$$\frac{255,2}{120,3} \text{ an. } 254,3 = d$$

$$\frac{\delta}{g} = 0,6512$$

Arum $\begin{cases} \delta a = 249,0 \\ F = 250,2 \end{cases}$

$Z = 40,75$

Arum $\begin{cases} \delta a = 249,0 \\ F = 250,2 \end{cases}$

Arum fel $\begin{cases} S = 65,9 \\ \delta a = 124,2 - 124,5 \\ F = 148,5 \end{cases}$ $g = 0,664$

$$\frac{351,0}{148,5} \quad \delta = 159,4 \quad \frac{\delta}{g} = 240,1$$

$$\frac{202,5}{148,5}$$

Arum le $\begin{cases} S = 65,7 \\ \delta a = 372,7 \\ F = 351,0 \end{cases}$ $\frac{372,7}{124,4}$ $\frac{d}{g} = 377,8$

$$\frac{278,3}{124,4} \text{ an. } 246,9 = d$$

$$\frac{\delta}{g} = 0,6452$$

Arum $\begin{cases} \delta a = 249,3 \\ F = 250,2 \end{cases}$

$$\underline{Z = 30,26 \text{ c.}}$$

$$\text{Arum } \left\{ \begin{array}{l} \text{Da} = 249,2 \\ F = 250,0 \end{array} \right. \quad g = 0,669$$

$$\text{Arum fel } \left\{ \begin{array}{l} S = 66,6 \\ \text{Da} = 122,2 \\ F = 166,0 \end{array} \right. \quad \begin{array}{l} 322,8 \\ 166,0 \\ \hline 167,8 \end{array} \quad \begin{array}{l} \gamma = 102,2 \\ \\ \end{array} \quad \begin{array}{l} \frac{\delta}{g} = 197,6 \\ \\ \end{array}$$

$$\text{Arum le } \left\{ \begin{array}{l} S = 66,0 \\ \text{Da} = 272,1 \\ F = 222,8 \end{array} \right. \quad \begin{array}{l} 372,1 \\ 122,2 \\ \hline 249,9 \end{array} \quad \begin{array}{l} \\ \\ \text{Car. } 248,5 \end{array} \quad \begin{array}{l} \frac{d}{g} = 371,4 \\ \\ \frac{\delta}{d} = 0,5320 \end{array}$$

$$\underline{Z = 26,23 \text{ c.}}$$

$$\text{Arum } \left\{ \begin{array}{l} \text{Da} = 248,8 \\ F = 250,6 \end{array} \right. \quad g = 0,674$$

$$\text{Arum fel } \left\{ \begin{array}{l} S = 67,1 \\ \text{Da} = 122,0 \\ F = 178,6 \end{array} \right. \quad \begin{array}{l} 121,6 \\ 322,1 \\ 178,6 \\ \hline 143,5 \end{array} \quad \begin{array}{l} \gamma = 113,1 \\ \\ \end{array} \quad \begin{array}{l} \frac{\delta}{g} = 167,8 \\ \\ \frac{d}{g} = 372,1 \end{array}$$

$$\text{Arum le } \left\{ \begin{array}{l} S = \cancel{277,2} 66,5 \\ \text{Da} = 374,2 \\ F = 222,1 \end{array} \right. \quad \begin{array}{l} 274,2 \\ 122 \\ \hline 252,2 \end{array} \quad \begin{array}{l} \\ \\ \text{Car. } 250,8 \end{array} \quad \begin{array}{l} \frac{\delta}{d} = 0,4509 \end{array}$$

$$\underline{Z = 20,10}$$

$$\text{Arum } \left\{ \begin{array}{l} \text{Da} = 250,6 \\ F = 250,5 \end{array} \right. \quad g = 0,667$$

$$\text{Arum fel } \left\{ \begin{array}{l} S = 67,0 \\ \text{Da} = 122,2 \\ F = 199,7 \end{array} \right. \quad \begin{array}{l} 300,0 \\ 199,7 \\ \hline 100,3 \end{array} \quad \begin{array}{l} \gamma = 79,1 \\ \\ \end{array} \quad \begin{array}{l} \frac{\delta}{g} = 118,7 \\ \\ \frac{d}{g} = 272,0 \end{array}$$

$$\text{Arum le } \left\{ \begin{array}{l} S = 65,2 \\ \text{Da} = 372,4 \\ F = 300,0 \end{array} \right. \quad \begin{array}{l} 372,4 \\ 122,2 \\ \hline 250,2 \end{array} \quad \begin{array}{l} \\ \\ \text{Car. } 248,8 \end{array} \quad \frac{\delta}{d} = 0,3180$$

$$Z = 14,45 \text{ C.}$$

$$\text{Üres} \begin{cases} \delta a = 250,2 \\ F = 250,6 \end{cases} \quad g = 0,680$$

$$\text{Arany fel} \begin{cases} S = 67,7 \\ \delta a = 121,0 \\ F = 219,2 \end{cases} \quad \begin{array}{r} 281,8 \\ 219,2 \\ \hline 62,6 \end{array} \quad \gamma = 49,3 \quad \frac{x}{z} = 72,50$$

$$\frac{d}{z} = 372,6$$

$$\text{Arany le} \begin{cases} S = 67,0 \\ \delta a = 120,8 \\ F = 219,2 \end{cases} \quad \begin{array}{r} 375,8 \\ 121 \\ \hline 254,8 \end{array} \quad \text{am } 253,4$$

$$\frac{x}{z} = 0,15900$$

$$\frac{d}{z} = 0,1946$$

$$Z = 10,19 \text{ C.}$$

$$\text{Üres} \begin{cases} \delta a = 250,2 \\ F = 250,2 \end{cases}$$

$$\text{Arany fel} \begin{cases} S = 67,6 \\ \delta a = 120,8 \\ F = 231,6 \end{cases} \quad g = 0,680$$

$$\begin{array}{r} 268,6 \\ 231,6 \\ \hline 37,0 \end{array} \quad \gamma = 29,2$$

$$\text{Arany le} \begin{cases} S = 67,0 \\ \delta a = 376,2 \\ F = 268,6 \end{cases} \quad \begin{array}{r} 376,2 \\ 120,8 \\ \hline 255,4 \end{array} \quad \text{am } 254,0$$

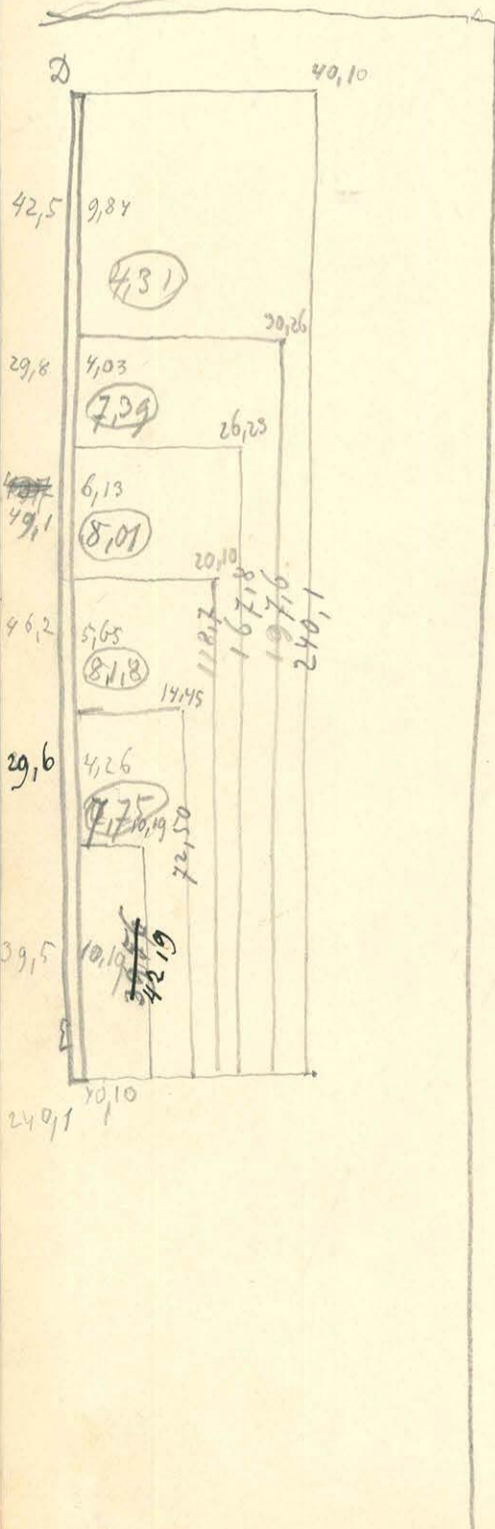
$$Z = 0$$

$$\text{Üres} \begin{cases} \delta a = 248,7 \\ F = 254,2 \end{cases}$$

$$\text{Arany fel} \begin{cases} S = 67,0 \\ \delta a = 121,3 \\ F = 253,3 \end{cases} \quad 253,1$$

$$\text{Arany le} \begin{cases} S = 67,0 \\ \delta a = 375,8 \\ F = 255,4 \end{cases} \quad 255,4$$

$$\text{Üres } F = 254,2$$



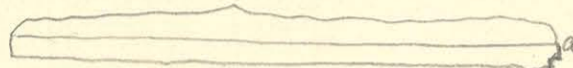
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B.M. 8
 Szeptember 13
 96

Diólekta rólra fent 29,7 mm.
 lent 29,5 mm. 30 mm.

Ádámjéké kis déli polusos mágnes.

hossza kör-hossz 21 C.
 hossza ^{a-g} hossz = 21,19 Csm.



Törött nyez lefélé.

$Z = -\infty$ (a mágnes nincs utk.)

Ures 253,1

Áram fel $\begin{cases} F = 252,8 \\ S = 90,0 \end{cases}$ Áram le $\begin{cases} F = 252,9 \\ S = 90,0 \end{cases}$

$Z_a = 11,65$ ($Z_b = 11,31$)

Ures	$F = 253,2$	253,1	253,0	253,0
Áram fel	$\begin{cases} F = 253,5 \\ S = 89,1 \end{cases}$	253,3	253,3	253,3
Áram le	$\begin{cases} F = 252,8 \\ S = 88,5 \end{cases}$	253,0	252,9	252,9

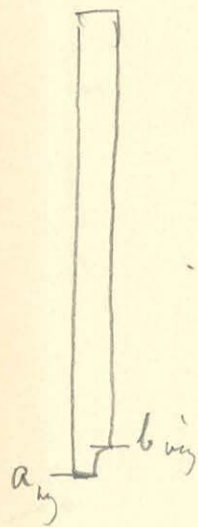
$Z_a = 53,12$

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Ures	$F = 253,1$	253,0	252,9
Áram fel	$\begin{cases} F = 252,6 \\ S = 88,3 \end{cases}$	252,5	252,5
Áram le	$\begin{cases} F = 254,0 \\ S = 87,9 \end{cases}$	253,8	253,7

$Z_a = 10,04$

Ures	$F = 252,9$	253,0
Áram fel	$\begin{cases} F = 253,2 \\ S = 88,0 \end{cases}$	253,2
Áram le	$\begin{cases} F = 253,1 \\ S = 87,9 \end{cases}$	253,1



Grötkäval megvältoytetön

Leik²in leik 15 ~~17~~ m.m.

Z_a = 10,04

Ääres	= 247,0	247,5	247,7
Ääres jät	{ F = 249,4	249,6	249,9
	{ S = 90,3 } 3,9	90,1	{ 4,0 91,0 } 3,9
Ääres le	{ F = 245,5	245,6	246,0
	{ S = 90,0	90,9	90,9

Z = 41,87

Ääres	= 248,0	248,0	248,0
Ääres jät	{ F = 247,6	247,4	247,5
	{ S = 91,1 } 1,2	91,2	{ 1,4 91,2 } 1,4
Ääres le	{ F = 248,8	248,8	248,9
	{ S = 91,1	91,0	91,0

Z = -50 kuin

Ääres	= 248,1	248,1	248,1
Ääres jät	{ F = 247,8	247,8	248,0
	{ S = 90,1 } 0,8	91,2	{ 0,9 91,1 } 0,7
Ääres le	{ F = 248,6	248,7	248,7
	{ S = 90,1	91,0	91

Käs muuttam ~~leik~~ ^{leik} jätösä leik.

Ulygany a magues

A Druk fut 6,2 lent 15. m. m.

a magues be van gyitva a Drukert's köze.

$Z = 10,45$

Üres	F = 241,8	239,5	239,3	239,6	
Áram fel	F = 244,5	245,5	245,5	245,5	
	S = 98,0	9,6	98	11,3	98	} 11,0 kö 11,0
Áram le	F = 234,9	234,2	234,5	234,5	
	S = 98,0	98	98	98	

~~Z = 5,79~~ $Z = 5,29$

Üres	F = 250,9	251,5	251,6			
Áram fel	F = 256,7	256,4	256,5			
	S = 98,0	6,2	97	15,9	97	15,3	Közp 5,8
Áram le	F = 250,5	250,5	251,2			
	S = 97	97	97			

$Z = 0$

Üres F =

Áram fel { F =
 S =

Áram le { F =
 S =

B. B. M. G.

December 14

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A felfüggesztés forgás momentumának meghatározása.

felfüggesztés súlya = 13,06 gr = m +

elliptikus drótkerék egy kint $M = 1,27$ gr.

A felfüggesztés hossza = 107,3 c.

Drótkerék távolsága felül a alul a'

terjesztés közele.

~~a = 0,83~~ $a = 0,83$ } $T' = 1,9145$ Drótkerék súlypontjának távolsága $s' = 0,61$
 $a' = 0,82$ }

$b = 3,08$ } $T = 0,8415$ Drótkerék súlypontjának távolsága $s = 1,17$
 $b' = 3,00$ }

T egyenlőségét csak mégis forgás momentum.

K a felfüggesztés tehetetlensége a drótkerék ~~tehetetlensége~~ ^{súlypontjának} tehetetlenségével.

$$T + \frac{bb'}{4h} mg = \pi^2 \frac{K + 2ps^2}{T'^2}$$

$$T + \frac{aa'}{4h} mg = \pi^2 \frac{K + 2ps^2}{T^2}$$

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$$T T'^2 + \frac{bb'}{4h} mg T'^2 - T T^2 - \frac{aa'}{4h} mg T^2 = 2ps^2 (T'^2 - T^2)$$

$$T = \frac{2ps^2 (T'^2 - T^2) - \frac{mg}{4h} (bb' T'^2 - aa' T^2)}{T'^2 - T^2}$$

$$\log \frac{mg}{4h} = 1,4944600 \quad \frac{mg}{4h} = 31,222$$

$$T = 38,782$$

unifiliárisan T kb. 32,

$$f = 38,782 + aa' \cdot 31,222$$

i. anyagokból

ha $a = 3$ és $a' = 2$ akkor

$$f = 319,78$$

$$M = \frac{18}{2i} \cdot c \cdot d$$

d = egy peremű ívelték $d = 0,0002909$

$$c = fh \quad f = 319,78 \quad h = 107,3 \quad c = 34313$$

$$M = 49,905 \frac{g}{i} \quad \text{az } 49,905 = 1,6981471$$

Körül = 50.4

80 Centimeter kasseri Kiechgeres mager massa = 80,11c.

Älmörö 1c. Eraki pulus lent

z = 94,93

Älves F = 250,1

Älves fel { F = 47,9
 S = 46,9

i = 0,475

453,2
47,9
405,3 a = 0,4 409,9

$\frac{\gamma}{i} = \frac{665}{0,475} = 1399,1$

Älves le { F = 453,2
 S = 47,1

$\gamma = 315,9$

Älves F = 250,3

Mager Kämm z = -∞

Älves F = 248,0

Älves fel { F = 247,8
 S = 48,6

Corr. 0,4

Älves le { F = 248,2
 S = 48,6

z = 33,26

Älves F = 247,9

i = 0,498

Älves fel { F = 166,2
 S = 49,4

329,0
166,2
162,8 a = 162,4

$\frac{\gamma}{i} = 256,8$

Älves le { F = 329,0
 S = 49,2

$\gamma = 127,9$

2,11c

Z = 40,30

Wres F = 248,0 i = 0,504

Arum fel	{	F = 141,3	354,1	141,3	212,8	ans. 212,4	$\frac{\delta}{i} = 331,5$
		G = 49,9					

Arum le	{	F = 354,1	$\delta = 167,1$
		G = 49,9	

Z = 48,37

Wres F = 247,6

Arum fel	{	F = 111,4	384,9	111,4	273,5	ans. 270,1	$\frac{\delta}{i} = \frac{419,5}{\cancel{327,5}}$
		G = 50,7					

Arum le	{	F = 384,9	$\delta = \frac{215,2}{\cancel{194,4}}$
		G = 51,0	

Z = 40,10

Wres F = 248,2 i = 0,500

Arum fel	{	F = 141,8	352,4	141,8	210,6	ans. 210,4	$\frac{\delta}{i} = 331,0$
		G = 50,0					

Arum le	{	F = 352,4	$\delta = 165,5$
		G = 49,1	

Z = 35,98

Wres F = 248,3 i = 0,546

Arum fel	{	F = 148,8	347,6	148,8	198,8	ans. 198,4	$\frac{\delta}{i} = 286,1$
		G = 54,0					

Arum le	{	F = 347,6	$\delta = 156,2$
		G = 54,2	

$$\underline{Z = 24,14}$$

$$\text{Árves } F = 248,3 \quad i = 0,548$$

$$\text{Áram fel } \begin{cases} F = 191,6 \\ G = 54,4 \end{cases} \quad \begin{array}{r} 304,6 \\ 191,6 \\ \hline 113,0 \end{array} \quad \text{am. } 112,6 \quad \frac{\delta}{i} = 162,4$$

$$\text{Áram fel } \begin{cases} F = 304,6 \\ G = 54,2 \end{cases} \quad \delta = 88,8$$

$$\underline{Z = 16,32}$$

$$\text{Árves } F = 248,5 \quad i = 0,546$$

$$\text{Áram fel } \begin{cases} F = 217,3 \\ G = 54,3 \end{cases} \quad \begin{array}{r} 279,5 \\ 217,3 \\ \hline 62,2 \end{array} \quad \text{am. } 61,8 \quad \frac{\delta}{i} = 89,2$$

$$\text{Áram le } \begin{cases} F = 279,5 \\ G = 53,9 \end{cases} \quad \delta = 48,7$$

$$\underline{Z = 8,31 \text{ C.}}$$

$$\text{Árves } F = 248,6 \quad i = 0,543$$

$$\text{Áram fel } \begin{cases} F = 238,0 \\ G = 53,8 \end{cases} \quad \begin{array}{r} 259,1 \\ 238,0 \\ \hline 21,1 \end{array} \quad \text{am. } 20,7 \quad \frac{\delta}{i} = 30,7$$

$$\text{Áram le } \begin{cases} F = 259,1 \\ G = 53,8 \end{cases} \quad \delta = 16,7$$

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$$\underline{Z = 4,05}$$

$$\text{Árves } F = 248,6 \quad i = 0,544$$

$$\text{Áram fel } \begin{cases} F = 244,8 \\ G = 53,9 \end{cases} \quad \begin{array}{r} 252,3 \\ 244,8 \\ \hline 7,5 \end{array} \quad \text{am. } 7,1 \quad \frac{\delta}{i} = 10,3$$

$$\text{Áram le } \begin{cases} F = 252,3 \\ G = 53,9 \end{cases} \quad \delta = 5,61$$

B.M. 10.

~~z = 247,7~~
z = 2,87

Árves F = 248,5 i = 0,546

Áram fel } F = 246,0
 } S = 54,1 $\frac{251,0}{246,0} = \frac{5,0}{5,0}$ Ann. 4,6

$\frac{y}{i} = 6,5$

Áram le } F = 251,0
 } S = 54,1 y = 2,63

z = 1,44

Árves F = 248,8 i = 0,546

Áram fel } F = 247,2
 } S = 54,1 $\frac{247,2}{250,1} = \frac{2,9}{2,9}$ Ann. 2,5

$\frac{y}{i} = 2,6$

Áram le } F = 250,1
 } S = 54,1 y = 2,00

z = 0

Árves F = ~~248,5~~ 248,7 i = 0,546

Áram fel } F = 247,9
 } S = ~~54,1~~ 54,1 $\frac{249,5}{247,9} = \frac{1,6}{1,6}$ Ann. 1,2

$\frac{y}{i} = 1,6$

Áram le } F = 249,5
 } S = 54,1 y = 0,9

z = -10

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Árves F = 248,7

Áram fel } F = ~~248,8~~ 248,2
 } S = 54,0

Áram le } F = 248,9
 } S = 54

$\frac{248,9}{248,2} = \frac{0,7}{0,7}$

$$\underline{\underline{Z = 56,86}}$$

$$\text{Übers } F = 248,4$$

$$i = 0,547$$

$$\text{Arum fel } \begin{cases} F = 73,3 \\ G = 54,2 \end{cases}$$

$$\begin{array}{r} 422,0 \\ 73,3 \\ \hline 348,7 \text{ an } 348,3 \end{array}$$

$$\frac{Y}{i} = \frac{498,2}{0,547}$$

$$\text{Arum le } \begin{cases} F = 422,0 \\ G = 53,9 \end{cases}$$

$$\cancel{144,5} \quad Y = 272,5$$

$$\underline{\underline{Z = 64,51}}$$

$$\text{Übers } = 247,0$$

$$\text{Arum fel } \begin{cases} F = 55,5 \\ G = 53,9 \end{cases}$$

$$i = 0,582$$

$$\begin{array}{r} 437,9 \\ 55,5 \\ \hline 382,4 \text{ an } 382,0 \end{array}$$

$$\frac{Y}{i} = \frac{550,5}{0,582}$$

$$\text{Arum le } \begin{cases} F = 437,9 \\ G = 53,5 \end{cases}$$

$$Y = 298,4$$

$$\underline{\underline{Z = 72,80}}$$

$$\text{Übers } F = 246,7$$

$$i = 0,537$$

$$\text{Arum fel } \begin{cases} F = 36,3 \\ G = 53,2 \end{cases}$$

$$\begin{array}{r} \cancel{246,7} \\ 456,5 \\ 36,3 \\ \hline 420,2 \text{ an } 419,8 \end{array}$$

$$\frac{Y}{i} = 609,3$$

$$\text{Arum le } \begin{cases} F = 456,5 \\ G = 53,1 \end{cases}$$

$$Y = 327,2$$

$$\underline{\underline{Z = 80,26}}$$

$$\text{Übers } F = 247,0$$

$$i = 0,531$$

$$\text{Arum fel } \begin{cases} F = 28,2 \\ G = 52,9 \end{cases}$$

$$\begin{array}{r} 463,7 \\ 28,2 \\ \hline 435,5 \end{array}$$

$$\frac{Y}{i} = 638,8$$

$$\text{Arum le } \begin{cases} F = 463,7 \\ G = 52,3 \end{cases}$$

$$Y = 339,2$$

$$\underline{\underline{Z = 94,8}}$$

lives $F = 247,0$

$$i = 0,534$$

Arvan fel $\begin{cases} F = 23,1 \\ S = 53,0 \end{cases}$

$$\begin{array}{r} 468,2 \\ - 23,1 \\ \hline 445,1 \text{ Ann. } 444,7 \end{array}$$

$$\frac{\gamma}{i} = 648,3$$

Arvan le $\begin{cases} F = 468,2 \\ S = 52,8 \end{cases}$

$$\gamma = 346,2$$

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uzgany

lives $F = 247,0$

$$i = 0,474$$

Arvan fel $\begin{cases} F = 50,2 \\ S = 47,2 \end{cases}$

$$\begin{array}{r} 441,0 \\ - 50,2 \\ \hline 390,8 \text{ Ann. } 390,4 \end{array}$$

$$\frac{\gamma}{i} = 643,0$$

Arvan le $\begin{cases} F = 441,0 \\ S = 46,5 \end{cases}$

$$\gamma = 304,8$$

$$\underline{\underline{Z = 107,0}}$$

lives = $F = 247,0$

$$i = \cancel{0,474} \\ i = 0,477$$

Arvan fel $\begin{cases} F = 48,1 \\ S = 47,2 \end{cases}$

$$\begin{array}{r} 445,1 \\ - 48,1 \\ \hline 397,0 \text{ Ann. } 396,6 \end{array}$$

$$\frac{\gamma}{i} = 649,0$$

Arvan le $\begin{cases} F = 445,1 \\ S = 47,1 \end{cases}$

$$\gamma = 309,6$$

$$Z = 84,56$$

$$i = 0,479$$

lives $F = 247,0$

Arvan fel $\begin{cases} F = 51,8 \\ S = 47,4 \end{cases}$

$$\begin{array}{r} 442,2 \\ - 51,8 \\ \hline 390,4 \text{ Ann. } 390 \\ \gamma = 302,5 \end{array}$$

$$\frac{\gamma}{i} = 635,7$$

Arvan le $\begin{cases} F = 442,2 \\ S = 47,5 \end{cases}$

B.M. II. 160 Centiméter hosszú körhengeres mágnes

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Ercséli palotya lent.

a mágnes hossza = 160,40

1 galvannomites vonaligony, eddig volt $0,0107 \text{ A}$. $S_{\text{huzal}} = 10 \text{ Ohm}$
 a Kövvelkizs kben 1 vonaligony = $0,003400 \text{ A}$. $S_{\text{huzal}} = 30 \text{ Ohm}$

Z = 98,2 C.

