

Ms 5097/55-57. Eötvös Loránd jezsuitai Folyóirat
felméri fenntartása

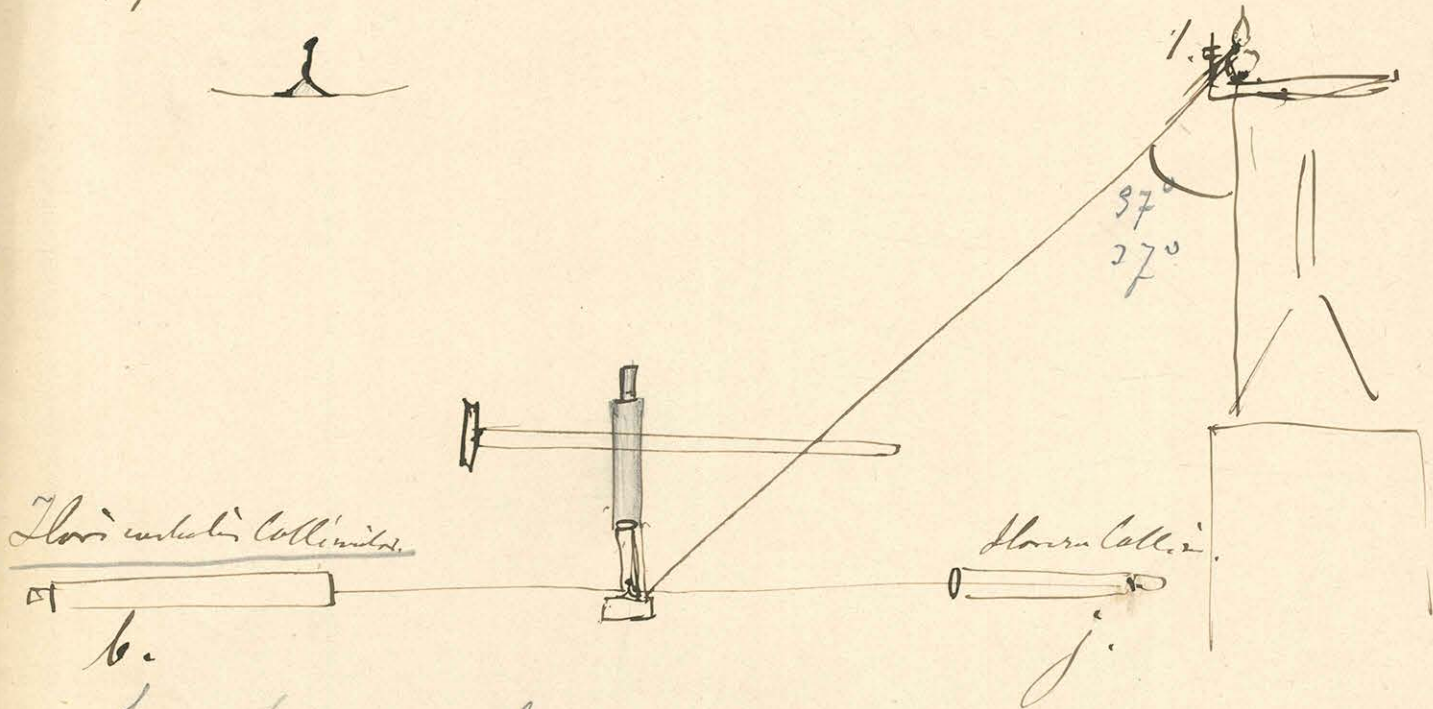
3 kötet bor.

M. TUD. AKADEMIA
KÉZIRATI ÉS NYOMDANYV TÁR
1772 EV 17 SZ

Kiristet 1880 Februar 2 ikun.

Trayys - aldat bat mein an hasty out felhujra.