Áram fel $\begin{cases} F = 39,0 & g = 96,6 & i = 0,0016 \\ g = 96,2 & 469,6 \end{cases}$

$\frac{g}{i} = 1070,7$

Áram le $\begin{cases} F = 469,6 & 420,6 \text{ c. } 400,2 \\ g = 97,0 & g = 075,2 \end{cases}$

Üres F = 250,3

Z = 80,48

Üres F = 250,5

Áram fel $\begin{cases} F = 74,3 & g = 102,95 & i = 0,3535 \\ g = 103,1 & 472,0 \end{cases}$

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$\frac{g}{i} = 790,7$

Áram le $\begin{cases} F = 472,0 & 357,7 \text{ c. } 357,3 \\ g = 102,8 & g = 279,5 \end{cases}$

Z = 88,20

Üres F = 250,5

Áram fel $\begin{cases} F = 53,1 & g = 103,2 & i = 0,3543 \\ g = 103,3 & 453,5 \end{cases}$

$\frac{g}{i} = 881,2$

Áram le $\begin{cases} F = 453,5 & 400,4 \text{ c. } 400,0 \\ g = 103,1 & g = 312,2 \end{cases}$

$$\underline{\underline{Z = 72,3}}$$

$$\ddot{M}_{res} = 253,5$$

$$g = 100,75 \quad i = 0,3458$$

$$\text{Arum sel} \begin{cases} F = 98,5 \\ S = 101,3 \end{cases}$$

$$\frac{406,9}{98,5} \quad \text{an } 308$$

$$\frac{g}{i} = 698,4$$

$$\text{Arum le} \begin{cases} F = 406,9 \\ S = 100,2 \end{cases}$$

$$g = 241,5$$

$$\underline{\underline{Z = 98,45}}$$

$$\ddot{M}_{res} = 253,5$$

$$g = 96,8 \quad i = 0,3324$$

$$\text{Arum sel} \begin{cases} F = 37,4 \\ S = 97,0 \end{cases}$$

$$\frac{469,5}{37,4} \quad \text{an } 431,7$$

$$\frac{g}{i} = 1011,4$$

$$\text{Arum le} \begin{cases} F = 469,5 \\ S = 96,6 \end{cases}$$

$$g = 336,3$$

$$\underline{\underline{Z = 64,11}}$$

$$\ddot{M}_{res} = 254,0$$

$$g = 105,55 \quad i = 0,3623$$

$$\text{Arum sel} \begin{cases} F = ~~25~~ 114,0 \\ S = 106,0 \end{cases}$$

$$\frac{393,7}{114,0} \quad \text{an } 279,3$$

$$\frac{g}{i} = 605,3$$

$$\text{Arum le} \begin{cases} F = 393,7 \\ S = 105,1 \end{cases}$$

$$g = 219,3$$

Delis jorken lens

$Z = 96,54$

$\ddot{N}_{over} F = 255,5 \quad g = 104,9 \quad i = 0,0602$

Armen fel $\left\{ \begin{array}{l} F = 510,2 \\ G = 104,9 \end{array} \right.$ $\frac{510,2}{0,3} \text{ Ans } 509,9$ $\frac{\delta}{i} = 1096,3$

Armen le $\left\{ \begin{array}{l} F = 0,3 \\ G = 104,9 \end{array} \right.$ $\delta = 394,9$

$Z = 88,94$

$\ddot{N}_{over} = 255,7 \quad g = 105 \quad i = 0,3605$

Armen fel $\left\{ \begin{array}{l} F = 489,5 \\ G = 104,9 \end{array} \right.$ $\frac{489,5}{21,9} \text{ Ans } 467,6$ $\frac{\delta}{i} = \frac{1007,5}{0,1}$

Armen le $\left\{ \begin{array}{l} F = 21,9 \\ G = 105,0 \end{array} \right.$ $\delta = 363,2$

$Z = 80,45$

$\ddot{N}_{over} = 255,7 \quad g = 105,7 \quad i = 0,2629$

Armen fel $\left\{ \begin{array}{l} F = 469,0 \\ G = 105,9 \end{array} \right.$ $\frac{469,0}{43,1} \text{ Ans } 425,9$ $\frac{\delta}{i} = 911,5$

Armen fel $\left\{ \begin{array}{l} F = 43,1 \\ G = 105,5 \end{array} \right.$ $\delta = 330,8$

$Z = 73,16$

$\ddot{N}_{over} = 255,9 \quad g = 105,5 \quad i = 0,2623$

Armen fel $\left\{ \begin{array}{l} F = 448,3 \\ G = 105,5 \end{array} \right.$ $\frac{448,3}{64,0} \text{ Ans } 284,0$ $\frac{\delta}{i} = 828,0$

Armen le $\left\{ \begin{array}{l} F = 64,0 \\ G = 105,5 \end{array} \right.$ $\delta = 200,0$

$$\underline{Z = 64,39}$$

$$\text{Árny } F = 255,8$$

$$\text{Árny fel} \begin{cases} F = 421,7 \\ G = 105,3 \end{cases} \quad \begin{array}{l} g = 105,3 \\ 421,7 \\ \frac{90,1}{331,6} \text{ Árny. } 331,2 \end{array} \quad i = 0,2616$$

$$\frac{X}{i} = 717,6$$

$$\text{Árny le} \begin{cases} F = 90,1 \\ G = 105,3 \end{cases} \quad \gamma = 259,5$$

$$\underline{Z = 58,20}$$

290
227,5¹⁷

$$\text{Árny } F = 255,6$$

$$\text{Árny fel} \begin{cases} F = 402,3 \\ G = 105,3 \end{cases} \quad \begin{array}{l} g = 105,5 \\ 402,3 \\ \frac{108,6}{293,7} \text{ Árny. } 293,4 \end{array} \quad i = 0,3623$$

$$\frac{X}{i} = 635,1$$

$$\text{Árny le} \begin{cases} F = 108,6 \\ G = 105,7 \end{cases} \quad \gamma = 230,1$$

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$$\underline{Z = 48,35}$$

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$$\text{Árny } F = 252,5$$

$$\text{Árny fel} \begin{cases} F = 355,5 \\ G = 96,8 \end{cases} \quad \begin{array}{l} g = 96,8 \\ 355,5 \\ \frac{149,4}{206,1} \text{ Árny. } 205,7 \end{array} \quad i = 0,3324$$

$$\frac{X}{i} = 486,5$$

$$\text{Árny le} \begin{cases} F = 149,4 \\ G = 96,7 \end{cases} \quad \gamma = 161,7$$

$$\underline{Z = 40,12}$$

$$\text{Árny } F = 252,5$$

$$\begin{cases} F = 331,6 \\ G = 96,8 \end{cases} \quad \begin{array}{l} g = 96,65 \\ 331,6 \\ \frac{173,4}{158,2} \text{ Árny. } 157,8 \end{array} \quad i = 0,3319$$

$$\frac{X}{i} = 374,5$$

$$\begin{cases} F = 173,4 \\ G = 96,5 \end{cases} \quad \gamma = 124,3$$

B. M. 12.

Z = 32,05

Dec. 16
96

liras = 252,5

Arany fel

$\begin{cases} F = 309,0 \\ G = 96,0 \end{cases}$

$g = 9775 \quad i = 0,2256$

$\frac{g}{i} = 264,0$

$\begin{array}{r} 309,0 \\ 196,2 \\ \hline 112,8 \text{ Cor. } 112,4 \end{array}$

Arany le

$\begin{cases} F = 196,2 \\ G = 95,5 \end{cases}$

$g = 88,6$

Z = 24,62

liras = 249,4

Arany fel

$\begin{cases} F = 287,7 \\ G = 95,9 \end{cases}$

$g = 95,95 \quad i = 0,2294$

$\frac{g}{i} = 182,4$

$\begin{array}{r} 287,7 \\ 211,1 \\ \hline 76,6 \text{ Cor. } 76,2 \end{array}$

Arany le

$\begin{cases} F = 211,1 \\ G = 96,0 \end{cases}$

Z = 16,26

liras = 249,7

$g = 97,6 \quad i = 0,2251$

Arany fel

$\begin{cases} F = 270,7 \\ G = 98,1 \end{cases}$

$\begin{array}{r} 270,7 \\ 229,1 \\ \hline 41,6 \text{ Cor. } 41,2 \end{array}$

$g = 32,6$

$\frac{g}{i} = 97,0$

Arany le

$\begin{cases} F = 229,1 \\ G = 97,1 \end{cases}$

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Z = 7,93

liras = 245,6

$g = 99,0 \quad i = 0,740$

Arany fel

$\begin{cases} F = 252,3 \\ G = 99,0 \end{cases}$

$\begin{array}{r} 252,3 \\ 239,0 \\ \hline 13,3 \end{array}$

$g = 10,2$

$\frac{g}{i} = 30,9$

Arany le

$\begin{cases} F = 239,0 \\ G = 98,9 \end{cases}$

Exercițiul pentru anul.

Dec. 16
Calculul

Z = 95,98

U_{max} = 239,4

Arunc. fel { F = 19,5
 S = 103,7

g = 103,55 i = 0,2556

$\frac{g}{i} = 957,6$

$\frac{457,2}{19,5}$
 $\frac{457,2}{437,7}$ An. 427,13

Arunc. entel. An. 980,0

Arunc. le. { F = 457,2
 S = 103,4

g = 240,5

Arunc. sursoi 1,024

Z = 80,56

U_{max} = 240,0

Arunc. fel { F = 66,1
 S = 102,9

g = 102,6 i = 0,3523

$\frac{g}{i} = \frac{767,5}{1,0319}$

$\frac{412,2}{66,1}$
 $\frac{412,2}{346,1}$ An. 345,7

Arunc. le. { F = 412,2
 S = 102,3

g = 270,4

Arunc. entel. An. 917

Arunc. sursoi 1,0315

Z = 64,15

U_{max} = 239,8

Arunc. fel { F = 109,1
 S = 102,7

g = 102,7 i = 0,2526

$\frac{g}{i} = 580,3$

$\frac{370,0}{109,1}$
 $\frac{370,0}{260,9}$ An. 260,5

Arunc. entel. An. 605,7

Arunc. le. { F = 370,0
 S = 102,7

g = 204,6

Arunc. sursoi 1,044

U_{max} = 240,0

Arunc. fel { F = 108,8
 S = 102,9

g = 102,9

$\frac{370,2}{108,8}$
 $\frac{370,2}{261,4}$ An. 260,0

Arunc. le. { F = 370,2
 S = 102,9

$$Z = 80,27$$

$$\ddot{V} = 240,3$$

$$\text{Arany fel} \begin{cases} F = 66,7 \\ S = 102,9 \end{cases}$$

$$g = 102,75 \quad i = 0,3528$$

$$\begin{array}{r} 410,8 \\ 66,7 \\ \hline 344,1 \end{array} \text{ ar. } 343,7$$

$$\frac{\delta}{i} = 762,2$$

$$\text{nyújtás száma } 788,4 \\ \text{Arany, le } 1,0244$$

$$\text{Arany le} \begin{cases} F = 410,8 \\ S = 102,6 \end{cases}$$

$$\delta = 268,9$$

$$\ddot{V} = 229,4$$

$$\text{Arany, le } 1,033$$

$$\underline{\underline{Z = 53,64}}$$

$$\ddot{V} = 247,1 \quad g = 107,0 \quad i = 0,2467$$

$$\text{Arany fel} \begin{cases} F = 140,7 \\ S = 101,9 \end{cases}$$

$$\begin{array}{r} 343,7 \\ 140,7 \\ \hline 203,0 \end{array} \text{ ar. } 202,6$$

$$\frac{\delta}{i} = 459,8$$

$$\text{Arany le} \begin{cases} F = 343,7 \\ S = 100,0 \end{cases}$$

$$\delta = 159,4$$

$$\text{Arany, le } \frac{\delta}{i} = 475,1$$

$$\underline{\underline{Z = 44,36}}$$

$$\ddot{V} = 242,2$$

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$$\text{Arany fel} \begin{cases} F = 163,2 \\ S = 102,1 \end{cases}$$

$$g = 107,8 \quad i = 0,2495$$

$$\begin{array}{r} 322,4 \\ 163,2 \\ \hline 159,2 \end{array} \text{ ar. } 158,8$$

$$\frac{\delta}{i} = 266,2$$

$$\text{Arany le} \begin{cases} F = 322,4 \\ S = 101,5 \end{cases}$$

$$\delta = 127,0$$

$$\text{Arany, le } 378,4$$

$$\underline{\underline{Z = 32,10}}$$

$$\ddot{V} = 242,2$$

$$g = 107,8 \quad i = 0,2495$$

$$\text{Arany fel} \begin{cases} F = 192,2 \\ S = 102,3 \end{cases}$$

$$\begin{array}{r} 293,7 \\ 192,2 \\ \hline 101,5 \end{array} \text{ ar. } 101,1$$

$$\frac{\delta}{i} = 228,3$$

$$\text{Arany, le } = 235,9$$

$$\text{Arany le} \begin{cases} F = 293,7 \\ S = 101,2 \end{cases}$$

$$\delta = 79,8$$

B.M. 13.

Z = 24,46

$\ddot{V}_{ins} = 243,1 \quad g = 100,2 \quad i = 0,344$

Áram fel $\left\{ \begin{array}{l} F = 209,1 \\ S = 101,8 \end{array} \right.$

$\frac{276,5}{209,1} \text{ Curr. } 67,0$

$\frac{g}{i} = 153,5$

Curr. 158,6

Áram le $\left\{ \begin{array}{l} F = 276,5 \\ S = 98,5 \end{array} \right.$

$g = 52,8$

Z = 16,25

$\ddot{V}_{ins} = 242,6$

$g = 100 \quad i = 0,343$

Áram fel $\left\{ \begin{array}{l} F = 225,4 \\ S = 101,9 \end{array} \right.$

$\frac{261,5}{225,4} \text{ Curr. } 35,7$

$\frac{g}{i} = 82,2$

Curr. 84,9

Áram le $\left\{ \begin{array}{l} F = 261,5 \\ S = 99,0 \end{array} \right.$

$g = 28,2$

Z = 7,57

$\ddot{V}_{ins} = 244,4$

$g = 100,2 \quad i = 0,344$

Áram fel $\left\{ \begin{array}{l} F = 238,8 \\ S = 101,8 \end{array} \right.$

$\frac{250,0}{238,8} \text{ Curr. } 10,8$

$\frac{g}{i} = 24,7$

Curr. 25,5

Áram le $\left\{ \begin{array}{l} F = 250,0 \\ S = 98,6 \end{array} \right.$

$g = 8,5$

Z = 0

$\ddot{V}_{ins} = 244,4$

Áram fel $\left\{ \begin{array}{l} F = 243,9 \\ S = 101,8 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 245,0 \\ S = 98,6 \end{array} \right.$

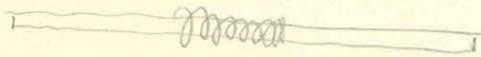
MAGYAR
JUDOMÁTUS AKADÉMIA
KÖNYVTÁRA

December 16

1896

A kossom (1600 c. toni) mignos igra mignoseque a vltatum a mignosego

liberacione elito ubi ada
hippo, qmto ho ignos



allitua ay i ramor mignostellum, dookavol mign teqna

Ezjaki polus dent.

$$Z = 80,96$$

$$\text{Uros } F = 241,1$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 65,4 \\ S = 96,8 \end{array} \right. \quad \begin{array}{l} g = 96,85 \\ 416,5 \\ \underline{65,4} \\ 351,1 \end{array} \quad \begin{array}{l} i = 0,3325 \\ \text{Ans. } 350,7 \end{array} \quad \frac{X}{i} = 825,0$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 416,5 \\ S = 96,9 \end{array} \right. \quad \begin{array}{l} \text{Ans. } 350,7 \\ \gamma = 274'3 \end{array}$$

$$Z = 96,17$$

$$\text{Uros } F = 241,0 \quad g = 96,35 \quad i = 0,3308$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 25,1 \\ S = 95,9 \end{array} \right. \quad \begin{array}{l} 458,1 \\ \underline{25,1} \\ 433,0 \end{array} \quad \begin{array}{l} \text{Ans. } 432,6 \end{array} \quad \frac{X}{i} = 1079,3$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 458,1 \\ S = 96,8 \end{array} \right. \quad \gamma = 337'0$$

$$Z = 64,07$$

$$\text{Uros } F = 260,9$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 131,2 \\ S = 98,0 \end{array} \right. \quad \begin{array}{l} g = 97,9 \\ 390,1 \\ \underline{131,2} \\ 258,9 \end{array} \quad \begin{array}{l} i = 0,3361 \\ \text{Ans. } 258,5 \end{array} \quad \frac{X}{i} = 604,3$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 390,1 \\ S = 97,8 \end{array} \right. \quad \gamma = 203,1$$

$$\underline{Z = 72,51}$$

$$n = 260,2 \quad g = 97,15 \quad i = 0,00005$$

$$\text{Arum fel } \begin{cases} F = 109,4 \\ S = 98,3 \end{cases} \quad \begin{array}{r} 407,5 \\ 109,4 \\ \hline 298,1 \end{array} \quad \text{Ann. } 297,17 \quad \frac{g}{i} = 700,1$$

$$\text{Arum le } \begin{cases} F = 407,5 \\ S = 96,0 \end{cases} \quad \gamma = 233,5$$

Wörtern besess an esen

$$\underline{Z = 88,37}$$

$$n = 252,2$$

$$\text{Arum fel } \begin{cases} F = 43,1 \\ S = 104,3 \end{cases} \quad g = 102,65 \quad i = 0,00025 \quad \frac{g}{i} = 909,5$$

$$\begin{array}{r} 454,5 \\ 43,1 \\ \hline 411,4 \end{array} \quad \text{Ann. } 411,3$$

$$\text{Arum le } \begin{cases} F = 454,5 \\ S = 101,0 \end{cases} \quad \gamma = 320,6$$

$$\underline{Z = 87,07}$$

$$n = 252,2 \quad g = 102,0 \quad i = 0,00002$$

$$F = 70,2 \quad 437,8$$

$$S = 101,2 \quad \begin{array}{r} 70,2 \\ \hline 367,6 \end{array} \quad \text{Ann. } 367,2$$

$$F = 437,8 \quad \gamma = 287,1$$

$$S = 102,9$$

$$\frac{g}{i} = 819,8$$

$$\underline{Z = 95,88}$$

$$n = 252,2 \quad g = 104,4 \quad i = 0,00004$$

$$\text{Arum fel } \begin{cases} F = 18,8 \\ S = 104,4 \end{cases} \quad \begin{array}{r} 485,0 \\ 18,8 \\ \hline 466,2 \end{array} \quad \text{Ann. } 465,8 \quad \frac{g}{i} = 1016,0$$

$$\text{Arum le } \begin{cases} F = 485,0 \\ S = 104,4 \end{cases} \quad \gamma = 362,0$$

$$\underline{Z = 92,18}$$

$$\text{M\u00fas F} = 252,6$$

$$\text{Aram fel} \begin{cases} F = 32,9 \\ G = 103,5 \end{cases} \quad g = 103,5 \quad i = 0,3556$$

$$\begin{array}{r} 471,4 \\ 32,9 \\ \hline 438,5 \end{array} \quad \gamma = 341,2 \quad \frac{\gamma}{i} = 962,3$$

$$\text{Aram le} \begin{cases} F = 471,4 \\ G = 103,5 \end{cases} \quad \text{Ar. } 438,1$$

$$Z = 85,28$$

$$\text{M\u00fas F} = 252,2$$

$$\text{Aram fel} \begin{cases} F = 52,1 \\ G = 103,9 \end{cases} \quad g = 103,9 \quad i = 0,2567$$

$$\begin{array}{r} 452,1 \\ 52,1 \\ \hline 400,0 \end{array} \quad \gamma = 311,9 \quad \frac{\gamma}{i} = 874,4$$

$$\text{Aram le} \begin{cases} F = 452,1 \\ G = 403,9 \end{cases} \quad \text{Ar. } 399,6$$

$$\underline{Z = 76,97}$$

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$$\text{M\u00fas F} = 252,0$$

$$\text{Aram fel} \begin{cases} F = 75,7 \\ G = 104,1 \end{cases} \quad g = 104,25 \quad i = 0,2562$$

$$\begin{array}{r} 429,1 \\ 75,7 \\ \hline 343,4 \end{array} \quad \gamma = 269,0 \quad \frac{\gamma}{i} = 755,0$$

$$\text{Aram le} \begin{cases} F = 429,1 \\ G = 104,4 \end{cases} \quad \text{Ar. } 343,0$$

$$\underline{Z = 68,06}$$

$$\text{M\u00fas F} = 253,0$$

$$\text{Aram fel} \begin{cases} F = 100,6 \\ G = 104,4 \end{cases} \quad g = 104,55 \quad i = 0,3590$$

$$\begin{array}{r} 405,4 \\ 100,6 \\ \hline 304,8 \end{array} \quad \gamma = \frac{220,9}{238,7} \quad \frac{\gamma}{i} = 664,9$$

$$\text{Aram le} \begin{cases} F = 405,4 \\ G = 104,7 \end{cases} \quad \text{Ar. } 304,4$$

B.M. 14.

Z = 60,50

Ármen F = 253,2

g = 104,0 i = 0,2554

Ármen fel { F = 124,6
 g = 104,0

253,2
124,6
128,6
2 x 124,6 = 257,2 corr. 256,8

$\frac{\delta}{i} = 567,5$

Ármen le { F =
 g =

$\gamma = 201,7$

Z = 85,48

Ármen F = 252,6

Ármen fel { F = 51,0
 g = 104,0

g = 104,0 i = 0,25741

$\frac{\delta}{i} = \frac{877,6}{\cancel{877,6}}$

453,0

Ármen le { F = 453,0
 g = 104,0

$\frac{51,0}{402,0}$ corr. 401,6

$\gamma = 313,4$

Z = 81,03

Ármen F 252,8

970 289,2
77

Ármen fel { F = 67,4
 g = 102,9

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Ármen le { F = 437,6
 g = 102,5

nygyany.

Decem. 18

Ármen 252,0

Ármen fel { F = 90,1
 g = 90,1

g = 92,6 i = 0,3145

$\frac{\delta}{i} = 816,5$

418,5

Ármen le { F = 418,5
 g = 93,2

$\frac{90,1}{328,4}$ corr. 328,0

$\gamma = 256,8$

$$\underline{Z = 76,58}$$

$$\ddot{u}_{\overline{25}|} = 252,8$$

$$g = 87,9 \quad i = 0,3018$$

$$\text{Arvon j\u00e4} \begin{cases} F = 112,0 \\ G = 87,0 \end{cases}$$

$$\begin{array}{r} 395,6 \\ 112,0 \\ \hline 283,4 \end{array} \quad \text{Arv. } 283,0$$

$$\frac{\delta}{i} = 735,9$$

$$\text{Arvon k} \begin{cases} F = 395,6 \\ G = 88,8 \end{cases}$$

$$\delta = 222,1$$

$$\underline{Z = 72,51}$$

$$\ddot{u}_{\overline{25}|} = 252,7$$

$$g = 88,4 \quad i = 0,3035$$

$$\text{Arvon j\u00e4} \begin{cases} F = 113,7 \\ G = 88,5 \end{cases}$$

$$\begin{array}{r} 391,0 \\ 113,7 \\ \hline 277,3 \end{array} \quad \text{Arv. } 276,9$$

$$\frac{\delta}{i} = 716,3$$

$$\text{Arvon k} \begin{cases} F = 391,0 \\ G = 88,3 \end{cases}$$

$$\delta = 217,4$$

Seti' paku lent.

$$\underline{\underline{Z = 79,35}}$$

$$\text{Area } F = 258,6$$

$$\text{Area } f \left\{ \begin{array}{l} F = 448,9 \\ S = 99,2 \end{array} \right.$$

$$\text{Area } l \left\{ \begin{array}{l} F = 68,9 \\ S = 99,0 \end{array} \right.$$

$$\underline{\underline{Z = 64,58}}$$

$$\text{Area } F = 258,6$$

$$\text{Area } f \left\{ \begin{array}{l} F = 413,6 \\ S = 100,1 \end{array} \right.$$

$$\text{Area } l \left\{ \begin{array}{l} F = 103,8 \\ S = 100,1 \end{array} \right.$$

B.M. 15

December 18

Kb. 20 Centiméteres kőszívű mész

$hossza = 20,08 \text{ c.}$

$z = 49,44$

$g = 0,0107 \text{ g}$

Árny $F = 258,1$

$i = 0,952$

$$\begin{array}{l} \text{Árny fel} \\ \left\{ \begin{array}{l} F = 237,6 \\ S = 94,6 \end{array} \right. \end{array} \quad \begin{array}{r} 278,8 \\ 237,6 \\ \hline 41,2 \end{array}$$

$$\begin{array}{l} \text{Árny le} \\ \left\{ \begin{array}{l} F = 278,8 \\ S = 94,0 \end{array} \right. \end{array}$$

$z = 20,02$

Árny $F = 256,7$

$$\begin{array}{l} \text{Árny fel} \\ \left\{ \begin{array}{l} F = 257,5 \\ S = 94,3 \end{array} \right. \end{array} \quad \begin{array}{r} 276,2 \\ 257,5 \\ \hline 38,7 \end{array}$$

$i = 0,950$

$$\begin{array}{l} \text{Árny le} \\ \left\{ \begin{array}{l} F = 276,2 \\ S = 93,8 \end{array} \right. \end{array}$$

Árny $257,5$

$z = 9,75$

Árny $= 257,3$

$$\begin{array}{l} \text{Árny fel} \\ \left\{ \begin{array}{l} F = 248,2 \\ S = 94,0 \end{array} \right. \end{array} \quad \begin{array}{r} 266,6 \\ 248,2 \\ \hline 18,4 \end{array}$$

$$\begin{array}{l} \text{Árny le} \\ \left\{ \begin{array}{l} F = 266,6 \\ S = 93,8 \end{array} \right. \end{array}$$

$z = 11,70$

Árny $= 256,9$

$$\begin{array}{l} \text{Árny fel} \\ \left\{ \begin{array}{l} F = 245,2 \\ S = 93,8 \end{array} \right. \end{array} \quad \begin{array}{r} 268,6 \\ 245,2 \\ \hline 23,4 \end{array}$$

$$\begin{array}{l} \text{Árny le} \\ \left\{ \begin{array}{l} F = 268,6 \\ S = 93,1 \end{array} \right. \end{array}$$