1



~~h.~~
 1) 228) 623
 2) 105) 488
 3) 117) 488

~~e.~~
 98) 484
 82) 633
 215) 633

53

$$\left\{ \begin{array}{l} \theta_1 = 18^\circ 30' \\ \theta_2 = 45^\circ \\ \theta_3 = 90^\circ \end{array} \right. \begin{array}{l} x_1 - x_2 = 1,2626 \\ x_2 - x_3 = 0,483 \end{array}$$

~~225) 623
 102) 488
 114) 488~~

~~94) 486
 80) 632
 212) 632~~

136
 136) 480
 116) 600
 249) 600

630	+3	631,3	780	+7	+3
	+2			+6	483
	+3			+6	2
	+0			+5	
	+0			+4	
	+2			+5	
	-1			+2	
	+0			+0	
	+5			+1	
	+1			+3	

Tris meinis kun.

e.	e.
120) 482	127) 479
112) 482	106) 479

e.	e.
123) 485	123) 485
108) 630	108) 629
238) 630	237) 629

e.	e.
120) 484	120) 482
104) 630	102) 482
234) 630	234) 632

Kij meinis kun.

119) 480	119) 481	116) 483
99) 633	100) 630	99) 631
232	230) 630	230) 631

$$d_1 = 18^\circ 30'$$

$$\frac{d_1}{2} = 9^\circ 15'$$

$$\omega \frac{d_1}{2} = 0,9869964$$

$$\begin{array}{r} 9238795 \\ \hline 0,0631869 \end{array}$$

$$\frac{d_1}{4} = 4^\circ 37\frac{1}{2}'$$

$$\log \frac{d_1}{4} = 8,9074096$$

$$\begin{array}{r} 18711 \\ \hline 8,9075407 \\ 9,2986618 \\ \hline 0,3911211 \\ 51513 \\ \hline 11,733633 \\ 3911211 \\ \hline 19,556055 \\ 3911211 \\ \hline 3911211 \end{array}$$

$$\log 0,45029772243$$

$$\log 0,0631869$$

$$\log 0,3871808 = 0,5879129 - 1$$

$$\log N_{18^\circ 30' / 45^\circ} = 0,7384279$$

$$N_{18^\circ 30' / 45^\circ} = 0,54755$$

$$\log 1,2626 = 0,1012658$$

$$\log 4,12 = 0,3628379$$

$$\underline{\underline{a_{12} = 2,3059}}$$

$$d_2 = 50^\circ$$

$$\frac{d_2}{2} = 25^\circ$$

$$\omega \frac{d_2}{2} = 0,7071068$$

$$\begin{array}{r} 9238795 \\ \hline 0,2167727 \end{array}$$

$$\frac{d_2}{4} = 22^\circ 30'$$

$$\log \frac{d_2}{4} = 9,6172243$$

$$\begin{array}{r} 9,2986618 \\ \hline 0,3185625 \\ 11512 \\ \hline 9,556875 \\ 3185625 \\ \hline 15,928125 \\ 3185625 \\ \hline 3185625 \end{array}$$

$$\log 0,36676100625$$

$$\log 0,2167727$$

$$\log 0,1499883 = 0,1760623 - 1$$

$$\log N_{45^\circ / 50^\circ} = 0,3265773$$

$$N_{45^\circ / 50^\circ} = 0,21212$$

$$a_{20}$$

$$\log 0,487 = 0,6829471 - 1$$

$$\begin{array}{r} 3265773 \\ \hline 0,3573698 \end{array}$$

$$\underline{\underline{a_{20} = 2,2770}}$$

Atin J. d. e-10.

17)325
92)196)354
15)326
91)197)356

132)325
207)67)360

Adontalaj
Vertikal
erkek

3635' 1
Frögners 55°10' 2
83°10' 3

$$N_{12} = 0,26890 \text{ by } N_{12} = 0,4295816 -1$$

Martin J. d. 120.

fin olaj

144)324
318)75)357
144)326
220)78)358

$$N_{20} = 0,24050 \text{ by } N_{20} = 0,3864977 -1$$

d. n. 10.

240)67)327
171)171)354
242)69)327
171)171)352

Menisken ~~fény~~ olajjára a táblás papírral

49)120)321
223)223)353

Ugyanaz a delu 4/5 65/100

105)322
177)177)358
25)85)40

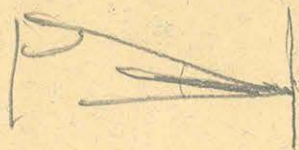
101)323
174)174)357
31)12)37

Magyarokra öntve a víz töltés
a víz egy keletlen

152)326
228)228)353
81

13)325
87)192)355
15)90)325
90)150)350
leve 359 = a = 2,67
325 = a = 2,67

$$\log 45^\circ$$



$$\log 45^\circ + \frac{20^\circ 15'}{2}$$

$$10^\circ 7'$$

$$79^\circ 52'$$

$$D_2 \sin 39^\circ 56' = 0,641899$$

$$D_0 \sin 45^\circ = 0,707107$$

$$D_1 \sin 22^\circ 30' = 0,382683$$

$$\sin D_1 - \sin D_2 = 0,065208 \log = 0,814301 - 2$$

$$\log R_2 = 0,150515$$

$$\log R_{12} = 0,964816 - 2$$

$$\sin D_2 - \sin D_1 = 0,324424 \log = 0,511115 - 1$$

$$0,50515$$

$$0,005965 - 1$$

$$\sin D_2 - \sin D_1 = 0,259216$$

$$\log \frac{R_{12}}{21}$$

$$\log = 0,413661 - 1$$

$$150515$$

$$8,564176 - 1$$

$$\log 0,322219 - 1$$

$$0,904816 - 2$$

$$\log R_{21} = 0,417403 \quad R_{21} \quad 2,614$$

$$939519$$

$$564176$$

$$965343$$

$$\underline{2,319}$$

$$\log 0,259216 - 1$$

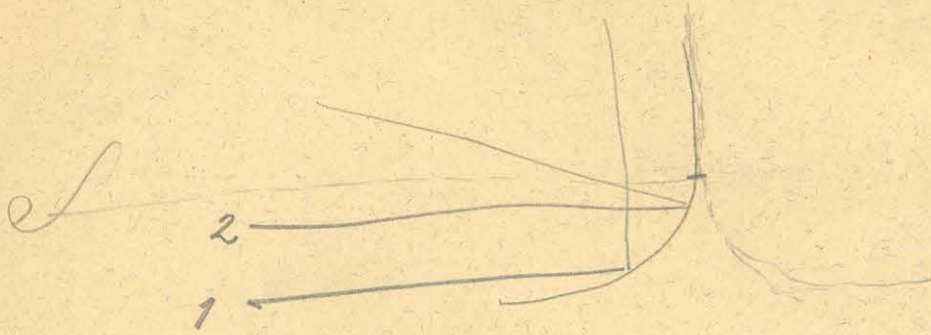
$$0,61030 - 1$$

$$0,279887$$

1568

1568

Spannverhältnisse in geg. Kanten



\int 11,5
 2. 52
 1. 22

~~1. 19~~
~~2. 50~~

\int _____
 170
 180
 175
 180
 177
 178
 1064 | 174
 40,5
 42
 42
 41
 44
 43
 2525
 Kriep = 0,4,208
 174

~~\int 10
 2. 59
 1. _____~~

~~\int 10
 2. 55
 1. 35~~

~~1. 30
 2. 56
 \int _____~~

1. 34) 177
 2. 57)
 \int 12) 44

$\delta_2 = \frac{\pi}{2}$

$\delta_2 = 79^{\circ}52'$

$\delta_1 = 45^{\circ}$

\int 17) 42
 2. 59)
 1. 38) 179

\int 17) 41
 2. 58)
 1. 38) 280

\int 19
 2.
 1.