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$$\underline{\underline{Z = 7,64}}$$

$$\bar{U}_{\text{mes}} F = 257,0$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 250,9 \\ S = 93,9 \end{array} \right. \quad \begin{array}{r} 264,0 \\ 250,9 \\ \hline 13,1 \end{array}$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 264,0 \\ S = 93,6 \end{array} \right.$$

$$\underline{\underline{Z = 14,96}}$$

$$\bar{U}_{\text{mes}} F = 257,0$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 241,9 \\ S = 93,9 \end{array} \right. \quad \begin{array}{r} 272,8 \\ 241,9 \\ \hline 30,9 \end{array}$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 272,8 \\ S = 93,3 \end{array} \right.$$

$$\underline{\underline{Z = 17,50}}$$

$$\bar{U}_{\text{mes}} = 257,0$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 239,6 \\ S = 92,0 \end{array} \right. \quad \begin{array}{r} 275,0 \\ 239,6 \\ \hline 35,4 \end{array}$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 275,0 \\ S = 92,4 \end{array} \right.$$

$$\underline{\underline{Z = 0}}$$

$$\bar{U}_{\text{mes}} F = 261,4$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 261,0 \\ S = 90 \end{array} \right. \quad \begin{array}{r} 261,0 \\ 261,0 \end{array}$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 262,0 \\ S = 90 \end{array} \right. \quad \begin{array}{r} 262,0 \\ 262,0 \end{array}$$

$$Z = -70,0$$

$$\bar{U}_{res} = 261,2$$

$$\text{Arum fel} \begin{cases} F = 261,15 \\ S = 90 \end{cases}$$

$$\text{Arum le} \begin{cases} F = 261,65 \\ S = 90 \end{cases}$$

Genes 19
96

$$Z = 3,21$$

$$\bar{U}_{res} = 262,2$$

$$\text{Arum fel} \begin{cases} F = 260,6 \\ S = 78,0 \end{cases}$$

$$\text{Arum le} \begin{cases} F = 264,0 \\ S = 78,0 \end{cases}$$

$$Z = 5,69$$

$$\bar{U}_{res} = 262,0$$

$$\text{Arum fel} \begin{cases} F = 258,1 \\ S = 85,0 \end{cases}$$

$$\text{Arum le} \begin{cases} F = 266,0 \\ S = 85,0 \end{cases}$$

Deli jalur test

$$Z = 0$$

$$\bar{U}_{res} = 260,9$$

$$\text{Arum fel } 261,7 \quad \text{Arum le } 260,9 \quad S = 85,0$$

$$Z = 4,25$$

$$\bar{U}_{res} = 261,3$$

$$\text{Arum fel} \begin{cases} F = 263,6 \\ S = 85,9 \end{cases}$$

$$\begin{array}{r} 263,6 \\ 259,2 \\ \hline 4,4 \end{array}$$

$$\text{Arum le} \begin{cases} F = 259,2 \\ S = 85,2 \end{cases}$$

$$\underline{Z = 8,29}$$

$$\ddot{U}res = 261,4$$

$$\text{Áram fel} \begin{cases} F = 267,5 \\ G = 85,9 \end{cases} \quad \begin{array}{r} 267,5 \\ 255,5 \\ \hline 212,0 \end{array}$$

$$\text{Áram le} \begin{cases} F = 250,5 \\ G = 85,0 \end{cases}$$

$$\underline{Z = 12,24}$$

$$\ddot{U}res = 261,4$$

$$\text{Áram fel} \begin{cases} F = 271,8 & 271,8 \\ G = 85,7 & 85,8 \end{cases} \quad \begin{array}{r} 271,8 \\ 251,4 \\ \hline 20,4 \end{array}$$

$$\text{Áram le} \begin{cases} F = 251,4 & 251,4 \\ G = 84,2 & 84,8 \end{cases}$$

$\ddot{U}res =$

$$\underline{Z = 15,90}$$

$$\ddot{U}res = 261,4$$

$$\text{Áram fel} \begin{cases} F = 275,6 & 275,6 \\ G = 87 & 247,3 \end{cases} \quad \begin{array}{r} 275,6 \\ 247,3 \\ \hline 28,3 \end{array}$$

$$\text{Áram le} \begin{cases} F = 247,3 \\ G = 87,2 \end{cases}$$

$$\underline{Z = 20,11}$$

$$\ddot{U}res = 262,6$$

$$\text{Áram fel} \begin{cases} F = 280,6 \\ G = 95,9 \end{cases} \quad \begin{array}{r} 280,6 \\ 244,7 \\ \hline 35,9 \end{array}$$

$$\text{Áram le} \begin{cases} F = 244,7 \\ G = 96,1 \end{cases}$$

B.M. 16

December 19
96 1314 minden korszak g.m. m. átmenőjei anyag
öntök részét vánd.

$$i = 0,0707.g$$

Értekei jótudása leant.

$$Z = 91,65$$

$$\ddot{U}res = 263,3$$

$$g = 49,95 \quad i = 0,5045$$

$$\text{Áram fel} \begin{cases} F = 13,9 \\ g = 50,3 \end{cases}$$

$$\begin{array}{r} 511,0 \\ 13,9 \\ \hline 497,1 \end{array} \quad \gamma = 385,3$$

$$\frac{\gamma}{i} = 763,5$$

$$\text{Áram le} \begin{cases} F = 511,0 \\ g = 49,6 \end{cases}$$

$$Z = 78,34$$

$$\ddot{U}res = 263,4$$

$$\text{Áram fel} \begin{cases} F = 57,8 \\ g = 49,9 \end{cases}$$

$$g = 49,6 \quad i = 0,5010$$

$$\begin{array}{r} 467,3 \\ 57,8 \\ \hline 409,5 \end{array} \quad \gamma = 319,1$$

$$\frac{\gamma}{i} = 636,9$$

$$\text{Áram le} \begin{cases} F = 467,3 \\ g = 49,3 \end{cases}$$

$$Z = 66,32$$

$$\ddot{U}res = 263,5$$

$$\text{Áram fel} \begin{cases} F = 93,1 \\ g = 50,4 \end{cases}$$

$$g = 49,7 \quad i = 0,502$$

$$\begin{array}{r} 429,8 \\ 93,1 \\ \hline 336,7 \end{array} \quad \gamma = 263,3$$

$$\frac{\gamma}{i} = 524,5$$

$$\text{Áram le} \begin{cases} F = 429,8 \\ g = 49,0 \end{cases}$$

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af clădirei în m. t. l. m.

Devenit 20 reg. 96

Ūmes = 263,8

Arvan fel $\begin{cases} F = 100,1 \\ G = 48,9 \end{cases}$ $g = 48,2$ $i = 0,487$

$\frac{\delta}{i} = \frac{579,3}{\cancel{179,3}}$

$\begin{array}{r} 423,3 \\ 100,1 \\ \hline 323,2 \end{array}$ an. 323,8

Arvan le $\begin{cases} F = 423,3 \\ G = 47,5 \end{cases}$ ~~$g = 248,5$~~ $g = 252,9$

$Z = 52,38$
Ūmes = 263,8

A beclititii p. m. arvan m. l. c. t. m.

Arvan fel $\begin{cases} F = 145,8 \\ G = 46,8 \end{cases}$ $g = 46,8$ $i = 0,473$

$\frac{\delta}{i} = 390,3$

$\begin{array}{r} 387,6 \\ 145,8 \\ \hline 235,8 \end{array}$ an. 235,4

Arvan le $\begin{cases} F = 387,6 \\ G = 46,8 \end{cases}$

af clădirei în m. t. l. m. arvan m. l. c. t. m. al. l. p. l. m. c. t. m.

Ūmes = 263,8

Arvan fel $\begin{cases} F = 147,4 \\ G = 45,9 \end{cases}$ $g = 45,25$ $i = 0,4580$

$\frac{\delta}{i} = 393,6$

$\begin{array}{r} 377,1 \\ 147,4 \\ \hline 229,7 \end{array}$ an. 229,3

Arvan le $\begin{cases} F = 377,1 \\ G = 44,8 \end{cases}$ $g = 180,3$

$Z = 39,28$

Ūmes = 263,8

Arvan fel $\begin{cases} F = 187,3 \\ G = 46,7 \end{cases}$ $g = 46,25$ $i = 0,468$

$\frac{\delta}{i} = 275,0$

$\begin{array}{r} 345,2 \\ 187,3 \\ \hline 163,9 \end{array}$ an. 163,5

Arvan le $\begin{cases} F = 345,2 \\ G = 46,0 \end{cases}$ $g = 128,7$

459
46
4630

Z = 28,14

$\bar{U}_{res} = 263,8$

$i = 0,4676$

Arum fel $\begin{cases} F = 210,8 \\ G = 46,5 \end{cases}$

$\begin{array}{r} 316,3 \\ 210,8 \\ \hline 105,5 \end{array}$

$\gamma = 82,9$

$\frac{\gamma}{i} = 177,3$

Arum le $\begin{cases} F = 316,3 \\ G = 46,1 \end{cases}$

Can. 105,1

Z = 20,20

$\bar{U}_{res} = 260,8$

$i = 0,4636$

Arum fel $\begin{cases} F = 231,4 \\ G = 46,3 \end{cases}$

$\begin{array}{r} 296,3 \\ 231,4 \\ \hline 64,9 \end{array}$

$\gamma = 57,2$

$\frac{\gamma}{i} = 113,0$

Arum le $\begin{cases} F = 296,3 \\ G = 45,5 \end{cases}$

Can. 65,3

4575
48
4620

Z = 11,90

$\bar{U}_{res} = 264,2$

$i = 0,4620$

Arum fel $\begin{cases} F = 249,9 \\ G = 46,4 \end{cases}$

$\begin{array}{r} 278,9 \\ 249,9 \\ \hline 29,0 \end{array}$

$\gamma = 20,3$

$\frac{\gamma}{i} = 50,3$

Arum le $\begin{cases} F = 278,9 \\ G = 45,1 \end{cases}$

Can. 29,4

Z = 4,64

$\bar{U}_{res} F = 265,6$

$i = 0,4686$

Arum fel $\begin{cases} F = 262,1 \\ G = 46,4 \end{cases}$

$\begin{array}{r} 269,4 \\ 262,1 \\ \hline 7,3 \end{array}$

$\gamma = 5,7$

$\frac{\gamma}{i} = 12,2$

Arum le $\begin{cases} F = 269,4 \\ G = 46,4 \end{cases}$

Can. 7,7

$$\underline{\underline{Z=0}}$$

$$\text{Kor} F = 265,1 \quad i = 0,4676$$

$$\text{Kor} \text{ fel} \begin{cases} F = 264,8 \\ S = 46,0 \end{cases}$$

$$/ \text{ } \alpha = 0,6 \quad \gamma = 0,4$$

$$\frac{\delta}{i} = 0,9$$

$$\text{Kor} \text{ le} \begin{cases} F = 265,8 \\ S = 46,0 \end{cases}$$

$$Z = -\infty \text{ (a mélyre el)}$$

$$\text{Kor} F = 265,2$$

$$\text{Kor} \text{ fel} \begin{cases} F = 265,2 \\ S = 46,7 \end{cases}$$

$$\text{Kor} \text{ le} \begin{cases} F = 265,5 \\ S = 46,7 \end{cases}$$

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B.M. 17. 131,4 C. hosszú mágnak (pálytalan)

Január 20 Délis jórakulat.

z = 0

Üres F = 265,2

i = 0,477

Arany fel { F = 265,6
 { S = 46,8

$\frac{K}{i} = 1,6$

Arany le { F = 265,0
 { S = 46,8

z = 6,07

Üres 265,6

i = 0,4664

Arany fel { F = 270,4
 { S = 46,2

270,4

r = 7'8

$\frac{K}{i} = 16,8$

260,9

9,5 ar. 9,9

Arany le { F = 260,9
 { S = 46,2

z = 11,99

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Üres F = 265,4

i = 0,4657

Arany fel { F = 279,5
 { S = 46,0

279,5

r = 22'1

$\frac{K}{i} = 47,5$

257,5

28,0

Corr. 28,4

Arany le { F = 257,5
 { S = 46,1

$$\underline{Z = 19,12}$$

$$\ddot{U}_{\text{res}} = 266,0$$

$$i = 0,4696$$

$$\text{Arum fel} \begin{cases} F = 295,0 \\ S = 47,0 \end{cases}$$

$$\begin{array}{r} 295,0 \\ \underline{237,5} \\ 57,5 \end{array}$$

$$y = 45'6$$

$$\frac{y}{i} = 97,0$$

$$\text{Arum le} \begin{cases} F = 237,5 \\ S = 46,0 \end{cases}$$

$$\text{cor } 57,8$$

$$\underline{Z = 28,31}$$

$$\ddot{U}_{\text{res}} = 257,4$$

$$i = 0,5075$$

$$\text{Arum fel} \begin{cases} F = 312,2 \\ S = 50,6 \end{cases}$$

$$\begin{array}{r} 312,2 \\ \underline{204,0} \\ 108,2 \end{array}$$

$$y = 85'6$$

$$\frac{y}{i} = 168,6$$

$$\text{Arum le} \begin{cases} F = 204,0 \\ S = 49,9 \end{cases}$$

$$\text{cor } 108,6$$

$$\underline{Z = 33,57}$$

$$\ddot{U}_{\text{res}} = 257,4$$

$$i = 0,5090$$

$$\text{Arum fel} \begin{cases} F = 326,7 \\ S = 50,8 \end{cases}$$

$$\begin{array}{r} 326,7 \\ \underline{189,4} \\ 137,3 \end{array}$$

$$y = 108'5$$

$$\frac{y}{i} = 213,1$$

$$\text{Arum le} \begin{cases} F = 189,4 \\ S = 50,0 \end{cases}$$

$$\text{cor } 137,7$$

$$\underline{Z = 40,52}$$

$$\ddot{U}_{\text{res}} = 257,5$$

$$i = 0,5090$$

$$\text{Arum fel} \begin{cases} F = 346,8 \\ S = 51,0 \end{cases}$$

$$\begin{array}{r} 346,8 \\ \underline{170,6} \\ 176,2 \end{array}$$

$$y = 139'1$$

$$\frac{y}{i} = 273,7$$

$$\text{Arum le} \begin{cases} F = 170,6 \\ S = 49,9 \end{cases}$$

$$\text{cor } 176,6$$

$$\underline{z = 46,70}$$

$$\ddot{U}_{\overline{25}|} = 257,5 \quad i = 0,5080$$

$$\text{Arum fel} \begin{cases} F = 365,4 \\ G = 50,9 \end{cases}$$

$$365,4$$

$$150,6$$

$$\hline 214,8$$

$$y = 166,9$$

$$\frac{y}{i} = 328,5$$

$$\text{Arum le} \begin{cases} F = 158,6 \\ G = 49,6 \end{cases}$$

$$214,8$$

$$\text{Corr. } 212,2$$

$$\underline{z = 53,34}$$

$$\ddot{U}_{\overline{25}|} = 257,7 \quad i = 0,5075$$

$$\text{Arum fel} \begin{cases} F = 385,0 \\ G = 50,7 \end{cases}$$

$$385,0$$

$$177,2$$

$$\hline 251,8$$

$$y = 198,1$$

$$\frac{y}{i} = 390,3$$

$$\text{Arum le} \begin{cases} F = 133,2 \\ G = 49,8 \end{cases}$$

$$\text{Corr. } 252,2$$

$$\underline{z = 60,69}$$

$$\ddot{U}_{\overline{25}|} = 257,3$$

$$i = 0,5085$$

$$\text{Arum fel} \begin{cases} F = 406,6 \\ G = 50,9 \end{cases}$$

$$406,6$$

$$112,0$$

$$\hline 294,6$$

$$y = 221,4$$

$$\frac{y}{i} = 455,0$$

$$\text{Arum le} \begin{cases} F = 112,0 \\ G = 49,8 \end{cases}$$

$$\text{Corr. } 295,0$$

$$\underline{z = 66,24}$$

$$\ddot{U}_{\overline{25}|} = 257,5$$

$$i = 0,506$$

$$\text{Arum fel} \begin{cases} F = 424,0 \\ G = 50,9 \end{cases}$$

$$424,0$$

$$95,6$$

$$\hline 328,4$$

$$y = 357,4$$

$$\frac{y}{i} = 508,7$$

$$\text{Arum le} \begin{cases} F = 95,6 \\ G = 49,3 \end{cases}$$

$$\text{Corr. } 328,8$$

$$\underline{Z = 72,65}$$

$$\ddot{V}_{100} = 257,5$$

$$i = 0,507$$

$$\text{Arany fel} \begin{cases} F = 443,0 \\ S = 50,7 \end{cases}$$

$$\begin{array}{r} 443,0 \\ 77,0 \\ \hline 366,0 \end{array} \quad \gamma = 286,4$$

$$\frac{\gamma}{i} = 564,9$$

$$\text{Arany le} \begin{cases} F = 77,0 \\ S = 49,7 \end{cases}$$

$$\underline{Z = 78,98}$$

$$\ddot{V}_{100} = 277,6$$

$$i = 0,505$$

$$\text{Arany fel} \begin{cases} F = 462,6 \\ S = 50,6 \end{cases}$$

$$\begin{array}{r} 462,6 \\ 57,8 \\ \hline 403,8 \end{array} \quad \gamma = 315,4$$

$$\frac{\gamma}{i} = 624,6$$

$$\text{Arany le} \begin{cases} F = 57,8 \\ S = 49,5 \end{cases}$$

$$\underline{Z = 86,40}$$

$$\ddot{V}_{100} = 257,5 \quad i = 0,505$$

$$\text{Arany fel} \begin{cases} F = 485,6 \\ S = 50,6 \end{cases}$$

$$\begin{array}{r} 485,6 \\ 25,8 \\ \hline 449,8 \end{array} \quad \gamma = 350,4$$

$$\frac{\gamma}{i} = 693,5$$

$$\text{Arany le} \begin{cases} F = 25,8 \\ S = 49,4 \end{cases}$$

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$$\underline{Z = 92,50}$$

$$\ddot{V}_{100} = 257,5 \quad i = 0,502$$

$$\text{Arany fel} \begin{cases} F = 504,0 \\ S = 50,2 \end{cases}$$

$$\begin{array}{r} 504,0 \\ 17,5 \\ \hline 486,5 \end{array} \quad \gamma = 278,1$$

$$\frac{\gamma}{i} = 753,2$$

$$\text{Arany le} \begin{cases} F = 17,5 \\ S = 49,2 \end{cases}$$

B.M. XVIII

December. 21
96

Légy van mind haszna = 80,17 C.
almindje = 1 Cst.
 $i = 0,01019$.

A vége lent.

$Z = 81,45$

Üres = 247,6 242,9 243,0

Áram fel	$\left\{ \begin{array}{l} F = 254,0 \\ S = 89,7 \end{array} \right. \left. \begin{array}{l} 12,5 \\ 12,4 \end{array} \right.$	249,1	249,3
		89,7	89,9
	$\left\{ \begin{array}{l} F = 241,5 \\ S = 89,7 \end{array} \right.$	236,9	236,8
		89,7	89,9

$Z = 80,20$

Üres = 246,0

Áram fel	$\left\{ \begin{array}{l} F = 252,9 \\ S = 90,0 \end{array} \right. \left. \begin{array}{l} \\ 12,6 \end{array} \right.$	

Áram le	$\left\{ \begin{array}{l} F = 239,8 \\ S = 90,2 \end{array} \right.$	

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$Z = 72,27$

Üres = 246,1

Áram fel	$\left\{ \begin{array}{l} F = 252,8 \\ S = 91,1 \end{array} \right. \left. \begin{array}{l} 252,8 \\ 13,3 \end{array} \right.$	91,1

Áram le	$\left\{ \begin{array}{l} F = 239,5 \\ S = 91,7 \end{array} \right.$	239,6
		90,9

$$\underline{\underline{Z = 64,09}}$$

Ums. 246,0

$$\text{Arum fel } \left\{ \begin{array}{l} F = 252,8 \\ G = 91,7 \end{array} \right\} 13,3$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 239,5 \\ G = 91,2 \end{array} \right.$$

$$\underline{\underline{Z = 56,19}}$$

Ums. = 246,0

$$\text{Arum fel } \left\{ \begin{array}{l} F = 253,2 \\ G = 90,9 \end{array} \right\} 13,8 \quad \left. \begin{array}{l} 252,3 \\ 91,5 \end{array} \right\} 13,9$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 239,4 \\ G = 90,6 \end{array} \right. \quad \left. \begin{array}{l} 239,4 \\ 91,0 \end{array} \right.$$

$$\underline{\underline{Z = 50,16}}$$

Ums. = 246,0

$$\text{Arum fel } \left\{ \begin{array}{l} F = 252,3 \\ G = 91,8 \end{array} \right\} 14,2 \quad \left. \begin{array}{l} 253,4 \\ 91,5 \end{array} \right\} 14,3$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 239,1 \\ G = 91,5 \end{array} \right. \quad \left. \begin{array}{l} 239,1 \\ 91,5 \end{array} \right.$$

$$\underline{\underline{Z = 40,18}}$$

Ums. = 246,0

$$\text{Arum fel } \left\{ \begin{array}{l} F = 253,1 \\ G = 92,0 \end{array} \right\} 13,7$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 239,4 \\ G = 91,9 \end{array} \right.$$

$$Z = \underline{\underline{31,92}}$$

$$\bar{W}_{res} = 246,0$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 252,1 \\ G = 92,3 \end{array} \right\} 12,0$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 240,1 \\ G = 94,0 \end{array} \right.$$

$$Z = \underline{\underline{24,23}}$$

$$\bar{W}_{res} = 246,2$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 250,6 \\ G = 95,3 \end{array} \right\} 8,6$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 242,0 \\ G = 95,0 \end{array} \right.$$

$$Z = \underline{\underline{15,90}}$$

$$\bar{W}_{res} = 246,1$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 248,4 \\ G = 96,0 \end{array} \right\} 4,3$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 244,1 \\ G = 96 \end{array} \right.$$

$$Z = \underline{\underline{8,25}}$$

$$\bar{W}_{res} = 245,6$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 246,2 \\ G = 96,1 \end{array} \right\} 1,1$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 245,1 \\ G = 96,1 \end{array} \right.$$

$$\underline{\underline{Z = 4,36}}$$

$$\ddot{U}res = 246,5$$

$$\text{Arám fel } \left\{ \begin{array}{l} F = 246,6 \\ G = 96,5 \end{array} \right.$$

$$\text{Arám le } \left\{ \begin{array}{l} F = 246,6 \\ G = 96,5 \end{array} \right.$$

$$\underline{\underline{Z = 0}}$$

$$\ddot{U}res = 245,7$$

$$\text{Arám fel } \left\{ \begin{array}{l} F = 245,7 \quad 245,6 \\ G = 96,4 \end{array} \right.$$

$$\text{Arám le } \left\{ \begin{array}{l} F = 246,0 \quad 246,1 \\ G = 96,4 \end{array} \right.$$

$$\underline{\underline{Z = -\infty \text{ el}}}$$

$$\ddot{U}res =$$

S

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B. M. XIX

Légyvarrand hmi = 80,17 c.