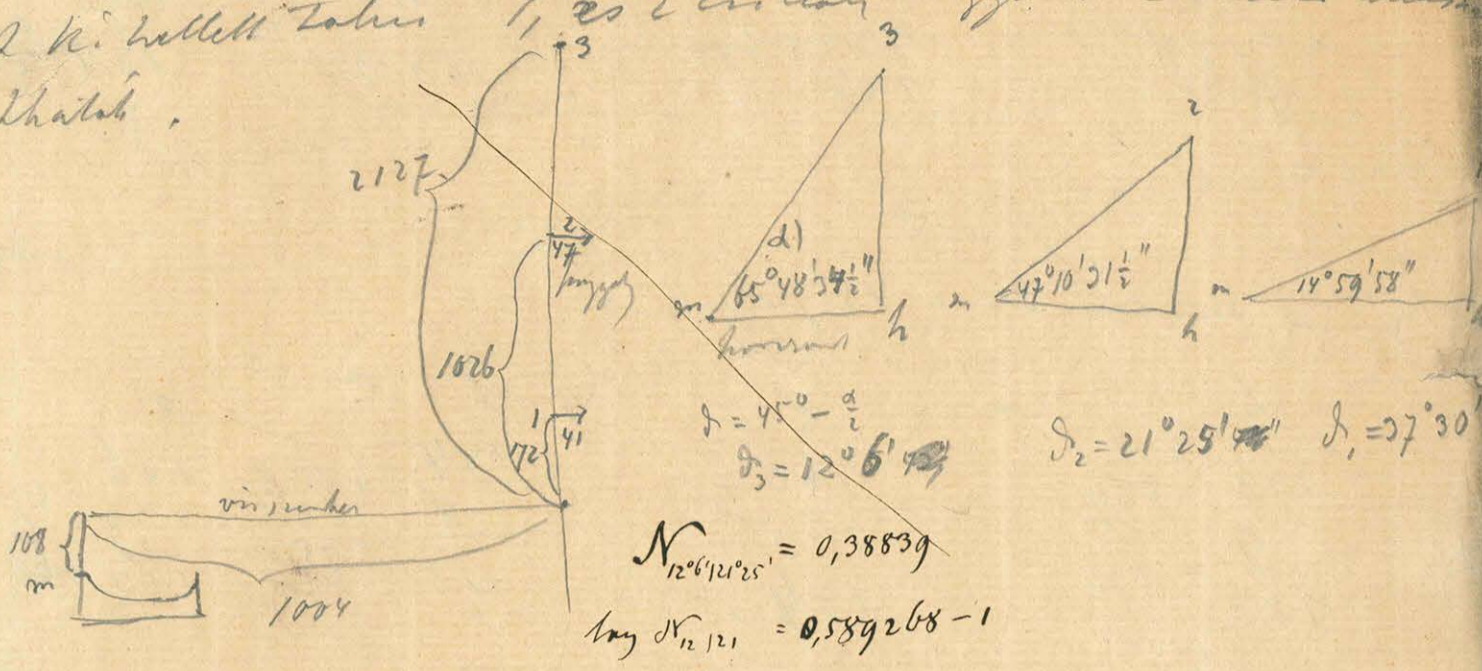
Kriep = $\frac{0,21}{0,87}$

$(\delta_2) = 0,21$ — $a_{22} = 2,2772$
 $(21) = 0,87$ — $a_{21} = 2,3734$

Köjönsigen destillat vög

Felönke 81 Octaber 4 iken delat 10 oraker.

Spögletet levne geometrisken + en plet vinstyori gijgud m ij
 Katholomale Läsövöret a 3-at jökt vilora beall. Läsövret m vör
 var ki. hallett Läsövret 1, 2, 3 vilora uggjason oculai allas
 läthata.