December 21

$$i = 0,01019$$

B. vége lent.

$$Z = \underline{87,35}$$

$$Üres = 241,2$$

$$\text{Arany fel} \left\{ \begin{array}{l} F = 225,4 \\ G = 95,2 \end{array} \right\} \underline{32,0}$$

$$\text{Arany le} \left\{ \begin{array}{l} F = 257,4 \\ G = 95,2 \end{array} \right.$$

$$Z = \underline{80,26}$$

$$Üres = 241,4$$

$$\text{Arany fel} \left\{ \begin{array}{l} F = 225,7 \\ G = 95,3 \end{array} \right\} \underline{31,5}$$

$$\text{Arany le} \left\{ \begin{array}{l} F = 257,2 \\ G = 95,0 \end{array} \right.$$

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$$Z = \underline{72,30}$$

$$Üres = 241,4$$

$$\text{Arany fel} \left\{ \begin{array}{l} F = 227,0 \\ G = 95,0 \end{array} \right\} \underline{29,4}$$

$$\text{Arany le} \left\{ \begin{array}{l} F = 256,4 \\ G = 95,6 \end{array} \right.$$

$$Z = \underline{\underline{64,35}}$$

$$\ddot{U}_{res} = 241,5$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 229,7 \\ G = 95,9 \end{array} \right\} 24,3$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 254,0 \\ G = 96,4 \end{array} \right.$$

$$Z = \underline{\underline{56,17}}$$

$$\ddot{U}_{res} = 241,9 \quad 245,6$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 233,1 \\ G = 96,8 \end{array} \right\} 17,8 \quad \begin{array}{l} 207,2 \\ G = 92,2 \end{array} \left. \right\} 17,3$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 250,9 \\ G = 96,6 \end{array} \right. \quad \begin{array}{l} 254,6 \\ 94,0 \end{array}$$

$$Z = \underline{\underline{48,27}}$$

$$\ddot{U}_{res} = 245,9$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 240,0 \\ G = 95,3 \end{array} \right\} 12,0$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 252,0 \\ G = 94,4 \end{array} \right.$$

$$Z = \underline{\underline{40,23}}$$

$$\ddot{U}_{res} = 246,0$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 242,0 \\ G = 95,1 \end{array} \right\} 8,1$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 250,1 \\ G = 95,1 \end{array} \right.$$

$$\underline{Z = 31,80}$$

$$\ddot{U}_{\text{res}} = 245,7$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 243,1 \\ G = 95,7 \end{array} \right\} 5,5$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 248,6 \\ G = 95,0 \end{array} \right.$$

$$\underline{Z = 24,08}$$

$$\ddot{U}_{\text{res}} = 245,7$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 244,1 \\ G = 94,1 \end{array} \right\} 3,8$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 247,9 \\ G = 94,1 \end{array} \right.$$

$$\underline{Z = 16,14}$$

$$\ddot{U}_{\text{res}} = 245,8$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 244,8 \\ G = 95,0 \end{array} \right\} 2,3$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 247,1 \\ G = 95,0 \end{array} \right.$$

$$\underline{Z = 7,90}$$

$$\ddot{U}_{\text{res}} = 246,2$$

$$\text{Arum fel } \left\{ \begin{array}{l} F = 245,7 \\ G = 94,0 \end{array} \right\} 1,1$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 246,9 \\ G = 94,0 \end{array} \right.$$

$$\underline{\underline{Z = 0}}$$
$$Ures = 246,1$$

$$Arany fel \left\{ \begin{array}{l} F = 246,1 \\ G = 94,5 \end{array} \right\} 0,1$$

$$Arany le \left\{ \begin{array}{l} F = 246,5 \\ G = 94,5 \end{array} \right.$$

$$Z = -20$$
$$Ures = 246,1$$

$$Arany fel \left\{ \begin{array}{l} F = 246,1 \\ G = 94,5 \end{array} \right.$$

$$Arany le \left\{ \begin{array}{l} F = 246,5 \\ G = 94,5 \end{array} \right.$$

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$Z = 71,94$ mm Elektronikus

Számok 23 E Erreki teljes lelt árammal
96

űires = 250,0

Áram fel	$F = 48,3$	56,5	$i = 0,6974$	$i^2 = 0,4864$	$\frac{X}{i^2} = 622,3$
	$G = 70,9$	69,1			
			$\frac{442,2}{56,5}$		
Áram le	$F = 444,9$	443,2	286,7	Corr. 286,3	$\frac{X}{i} = 422,6$
	$G = 69,0$	69,0		$\gamma = 201,7$	

E lelt. áram nélkül

űires = 250,0

$i = 0,7994$

Áram fel $\left\{ \begin{array}{l} F = 135,0 \\ G = 79,2 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 265,5 \\ G = 79,1 \end{array} \right.$

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D. Teli teljes lelt. árammal

űires = 250,0 $i = 0,6927$ $i^2 = 0,4797$

Áram fel	$F = 420,8$	419,0	414,0	416,5	$\frac{X}{i^2} = 542,0$
	$G = 68,8$	68,6	68,4	69,0	
		335,7	331,8	331,0	
Áram le	$F = 85,1$	87,2	83,0	85,4	$\frac{X}{i} = 259,5$
	$G = 68,7$	68,2	68,4	68,2	
				Corr. 331,5	

Teli teljes áram nélkül

űires = 250,0

Áram fel $\left\{ \begin{array}{l} F = 319,5 \\ G = 79,2 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 180,8 \\ G = 79,2 \end{array} \right.$

$Z = 64,24$

Ei Esaki potur lent. arammal

$\ddot{u}_{over} = 250,0$

~~$\ddot{u}_{over} = 249,9$~~
 $i = 0,704 \quad i^2 = 0,4956$

Arampfel $\begin{cases} F = 69,1 & 72,1 \\ S = 69,0 & 69,5 \end{cases} \left. \begin{array}{l} 355,5 \\ \text{101st} \\ \text{2nd} \\ \text{3rd} \end{array} \right\} \begin{array}{l} 71,2 \\ 69,7 \end{array} \left. \begin{array}{l} 357,0 \\ \text{over } 356,6 \end{array} \right\} \begin{array}{l} \gamma = 278,9 \\ \frac{\gamma}{i^2} = 562,9 \end{array}$

Arampel $\begin{cases} F = 424,9 & 427,6 \\ S = 98,5 & 69,5 \end{cases} \left. \begin{array}{l} 4128,2 \\ 69,7 \end{array} \right\} \begin{array}{l} \gamma = 278,9 \\ \frac{\gamma}{i^2} = 562,9 \end{array}$

~~Arampfel~~ $\begin{cases} F = 42,1 & 43,2 \\ S = 75,8 & 75,7 \end{cases} \left. \begin{array}{l} 411,2 \\ 75,7 \end{array} \right\} \begin{array}{l} 410,6 \\ \text{over } 410,2 \end{array} \left. \begin{array}{l} \gamma = 220,0 \\ \frac{\gamma}{i^2} = 554,6 \end{array} \right\} \begin{array}{l} i = 0,7595 \\ i^2 = 0,5768 \end{array}$

Arampel $\begin{cases} F = 452,4 & 453,8 \\ S = 74,9 & 74,7 \end{cases} \left. \begin{array}{l} 410,2 \\ 74,7 \end{array} \right\} \begin{array}{l} \gamma = 220,0 \\ \frac{\gamma}{i^2} = 554,6 \end{array}$

Arampfel potur lent. arammal

$\ddot{u}_{over} = 249,9$

Arampfel $\begin{cases} F = 132,8 \\ S = 86,2 \end{cases}$

Arampel $\begin{cases} F = 366,0 \\ S = 85,3 \end{cases}$

D Esaki potur lent. arammal

~~Arampfel~~ $\ddot{u}_{over} = 250,0$

$i = 0,7524 \quad i^2 = 0,5661$

Arampfel $\begin{cases} F = 429,9 & 429,4 \\ S = 74,9 & 74,8 \end{cases} \left. \begin{array}{l} 357,4 \\ 74,8 \end{array} \right\} \begin{array}{l} 429,4 \\ 74,0 \\ 357,4 \end{array} \left. \begin{array}{l} \gamma = 279,8 \\ \frac{\gamma}{i^2} = 494,1 \end{array} \right\} \begin{array}{l} \text{over } 357,8 \end{array}$

Arampel $\begin{cases} F = 72,5 & 72,0 \\ S = 74,0 & 74,2 \end{cases} \left. \begin{array}{l} 72,0 \\ 74,2 \end{array} \right\} \begin{array}{l} 74,0 \\ 357,4 \end{array}$

Arampfel potur lent. arammal
 $\ddot{u}_{over} = 249,8$

Arampfel $\begin{cases} F = 225,5 \\ S = 86,0 \end{cases}$

Arampel $\begin{cases} F = 174,6 \\ S = 86,0 \end{cases}$

Vöringul hagnan fyrir $\frac{x}{i^2}$ og i -töl.

E þóla lent.

$i = 0,5454 \quad i^2 = 0,2975$

Aramfel $\begin{cases} F = 130,1 \\ S = 54,0 \end{cases}$

$\begin{array}{r} 370,0 \\ 130,1 \\ \hline 239,9 \end{array}$

$x = 188,2$

$\frac{x}{i^2} = 632,6$

Aramle $\begin{cases} F = 370,0 \\ S = 54,0 \end{cases}$

ann. 239,5

innar = 249,9

$i = 0,6196$

$i^2 = 0,3839$

Aramfel $\begin{cases} F = 94,1 \\ S = 61,8 \end{cases}$

101,5

61,7

$\begin{array}{r} 396,5 \\ 101,5 \\ \hline 295,0 \end{array}$

$x = 231,1$

$\frac{x}{i^2} = 602,0$

Aramle $\begin{cases} F = \\ S = \end{cases}$

296,5

61,0

ann. 294,6

innar 250,0

Aramfel $\begin{cases} F = 77,6 \\ S = 66,0 \end{cases}$

415,6

77,6

338,0

Aramle $\begin{cases} F = 415,6 \\ S = 65,6 \end{cases}$

Deimantur 24 nýggj

innar 250,0

Aramfel $\begin{cases} F = 94,2 \\ S = 63,7 \end{cases}$

96,8

63,2

$\begin{array}{r} 402,9 \\ 96,8 \\ \hline 306,1 \end{array}$

$i = 0,6368$

$i^2 = 0,4054$

$x = 239,7$

$\frac{x}{i^2} = 591,0$

Aramle $\begin{cases} F = 402,5 \\ S = 62,4 \end{cases}$

402,9

62,9

ann. 305,7

Aramfel $\begin{cases} F = 79,4 \\ S = 67,5 \end{cases}$

418,8

79,4

339,4

$i = 0,6782$

$i^2 = 0,4599$

$x = 265,3$

$= 265,3$

$\frac{x}{i^2} = 576,9$

Aramle $\begin{cases} F = 418,8 \\ S = 66,8 \end{cases}$

ann 409,0

$i = 0,6858$

Aramfel $\begin{cases} F = ~~418,8~~ 74,0 \\ S = ~~67,5~~ 68,0 \end{cases}$

Aramle $\begin{cases} F = 422,2 \\ S = 67,8 \end{cases}$

vizsgálás miután befejeződött van $\frac{F}{i}$ ra az i .

D Dési próbák levez

$i = 0,6802 \quad i^2 = 0,4627$

Áram fel $\left\{ \begin{array}{l} F = 296,7 \\ S = 68,1 \end{array} \right.$

$\frac{296,7}{107,2}$
 $\frac{289,5}{}$

$\delta = 227,4$

$\frac{F}{i^2} = 491,5$

$\left\{ \begin{array}{l} F = 107,2 \\ S = 66,6 \end{array} \right.$

Corr. 289,9

Áram fel $\left\{ \begin{array}{l} F = 389,2 \\ S = 65,8 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 113,9 \\ S = 65,0 \end{array} \right.$

Áram fel $\left\{ \begin{array}{l} F = 391,2 \\ S = 67,0 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 105,1 \\ S = 67,7 \end{array} \right.$

+ Áram le $\left\{ \begin{array}{l} F = 164,5 \\ S = 50,0 \end{array} \right.$

$i = 0,507 \quad i^2 = 0,2571$

Áram fel $\left\{ \begin{array}{l} F = 222,0 \\ S = 50,4 \end{array} \right.$

$\frac{227,0}{164,5}$
 $\frac{172,5}{}$

Corr. 172,9

$\delta = 126,2$

$\frac{F}{i^2} = 529,7$

Áram fel $\left\{ \begin{array}{l} F = 260,0 \\ S = 57,9 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 140,8 \\ S = 57,0 \end{array} \right.$

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B. M. 20

Jan. 22
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Elektromágnesség

hossza = 80,21 méter, $\mu =$

$i = 0,07019$

$Z = 84,56$

E. Eszaki pólus lent - árammal

10 h.

áramerősség = 250,1

áram fel $\left\{ \begin{array}{l} F = 50,5 \\ G = 68,3 \end{array} \right.$

$i = 0,6883$

$i^2 = 0,4737$

$\frac{448,5}{50,5} \text{ conv. } 297,6$

$\frac{K}{i^2} = \frac{655,3}{0,4737}$

áram le $\left\{ \begin{array}{l} F = 448,5 \\ G = 68,2 \end{array} \right.$

$\gamma = 310,4$

$\frac{K}{i} = 457,0$

áramerősség = 249,9

D. Déli pólus lent - árammal

áramerősség = 249,9

áram fel $\left\{ \begin{array}{l} F = 133,3 \\ G = 79,2 \end{array} \right.$

$i = 0,8034$

$i^2 = 0,6454$

$\frac{367,1}{133,3} \text{ conv. } 273,4$

~~$\frac{K}{i^2} = \frac{284,0}{0,6454}$~~

áram le $\left\{ \begin{array}{l} F = 367,1 \\ G = 79,9 \end{array} \right.$

$\gamma = 183,3$

$\frac{K}{i} = 228,0$

áramerősség = 249,8

D. Déli pólus lent - árammal

áramerősség = 249,8

áram fel $\left\{ \begin{array}{l} F = 434,2 \\ G = 69,2 \end{array} \right.$

428,7

$i = 0,702$

$i^2 = 0,4928$

69,8

$\gamma = 278,9$

~~$\frac{K}{i^2} = \frac{566,0}{0,4928}$~~

áram le $\left\{ \begin{array}{l} F = 72,5 \\ G = 69,2 \end{array} \right.$

$\frac{428,7}{72,5} \text{ conv. } 356,6$

$\frac{K}{i} = 396,4$

áramerősség = 250,0

D. Áram nélkül

12 h.

áram fel $\left\{ \begin{array}{l} F = 320,5 \\ G = 80,2 \end{array} \right.$

áramerősség = 250,0

$i = 0,809$

$i^2 = 0,6545$

$\frac{320,5}{180,0} \text{ conv. } 140,9$

$\gamma = 111,0$

~~$\frac{K}{i^2} = 109,6$~~

áram le $\left\{ \begin{array}{l} F = 180,0 \\ G = 80,0 \end{array} \right.$

$\frac{180,0}{140,5} \text{ conv. } 140,9$

$\frac{K}{i} = 137,2$

áramerősség = 249,9

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Ar. d. d. $z = 84,56$

E Eratris potus lent arammid.

lines = 249,9

$i = 0,7161 \quad i^2 = 0,5128$

Arammid $\left\{ \begin{array}{l} F = 30,7 \\ G = 71,0 \end{array} \right.$

462,5

$\gamma = 336,0$

$$\frac{\gamma}{i^2} = 655,4$$

Arammid $\left\{ \begin{array}{l} F = 462,5 \\ G = 70,8 \end{array} \right.$

$\frac{30,7}{431,8}$

Corr. 431,4

425,2

Corr. 424,8

$\gamma = 331$

$$\frac{\gamma}{i^2} = 645,5$$

Eratris potus lent Arammid

$\frac{\gamma}{i} =$

lines = 250,0

$i = 0,8161$

Arammid $\left\{ \begin{array}{l} F = 133,9 \\ G = 80,7 \end{array} \right.$

366,7

$\frac{133,9}{232,8}$

Corr. 232,4

$\gamma = 181,7$

$$\frac{\gamma}{i} = 222,6$$

Arammid $\left\{ \begin{array}{l} F = 366,7 \\ G = 80,9 \end{array} \right.$

D Pelig potus lent arammid

lines = 250,0

$i = 0,7474$

$i^2 = 0,5586$

Arammid $\left\{ \begin{array}{l} F = 462,3 \\ G = 74,0 \end{array} \right.$

454,0

74,0

$\frac{454,0}{457,5}$

Corr. 408,9

$$\frac{\gamma}{i^2} = 570,7$$

Arammid $\left\{ \begin{array}{l} F = 49,0 \\ G = 74,6 \end{array} \right.$

45,5

74,0

$\gamma = 318,8$

$$\frac{\gamma}{i} = 425,2$$

lines

Pelig potus lent Arammid

lines 250,1

$i = 0,8591$

Arammid $\left\{ \begin{array}{l} F = 329,8 \\ G = 85,3 \end{array} \right.$

329,8

$\frac{171,1}{158,7}$

Corr. 159,1

$\gamma = 125,3$

$$\frac{\gamma}{i} = 145,8$$

Arammid $\left\{ \begin{array}{l} F = 171,1 \\ G = 84,9 \end{array} \right.$

E. Escherich's jorden lent.

Area 250,2

Armen jorden 5 h. 18 m. kare.

~~Armen jorden~~

Armen jorden.

5 h. 22 m	5 h. 20 m	F = 10,5	S = 74
23 m		F 11,0	S = 74
24 m		F 11,0	S = 74
24 m		F 11,0	S = 74
28 m		F 11,1	74
35 m		T 11,1	74

35 m kare armen i lene

Armen le

40 m	F = 484,5	S = 74,2
41 m	F = 484,4	S = 74,2
42 m	F = 484,2	S = 74,2
43 m	F = 484,7	S = 74,2
44 m	F = 484,7	S = 74,2
50 m	F = 484,7	S = 74,2

484,7
161,7
468,0

$\gamma = 358,5$

$i = 0,7484 \quad i^2 = 0,5601$

51 m kare i lene

Armen jorden

56 m	F = 16,7	S = 74,0
62 m	F = 17,0	S = 74,0

$\frac{\gamma}{i^2} = 641,9$

Z = 80,10

E. Északirányú polus lent árammal.

$\ddot{U}_{res} = 249,7$

$i = 0,7474 \quad i^2 = 0,5586$

Áram fel	$\left\{ \begin{array}{l} F = 16,0 \\ G = 74,0 \end{array} \right.$	17,0			$\frac{\gamma}{i} = 647,1$
		74,0	482,4		
			17,0		
			465,4	Corr. 465,0	
Áram le	$\left\{ \begin{array}{l} F = 482,1 \\ G = 74,0 \end{array} \right.$	482,4		$\gamma = 361,5$	$\frac{\gamma}{i} = 483,7$
		74,0			

Északirányú polus áram nélkül

$\ddot{U}_{res} = 249,9$

$i = 0,8575$

Áram fel	$\left\{ \begin{array}{l} F = 117,6 \\ G = 85,0 \end{array} \right.$				$\frac{\gamma}{i} = 242,1$
		382,3			
		117,6			
			264,7	Corr. 264,3	$\gamma = 207,6$
Áram le	$\left\{ \begin{array}{l} F = 382,3 \\ G = 85,4 \end{array} \right.$				

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D. Déli polus lent árammal.

$\ddot{U}_{res} = 249,9$

$i = 0,7494 \quad i^2 = 0,5616$

Áram fel	$\left\{ \begin{array}{l} F = 463,8 \\ G = 74,2 \end{array} \right.$	454,7			$\frac{\gamma}{i} = 570,7$
		74,2	454,7		
			44,2		
			410,5	Corr. 410,9	
Áram le	$\left\{ \begin{array}{l} F = 44,0 \\ G = 74,2 \end{array} \right.$	44,2		$\gamma = 320,5$	$\frac{\gamma}{i} = 427,4$
		74,2			

Déli polus lent áram nélkül

$\ddot{U}_{res} = 249,8$

Áram fel $\left\{ \begin{array}{l} F = 329,7 \\ G = 85,9 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 170,2 \\ G = 85,1 \end{array} \right.$

~~F = 360,0~~
~~G =~~

B.M.22

$Z = 48,20$

December 24 ¹E. Eraki jöved. lent. árammal
 $\bar{v} = 249,1$

Áram fel $\left\{ \begin{array}{l} F = 128,9 \\ S = 65,6 \end{array} \right.$

$i = 0,6545 \quad i^2 = 0,4284$

$F = 168,6$

$i = 0,5517 \quad i^2 = 0,3043$

$\frac{361,4}{128,9}$
 $\frac{282,5}{282,5}$ ann. 282,1

$S = 52,9$

$\frac{329,0}{168,6}$

$\frac{160,4}{160,4}$ ann. 160,0 $\frac{S}{i^2} = 446,3$

Áram le $\left\{ \begin{array}{l} F = 261,4 \\ S = 64,0 \end{array} \right.$

$\frac{182,5}{182,5}$
 $\frac{S}{i^2} = 426,0$

$F = 229,0$

$S = 52,3$

$\frac{S}{i^2} = 446,3$ módosított $i = 0,70$ ann.

első utáni

$\bar{v} = 249,0$

extrapoláció

$\left(\frac{S}{i^2}\right)_{0,7} = 418,6$

Áram fel $\left\{ \begin{array}{l} F = 118,5 \\ S = 70,7 \end{array} \right.$

$i = 0,714 \quad i^2 = 0,5098$

$S = 204,9$

$\frac{S}{i^2} = 402,0$

$\left(\frac{S}{i^2}\right)_{0,7} = 407,6$

$\frac{379,8}{118,5}$
 $\frac{261,3}{261,3}$ ann. 260,9

Áram le $\left\{ \begin{array}{l} F = 379,8 \\ S = 70,7 \end{array} \right.$

Eraki jöved. lent. áram nélkül

$\bar{v} = 249,0$

Áram fel $\left\{ \begin{array}{l} F = 167,2 \\ S = 87,2 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 331,1 \\ S = 87,2 \end{array} \right.$

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D Jeli jöved. lent. árammal. $\bar{v} = 249,2$

Áram fel $\left\{ \begin{array}{l} F = 312,4 \\ S = 52,0 \end{array} \right.$

$\frac{317,0}{54,9}$

$i = 0,555 \quad i^2 = 0,3080$

$F = 365,2$

$i = 0,702$

$i^2 = 0,4928$

Áram le $\left\{ \begin{array}{l} F = 191,2 \\ S = 50,2 \end{array} \right.$

$\frac{317,0}{180,2}$
 $\frac{180,2}{180,2}$ ann. 177,4

$\frac{137,0}{137,0}$
 $\frac{137,0}{137,0}$ ann. 137,4

$F = 133,4$

$S = 69,6$

$\frac{365,2}{133,4}$

$\frac{231,8}{231,8}$ ann. 232,2

$\frac{S}{i^2} = 327,0$

$\frac{S}{i^2} = 182,5$

$\frac{S}{i^2} = 370,7$

$\bar{v} = 249,0$

Jeli jöved. lent. áram nélkül

Áram fel $\left\{ \begin{array}{l} F = 302,0 \\ S = 86,0 \end{array} \right.$

Áram le $\left\{ \begin{array}{l} F = 196,5 \\ S = 86,4 \end{array} \right.$

$$\boxed{Z = 32,04} \text{ m}$$

E' eszaki pólus lent árammal

$$\bar{u}_{res} = 249,5$$

$$\text{Áram fel} \left\{ \begin{array}{l} F = 172,6 \text{ ^{10ms} _{ms} } \\ S = 69,8 \text{ _{ms} } \end{array} \right. \begin{array}{l} 175,1 \\ 70,0 \end{array} \begin{array}{l} i = 0,707 \\ i^2 = 0,4998 \end{array} \quad \begin{array}{l} F = 184,0 \\ S = 64,5 \end{array} \begin{array}{l} i = 0,6514 \\ i^2 = 0,4243 \end{array}$$

$$\text{Áram le} \left\{ \begin{array}{l} F = 324,0 \\ S = 69,8 \end{array} \right. \begin{array}{l} 324,2 \\ 70,0 \end{array} \begin{array}{l} \frac{324,2}{175,1} \text{ ^{224,2} _{ms} } \\ \frac{249,5}{175,1} \text{ ^{148,7} } \\ \gamma = 117,2 \\ \frac{K}{i^2} = 234,3 \end{array} \quad \begin{array}{l} F = 315,5 \\ S = 64,5 \end{array} \begin{array}{l} \frac{315,5}{184,0} \text{ ^{315,5} _{ms} } \\ \frac{184,0}{191,5} \text{ ^{103,4} } \\ \gamma = 103,4 \\ \frac{K}{i^2} = 247,7 \end{array}$$

D déli pólus lent árammal

$$\text{Áram fel} \left\{ \begin{array}{l} F = 324,8 \text{ ^{10ms} _{ms} } \\ S = 69,8 \text{ _{ms} } \end{array} \right. \begin{array}{l} 318,9 \\ 69,8 \end{array} \begin{array}{l} i = 0,705 \\ i^2 = 0,4970 \end{array} \quad \begin{array}{l} F = 311,0 \\ S = 65,1 \end{array} \begin{array}{l} i = 0,657 \\ i^2 = 0,4316 \end{array}$$

$$\text{Áram le} \left\{ \begin{array}{l} F = 180,1 \\ S = 69,8 \end{array} \right. \begin{array}{l} 182,0 \\ 69,8 \end{array} \begin{array}{l} \frac{318,9}{181,0} \text{ ^{218,9} _{ms} } \\ \frac{181,0}{137,9} \text{ ^{128,4} } \\ \gamma = 111,4 \\ \frac{K}{i^2} = 224,2 \end{array} \quad \begin{array}{l} F = 188,8 \\ S = 65,1 \end{array} \begin{array}{l} \frac{311,0}{188,8} \text{ ^{211,0} _{ms} } \\ \frac{188,8}{122,1} \text{ ^{122,6} } \\ \gamma = 96,6 \\ \frac{K}{i^2} = 223,8 \end{array}$$

$$\boxed{Z = 80,10} \text{ m}$$

$$\bar{u}_{res} = 249,8$$

E' pólus lent árammal

$$\text{Áram fel} \left\{ \begin{array}{l} F = 47,5 \text{ ^{10ms} _{ms} } \\ S = 69,0 \text{ _{ms} } \end{array} \right. \begin{array}{l} 48,5 \\ 69,0 \end{array} \begin{array}{l} i = 0,6969 \\ i^2 = 0,4857 \end{array} \quad \begin{array}{l} F = 68,1 \\ S = 65,0 \end{array} \begin{array}{l} i = 0,6555 \\ i^2 = 0,4297 \end{array}$$

$$\text{Áram le} \left\{ \begin{array}{l} F = 450,1 \\ S = 69 \end{array} \right. \begin{array}{l} 450,8 \\ 69,0 \end{array} \begin{array}{l} \frac{450,8}{48,5} \text{ ^{450,8} _{ms} } \\ \frac{402,3}{401,9} \text{ ^{401,9} } \\ \gamma = 310,7 \\ \frac{K}{i^2} = 645,8 \end{array} \quad \begin{array}{l} F = 431,0 \\ S = 64,8 \end{array} \begin{array}{l} \frac{431,0}{68,1} \text{ ^{431,0} _{ms} } \\ \frac{68,1}{562,9} \text{ ^{262,5} } \\ \gamma = 287,5 \\ \frac{K}{i^2} = 662,1 \end{array}$$

D pólus lent árammal

$$\text{Áram fel} \left\{ \begin{array}{l} F = 437,1 \\ S = 69,0 \end{array} \right. \begin{array}{l} 437,1 \\ 69,0 \end{array} \begin{array}{l} i = 0,6969 \\ i^2 = 0,4857 \end{array} \quad \text{Áram fel} \left\{ \begin{array}{l} F = 411,5 \\ S = 65,0 \end{array} \right. \begin{array}{l} 411,5 \\ 65,0 \end{array} \begin{array}{l} i = 0,657 \\ i^2 = 0,4316 \end{array}$$

$$\text{Áram le} \left\{ \begin{array}{l} F = 68,8 \\ S = 69,0 \end{array} \right. \begin{array}{l} 68,8 \\ 69,0 \end{array} \begin{array}{l} \frac{437,1}{68,8} \text{ ^{437,1} _{ms} } \\ \frac{568,3}{568,3} \text{ ^{268,7} } \\ \gamma = 287,9 \\ \frac{K}{i^2} = 592,7 \end{array} \quad \text{Áram le} \left\{ \begin{array}{l} F = 87,0 \\ S = 65,0 \end{array} \right. \begin{array}{l} 87,0 \\ 65,0 \end{array} \begin{array}{l} \frac{411,5}{87,0} \text{ ^{411,5} _{ms} } \\ \frac{324,9}{324,9} \text{ ^{324,9} } \\ \gamma = 254,5 \\ \frac{K}{i^2} = 589,5 \end{array}$$

B.M. 22.

$Z = 80,10$

December 25

örös 250,0

96. ruzsd.

E Eraki polus lent. árammal

Áram fel	$\begin{cases} F = 75,9 \\ S = 64,3 \end{cases}$	$\left. \begin{array}{l} \text{hít más 20 sennel} \\ 70,0 \\ 65,8 \\ \hline \end{array} \right\} \delta = 639,8$	65,0	64,0	64,0	$i = 0,6706$ $i^2 = 0,4494$ $\frac{435,7}{464,3}$ $\frac{271,4}{271,4}$ $\delta = 290,0$ $\frac{\chi^2}{i^2} = 615,3$
			66,4	66,4	66,4	
Áram le	$\begin{cases} F = 425,2 \\ S = 65,0 \end{cases}$	$\left. \begin{array}{l} \text{hít más 20 sennel} \\ 431,0 \\ 65,8 \\ \hline \end{array} \right\}$	424,5	425,4	435,7	$i = 0,6253$ $i^2 = 0,4026$ $\delta = 266,0$ $\frac{\chi^2}{i^2} = 659,1$
			66,4	66,4	66,4	
Áram fel	$\begin{cases} F = 78,8 \\ S = 63,0 \end{cases}$	$\left. \begin{array}{l} \text{hít más 20 sennel} \\ 78,8 \\ 63,0 \\ \hline \end{array} \right\}$	78,8	$\delta = 266,0$ $\frac{\chi^2}{i^2} = 659,1$		
Áram le	$\begin{cases} F = 420,2 \\ S = 62,0 \end{cases}$		420,0			
D.u. l. ar.	$\begin{cases} F = 420,2 \\ S = 62,0 \end{cases}$		420,0		$\frac{420,0}{241,2}$ Can. 339,8	
			62,8			

chid utain D.u. 4 ara lent.

Áram fel	$\begin{cases} F = 62,0 \\ S = 67,0 \end{cases}$	$\left. \begin{array}{l} i = 0,6727 \\ i^2 = 0,4524 \\ 433,8 \\ 62,0 \\ \hline \end{array} \right\}$	47,3	$\frac{433,8}{270,8}$ Can. 270,8 $\delta = 289,5$ $\frac{\chi^2}{i^2} = 640,0$	47,2
			70,0		70,0
Áram le	$\begin{cases} F = 433,8 \\ S = 66,2 \end{cases}$	$\left. \begin{array}{l} \text{hít más 20 sennel} \\ 449,5 \\ 69,4 \\ \hline \end{array} \right\}$	449,5	$\delta = 249,9$	450,0
			69,4		69,3

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D Dili polus lent. árammal

Áram fel	$\begin{cases} F = 434,6 \\ S = 69,8 \end{cases}$	$\left. \begin{array}{l} \text{hít más 20 sennel} \\ 413,6 \\ 65,2 \\ \hline \end{array} \right\}$	413,6
			65,2
Mancintsa	$\begin{cases} F = 66,4 \\ S = 69,3 \end{cases}$	$\left. \begin{array}{l} \text{hít más 20 sennel} \\ 88,2 \\ 64,5 \\ \hline \end{array} \right\}$	88,2
	Áram le		$\begin{cases} F = 66,4 \\ S = 69,3 \end{cases}$


B.M. 24

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Incertus fele magnet. Kötés távolsága 40. mm.

$L_{m,2} = 30,07 \text{ C.}$

Skalatalárolás mielőtt eléri 218 C. $i = 0,0101 \text{ g}$

A magnet longitudinális állása 
a longitudinális állásnál képezett szöglet. α

$\alpha = 0 = \alpha = 90^\circ + \alpha = 45^\circ$ ~~felismerés~~

Északi pólus lent.

$L = 49,74$

$\alpha = 0 =$

$\ddot{u}res = 245,1$

Áram fel $\left\{ \begin{array}{l} F = 85,0 \\ G = 98,6 \end{array} \right.$

$i = 0,9918$

$\frac{L}{i} = 251,1$

$\begin{array}{r} 403,0 \\ 85,0 \\ \hline 318,0 \text{ cm. } 317,6 \end{array}$

Áram le $\left\{ \begin{array}{l} F = 403,0 \\ G = 98,0 \end{array} \right.$

$\gamma = 249'0$

$\alpha = 90^\circ +$

$\ddot{u}res = 245,6$

Áram fel $\left\{ \begin{array}{l} F = 133,1 \\ G = 98,6 \end{array} \right.$

$i = 0,9918$

$\gamma = 176'2$

$\frac{L}{i} = 177,7$

$\begin{array}{r} 357,6 \\ 133,1 \\ \hline 224,5 \text{ cm. } 224,1 \end{array}$

Áram le $\left\{ \begin{array}{l} F = 357,6 \\ G = 98,0 \end{array} \right.$

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$\alpha = 45^\circ$ ~~+~~

$\ddot{u}res = 245,7$

Áram fel $\left\{ \begin{array}{l} F = 120,1 \\ G = 98,0 \end{array} \right.$

$F = 119,6$

$G = 98,4$

$380,8$

$119,6$

$\ddot{u}res = 245,7$

$\frac{380,8}{261,2} \text{ cm. } 260,8$

Áram le $\left\{ \begin{array}{l} F = 380,8 \\ G = 98,4 \end{array} \right.$

$F = 380,8$

$G = 97,5$

$$d = 135^\circ$$

$$\ddot{m} = 245,8$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 204,6 \\ G = 98,0 \end{array} \right.$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 374,6 \\ G = 97,5 \end{array} \right.$$

$$\underline{\underline{Z = 30,13}}$$

$$d = 0 =$$

$$\ddot{m} = 245,9$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 91,0 \\ G = 97,4 \end{array} \right.$$

$$i = 0,9827$$

$$x = 241,9$$

$$\frac{x}{i} = 246,7$$

$$\begin{array}{r} 400,0 \\ 91,0 \\ \hline 309,0 \text{ ca. } 308,6 \end{array}$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 400,0 \\ G = 97,4 \end{array} \right.$$

$$d = 90^\circ +$$

$$\text{Arum fel} \left\{ \begin{array}{l} F = 2127,1 \\ G = 97,4 \end{array} \right.$$

$$i = 0,9827$$

$$x = 171,3$$

$$\frac{x}{i} = 174,1$$

$$\begin{array}{r} 355,4 \\ 127,1 \\ \hline 218,3 \text{ ca. } 217,9 \end{array}$$

$$\text{Arum le} \left\{ \begin{array}{l} F = 355,4 \\ G = 97,4 \end{array} \right.$$

$$\underline{\underline{Z = 15,02}}$$

$$\alpha = 0 =$$

$$\vec{u}_{res} = 246,0$$

$$i = 0,9858$$

$$\text{Arum fel} \begin{cases} F = 169,2 \\ S = 97,6 \end{cases}$$

$$322,5$$

$$\frac{169,2}{153,3} \text{ am } 152,9$$

$$\gamma = 120,5$$

$$\frac{\gamma}{i} = 122,2$$

$$\text{Arum le} \begin{cases} F = 322,5 \\ S = 97,6 \end{cases}$$

$$\alpha = 90^\circ +$$

$$\vec{u}_{res} =$$

$$\text{Arum fel} \begin{cases} F = 191,6 \\ S = 97,6 \end{cases}$$

$$i = 0,9858$$

$$300,7$$

$$\frac{191,6}{169,1} \text{ am } 108,7$$

$$\gamma = 85,7$$

$$\frac{\gamma}{i} = 86,9$$

$$\text{Arum le} \begin{cases} F = 300,7 \\ S = 97,6 \end{cases}$$

$$\underline{\underline{Z = 11,00}}$$

$$\vec{u}_{res} = 245,7 \quad \alpha = 0 =$$

$$i = 0,9858$$

$$\text{Arum fel} \begin{cases} F = 196,1 \\ S = 97,6 \end{cases}$$

$$295,6$$

$$\frac{196,1}{99,5} \text{ am } 99,1$$

$$\gamma = 78,0$$

$$\frac{\gamma}{i} = 79,1$$

$$\text{Arum le} \begin{cases} F = 295,6 \\ S = 97,6 \end{cases}$$

$$\alpha = 90^\circ +$$

$$\text{Arum fel} \begin{cases} F = 210,1 \\ S = 97,6 \end{cases}$$

$$i = 0,9858$$

$$282,1$$

$$\frac{210,1}{72,0} \text{ am } 71,6$$

$$\gamma = 56,4$$

$$\frac{\gamma}{i} = 57,2$$

$$\text{Arum le} \begin{cases} F = 282,1 \\ S = 97,6 \end{cases}$$

B.M. 25

December 27
96

Decretet fide mures postulas. Eszaki jules lelek.

Z = 11,00

$d = 0 =$

$\ddot{m} = 246,2$

Aranyfel $\left\{ \begin{array}{l} F = 201,2 \\ G = 88,8 \end{array} \right.$

$i = 0,8918$

$\frac{290,9}{201,2} \quad \gamma = 69'8$

$\frac{\delta}{i} = \underline{\underline{78,3}}$

Aranyle $\left\{ \begin{array}{l} F = 290,9 \\ G = 87,8 \end{array} \right.$

$\frac{290,9}{201,2} \text{ ar. } 89,0$

$\alpha = 90^\circ +$

$\ddot{m} = 246,2$

Aranyfel $\left\{ \begin{array}{l} F = 214,0 \\ G = 89,0 \end{array} \right.$

$i = 0,8949$

$\frac{278,7}{214,0} \quad \gamma = 50'7$

$\frac{\delta}{i} = \underline{\underline{56,6}}$

Aranyle $\left\{ \begin{array}{l} F = 278,7 \\ G = 88,2 \end{array} \right.$

$\frac{278,7}{214,0} \text{ ar. } 64,0$

Z = 14,98

$d = 0 =$

$\ddot{m} = 246,2$

Aranyfel $\left\{ \begin{array}{l} F = 176,8 \\ G = 89,0 \end{array} \right.$

$i = 0,8977$

$\gamma = 108,0$

176,8

89,0

315,6

88,9

$i = 0,8999$

215,6

176,8

$\frac{215,6}{138,8} \text{ ar. } 128,4$

$\gamma = 109'0$

$\frac{\delta}{i} = \underline{\underline{121,1}}$

Aranyle $\left\{ \begin{array}{l} F = 314,6 \\ G = 87,6 \end{array} \right.$

$\frac{\delta}{i} = \underline{\underline{121,2}}$

$\alpha = 90^\circ +$

$\ddot{m} = 246,2$

Aranyfel $\left\{ \begin{array}{l} F = 196,9 \\ G = 88,7 \end{array} \right.$

$i = 0,8954$

295,8

196,9

$\frac{295,8}{196,9} \text{ ar. } 98,5$

$\gamma = 77,7$

$\frac{\delta}{i} = 86,8$

Aranyle $\left\{ \begin{array}{l} F = 295,8 \\ G = 88,6 \end{array} \right.$

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$$\boxed{Z = 19,16} \text{ m}$$

$$d = 0 = \text{inns } 246,2 \quad i = 0,9529$$

$$\text{Arumfel} \begin{cases} F = 145,8 \\ S = 93,9 \end{cases}$$

$$\frac{347,2}{145,8} \text{ corr. } 201,0$$

$$\gamma = 158'2$$

$$\frac{\delta}{i} = 166,0$$

$$\text{Arumfel} \begin{cases} F = 347,2 \\ S = 94,8 \end{cases}$$

$$\alpha = 90^\circ +$$

$$\text{inns} = 246,4 \quad i = 0,9646$$

$$\text{Arumfel} \begin{cases} F = 174,0 \\ S = 95,1 \end{cases}$$

$$\frac{318,5}{174,0} \text{ corr. } 144,1$$

$$\gamma = 113'5$$

$$\frac{\delta}{i} = 117,7$$

$$\text{Arumfel} \begin{cases} F = 318,5 \\ S = 95,9 \end{cases}$$

$$\boxed{Z = 7,95} \text{ m}$$

$$d = 0 = \text{inns} = 246,2$$

$$\text{Arumfel} \begin{cases} F = 216,6? \\ S = 96,2 \end{cases}$$

$$215,4 \quad 215,2$$

$$i = 0,9888$$

$$96,8 \quad 97,9$$

$$\frac{277,5}{215,2} \text{ corr. } 61,9 \quad \frac{\delta}{i} = 49,4$$

$$\text{Arumfel} \begin{cases} F = 277,1 \\ S = 96,6 \end{cases}$$

$$\text{inns} = 246,2 \quad i = 0,9767$$

$$\gamma = 48,8$$

$$277,1 \quad 277,5$$

$$\frac{215,4}{61,1 \text{ corr. } 61,3} \quad \frac{\delta}{i} = 49,6 \quad 97,9$$

$$\alpha = 90^\circ + \text{inns} = 246,2$$

$$F = 223,8$$

$$i = 0,9827$$

$$S = 97,0$$

$$\frac{269,1}{223,8} \text{ corr. } 44,9$$

$$\frac{\delta}{i} = 36,1$$

$$F = 269,1$$

$$\gamma = 35'5$$

$$S = 97,6$$

$$\boxed{Z = 3,98} \text{ mm}$$

$$\alpha = 0 =$$

$$\ddot{u}_{res} = 246,2$$

$$\text{Arum fel} \begin{cases} F = 235,4 \\ S = 96,4 \end{cases}$$

$$235,0 \\ i = 0,9767$$

$$\frac{\delta}{i} = 18,4$$

$$\text{Arum le} \begin{cases} F = 258,6 \\ S = 97,0 \end{cases}$$

$$258,6 \\ \frac{235,4}{23,2} \text{ am } 22,8$$

$$\delta = 18'0$$

$$\ddot{u}_{res} = 246,7$$

$$\alpha = 90^\circ +$$

$$\ddot{u}_{res} = 248,4$$

$$\text{Arum fel} \begin{cases} F = 229,5 \\ S = 96,0 \end{cases}$$

$$i = 0,9726$$

$$257,6$$

$$\frac{229,5}{18,1} \text{ am } 17,7$$

$$\frac{\delta}{i} = 13,6$$

$$\text{Arum le} \begin{cases} F = 257,6 \\ S = 96,3 \end{cases}$$

$$\delta = 13'2$$

$$\boxed{Z = 30,03} \text{ mm}$$

$$\alpha = 0 =$$

$$\ddot{u}_{res} = 248,4$$

$$\text{Arum fel} \begin{cases} F = 96,3 \\ S = 96,0 \end{cases}$$

$$i = 0,9726$$

$$400,3$$

$$\frac{96,0}{204,0} \text{ am } 203,6$$

$$\delta = 235'8$$

$$\frac{\delta}{i} = 242,4$$

$$\text{Arum le} \begin{cases} F = 400,3 \\ S = 96,0 \end{cases}$$

$$\alpha = 90^\circ +$$

$$\ddot{u}_{res} = 248,6$$

$$\text{Arum fel} \begin{cases} F = 141,2 \\ S = 96,0 \end{cases}$$

$$\text{Arum le} \begin{cases} F = 356,1 \\ S = 96,4 \end{cases}$$

$$\underline{\underline{z = 0 \text{ km}}}$$

$$d = 0 =$$

$$\ddot{u}_{\text{mes}} = 248,5$$

$$\text{Arany fel} \begin{cases} F = 246,5 \\ S = 96,5 \end{cases} \quad 246,5$$

$$\text{Arany le} \begin{cases} F = 250,6 \\ S = 96,5 \end{cases} \quad 250,7$$

$$d = 90^\circ +$$

$$\ddot{u}_{\text{mes}} 248,5$$

$$\text{Arany fel} \begin{cases} F = 246,3 \\ S = 96,5 \end{cases} \quad 246,5$$

$$\text{Arany le} \begin{cases} F = 250,8 \\ S = 96,5 \end{cases} \quad 250,8$$

$$\underline{\underline{z = -30}}$$

$$\ddot{u}_{\text{mes}} 248,5$$

$$\text{Arany fel} \begin{cases} F = 248,1 \\ S = 96,5 \end{cases} \quad 248,2$$

$$\text{Arany le} \begin{cases} F = 249,0 \\ S = 96,5 \end{cases} \quad 249,2$$

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$$\underline{\underline{\text{el } z = -\infty}}$$

$$\ddot{u}_{\text{mes}} 248,6$$

$$\text{Arany fel} \begin{cases} F = 248,2 \\ S = 96,5 \end{cases} \quad 248,2$$

$$\text{Arany le} \begin{cases} F = 249,0 \\ S = 96,5 \end{cases} \quad 249,1$$

B.M. 26.

Számok 27.

96

Felémás mérés,

acél vas acél

hossz kb. 90 cm.

Ívelt sarok 40 mm.

Ívelt hossza = 90,31 cm

Fűrés erő miatt korrekció 0,8.

$$i = 0,0101 g$$

Eszközök jellemzői

$$Z = 90,33 \text{ cm}$$

$$l_{\text{mérés}} = 248,2$$

$$\text{Áram fel} \begin{cases} F = 55,2 \\ G = 96,5 \end{cases}$$

$$i = 0,9946$$

$$440,8$$

$$g = 300,7$$

$$\frac{g}{i} = 308,5$$

$$\text{Áram le} \begin{cases} F = 440,8 \\ G = 96,5 \end{cases}$$

$$55,2$$

$$\text{össz. } 384,8$$

$$Z = 0 \text{ cm}$$

$$l_{\text{mérés}} = 248,6$$

$$\text{Áram fel} \begin{cases} F = 247,7 \\ G = 96,5 \end{cases}$$

$$247,6$$

$$i = 0,9946$$

$$249,8$$

$$g = 1,0$$

$$\frac{g}{i} = 1,0$$

$$\text{Áram le} \begin{cases} F = 249,8 \\ G = 96,5 \end{cases}$$

$$249,7$$

$$247,7$$

$$\text{össz. } 1,3$$

$$Z = 7,75 \text{ cm}$$

$$l_{\text{mérés}} = 248,0$$

$$\text{Áram fel} \begin{cases} F = 239,0 \\ G = 96,5 \end{cases}$$

$$i = 0,9921$$

$$257,0$$

$$g = 13,6$$

$$\frac{g}{i} = 14,0$$

$$\text{Áram le} \begin{cases} F = 257,0 \\ G = 96,0 \end{cases}$$

$$239,0$$

$$\text{össz. } 17,2$$

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$$Z = 14,66$$

$$\text{Arbeitslohn} \begin{cases} F = 225,0 \\ G = 96,4 \end{cases}$$

$$\text{Arbeitslohn} \begin{cases} F = 271,1 \\ G = 96,1 \end{cases}$$

$$\ddot{K} = 248,0$$

$$i = 0,9721$$

$$\begin{array}{r} 271,1 \\ 225,0 \\ \hline 46,1 \text{ bzw. } 45,3 \end{array}$$

$$r = 35,8$$

$$\frac{r}{i} = 36,8$$

$$Z = 22,02$$

$$\text{Arbeitslohn} \begin{cases} F = 207,0 \\ G = 96,6 \end{cases}$$

$$\text{Arbeitslohn} \begin{cases} F = 289,3 \\ G = 96,2 \end{cases}$$

$$\ddot{K} = 248,1$$

$$i = 0,9736$$

$$\begin{array}{r} 289,3 \\ 207,0 \\ \hline 82,3 \text{ bzw. } 81,5 \end{array}$$

$$r = 64,5$$

$$\frac{r}{i} = 66,2$$

$$Z = 29,80$$

$$\text{Arbeitslohn} \begin{cases} F = 187,9 \\ G = 96,2 \end{cases}$$

$$\text{Arbeitslohn} \begin{cases} F = 307,7 \\ G = 95,6 \end{cases}$$

$$\ddot{K} = 248,0$$

$$i = 0,9686$$

$$\begin{array}{r} 307,7 \\ 187,9 \\ \hline 119,8 \text{ bzw. } 119,0 \end{array}$$

$$r = 93,8$$

$$\frac{r}{i} = 96,8$$

$$Z = 37,85$$

$$\text{Arbeitslohn} \begin{cases} F = 169,5 \\ G = 95,6 \end{cases}$$

$$\text{Arbeitslohn} \begin{cases} F = 325,6 \\ G = 95,6 \end{cases}$$

$$\ddot{K} = 247,5$$

$$i = 0,9656$$

$$\begin{array}{r} 325,6 \\ 169,5 \\ \hline 156,1 \text{ bzw. } 155,3 \end{array}$$

$$r = 122,7$$

$$\frac{r}{i} = 126,6$$

$$Z = 44,74$$

$$M_{\text{max}} = 247,7$$

$$\text{Arum fel} \begin{cases} F = 155,5 \\ S = 95,0 \end{cases}$$

$$i = 99,595$$

$$340,1$$

$$y = 144,7$$

$$\frac{K}{i} = 150,8$$

$$155,5$$

$$\frac{184,6}{\text{corr. } 183,8}$$

$$\text{Arum le} \begin{cases} F = 340,1 \\ S = 95,0 \end{cases}$$

$$Z = 31,67 \quad \text{om Alro'ingjörü fli' side}$$

$$M_{\text{max}} = 248,0$$

$$\text{Arum fel} \begin{cases} F = 184,2 \\ S = 95,0 \end{cases}$$

$$i = 0,9610$$

$$y = 100,1$$

$$\frac{K}{i} = 104,2$$

$$311,6$$

$$184,2$$

$$\frac{127,4}{\text{corr. } 126,8}$$

$$\text{Arum le} \begin{cases} F = 311,6 \\ S = 95,0 \end{cases}$$

$$Z = 28,77 \quad \text{om Alro'ingjörü elio' side}$$

$$M_{\text{max}} = 247,7$$

$$\text{Arum fel} \begin{cases} F = 190,5 \\ S = 95,0 \end{cases}$$

$$i = 0,9615$$

$$y = 89,4$$

$$\frac{K}{i} = 93,0$$

$$304,8$$

$$190,5$$

$$\frac{114,3}{\text{corr. } 113,5}$$

$$\text{Arum le} \begin{cases} F = 304,8 \\ S = 95,0 \end{cases}$$

uzgany 28 i'kan naxel.

$$M_{\text{max}} = 247,7$$

$$\text{Arum fel} \begin{cases} F = 194,5 \\ S = 89,3 \end{cases}$$

$$i = 0,9019$$

$$\frac{K}{i} = 92,5$$

$$301,2$$

$$194,5$$

$$\frac{106,7}{\text{corr } 105,9}$$

$$y = 83,5$$

$$\text{Arum le} \begin{cases} F = 301,2 \\ S = 89,3 \end{cases}$$

$$\boxed{Z = 41,84} \quad \text{or}$$

$$u_{\text{res}} = 248,5$$

$$i = 0,8873$$

$$\begin{array}{r} 327,5 \\ 168,5 \\ \hline \end{array}$$

$$\gamma = 124,6$$

$$\frac{\gamma}{i} = 140,4$$

$$\text{Arany fel} \begin{cases} F = 168,5 \\ G = 88,3 \end{cases}$$

$$\text{Arany le} \begin{cases} F = 327,5 \\ G = 87,4 \end{cases}$$

$$159,0 \text{ corr } 158,2$$

$$\boxed{Z = 48,10} \quad \text{or}$$

$$u_{\text{res}} = 248,5$$

$$i = 0,8635$$

$$338,2$$

$$158,1$$

$$\gamma = 141,2$$

$$\frac{\gamma}{i} = 163,5$$

$$\text{Arany fel} \begin{cases} F = 158,1 \\ G = 86,0 \end{cases}$$

$$\text{Arany le} \begin{cases} F = 338,2 \\ G = 85,0 \end{cases}$$

$$180,1 \text{ corr } 179,3$$

$$\boxed{Z = 46,07} \quad \text{or}$$

$$u_{\text{res}} = 248,5$$

$$i = 0,8777$$

$$335,1$$

$$161,5$$

$$\gamma = 136,1$$

$$\frac{\gamma}{i} = 155,0$$

$$\text{Arany fel} \begin{cases} F = 161,5 \\ G = 87,0 \end{cases}$$

$$\text{Arany le} \begin{cases} F = 335,1 \\ G = 86,8 \end{cases}$$

$$173,6 \text{ corr } 172,8$$

$$\boxed{Z = 43,98} \quad \text{or}$$

$$u_{\text{res}} = 248,4$$

$$i = 0,8878$$

$$332,5$$

$$164,2$$

$$\gamma = 131,9$$

$$\frac{\gamma}{i} = 148,0$$

$$\text{Arany fel} \begin{cases} F = 164,2 \\ G = 88,0 \end{cases}$$

$$\text{Arany le} \begin{cases} F = 332,5 \\ G = 87,8 \end{cases}$$

$$168,3 \text{ corr } 167,5$$

B.M. 27.