$N_{12^{\circ}6'12''25'} = 0,38839$
 $\log N_{12^{\circ}6'12''25'} = 0,589268 - 1$

Expletur 10 oraker a felönke vitari arvund.

hata	clara	hata	clara
3) 164 2) 109 1) 183	1) 165 2) 0 3) 157	166 14 180	1) 165 } 585 2) 0 } 2) 245 } 658 3) 153 }
			585 a = 3,262 65715 a

Uggjason 11 oraker.

h.	e.	h.	e.
164, 654	168, 576	162, 652	167, 577
10, 576	244, 653	10, 576	244, 652
184	147	181	146

Uggjason 12 oraker.

h	e	h	e
152, 648	166, 575	151, 648	163, 574
4, 574	241	3, 574	237, 650
180	235, 650	179	137
	135		

Magyarország. 12 óra 45 perces.

h.	e.	h.	e.
143 } 641	165 } 570	155,5 } 645,5	169 } 571
2 } 573	235	10,0	240
179 } 573	239 } 649	184,0	135 } 645
	138		

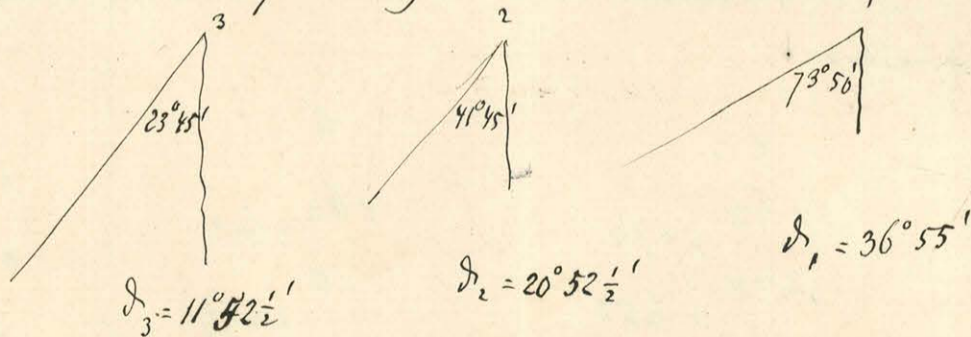
Magyarország. 3 óra 45 perces.

h.	e.	h.	e.
148 } 639	165 } 570	147 } 626	166 } 573
9 } 576	238	8 } 575	209 } 573
183 } 576	134 } 646	183 } 575	134 } 645

Folytatás

h.	e.	h.	e.
148 } 638	167 } 568		
10 } 576	235 } 646		
184 } 576	131		

Pétek. 5 írás egy síg mérés - javulás értéke.



Epeletés 5 írás 11 óra 35 m.

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

h.	e.
200	21
77	21

1 görbe nem látható az alábbi állásban a mérés egy másik részére a méréshez javaslatom érkezik.

h.	e.	h.	e.
237 } 616	47 } 566	239 } 618	46 } 566
121	113 } 566	121	112
637 } 558	219	61 } 560	212 } 600

Folytatás 11 ó 45 p.

h.	e.	h.	e.
222	59) 560	249) 613	61) 560
3) 613	119) 560	136) 613	121) 560
140	220) 601	79) 557	222) 601
139) 561			
78	560 = 2,122		
	601 = 3,124		

$N_{11^{\circ}52' 120^{\circ}52'}$	= 0,38463	$N_{20^{\circ}52' 136^{\circ}55'}$	= 0,35869
avg $N_{11/20}$	= 0,585041 - 1	avg $N_{20/36}$	= 0,5547156 - 1
avg $N_{11^{\circ}52' 126^{\circ}55'}$	= 0,743318		
avg $N_{11/36}$	= 0,871175 - 1		

Érkezik 3 óra 45 p.

h.	e.	h.	e.
7) 613	62) 564	3) 616	63) 562
144	126) 564	137) 616	125) 562
85) 559	225) 599	80) 557	232) 607

Folytatás:	4) 612	70) 554	140) 610	65) 563
	142) 612	124) 554	81) 559	128) 563
	89) 558	229) 605		227) 599

Oktober 6 ikán d.e. 10 óra 30 percesen.

h.	e.	h.	e.
225) 602	44) 559	220) 603	47) 555
123) 602	103) 559	117) 603	102) 555
68) 555	197) 594	70) 547	196) 594

relatív 4 óra 30 m.