Fekemén mágnos ————— Jelykötés

December 28
96

$Z = 51,92 \parallel m$

űres = 248,3

Áram fel $\begin{cases} F = 148,0 \\ G = 88,2 \end{cases}$

$i = 0,8898$

$\frac{\delta}{i} = 176,3$

$\begin{array}{r} 348,2 \\ 148,0 \\ \hline \end{array} \quad \gamma = 156,9$

Áram le $\begin{cases} F = 348,2 \\ G = 88,0 \end{cases}$

$\frac{200,2}{200,2} \text{ corr } 199,4$

$Z = 59,05 \parallel m$ Jelykötés alá véle

űres = 248,2

Áram fel $\begin{cases} F = 131,8 \\ G = 89,1 \end{cases}$

$i = 0,8999$

$\frac{\delta}{i} = 203,0$

$\begin{array}{r} 365,1 \\ 131,8 \\ \hline \end{array} \quad \gamma = 182,7$

Áram le $\begin{cases} F = 365,1 \\ G = 89,1 \end{cases}$

$\frac{233,3}{233,3} \text{ corr } 232,5$

$Z = 61,60 \parallel m$

űres = 248,5

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Áram fel $\begin{cases} F = 127,0 \\ G = 88,3 \end{cases}$

$i = 0,8888$

$\frac{\delta}{i} = 272,9$

$\begin{array}{r} 368,6 \\ 127,0 \\ \hline \end{array} \quad \gamma = 189,2$

Áram le $\begin{cases} F = 368,6 \\ G = 87,7 \end{cases}$

$\frac{241,6}{241,6} \text{ corr } 240,8$

$Z = 68,23 \parallel m$

űres = 248,5

Áram fel $\begin{cases} F = 104,0 \\ G = 93,0 \end{cases}$

112,3

$i = 0,8893$

$\frac{\delta}{i} = 240,6$

87,9

$\begin{array}{r} 385,6 \\ 112,3 \\ \hline \end{array} \quad \gamma = 214,0$

Áram le $\begin{cases} F = 385,6 \\ G = 88,2 \end{cases}$

$\frac{273,3}{273,3} \text{ corr } 272,5$

$$\boxed{Z = 75,21} \text{ mm}$$

$$\bar{L}_{\text{res}} = 248,4$$

$$i = 0,8994$$

$$\text{Arum fel} \begin{cases} F = 92,2 \\ S = 89,7 \end{cases}$$

$$402,3$$

$$y = 242,5$$

$$\frac{y}{i} = 269,6$$

$$\underline{92,2}$$

$$310,1 \text{ corr } 309,3$$

$$\text{Arum fel} \begin{cases} F = 402,3 \\ S = 88,4 \end{cases}$$

$$\boxed{Z = 82,11} \text{ mm}$$

$$\bar{L}_{\text{res}} = 248,2$$

$$i = 0,8878$$

$$\text{Arum fel} \begin{cases} F = 80,0 \\ S = 88,5 \end{cases}$$

$$414,0$$

$$y = 260,9$$

$$\frac{y}{i} = 293,9$$

$$\underline{80,0}$$

$$334,0 \text{ corr } 333,2$$

$$\text{Arum le} \begin{cases} F = 414,0 \\ S = 87,3 \end{cases}$$

$$\boxed{Z = 90,07} \text{ mm}$$

$$\bar{L}_{\text{res}} = 248,2$$

$$i = 0,8772$$

$$\text{Arum fel} \begin{cases} F = 72,5 \\ S = 87,7 \end{cases}$$

$$420,6$$

$$y = 272,5 \quad 271,8$$

$$\frac{y}{i} = \frac{309,8}{310,6}$$

$$\underline{72,5}$$

$$348,1 \text{ corr } 347,3$$

$$\text{Arum le} \begin{cases} F = 420,6 \\ S = 86,0 \end{cases}$$

$$\boxed{Z = 94,56} \text{ mm}$$

$$\bar{L}_{\text{res}} = 248,3$$

$$i = 0,8640$$

$$\text{Arum fel} \begin{cases} F = 73,4 \\ S = 86,0 \end{cases}$$

$$420,9$$

$$y = 271,3$$

$$\frac{y}{i} = 314,0$$

$$\underline{73,4}$$

$$347,5 \text{ corr } 346,7$$

$$\text{Arum le} \begin{cases} F = 420,9 \\ S = 85,1 \end{cases}$$

B.M. 28

Magnetit

Szeptember 28

Áramm. hőmérséklet 20 C.

96.

Z a körirányú irányban $d = 90^\circ +$

$i = 0,10100$ g. Irótol. lávára 22 mm.

Erősebb jékhez lent.

$$\left| Z_k = 14,47 C \right|$$

$$\bar{u}_{\text{mcs}} = 248,1$$

Áram fel	$\left\{ \begin{array}{l} F = 217,9 \\ G = 97,7 \end{array} \right.$	278,8	$i = 0,9853$
		$\frac{217,9}{60,9}$		Corr. 60,4

Áram le	$\left\{ \begin{array}{l} F = 278,8 \\ G = 97,4 \end{array} \right.$	$\gamma =$
---------	--	------------

$$\left| Z_k = 15,38 \right|$$

$$\bar{u}_{\text{mcs}} = 249,0$$

Áram fel	$\left\{ \begin{array}{l} F = 218,7 \\ G = 97,0 \end{array} \right.$	$i = 0,9782$	$\gamma = 47,5$
		$\frac{279,4}{60,7}$	

$$\frac{\gamma}{i} = 48,6$$

Áram le	$\left\{ \begin{array}{l} F = 279,4 \\ G = 96,7 \end{array} \right.$	$\gamma =$
---------	--	------------

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$$\left| Z_k = 3,37 \right|$$

$$\bar{u}_{\text{mcs}} = 248,7$$

Áram fel	$\left\{ \begin{array}{l} F = 229,5 \\ G = 96,7 \end{array} \right.$	$i = 0,9767$	$\gamma = 30,2$
		$\frac{268,2}{38,7}$	

$$\frac{\gamma}{i} = 30,9$$

Áram le	$\left\{ \begin{array}{l} F = 268,2 \\ G = 96,7 \end{array} \right.$	$\gamma =$
---------	--	------------

$$\boxed{z = -0,04} \quad \text{con}$$

$$\ddot{u}_{\text{res}} = 248,6$$

$$\text{Arum fel} \begin{cases} F = 204,6 \\ G = 96,1 \end{cases}$$

$$i = 0,9706$$

$$\begin{array}{r} 262,6 \\ 204,6 \\ \hline 28,0 \end{array}$$

$$\gamma = 21,7$$

$$\frac{\delta}{i} = 22,3$$

$$\text{con. } 27,5$$

$$\text{Arum le} \begin{cases} F = 262,6 \\ G = 96,1 \end{cases}$$

$$\boxed{z = -3,10} \quad \text{con}$$

$$\ddot{u}_{\text{res}} =$$

$$\text{Arum fel} \begin{cases} F = 241,5 \\ G = 96,1 \end{cases}$$

$$i = 0,9706$$

$$\begin{array}{r} 258,1 \\ 241,5 \\ \hline 16,6 \end{array}$$

$$\gamma = 12,8$$

$$\frac{\delta}{i} = 13,2$$

$$\text{con. } 16,2$$

$$\text{Arum le} \begin{cases} F = 258,1 \\ G = 96,1 \end{cases}$$

Non homogène

Secur.
29

Kilajittas varind hurre mterj 80 c.

Drokkivind 22 m m

$$i = 0,109 g$$

$$\boxed{Z = 79,99} \text{ m}$$

$$u_{res} = 249,6$$

$$\text{Arum fel } \begin{cases} F = 239,6 & i = 0,8757 \\ S = 87,1 \end{cases}$$

$$y = 15,6$$

$$\frac{y}{i} =$$

$$\text{Arum le } \begin{cases} F = 259,9 \\ S = 86,3 \end{cases}$$

$$\begin{array}{r} 259,9 \\ 229,6 \\ \hline 20,3 \end{array}$$

avr. 19,8

$$\boxed{Z = 40,07} \text{ m}$$

$$u_{res} = 249,8$$

$$\text{Arum fel } \begin{cases} F = 245,6 & i = 0,8888 \\ S = 88,0 \end{cases}$$

$$\begin{array}{r} 254,3 \\ 245,6 \\ \hline 8,7 \end{array}$$

avr. 8,3

$$y = 6,6$$

$$\text{Arum le } \begin{cases} F = 254,3 \\ S = 88,0 \end{cases}$$

$$\boxed{Z = 80,20} \text{ m}$$

$$u_{res} = 250,1$$

$$\text{Arum fel } \begin{cases} F = 240,2 & i = 0,8686 \\ S = 86,0 \end{cases}$$

$$\begin{array}{r} 260,2 \\ 240,2 \\ \hline 20,0 \end{array}$$

avr. 19,5

$$y = 15,4$$

$$\text{Arum le } \begin{cases} F = 260,2 \\ S = 86,0 \end{cases}$$

$$\boxed{Z = 40,07} \text{ m}$$

$$u_{res} = 250,2$$

$$\text{Arum fel } \begin{cases} F = 246,1 & \\ S = 85,9 \end{cases}$$

$$\begin{array}{r} 255,1 \\ 246,1 \\ \hline 9,0 \end{array}$$

avr. 8,5

$$y = 6,7$$

$$\text{Arum le } \begin{cases} F = 255,1 \\ S = 86,0 \end{cases}$$

$$\boxed{Z = 50,05} \text{ m}$$

$$Z_{\text{m}} = 250,2$$

$$\text{Áramfel} \begin{cases} F = 244,9 \\ S = 86,11 \end{cases}$$

$$255,6$$

$$\gamma = 8,1$$

$$\text{Áramle} \begin{cases} F = 255,6 \\ S = 86,8 \end{cases}$$

$$\frac{244,9}{10,7}$$

$$\text{Cm. } 10,2$$

$$\boxed{Z = 29,96} \text{ m}$$

$$Z_{\text{m}} = 250,2$$

$$\text{Áramfel} \begin{cases} F = 246,5 \\ S = 87,11 \end{cases}$$

$$252,9$$

$$\gamma = 5,5$$

$$\text{Áramle} \begin{cases} F = 252,9 \\ S = 87,11 \end{cases}$$

$$\frac{246,5}{7,4}$$

$$\text{Cm. } 6,9$$

relatív

$$\text{Áramfel} \begin{cases} F = 246,0 \\ S = 97,9 \end{cases}$$

$$254,4$$

$$\text{Cm. } 7,9$$

$$\text{Áramle} \begin{cases} F = 254,4 \\ S = 98,0 \end{cases}$$

$$\frac{246,0}{8,4}$$

B. M. 29

December 29
96.

felénár mágnes

Komlóra

Dröbel tömeg 20 mm.

$i = 0,101 \text{ g}$

érett jelölés lent.

hossz = 90,40
M. 900.

$Z = -\infty$

$\ddot{m} = 256,5$

Arany fel. $\left\{ \begin{array}{l} F = 256,5 \quad 56,4 \\ G = 97,1 \end{array} \right.$

Arany le. $\left\{ \begin{array}{l} F = 256,5 \quad 57,0 \\ G = 97 \end{array} \right.$

Corr. 0,5

$Z = 90,50$ g

$\ddot{m} = 253,1$

$i = 0,19741$

450,4

54,9

395,5 Corr. 395,0

$\delta = 308,4$

$\frac{\delta}{i} = 316,6$

Arany fel. $\left\{ \begin{array}{l} F = 54,9 \\ G = 96,8 \end{array} \right.$

Arany le. $\left\{ \begin{array}{l} F = 450,4 \\ G = 96,1 \end{array} \right.$

$Z = 7,87$ g

$\ddot{m} = 253,2$

$i = 0,19762$

258,5

248,1

10,4 Corr. 9,9

$\delta = 7,8$

$\frac{\Delta \delta}{\Delta i} = 1,24$

Arany fel. $\left\{ \begin{array}{l} F = 248,1 \\ G = 97,0 \end{array} \right.$

Arany le. $\left\{ \begin{array}{l} F = 258,5 \\ G = 96,0 \end{array} \right.$

$\frac{\delta}{i} = 8,0$

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$$\boxed{Z = 15,34}$$

$$\ddot{u}_{\overline{25}|} = 252,3$$

$$\frac{\Delta \frac{x}{i}}{\Delta z} = 2,16$$

$$\text{Arann fel } \begin{cases} F = 238,2 \\ S = 96,1 \end{cases} \quad i = 0,9726$$

$$268,6$$

$$x = 23'6$$

$$\frac{x}{i} = 24,3$$

$$\text{Arann le } \begin{cases} F = 268,6 \\ S = 96,5 \end{cases}$$

$$258,3$$

$$\frac{258,3}{30,4} \text{ ann. } 29,9$$

$$\frac{\Delta \frac{x}{i}}{\Delta z} = 3,10$$

$$\boxed{Z = 22,41}$$

$$\ddot{u}_{\overline{25}|} = 252,3$$

$$\text{Arann fel } \begin{cases} F = 224,7 \\ S = 96,0 \end{cases} \quad i = 0,9696$$

$$282,0$$

$$x = 44'8$$

$$\frac{x}{i} = 46,2$$

$$\frac{224,7}{57,3} \text{ ann. } 56,8$$

$$\text{Arann le } \begin{cases} F = 282,0 \\ S = 96,0 \end{cases}$$

$$\frac{\Delta \frac{x}{i}}{\Delta z} = 3,92$$

$$\boxed{Z = 29,04} \quad \text{also } \ddot{u}_{\overline{25}|} \text{ also side}$$

$$\ddot{u}_{\overline{25}|} = 253,2$$

$$\text{Arann fel } \begin{cases} F = 208,6 \\ S = 96,3 \end{cases} \quad i = 0,9726$$

$$298,1$$

$$x = 70,2$$

$$\frac{x}{i} = 72,2$$

$$208,6$$

$$\frac{208,6}{89,5} \text{ ann. } 89,0$$

$$\text{Arann le } \begin{cases} F = 298,1 \\ S = 96,3 \end{cases}$$

$$\boxed{Z = 31,50}$$

$$\frac{\Delta \frac{x}{i}}{\Delta z} = 4,79$$

$$\ddot{u}_{\overline{25}|} =$$

$$\text{Arann fel } \begin{cases} F = 201,5 \\ S = 96,0 \end{cases} \quad i = 0,9726$$

$$x = 80,4$$

$$\frac{x}{i} = 83,7$$

$$305,0$$

$$201,5$$

$$\frac{201,5}{103,5} \text{ ann. } 103,0$$

$$\text{Arann le } \begin{cases} F = 305,0 \\ S = 96,3 \end{cases}$$

$$\boxed{Z = 37,65} \text{ mm}$$

$$\bar{n} = 250,3$$

$$\frac{\Delta \frac{\gamma}{i}}{\Delta z} = 5,07$$

$$\text{Arceau fcl} \begin{cases} F = 182,3 \\ S = 96,0 \end{cases} \quad i = 0,9706$$

$$\begin{array}{r} 324,8 \\ 182,3 \\ \hline 142,5 \end{array} \quad \gamma = 111,9$$

$$\frac{\gamma}{i} = 114,9$$

$$\text{Arceau le} \begin{cases} F = 324,8 \\ S = 96,5 \end{cases}$$

$$\frac{\Delta \frac{\gamma}{i}}{\Delta z} = 5,80$$

$$\boxed{Z = 45,06} \text{ mm}$$

$$\bar{n} = 250,0$$

$$\text{Arceau fcl} \begin{cases} F = 155,1 \\ S = 96,5 \end{cases} \quad i = 0,9721$$

$$\begin{array}{r} 350,6 \\ 155,1 \\ \hline 195,5 \end{array} \quad \gamma = 150,5$$

$$\frac{\gamma}{i} = 157,9$$

$$\text{Arceau le} \begin{cases} F = 350,6 \\ S = 96,0 \end{cases}$$

$$\boxed{Z = 30,65} \text{ mm}$$

$$\bar{n} = 250,2$$

$$\text{Arceau fcl} \begin{cases} F = 203,9 \\ S = 96,9 \end{cases} \quad i = 0,9741$$

$$\begin{array}{r} 302,3 \\ 203,9 \\ \hline 98,4 \end{array} \quad \gamma = 77,8$$

$$\frac{\gamma}{i} = \frac{79,4}{82,5}$$

$$\text{Arceau le} \begin{cases} F = 302,3 \\ S = 96,0 \end{cases}$$

$$\boxed{Z = 27,43} \text{ mm}$$

$$\bar{n} = 250,0$$

$$\text{Arceau fcl} \begin{cases} F = 212,9 \\ S = 96,8 \end{cases} \quad i = 0,9777$$

$$\begin{array}{r} 294,4 \\ 212,9 \\ \hline 81,5 \end{array} \quad \gamma = 63,9$$

$$\frac{\gamma}{i} = 65,4$$

$$\text{Arceau le} \begin{cases} F = 294,4 \\ S = 96,8 \end{cases}$$

$$\boxed{Z = 34,14} \text{ m}$$

$$\ddot{L} = 252,4$$

$$\text{Arany fel} \begin{cases} F = 193,9 \\ S = 96,9 \end{cases}$$

$$i = 0,9741$$

$$313,1$$

$$y = 92,6$$

$$\frac{K}{i} = 96,1$$

$$193,9$$

$$\hline 119,2 \text{ ca. } 118,7$$

$$\text{Arany le} \begin{cases} F = 313,1 \\ S = 96,0 \end{cases}$$

$$\boxed{Z = 41,84} \text{ m}$$

$$\ddot{L} = 252,5$$

$$\text{Arany fel} \begin{cases} F = 168,0 \\ S = 96,2 \end{cases}$$

$$i = 0,9716$$

$$329,5$$

$$y = 124,7$$

$$\frac{K}{i} = 128,6$$

$$168,0$$

$$\hline 171,5 \text{ ca. } 171,0$$

$$\text{Arany le} \begin{cases} F = 329,5 \\ S = 96,2 \end{cases}$$

$$\boxed{Z = 48,96} \text{ m}$$

$$\ddot{L} = 252,1$$

$$\text{Arany fel} \begin{cases} F = 141,5 \\ S = 96,0 \end{cases}$$

$$i = 0,9696$$

$$365,2$$

$$y = 175,6$$

$$\frac{K}{i} = 181,1$$

$$141,5$$

$$\hline 223,7 \text{ ca. } 222,2$$

$$\text{Arany le} \begin{cases} F = 365,2 \\ S = 96,0 \end{cases}$$

30 ikén ezzel.

$$\ddot{L} = 252,1$$

$$\text{Arany fel} \begin{cases} F = 154,0 \\ S = 86,0 \end{cases}$$

$$i = 0,8640$$

$$351,7$$

$$y = 155,2$$

$$\frac{K}{i} = 179,6$$

$$154,0$$

$$\hline 197,7 \text{ ca. } 197,2$$

$$\text{Arany le} \begin{cases} F = 351,7 \\ S = 85,1 \end{cases}$$

B.M. 00

Leveles 20
96

Feladat mérés (Közmű)
folyamat és mérték

$Z = 60,76 \text{ m}$

$i_{\text{mérés}} = 252,1$

Áram fel $\begin{cases} F = 120,0 \\ S = 85,0 \end{cases}$

$i = 0,8585$

$\gamma = 208'4$

$\frac{K}{i} = 242,8$

$\begin{matrix} 385,9 \\ 120,0 \\ \hline 265,9 \end{matrix}$ az $265,4$

Áram le $\begin{cases} F = 385,9 \\ S = 85,0 \end{cases}$

$Z = 74,28 \text{ m}$

$i_{\text{mérés}} = 252,1$

Áram fel $\begin{cases} F = 91,6 \\ S = 86,0 \end{cases}$

$i = 0,8681$

$\gamma = 252'2$

$\frac{K}{i} = 292,4$

$\begin{matrix} 414,0 \\ 91,6 \\ \hline 322,4 \end{matrix}$ az $321,9$

Áram le $\begin{cases} F = 414,0 \\ S = 85,9 \end{cases}$

$Z = 90,40 \text{ m}$

$i_{\text{mérés}} = 252,1$

Áram fel $\begin{cases} F = 76,0 \\ S = 86,2 \end{cases}$

$i = 0,8656$

$\gamma = 274'7$

$\frac{K}{i} = 317,3$

$\begin{matrix} 427,6 \\ 76,0 \\ \hline 351,6 \end{matrix}$ az $351,1$

Áram le $\begin{cases} F = 427,6 \\ S = 85,2 \end{cases}$

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Lign van ar elektronisnes

Ston 79,9 destilēt 30 min
 $i = 0,100 \text{ g}$

$Z = 79,94$

E irati jolm kat ārammā

masa = 252,5

Arām jēl	$F = 13,0$	$i = 0,6418$ $i^2 = 0,4119$	$F = 20,5$	$i = 0,6253$ $i^2 = 0,4006$	$F = 24,5$	$i = 0,6282$ $i^2 = 0,3947$
	$G = 63,9$	$\frac{486,5}{12,0}$ $\frac{473,5}{\text{masa } 473,0}$	$G = 63,1$	$\frac{481,9}{20,5}$ $\frac{461,4}{\text{masa } 461,0}$	$G = 62,2$	$\frac{478,7}{24,5}$ $\frac{454,2}{\text{masa } 453,7}$
Arām kē	$F = 486,5$	$\gamma = 0,67,3$	$F = 481,9$	$\gamma = 3,38,5$	$F = 478,7$	$\gamma = 353,0$
	$G = 63,2$	$\frac{\gamma}{i^2} = 891,7$	$G = 62,7$	$\frac{\gamma}{i^2} = 888,3$	$G = 62,2$	$\frac{\gamma}{i^2} = 894,3$

Arām jēl	$F = 45,2$	$i = 0,1944$ $i^2 = 0,3777$	$F = 63,0$	$69,6$	$i = 0,15525$ $i^2 = 0,02414$
	$G = 58,9$	$\frac{461,9}{45,2}$ $\frac{416,7}{\text{masa } 416,2}$	$G = 55,0$	$54,8$	$\frac{425,0}{69,6}$ $\frac{565,4}{\text{masa } 565,0}$
Arām kē	$F = 461,9$	$\gamma = 224,5$	$F = 436,3$	$425,0$	$\frac{\gamma}{i^2} = 901,7$
	$G = 58,8$	$\frac{\gamma}{i^2} = 918,5$	$G = 55,0$	$54,8$	

Solutim ~~masa = 252,5~~
 masa = 244,0

Arām jēl	$F = 18,6$	$i = 0,6242$ $i^2 = 0,3896$	$F = 22,6$	$F = 47,3$	$i = 0,5757$ $i^2 = 0,3313$
	$G = 62,4$	$\frac{466,0}{18,6}$ $\frac{443,4}{\text{masa } 443,0}$	$G = 61,8$	$G = 57,0$	$\frac{442,5}{47,3}$ $\frac{396,2}{\text{masa } 395,7}$
Arām kē	$F = 468,5$	$\gamma = 244,9$	$F = 466,0$	$F = 443,5$	$\gamma = 308,9$
	$G = 62,4$	$\frac{\gamma}{i^2} = 885,2$	$G = 61,8$	$G = 57,0$	$\frac{\gamma}{i^2} = 929,7$

D dēli jolm kat ārammā

masa = 247,0

Arām jēl	$F = 413,9$	$i = 0,5727$ $i^2 = 0,3280$	$F = 448,1$	$i = 0,6258$ $i^2 = 0,4042$	$F = 445,1$	$i = 0,640$ $i^2 = 0,4121$
	$G = 57,0$	$\frac{417,9}{85,2}$ $\frac{328,7}{\text{masa } 328,2}$	$G = 63,0$	$\frac{448,1}{45,5}$ $\frac{402,6}{\text{masa } 402,1}$	$G = 60,4$	$\frac{445,1}{52,8}$ $\frac{392,3}{\text{masa } 391,8}$
Arām kē	$F = 85,2$	$\gamma = 257,0$	$F = 45,5$	$\gamma = 313,8$	$F = 52,8$	$\gamma = 305,9$
	$G = 56,6$	$\frac{\gamma}{i^2} = 781,1$	$G = 62,9$	$\frac{\gamma}{i^2} = 773,8$	$G = 60,4$	$\frac{\gamma}{i^2} = 822,1$

E Erata plus lent, arant

	$i = 0,6207$	$i_{res} = 247,0$	
Arant fel	$F = 18,0$	$i^2 = 0,3852$	$F = 47,2$
	$S = 62,0$	$477,0$	$S = 56,9$
	$18,0$		$i = 0,5747$
	$459,0$		$i^2 = 0,3292$
	$458,5$		
Arant le	$F = 477,0$	$F = 447,1$	$447,2$
	$S = 62,9$	$S = 56,9$	$47,2$
	$x = 3566$		$299,5$
	$\frac{x}{i^2} = 896,7$		$an 299,4$
			$x = 211,8$
			$\frac{x}{i^2} = 944,3$

Z = 39,78

$i_{res} = 264,0$

E plus lent arant

Arant fel	$F = 152,6$	$i = 0,6062$	$F = 152,0$	$i = 0,62070$
	$S = 62,8$	$i^2 = 0,3675$	$S = 63,1$	$i^2 = 0,3852$
	$377,4$	$x = 425,8$		$\frac{x}{i^2} = 425,6$
	$152,6$			
Arant le	$F = 277,4$	$224,8$	$F = 277,5$	$277,5$
	$S = 63,2$	$an 224,0$	$S = 62,1$	$152,0$
	$x = 176,4$		$225,0$	
			$x = 176,9$	

D plus lent arant

Arant fel	$F = 165,0$	$i^2 = 0,4061$	$F = 161,2$
	$S = 63,8$	$363,0$	$S = 62,8$
	$165,0$	$x = 382,1$	$i_{res} 264,3$
	$198,0$		$F = 362,2$
	$an 197,5$		$S = 62,6$
Arant fel	$F = 363,0$	$x = 155,5$	
	$S = 62,1$		

Municipalva	Arant fel	$F = 368,0$	$264,0$
		$S = 63,0$	$63,0$
Arant le		$F = 161,0$	$an 165,0$
		$S = 62,0$	62

410
2721
1
8
5
1,8
005,9
822,1

$$Z = 30,20$$

E' lent, arany

Arany fel $\begin{cases} F = 188,5 \\ S = 62,2 \end{cases}$

Arany le $\begin{cases} F = 340,5 \\ S = 62,2 \end{cases}$

manuscript

185,0	184,6	187,1
62,2	62,0	62,0
342,2	341,8	341,1
62,2	62	62,0

$$Z = 29,95$$

Wing 185,6
 $S = 62,07$
 341,7
 $S = 62,07$

$i = 0,6270$
 $i^2 = 0,4058$
 341,7
 185,6
 156,1
 $S = 122,6$
 $\frac{S}{i} = 302,1$

E' lent arany

manuscript

Arany fel $\begin{cases} F = 141,8 \\ S = 62,8 \end{cases}$

Arany le $\begin{cases} F = 279,2 \\ S = 62 \end{cases}$

149,0	148,2	148,6
62	62,7	62,85
279,2	279,2	279,2
62	62,7	62,85

$i = 0,6248$
 $i^2 = 0,4000$
 279,2
 148,6
 230,6
 $S = 180,9$
 $\frac{S}{i} = 448,8$

$$Z = 50,00$$

MAGYAR TUDOMÁNYOS AKADÉMIA KÖNYVTÁRA

E' arany

manuscript

$\bar{a} = 264,5$

Arany fel $\begin{cases} F = 107,2 \\ S = 62,7 \end{cases}$

Arany le $\begin{cases} F = 421,8 \\ S = 62,7 \end{cases}$

106,0
62,7

428,2
62,7

B.M. 21

Kettős körös mérés

Szeptember 31

hőmérséklet 40,7°C. vaslevegő hőmérséklet 109°C.
északi víz 0,191 c. déli víz 0,163 c.

96

fel az északi víz
2,88 c. a víz tért
a déli víz 3,06-ra
a víz tért.

Dinamóval 30 mm.

Szállás 0,0101 g.

Carreter 0,5'

Északi juttatás lent.

Z = 86,96

W_{mes} = 258,1

Arany fel $\begin{cases} F = 209,1 & i = 0,911 \\ S = 99,2 & \end{cases}$
 $\frac{307,0}{209,1} = \gamma = 77,0$

$\frac{K}{i} = 84,5$

Arany le $\begin{cases} F = 307,0 \\ S = 90,2 \end{cases}$
 $\frac{307,0}{97,9} \text{ cm } 97,4$

Z = 40,78

W_{mes} = 258,8

Arany fel $\begin{cases} F = 210,5 & i = 0,909 \\ S = 89,9 & \end{cases}$
 $\frac{307,2}{210,5} = \gamma = 75,9$

$\frac{K}{i} = 83,5$

Arany le $\begin{cases} F = 307,2 \\ S = 90,4 \end{cases}$
 $\frac{307,2}{96,7} \text{ cm } 96,2$

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KÖNYVTÁRA

Z = 20,08 fel

W_{mes} = 244,6

Arany fel $\begin{cases} F = 220,4 & i = 0,8959 \\ S = 88,4 & \end{cases}$
 $\frac{269,1}{220,4} = \gamma = 38,2$

$\frac{K}{i} = 42,6$

Arany le $\begin{cases} F = 269,1 \\ S = 89,0 \end{cases}$

$$\boxed{Z = 22,15}$$

$$N_{\text{res}} = 244,5$$

$$\text{Arbeitspl} \left\{ \begin{array}{l} F = 217,4 \\ G = 85,7 \end{array} \right. \quad i = 0,8656$$

$$\begin{array}{r} 271,6 \\ 217,4 \\ \hline 54,2 \text{ um } 53,7 \end{array} \quad \gamma = 42,4$$

$$\frac{\gamma}{i^2} = 49,0$$

$$\text{Arbeitsle} \left\{ \begin{array}{l} F = 271,6 \\ G = 85,7 \end{array} \right.$$

$$\boxed{Z = 17,82}$$

$$N_{\text{res}} = 244,4$$

$$\text{Arbeitspl} \left\{ \begin{array}{l} F = 224,6 \\ G = 85,5 \end{array} \right. \quad i = 0,8626$$

$$\begin{array}{r} 264,1 \\ 224,6 \\ \hline 39,5 \text{ um } 29,0 \end{array} \quad \gamma = 20,8$$

$$\frac{\gamma}{i^2} = 35,7$$

$$\text{Arbeitsle} \left\{ \begin{array}{l} F = 264,1 \\ G = 85,5 \end{array} \right.$$

rechner

$$\text{Arbeitspl} \left\{ \begin{array}{l} 221,9 \\ 97,8 \end{array} \right. \quad i = 0,9893$$

$$\begin{array}{r} 266,6 \\ 221,9 \\ \hline 44,7 \text{ um } 44,2 \end{array} \quad \gamma = 34,9$$

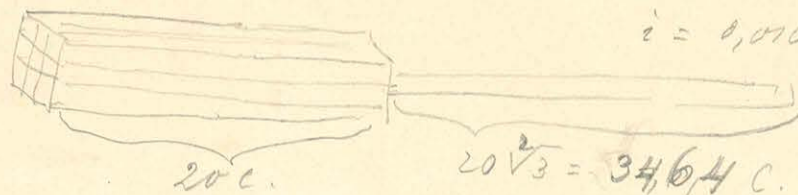
$$\frac{\gamma}{i^2} = 35,3$$

$$\text{Arbeitsle} \left\{ \begin{array}{l} 266,6 \\ 98,1 \end{array} \right.$$

$$N_{\text{res}} = 244,1$$

B. M. 22

Június 4.
1897.



Jókivétel 40. mm.
 $i = 0,0101 g.$

Művelet Correctio hipotézis a végén.
 $\ddot{u}res = 244,7$

$$\text{Arany fel} \left\{ \begin{array}{l} F = 244,2 \quad 244,7 \\ S = 96,6 \end{array} \right.$$

$$\text{Arany le} \left\{ \begin{array}{l} F = 245,2 \quad 245,7 \\ S = 96,6 \end{array} \right.$$

Correctio 1,0 ontagnál

$$\boxed{Z = 54,75}$$

$$\ddot{u}res = 244,5$$

$$\text{Arany fel} \left\{ \begin{array}{l} F = 166,7. \\ S = 96,0 \end{array} \right.$$

$$i = 0,9696$$

$$167,2$$

$$i = 0,9676.$$

$$95,4$$

$$323,0$$

$$322,8$$

$$166,7$$

$$\frac{156,1}{155,1} \text{ ann. } 155,1$$

$$323,0$$

$$167,2$$

$$155,8$$

$$\text{ann. } 154,8$$

$$\text{Arany le} \left\{ \begin{array}{l} F = 322,8 \\ S = 96,0 \end{array} \right.$$

$$96,2$$

$$\text{Korrig. } i = 0,9686 \text{ ann. } 154,9$$

$$x = 122,1$$

$$\frac{x}{i} = 126,2$$

$$\boxed{Z = 34,63} \text{ m}$$

$$\ddot{u}res = 244,0$$

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$$\text{Arany fel} \left\{ \begin{array}{l} F = 204,1 \\ S = 96 \end{array} \right.$$

$$204,3$$

$$i = 0,9696.$$

$$284,2$$

$$204,1$$

$$\frac{80,1}{80,1} \text{ ann. } 79,1$$

$$96$$

$$80,2 \text{ ann. } 79,2$$

$$\text{Arany le} \left\{ \begin{array}{l} F = 284,2 \\ S = 96 \end{array} \right.$$

$$284,5$$

$$x = 62,4$$

$$96$$

$$\frac{x}{i} = 64,4$$

Jan. 5. 1911.

Az elvétel

üzlet = 245,4

Arany fel $\begin{cases} F = 210,0 \\ S = 86,1 \end{cases}$

$$\begin{array}{r} 281,5 \\ 210,0 \\ \hline 71,5 \end{array} \text{ ar. } 70,6$$

$i = 0,8696$

$r = 55'7$

$\frac{r}{i} = 64,0$

Arany le $\begin{cases} F = 281,5 \\ S = 86,2 \end{cases}$

$Z = 38,41$

üzlet = 245,8

Arany fel $\begin{cases} F = 203,5 \\ S = 86,2 \end{cases}$

$$\begin{array}{r} 288,8 \\ 207,5 \\ \hline 81,3 \end{array} \text{ ar. } 81,4$$

~~204,5~~
~~84,0~~

202,8 $i = 0,8822$

87,5 $\frac{289,0}{86,2}$

$\frac{r}{i} = 76,2$

Arany le $\begin{cases} F = 288,8 \\ S = 87,2 \end{cases}$

$i = 0,8757$

287,0
87,2

Körp 89,9
 $i = 0,8790$ $r = 67'0$

$Z = 28,22$

üzlet = 245,8

Arany fel $\begin{cases} F = 217,9 \\ S = 88,5 \end{cases}$

$\frac{272,9}{217,9}$
 $\frac{56,0}{56,0}$ ar. 55,1

$i = 0,8910$

$r = 42'4$

$\frac{r}{i} = 48,7$

Arany le $\begin{cases} F = 273,9 \\ S = 88,0 \end{cases}$

$Z = 31,68$

üzlet = 246,0

$i = 0,8964$

$\frac{r}{i} = 56,6$

Arany fel $\begin{cases} F = 213,5 \\ S = 89,0 \end{cases}$

$\frac{278,7}{213,5}$
 $\frac{65,2}{65,2}$ ar. 64,3

$r = 50'7$

Arany le $\begin{cases} F = 278,7 \\ S = 88,5 \end{cases}$

$$\boxed{Z = 36,56}$$

$$i_{max} = 246,1$$

$$\text{Armed} \begin{cases} F = 206,6 \\ S = 86,2 \end{cases}$$

$$i = 0,8706$$

$$\frac{285,1}{206,6} \text{ corr. } 77,6$$

$$\frac{K}{i} = 70,3$$

$$\text{Armed} \begin{cases} F = 285,1 \\ S = 86,2 \end{cases}$$

$$\gamma = 61,2$$

$$\boxed{Z = 40,66}$$

$$i_{max} = 246,0$$

$$\text{Armed} \begin{cases} F = 198,1 \\ S = 87,4 \end{cases}$$

$$i = 0,8827$$

$$\frac{293,9}{198,1} \text{ corr. } 94,9$$

$$\gamma = 74,9$$

$$\frac{K}{i} = 84,9$$

$$\text{Armed} \begin{cases} F = 293,9 \\ S = 87,4 \end{cases}$$

redmedel delaktin

$$i_{max} = 246,0$$

$$\text{Armed} \begin{cases} F = 198,4 \\ S = 97,2 \end{cases}$$

$$193,1$$

$$\frac{299,2}{193,2} \text{ corr. } 105,0$$

$$i = 0,9817$$

$$\frac{K}{i} = 84,3$$

$$\text{Armed} \begin{cases} F = 299,2 \\ S = 97,0 \end{cases}$$

$$97,4$$

$$\gamma = 82,8$$

$$i_{max} = 246,0$$

redmedel delaktin

a fullständigt kapitaliserad värdepapperskurs

aktien

$$\text{Armed} \begin{cases} F = 193,2 \\ S = 97,0 \end{cases}$$

$$\frac{K}{i} = 84,3$$

$$\text{Armed} \begin{cases} F = 299,0 \\ S = 97 \end{cases}$$

$$\boxed{Z = 42,64}$$

$$i_{max} = 246,0$$

$$\text{Armed} \begin{cases} F = 188,5 \\ S = 97,0 \end{cases}$$

$$K = 89,797$$

$$\frac{303,6}{188,5}$$

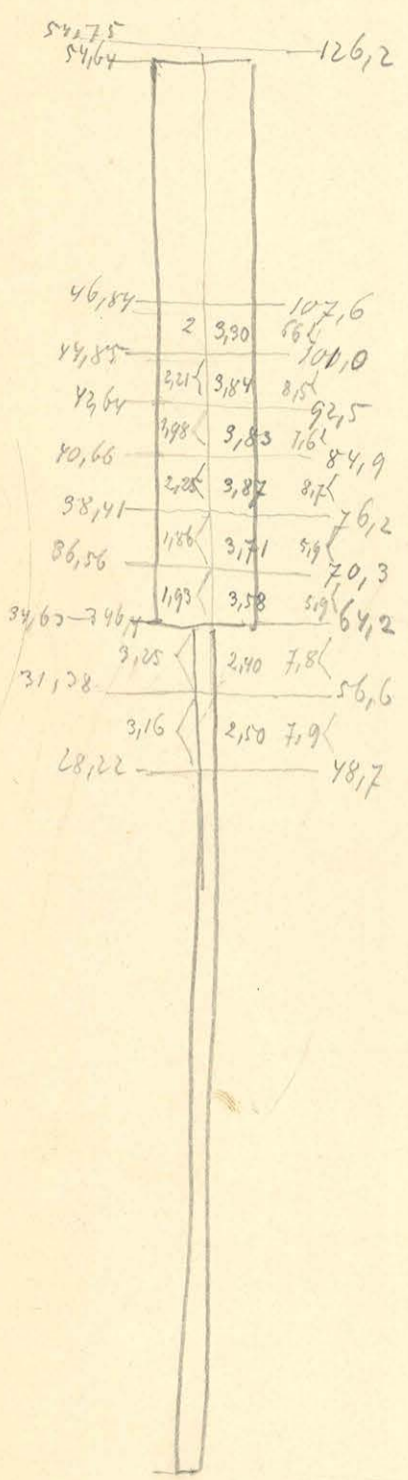
$$\gamma = 89,9$$

$$\frac{K}{i} = 91,9$$

$$\text{Armed} \begin{cases} F = 303,6 \\ S = 97,0 \end{cases}$$

$$\frac{303,6}{115,1} \text{ corr. } 114,1$$

redmedel delaktin
92,5



$$\boxed{K = 49,85}$$

ár 246,2

$$\text{Árnyék} \begin{cases} F = 184,5 \\ S = 95,7 \end{cases}$$

$$i = 0,9696$$

$$\frac{308,5}{184,5} \text{ ar. } 120$$

$$\frac{\gamma}{i} = 100,4$$

$$\text{Árnyék} \begin{cases} F = 308,5 \\ S = 96,2 \end{cases}$$

$$\gamma = 97,0$$

nyírtólán dolukon ar.
101,0

$$\boxed{Z = 46,84}$$

ár =

$$\text{Árnyék} \begin{cases} F = 179,5 \\ S = 96,4 \end{cases}$$

$$i = 0,9726$$

$$\frac{312,7}{179,5} \text{ ar. } 122,2$$

$$\gamma = 104,2$$

$$\frac{\gamma}{i} = 107,0$$

nyírtólán
107,6

$$\text{Árnyék} \begin{cases} F = 312,7 \\ S = 96,4 \end{cases}$$

Jan 6. délután sokáig azonos volt

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$$\text{Árnyék} \begin{cases} F = 184,8 \\ S = 89,8 \end{cases}$$

$$i = 0,947$$

$$\frac{308,5}{184,8} \text{ ar. } 122,8$$

$$\frac{\gamma}{i} = 106,7$$

nyírtólán al
107,3

$$\text{Árnyék} \begin{cases} F = 308,5 \\ S = 89,8 \end{cases}$$

$$\gamma = 96,8$$

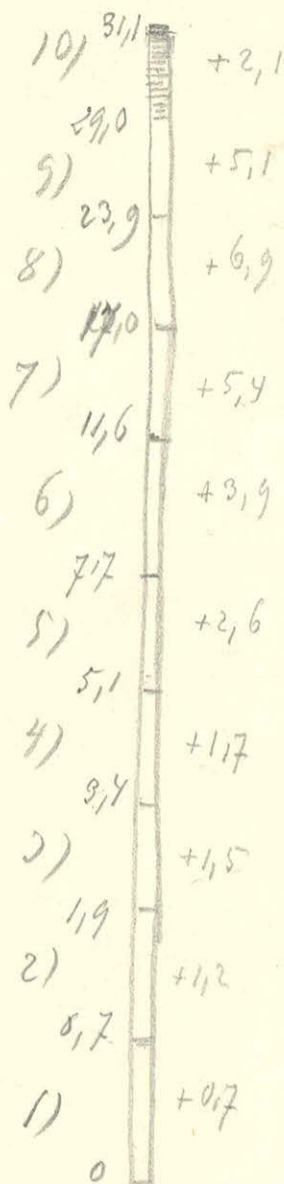
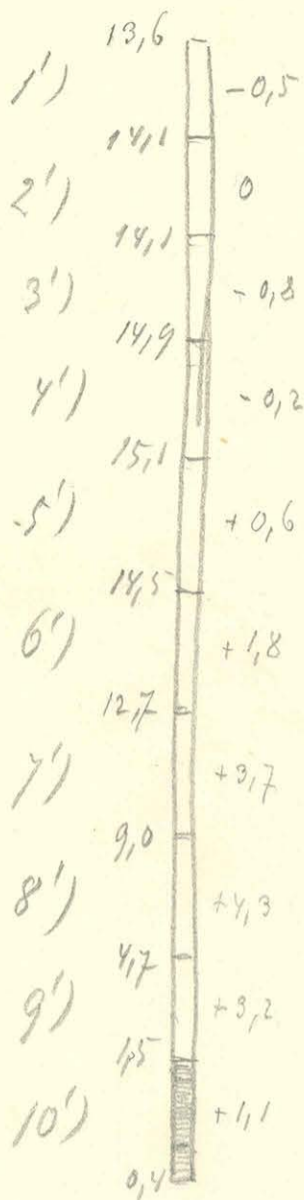
ár = 246,5

székeltől este 8 km

ár 246,6

$$\text{Árnyék} \begin{cases} F \\ S \end{cases}$$

$$\text{Árnyék} \begin{cases} F \\ S \end{cases}$$



$$1) = a_1 + b_1$$

$$1') = a_1 - b_1$$

$$a_1 = \frac{1+1'}{2} \quad b_1 = \frac{1-1'}{2}$$

- $a_1 = 0,1 - b_1 = 0,6$
- $a_2 = 0,6 - b_2 = 0,6$
- $a_3 = 0,95 - b_3 = 1,15$
- $a_4 = 0,75 - b_4 = 0,95$
- $a_5 = 1,6 - b_5 = 1,00$
- $a_6 = 2,65 - b_6 = 1,85$
- $a_7 = 4,55 - b_7 = 0,85$
- $a_8 = 5,6 - b_8 = 1,30$
- $a_9 = 4,15 - b_9 = 0,95$
- $a_{10} = 1,6 - b_{10} = 0,5$

- 0,7 1,2
- 1,1 2,1
- 4,25 2,05
- 10,15 2,15
- 5,75 1,0

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$$A + B = \cancel{447} = 31,1$$

$$A - B = \cancel{17,5} = 13,6$$

$$A = \frac{\cancel{447} + 17,5}{2} = 447$$

$$A = 22,35$$

$$B = 8,75$$

B.M. 23

Jan 9.
96

Mennyisége és ára. 3 liter teljes, 80 C. hőmérséklet.
 $i = 0,0101 g.$

$Z = 827,0$

ár = 254,0

Erősebb jellel kész.

Aranyold { F = 248,9
 { S = 80,7
 248,9
 80,4
 10,2

Aranyold { F = 259,1
 { S = 80,7
 259,1
 80,6
 Sóli jellel kész.

ár = 254,0

Aranyold { F = 258,7
 { S = 80,6
 258,7
 81,0
 9,3
 10,2
 9,2

Aranyold { F = 249,3
 { S = 80,9
 249,4
 81,0
 19,5
 9,75

$Z = 39,90$

ár = 254,4

Erősebb jellel kész.

Aranyold { F = 251,85
 { S = 82,1
 251,85
 81,4
 5,25

Aranyold { F = 257,1
 { S = 81,9
 257,1
 81,4
 Sóli jellel kész.

Aranyold { F = ~~256,6~~
 { S = 81,8
 256,5
 79,0
 4,20

Aranyold { F = 252,4
 { S = 81,8
 252,55
 80

5125
4120
9105
4172

$$Z = 19,85$$

Erre = 254,9
 Errehi polum lent.

Arum fel $\left\{ \begin{array}{l} F = 253,0 \\ S = 87,6 \end{array} \right.$ $\left. \begin{array}{l} 253,05 \\ 87,2 \end{array} \right\}$ 3,9

Arum le $\left\{ \begin{array}{l} F = 256,9 \\ S = 87,6 \end{array} \right.$ $\left. \begin{array}{l} 256,9 \\ 87,2 \end{array} \right.$

Deli polum lent.

Arum fel $\left\{ \begin{array}{l} F = 256,25 \\ S = 80,7 \end{array} \right.$ $\left. \begin{array}{l} 256,35 \\ 80,7 \end{array} \right.$ 2,9

Arum le $\left\{ \begin{array}{l} F = 253,5 \\ S = 87,2 \end{array} \right.$ $\left. \begin{array}{l} 253,6 \\ 80,7 \end{array} \right.$

$$\begin{array}{r} 2,9 \\ 2,8 \\ \hline 5,8 \\ 3,4 \end{array}$$

$$Z = 0$$

Erre hi polum lent.
 Erre = ~~254,9~~
 Errehi polum lent.

Arum fel $\left\{ \begin{array}{l} F = \frac{238,6}{\cancel{254,9}} \\ S = 80,6 \end{array} \right.$ 2,0

Arum le $\left\{ \begin{array}{l} F = 240,6 \\ S = 80,6 \end{array} \right.$

Deli polum lent.

Arum fel $\left\{ \begin{array}{l} F = 239,8 \\ S = 80,6 \end{array} \right.$ 0,9

Arum le $\left\{ \begin{array}{l} F = 240,2 \\ S = 80,6 \end{array} \right.$

$$\begin{array}{r} 2,0 \\ 0,9 \\ \hline 2,9 \\ 1,45 \end{array}$$

Delihi
 errehi polum lent

Arum fel $\left\{ \begin{array}{l} F = 239,1 \\ S = 93,0 \end{array} \right.$ 2,7

Arum le $\left\{ \begin{array}{l} F = 241,8 \\ S = 93,8 \end{array} \right.$

Deli polum lent

$$\begin{array}{r} 2,7 \\ 1,1 \\ \hline 3,8 \\ 1,9 \end{array}$$

Arum fel $\left\{ \begin{array}{l} F = 239,8 \\ S = 93,8 \end{array} \right.$

Arum le $\left\{ \begin{array}{l} F = 240,9 \\ S = 93,8 \end{array} \right.$

1,1

$$\boxed{Z = -8}$$

Erreiter polster lent. Area

$$\text{Arum fel} \begin{cases} F = 240,7 \\ S = 90,0 \end{cases}$$

1,9

$$\text{Arum le} \begin{cases} F = 242,6 \\ S = 91,0 \end{cases}$$

Sein polster lent

$$\text{Arum fel} \begin{cases} F = 241,8 \\ S = 91,2 \end{cases}$$

0,4

$$\begin{array}{r} 1,9 \\ 0,4 \\ \hline 2,3 \end{array}$$

$$\text{Arum le} \begin{cases} F = 241,4 \\ S = 91,2 \end{cases}$$

1,15

$$\boxed{Z = 30,05}$$

Area = 272,4

Erreiter polster lent,

$$\text{Arum fel} \begin{cases} F = 269,5 \\ S = 90,5 \end{cases}$$

5,9

$$\text{Arum le} \begin{cases} F = 275,4 \\ S = 90,5 \end{cases}$$

Sein polster lent,

$$\text{Arum fel} \begin{cases} F = 270,4 \\ S = 90,5 \end{cases}$$

4,5

$$\begin{array}{r} 5,9 \\ 4,5 \\ \hline 10,4 \\ 5,2 \end{array}$$

$$\text{Arum le} \begin{cases} F = 274,9 \\ S = 90,5 \end{cases}$$

Area 272,5

$$\boxed{Z = 50,10}$$

Ár = 272,2
Eszaki pólus lent

Árnyék fel $\left\{ \begin{array}{l} F = 267,9 \\ G = 90,8 \end{array} \right.$ 8,6

Árnyék le $\left\{ \begin{array}{l} F = 276,5 \\ G = 90,8 \end{array} \right.$

Déli pólus lent

Árnyék fel $\left\{ \begin{array}{l} F = 275,6 \\ G = 90,8 \end{array} \right.$ 6,6 $\begin{array}{r} 8,6 \\ 6,6 \\ \hline 15,2 \end{array}$

Árnyék le $\left\{ \begin{array}{l} F = 269,0 \\ G = 90,8 \end{array} \right.$ 7,6

$$\boxed{Z = 91,74}$$

Eszaki pólus lent
Ár = 280,4

Árnyék fel $\left\{ \begin{array}{l} F = 270,6 \\ G = 89,0 \end{array} \right.$ 12,5

Árnyék le $\left\{ \begin{array}{l} F = 287,1 \\ G = 89,0 \end{array} \right.$

Déli pólus lent

Árnyék fel $\left\{ \begin{array}{l} F = \overset{285,6}{\cancel{287,1}} \\ G = 88,1 \end{array} \right.$ 10,5 $\begin{array}{r} 12,5 \\ 10,5 \\ \hline 24,0 \end{array}$

Árnyék le $\left\{ \begin{array}{l} F = 275,1 \\ G = 89,0 \end{array} \right.$ 12,0

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D. M. 24

Vingyőre vonat Szegedre Teklén.

Jun 10
96

80 c. kőmi. Jolykötés

$$Z = 91,74 \text{ m}$$

úter. 280,9

E példán lant.

$$\text{Arany fel} \begin{cases} F = 276,2 \\ G = 74,2 \end{cases}$$

9,6

$$\text{Arany le} \begin{cases} F = 285,8 \\ G = 75,2 \end{cases}$$

D példán lant:

$$\text{Arany fel} \begin{cases} F = 284,6 \\ G = 75,2 \end{cases}$$

7,5

9,6

7,5

17,1

8,55

$$\text{Arany le} \begin{cases} F = 277,1 \\ G = 75,2 \end{cases}$$

$$Z = 80,26 \text{ m}$$

úter = 280,1

E példán lant.

$$\text{Arany fel} \begin{cases} F = 275,4 \\ G = 75,2 \end{cases}$$

9,5

$$\text{Arany le} \begin{cases} F = 284,9 \\ G = 75,2 \end{cases}$$

D példán lant.