h.	e.	h.	e.
225) 603	50) 553	220) 598	42) 558
122) 560	103) 553	122) 598	100) 558
62) 560	195) 592	70) 552	190) 590

Oktober 7. d. e. 11030 m.

k	e
238)601	62)552
136	114
82)554	209)595

k	e
234)604	63)549
130	112
84)546	208)596

Oktober 4óra 00

1-1003720 =

h	e
245)602	69)549
143	118
90)553	212)594

h	e
241)602	67)547
139	114
89)550	211)597

Ok. 8. d. e. 3 óra 50 m.

h	e
244)599	60)566
145	126
88)557	217)591

h	e
246)606	62)568
140	130
83)557	222)592

Folytatás h. ... a m. huzat alatt a csillagokból ... a felület ...

h	e	h	e
211)622	45)539	209)618	47)540
89	84	91	87
93)545	192)608	47)544	195)608
48			

MAGYAR TUDOMÁNYOS AKADÉMIA KÖNYVTÁRA

Ok. 4óra 20 perces mérés

h	e	h	e
240	48	3)643	46)556
10	106)558	110	102)556
112)648	235)629	49)561	228)626
50)562			

Ok. 10 óra, elvett ... a hullam ... a csillagok ... d. e. 10 óra 15 m.

h	e	h	e
135)607	204)556	130)605	216)545
28	12)608	25	14)602
221)557	120	219	113

Chinolin

Ms 5097 / 56

1893. Március 28. délután 4h 30.

Temp 14,7

Ellenállás 513,3 ; (2.0817 atm.)

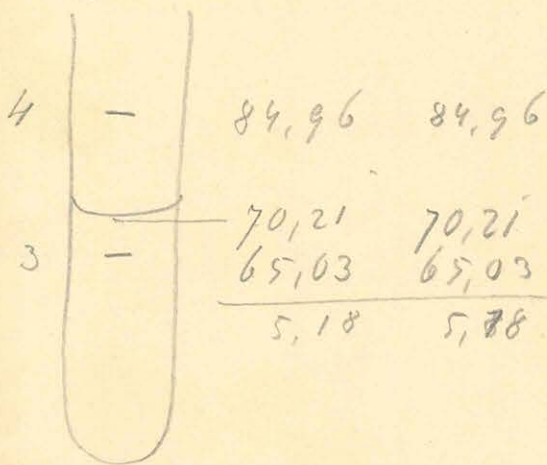
$\begin{matrix} \text{---} \\ \text{---} \end{matrix} \begin{matrix} \text{dőr} \\ \text{---} \end{matrix} \begin{matrix} 53,0 \\ 27,0 \end{matrix} \begin{matrix}) \\) \end{matrix} \begin{matrix} 574,0 \\ 574,0 \end{matrix}$
 $\begin{matrix} \text{---} \\ \text{---} \end{matrix} \begin{matrix} \text{dőr} \\ \text{---} \end{matrix} \begin{matrix} 56,0 \\ 30,5 \end{matrix} \begin{matrix}) \\) \end{matrix} \begin{matrix} 574,5 \\ 574,5 \end{matrix}$
 $\begin{matrix} \text{---} \\ \text{---} \end{matrix} \begin{matrix} \text{dőr} \\ \text{---} \end{matrix} \begin{matrix} 27,5 \\ 53,0 \end{matrix} \begin{matrix}) \\) \end{matrix} \begin{matrix} 574,5 \\ 574,5 \end{matrix}$

$\begin{matrix} \text{---} \\ \text{---} \end{matrix} \begin{matrix} \text{dőr} \\ \text{---} \end{matrix} \begin{matrix} 56,5 \\ 31,0 \end{matrix} \begin{matrix}) \\) \end{matrix} \begin{matrix} 574,5 \\ 574,5 \end{matrix}$
 $\begin{matrix} \text{---} \\ \text{---} \end{matrix} \begin{matrix} \text{dőr} \\ \text{---} \end{matrix} \begin{matrix} 28,0 \\ 54,0 \end{matrix} \begin{matrix}) \\) \end{matrix} \begin{matrix} 574,0 \\ 574,0 \end{matrix}$

súrúság 14,6 °nál -
 (Westphal merítéssel)