HUNGARON TUDOMÁNYOS AKADEMA
KÖNYVTÁRA

$$\text{Arany fel} \begin{cases} F = 284,1 \\ G = 75,4 \end{cases}$$

7,8

$$\text{Arany le} \begin{cases} F = 276,2 & 75,4 \text{ re valószínű 276,2} \\ G = 77,4 \end{cases}$$

9,5

7,8

17,3

8,65

$$\boxed{Z = 70,03}$$

$$\bar{u}_{res} = 280,3$$

E' poles lent.

$$\text{Arrière} \left\{ \begin{array}{l} F = 275,65 \\ G = 78,0 \end{array} \right. \quad 9,3$$

$$\text{Arrière} \left\{ \begin{array}{l} F = 284,95 \\ G = 78 \end{array} \right.$$

D poles lent.

$$\text{Arrière} \left\{ \begin{array}{l} F = 276,6 \\ G = 78,0 \end{array} \right. \quad 7,4 \quad \begin{array}{r} 9,2 \\ 7,4 \\ \hline 16,7 \end{array}$$

$$\text{Arrière} \left\{ \begin{array}{l} F = 284,0 \\ G = 78 \end{array} \right. \quad 8,35$$

$$\boxed{Z = 60,04}$$

$$\bar{u}_{res} = 280,0$$

E' poles lent.

$$\text{Arrière} \left\{ \begin{array}{l} F = 276,0 \\ G = 78,9 \end{array} \right. \quad 8,1$$

$$\text{Arrière} \left\{ \begin{array}{l} F = 284,1 \\ G = 78,9 \end{array} \right.$$

D poles lent.

$$\text{Arrière} \left\{ \begin{array}{l} F = \del{276,9} 283,2 \\ G = 78,8 \end{array} \right. \quad 6,3 \quad \begin{array}{r} 8,1 \\ 6,2 \\ \hline 14,3 \end{array}$$

$$\text{Arrière} \left\{ \begin{array}{l} F = 276,9 \\ G = 79,0 \end{array} \right. \quad 7,2$$

$$Z = 49,95$$

E polus lens

lenses 242,1

$$\text{Arum fel} \begin{cases} F = 238,5 \\ G = 79,3 \end{cases}$$

7,5

$$\text{Arum le} \begin{cases} F = 246,0 \\ G = 79,8 \end{cases}$$

D polus lens

$$\text{Arum fel} \begin{cases} F = 239,7 \\ G = 79,6 \end{cases}$$

4,9 $\frac{7,5}{4,9}$
12,4
6,2

$$\text{Arum le} \begin{cases} F = 244,6 \\ G = 79,6 \end{cases}$$

$$Z = 39,92$$

lenses = 241,7

E polus lens

$$\text{Arum fel} \begin{cases} F = 238,8 \\ G = 80,1 \end{cases}$$

5,9

$$\text{Arum le} \begin{cases} F = 244,7 \\ G = 80,1 \end{cases}$$

D polus lens

$$\text{Arum fel} \begin{cases} F = 243,5 \\ G = 80,1 \end{cases}$$

3,6

$$\text{Arum le} \begin{cases} F = 239,9 \\ G = 80,1 \end{cases}$$

$\frac{5,9}{3,6}$
9,5
4,75

$$\boxed{Z = 29,98}$$

$\ddot{V} = 244,5$
 E⁺ jános lelt.

$$\text{Aranyfel} \begin{cases} F = 239,1 \\ G = 80,4 \end{cases}$$

4,9

$$\text{Aranyle} \begin{cases} F = 244,0 \\ G = 80,4 \end{cases}$$

D jános lelt.

$$\text{Aranyfel} \begin{cases} F = 240,1 \\ G = 80,4 \end{cases}$$

4
 2,8

4,9

2,8

7,7

3,85

$$\text{Aranyle} \begin{cases} F = 242,9 \\ G = 80,4 \end{cases}$$

$$\boxed{Z = 19,71}$$

$\ddot{V} = 241,7$
 E⁺ jános lelt.

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$$\text{Aranyfel} \begin{cases} F = 240,0 \\ G = 87,4 \end{cases}$$

3,6

$$\text{Aranyle} \begin{cases} F = 243,6 \\ G = 87,4 \end{cases}$$

D jános lelt.

$$\text{Aranyfel} \begin{cases} F = 242,5 \\ G = 87,4 \end{cases}$$

1,5

3,6

1,5

5,1

2,55

$$\text{Aranyle} \begin{cases} F = 241,0 \\ G = 87,4 \end{cases}$$

D. M. 25

$$\boxed{Z = 19,71}$$

Jan 10
selym
pogratu

$$\text{Arany} = 241,8$$

E' pelen lent.

$$\text{Arany pl} \begin{cases} F = 239,7 \\ G = 93,0 \end{cases}$$

4,6

$$\text{Arany le} \begin{cases} F = 244,3 \\ G = 92,0 \end{cases}$$

D pelen lent

$$\text{Arany fel} \begin{cases} F = 242,9 \\ G = 92 \end{cases}$$

2,0

4,6
2,0

6,6

$$\text{Arany le} \begin{cases} F = 240,9 \\ G = 92,0 \end{cases}$$

3,3

$$\boxed{Z = 10,04}$$

$$\text{Arany} = 240,0$$

E' pelen lent.

ELŐZŐK
HUNGARUS AKADEMIÁJA
KÖNYVTÁRA

$$\text{Arany fel} \begin{cases} F = 238,8 \\ G = 92,0 \end{cases}$$

2,8

$$\text{Arany le} \begin{cases} F = 241,6 \\ G = 93,0 \end{cases}$$

D pelen lent.

$$\text{Arany fel} \begin{cases} F = 240,5 \\ G = 92,0 \end{cases}$$

0,8

2,8
0,8

3,6

$$\text{Arany le} \begin{cases} F = 239,7 \\ G = 92,0 \end{cases}$$

1,8

$$\rightarrow \boxed{Z = 0,40} \text{ m}$$

$$v_{\text{mes}} = 243,5$$

E' palus lent.

$$\text{Armon fel} \begin{cases} F = 243,9 \\ S = 92,0 \end{cases}$$

1,0

$$\text{Armon le} \begin{cases} F = 244,1 \\ S = 92,0 \end{cases}$$

D palus lent.

$$\text{Armon fel} \begin{cases} F = 244,2 \\ S = 92,0 \end{cases}$$

1,1

1
1,1

$$\text{Armon le} \begin{cases} F = 243,1 \\ S = 92,0 \end{cases}$$

2,1 1,05

$$\sim \boxed{Z = -8,0} \sim$$

$$v_{\text{mes}} = 239,6$$

E' palus lent.

$$\text{Armon fel} \begin{cases} F = 239,1 \\ S = 92,0 \end{cases}$$

1,4

$$\text{Armon le} \begin{cases} F = 240,5 \\ S = 92,0 \end{cases}$$

D palus lent.

$$\text{Armon fel} \begin{cases} F = 240,6 \\ S = 92,0 \end{cases}$$

0,8

1,4
0,8
2,2

$$\text{Armon le} \begin{cases} F = 239,8 \\ S = 92,0 \end{cases}$$

1,1

Titulus hincupus alba.
Arum betul felverete.

$$\bar{v} = 240,7$$

Arum betul iggy verete mit mitus E plos lent.

$$\text{Arum fel } \left\{ \begin{array}{l} F = 229,1 \\ S = 124,9 \end{array} \right. \quad 3,5$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 242,6 \\ S = 124,9 \end{array} \right.$$

Arum betul iggy mit mitus D plos lent.

$$\text{Arum fel } \left\{ \begin{array}{l} F = 242,6 \\ S = 124,9 \end{array} \right. \quad 3,5$$

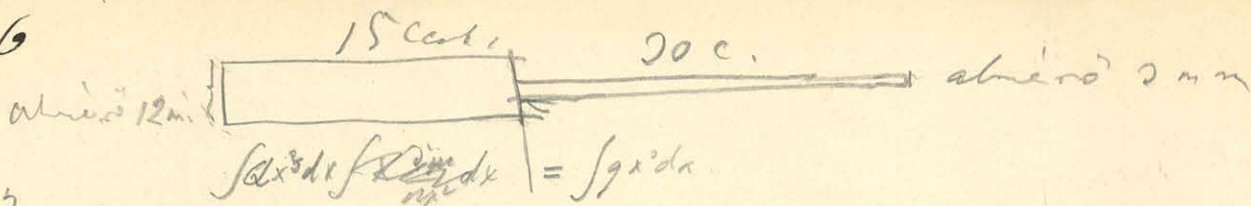
$$\text{Arum le } \left\{ \begin{array}{l} F = 229,1 \\ S = 124,9 \end{array} \right.$$

Titulus hincupus alba.

$$\text{Arum fel } \left\{ \begin{array}{l} F = 241,0 \\ S = 147,4 \end{array} \right.$$

$$\text{Arum le } \left\{ \begin{array}{l} F = 241,2 \\ S = 147,4 \end{array} \right.$$

B.M. 26



Jan 12

97.

$$\boxed{Z = 45,7}$$

$$\bar{h} = 229,4$$

Árnyék fel

$$\begin{cases} F = 188,5 & i = \\ S = 128,5 & 270,6 \\ & \frac{188,5}{82,1} \\ F = 270,6 & \\ S = 128,5 & \end{cases}$$

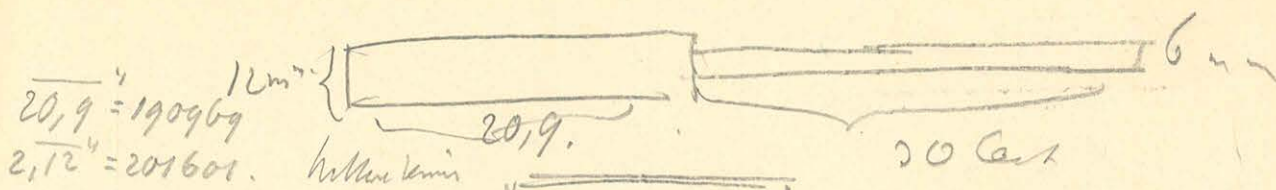
$$\underline{Z = 15,0}$$

$$\bar{h} = 229,5$$

Árnyék fel

$$\begin{cases} F = 209,9 \\ S = 128,5 & 249,4 \\ & \frac{209,9}{39,5} \\ F = 249,4 & \\ S = 128,5 & \end{cases}$$

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$$\frac{20,9^4}{2,12^4} = 190969$$

$$\frac{2,12^4}{20,9^4} = 1,055$$

Wahl der Lamin
21,22 mm

$$Z = 57,18$$

Wahl 250,6

Arbeitsle $\left\{ \begin{array}{l} F = \text{---} 104,0 \\ S = 138,0 \end{array} \right.$

$$\begin{array}{r} 399,4 \\ 104,0 \\ \hline 297,4 \end{array}$$

Arbeitsle $\left\{ \begin{array}{l} F = 399,4 \\ S = 137,4 \end{array} \right.$

$$Z = 20,83$$

Wahl = 248,6

Arbeitsle $\left\{ \begin{array}{l} F = 182,1 \\ S = 129,7 \end{array} \right.$

$$\begin{array}{r} 315,2 \\ 182,1 \\ \hline 133,2 \end{array}$$

Arbeitsle $\left\{ \begin{array}{l} F = 315,2 \\ S = 129,7 \end{array} \right.$

a. nicht zugfest sein über 5 mm. Länge
igro. miszgenosse.



$$Z = 50,50$$

Wahl 272

Arbeitsle $\left\{ \begin{array}{l} F = 117,1 \\ S = 127,8 \end{array} \right.$

$$\begin{array}{r} 426,6 \\ 117,1 \\ \hline 309,5 \end{array}$$

Arbeitsle $\left\{ \begin{array}{l} F = 426,6 \\ S = 126,8 \end{array} \right.$

$$Z = 20,90$$

Wahl 271,4

Arbeitsle $\left\{ \begin{array}{l} F = 200,2 \\ S = 126,0 \end{array} \right.$

$$\begin{array}{r} 342,0 \\ 200,2 \\ \hline 142,8 \end{array}$$

Arbeitsle $\left\{ \begin{array}{l} F = 342,0 \text{ (Wahl 343,0)} \\ S = 124,2 \end{array} \right.$

Netto höj mekanizme,
 kerrine kisedmiten class bid, 21

$$\boxed{Z = 40,08}$$

$$\text{Mora} = 250,5$$

$$\text{Arvut} \begin{cases} F = 170,9 & 140,0 & 170,4 \\ S = 128,2 \end{cases}$$

$$\text{Arvut} \begin{cases} F = 227,4 & \begin{array}{r} 227,4 \\ 170,4 \\ \hline 167,0 \end{array} \\ S = 140,0 \end{cases}$$

$$\boxed{Z = 20,02}$$

$$\text{Mora} = 250,8$$

$$\text{Arvut} \begin{cases} F = 211,0 \\ S = 129,0 \end{cases}$$

$$\text{Arvut} \begin{cases} F = 296,0 & \begin{array}{r} 296,0 \\ 211,0 \\ \hline 84,7 \end{array} \\ S = 129,0 \end{cases}$$

$$\boxed{Z = 18,04}$$

$$\text{Mora} = 250,0$$

$$\text{Arvut} \begin{cases} F = 216,6 \\ S = 138,8 \end{cases}$$

$$\text{Arvut} \begin{cases} F = 289,1 & 289,3 & \begin{array}{r} 289,3 \\ 216,6 \\ \hline 72,7 \end{array} \\ S = 128,1 \end{cases}$$

B.M. 97.

Január 17.
1897.

Kiselelt 1 méter hosszú $\frac{1}{2}$ c. átmérőjű ürdővel
szelvéssel - a kútról jövő víznyomás, és
influenzájának kiegészítésére azelőtt.

nívó hossza = 1002 mm.

átmérője = 5,3 mm.

szelvény szélessége 20 mm.

$i = 0,0001 g$.

hőmérséklet = 218 c.

$Z = -\infty$ Május utáni vízszint

csak a járd. víz beáramlása alak

nívó = 250,1

Arany fel $\begin{cases} F = 250,1 & 250,1 \\ S = 60 \end{cases}$

Arany le $\begin{cases} F = 250,4 & 250,5 \\ S = 60,2 \end{cases}$

Déli járd. víz.

$Z = 100,0$

nívó = 247,5

Arany fel $\begin{cases} F = 492,9 & i = 0,6060 \\ S = 60,0 \end{cases}$

$\frac{492,9}{4,8} = 102,6875$
488,1 cm. 488,5

Arany le $\begin{cases} F = 4,8 & \gamma = 379,2 \\ S = 60,0 \end{cases}$

valószínű nívó 248,6

Arany fel $\begin{cases} F = 496,0 & i = 0,6161 \\ S = 61,0 \end{cases}$

$\frac{496,0}{2,2} = 225,4545$
493,8 cm. 494,2

Arany le $\begin{cases} F = 2,2 & \gamma = 383,5 \\ S = 61,0 \end{cases}$

nívó = 248,6

~~feljebb feljebb!~~

Ar. 0,4 E járd. víz beáramlása
D jrd. víz beáramlása

2. u. 26.

$\frac{\gamma}{i} = 625,7$

2. u. 36.40

$\frac{\gamma}{i} = 622,5$

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$$\boxed{Z = 50,05}$$

Armen fel $\begin{cases} F = 369,2 \\ S = 60,4 \end{cases} \quad i = 0,6100$

Armen le $\begin{cases} F = 127,8 \\ S = 60,4 \end{cases} \quad \begin{array}{r} 369,2 \\ 127,8 \\ \hline 241,4 \end{array} \text{ con. } 241,8$

$\gamma = 190,0$

$$\frac{\gamma}{i} = 311,5$$

Armen fel $\begin{cases} F = \cancel{72,7} 423,9 \\ S = \cancel{88,0} 88,0 \end{cases} \quad i = 0,8888$

Armen le $\begin{cases} F = 72,7 \\ S = 88,0 \end{cases} \quad \begin{array}{r} 423,9 \\ 72,7 \\ \hline 351,2 \end{array} \text{ con. } 351,6$

$\gamma = 275,0$

$$\frac{\gamma}{i} = 309,4$$

$$\text{inres} = 248,2$$

$$\boxed{Z = 60,05}$$

Armen fel $\begin{cases} F = 460,0 \\ S = 85,8 \end{cases} \quad i = 0,8585$

Armen le $\begin{cases} F = 41,0 \\ S = 84,3 \end{cases} \quad \begin{array}{r} 460,0 \\ 41,0 \\ \hline 419,0 \end{array} \text{ con. } 419,4$

$\gamma = 227,0$

$$\frac{\gamma}{i} = 380,9$$

$$\text{inres} = 248,1$$

est 2615 m $\boxed{Z = 70,04}$

Armen fel $\begin{cases} F = 500,0 \\ S = 85,3 \end{cases} \quad i = 0,8615$

Armen le $\begin{cases} F = -1,0 \\ S = 85,7 \end{cases} \quad \begin{array}{r} 500,0 \\ -1 \\ \hline 501,0 \end{array} \text{ con. } 501,4$

$\gamma = 288,9$

$$\frac{\gamma}{i} = 457,4$$

$$\text{inres} = 248,8$$

$$\boxed{Z = 40,00}$$

$$\text{Armen fel} \begin{cases} F = 384,0 & i = 0,8636 \\ S = 85,3 \end{cases}$$

$$\frac{K}{i} = 239,9$$

$$\text{Armen le} \begin{cases} F = 120,5 & \begin{array}{r} 384,0 \\ 120,5 \\ \hline 263,5 \end{array} \text{ am } 263,9 \\ S = 85,7 & \gamma = 207,2 \end{cases}$$

$$\text{Armen } 253,0$$

$$\boxed{Z = 30,02}$$

$$\text{Armen fel} \begin{cases} F = 366,1 & i = 0,8666 \\ S = 85,7 \end{cases}$$

$$\frac{K}{i} = 170,8$$

$$\text{Armen le} \begin{cases} F = 178,6 & \begin{array}{r} 366,1 \\ 178,6 \\ \hline 187,5 \end{array} \text{ am } 187,9 \\ S = 85,9 & \gamma = 148,0 \end{cases}$$

$$\text{Armen } = 272,0$$

$$\boxed{Z = 99,80}$$

$$\text{Armen } = 252,0$$

$$\text{Armen fel} \begin{cases} F = 488,5 & i = 0,606 \\ S = 60,0 \end{cases}$$

$$\frac{K}{i} = 604,6$$

$$\text{Armen le} \begin{cases} F = 17,5 & \begin{array}{r} 488,5 \\ 17,5 \\ \hline 471,0 \end{array} \text{ am } 471,4 \\ S = 60,0 & \gamma = 266,4 \end{cases}$$

$$\text{Armen } 252,1$$

$$\text{Armen le } Z = 100,10$$

$$\text{Armen } 249,5$$

$$\text{Armen fel} \begin{cases} F = 487,0 & i = 0,604 \\ S = 59,8 \end{cases}$$

$$\frac{K}{i} = 611,4$$

$$\text{Armen le} \begin{cases} F = 13,1 & \begin{array}{r} 487,0 \\ 13,1 \\ \hline 474,9 \end{array} \text{ am } 475,3 \\ S = 59,8 & \gamma = 369,0 \end{cases}$$

\bar{L}_1 jutalom levél.

$Z = 100,04$

összes = 250,5

$$\text{Arany fel} \begin{cases} F = 15,0 & i = 0,6045 \\ S = 59,8 \end{cases}$$

486,5

$$\frac{K}{i} = \frac{605,5}{1,0}$$

$$\text{Arany le} \begin{cases} F = 486,5 \\ S = 59,9 \end{cases}$$

$$\frac{15,0}{471,5} \text{ ar. } 471,1$$

$\gamma = 366,8$

összes = 250,4

$Z = 50,04$

összes 250,5

$$\text{Arany fel} \begin{cases} F = 91,5 & i = 0,8575 \\ S = 84,7 \end{cases}$$

410,8

$$\frac{K}{i} = 291,3$$

$$\text{Arany le} \begin{cases} F = 410,8 \\ S = 85,1 \end{cases}$$

$$\frac{91,5}{319,3} \text{ ar. } 318,9$$

$\gamma = 249,8$

összes = 250,6

$Z = 60,05$

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$$\text{Arany fel} \begin{cases} F = 59,0 & i = 0,8403 \\ S = 82,6 \end{cases}$$

445,4

$$\frac{K}{i} = 358,8$$

$$\text{Arany le} \begin{cases} F = 445,4 \\ S = 83,8 \end{cases}$$

$$\frac{59,0}{386,4} \text{ ar. } 386$$

összes = 250,6 $\gamma = 307,5$

$Z = 70,00$

összes = 249,9

$$\text{Arany fel} \begin{cases} F = 171,9 & 0,8464 \\ S = 83,8 \end{cases}$$

482,5

$$\frac{K}{i} = 426,3$$

$$\text{Arany le} \begin{cases} F = 482,5 \\ S = 83,8 \end{cases}$$

$$\frac{171,9}{464,6} \text{ ar. } 464,2$$

$\gamma = 260,8$

E próba l 2,

B. M.

38

Január 18
1896
nyelvi 8h.30

Z = 70,00

Aranyfel $\begin{cases} F = 60,1 \\ S = 69,0 \end{cases}$

$i = 0,707.$

$\frac{444,1}{60,1} \text{ ar. } 7,38$
 $\frac{584,0}{299,6} \text{ ar. } 1,95$
 $\gamma = 300,2$

$\frac{\gamma}{i} = 424,6$

Aranyle $\begin{cases} F = 444,1 \\ S = 71,0 \end{cases}$

ár = 249,2

Aranyfel $\begin{cases} F = 52,5 \\ S = 71,9 \end{cases}$

$i = 0,7272$

$\frac{447,8}{52,5} \text{ ar. } 8,53$
 $\frac{395,3}{208,7} \text{ ar. } 1,89$

$\frac{\gamma}{i} = 430,2$

Aranyle $\begin{cases} F = 447,8 \\ S = 72,1 \end{cases}$

Z = 80,00

ár = 250,0

Aranyfel $\begin{cases} F = 20,5 \\ S = 71,8 \end{cases}$

$i = 0,7292$

$\frac{483,5}{20,5} \text{ ar. } 23,6$
 $\frac{462,0}{360,0} \text{ ar. } 1,28$
 $\gamma = 360,0$

$\frac{\gamma}{i} = 494,1$

Aranyle $\begin{cases} F = 483,5 \\ S = 72,6 \end{cases}$

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Aranyfel $\begin{cases} F = 55,7 \\ S = 61,0 \end{cases}$

$i = 0,6161$

$\frac{445,4}{55,7} \text{ ar. } 7,99$
 $\frac{389,7}{304,6} \text{ ar. } 1,28$
 $\gamma = 304,6$

$\frac{\gamma}{i} = 492,4$

Aranyle $\begin{cases} F = 445,4 \\ S = 61,0 \end{cases}$

$$\boxed{Z = 90,00} \sim$$

$$\ddot{K}_{\text{res}} = 250,0$$

$$\text{Arbeitslohn} \begin{cases} F = 31,1 \\ S = 60,0 \end{cases}$$

$$i = 0,6125$$

$$472,0$$

$$31,1$$

$$\hline 440,9 \text{ an } 440,9$$

$$\text{Arbeitslohn} \begin{cases} F = 472,0 \\ S = 61,0 \end{cases}$$

$$r = 242,3$$

$$\frac{r}{i} = 560,5$$

$$\boxed{Z = 100,2} \sim$$

$$\ddot{K}_{\text{res}} = 252,9$$

$$\text{Arbeitslohn} \begin{cases} F = 14,8 \\ S = 61,4 \end{cases}$$

$$i = 0,6201$$

$$491,0$$

$$14,8$$

$$\hline 476,2$$

$$\text{Arbeitslohn} \begin{cases} F = 491,0 \\ S = 61,4 \end{cases}$$

$$r = 369,9$$

$$\frac{r}{i} = 596,5$$

$$\boxed{Z = 49,98} \sim$$

$$\ddot{K}_{\text{res}} = 250,2$$

$$\text{Arbeitslohn} \begin{cases} F = 120,3 \\ S = 72,2 \end{cases}$$

$$i = 0,7040$$

$$388,5$$

$$120,3$$

$$\hline 268,2 \text{ an } 267,8$$

$$\text{Arbeitslohn} \begin{cases} F = 388,5 \\ S = 73,2 \end{cases}$$

$$r = 210,0$$

$$\frac{r}{i} = 286,4$$

$$\boxed{Z = 40,00} \sim$$

$$\ddot{K}_{\text{res}} = 250,0$$

$$\text{Arbeitslohn} \begin{cases} F = 148,6 \\ S = 73,0 \end{cases}$$

$$i = 0,7420$$

$$358,1$$

$$148,6$$

$$\hline 209,5 \text{ an } 209,1$$

$$\text{Arbeitslohn} \begin{cases} F = 358,1 \\ S = 74,0 \end{cases}$$

$$r = 164,5$$

$$\frac{r}{i} = 221,6$$

Jan 19 versd.

$Z = 40,00$

Winn 252,2

Absatz $\begin{cases} F = 152,1 \\ S = 72,0 \end{cases} \quad i = 0,7322$

$\frac{F}{i} = 217,0$

Absatz $\begin{cases} F = 354,3 \\ S = 73,0 \end{cases} \quad \begin{array}{r} 354,3 \\ 152,1 \\ \hline 202,2 \end{array} \text{ am } 201,8$
 $\gamma = 158,9$

$Z = 30,00$

Winn 257,0

Absatz $\begin{cases} F = 182,3 \\ S = 72,0 \end{cases} \quad i = 0,7243$

$\frac{F}{i} = 152,8$

Absatz $\begin{cases} F = 325,1 \\ S = 72,4 \end{cases} \quad \begin{array}{r} 325,1 \\ 182,3 \\ \hline 142,8 \end{array} \text{ am } 142,4$
 $\gamma = 112,2$

$Z = 19,95$

Winn = 252,8

Absatz $\begin{cases} F = 211,0 \\ S = 72,6 \end{cases} \quad i = 0,7202$

$\frac{F}{i} = 90,2$

Absatz $\begin{cases} F = 294,6 \\ S = 72,0 \end{cases} \quad \begin{array}{r} 294,6 \\ 211,0 \\ \hline 83,6 \end{array} \text{ am } 83,2$
 $\gamma = 65,9$

$Z = 10,00$

Winn = 257,0

Absatz $\begin{cases} F = 227,8 \\ S = 68,8 \end{cases} \quad i = 70,4$

$\frac{F}{i} = 33,6$

$\begin{cases} F = 268,2 \\ S = 70,6 \end{cases} \quad \begin{array}{r} 268,2 \\ 227,8 \\ \hline 30,4 \end{array} \text{ am } 30,0$
 $\gamma = 23,7$

Debetum az alábbi

Z = 10,00

Aranyfel { F = 234,7
S = 83,4

i = 28489

271,0
234,7
36,3 am 35,9

$\frac{S}{i} = 33,4$

Aranyle { F = 271,0
S = 84,7

r = 28'4

Z = 0

Arany 252,1

Aranyfel { F = 251,9
S = 85,0

251,9

0,6 am 0,2

$\frac{r}{i} = 0,2$

Aranyle { F = 252,5
S = 85,0

252,5

r = 0,16

Z = 99,97

Arany = 248,8

Aranyfel { F = 11,8
S = 60,8

i = 0,6165

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$\frac{S}{i} = 601,2$

Aranyle { F = 489,0
S = 61,2

489,0
44,8
477,2 am 476,8

r = 370'4

Am 20 kint d.e. nygony

Arany = 248,4

Aranyfel { F = 17,2
S = 59,4

481,0

Aranyle { F = 481,0
S = 59,4

17,2
463,8 am 463,4