= 1,0927

$\frac{a}{m} = 1,015$ $a = 2,914$



Törismutató

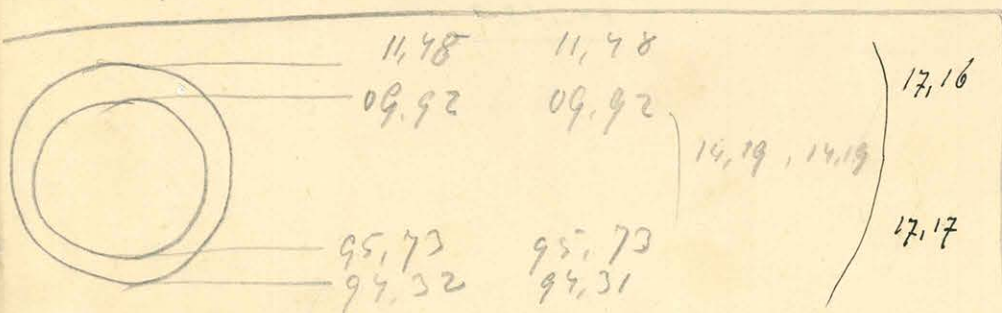
$\begin{matrix} \text{---} \\ \text{---} \end{matrix} \begin{matrix} \text{dőr} \\ \text{---} \end{matrix} \begin{matrix} 55,3 \\ 12,5 \end{matrix} \begin{matrix}) \\) \end{matrix} \begin{matrix} 137,2 \\ 137,2 \end{matrix}$
 $\begin{matrix} \text{---} \\ \text{---} \end{matrix} \begin{matrix} \text{dőr} \\ \text{---} \end{matrix} \begin{matrix} 12,8 \\ 55,5 \end{matrix} \begin{matrix}) \\) \end{matrix} \begin{matrix} 137,0 \\ 137,0 \end{matrix}$

~~55,0~~ $\begin{matrix} \text{---} \\ \text{---} \end{matrix} \begin{matrix} \text{dőr} \\ \text{---} \end{matrix} \begin{matrix} 55,6 \\ 13,0 \end{matrix} \begin{matrix}) \\) \end{matrix} \begin{matrix} 137,4 \\ 137,4 \end{matrix}$

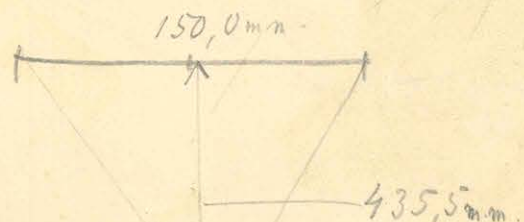
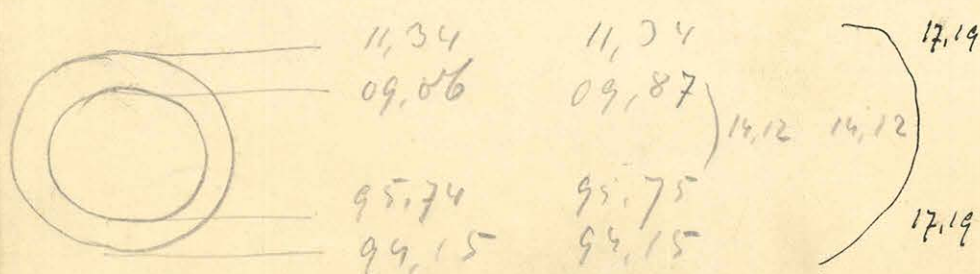
$\begin{matrix} \text{---} \\ \text{---} \end{matrix} \begin{matrix} \text{dőr} \\ \text{---} \end{matrix} \begin{matrix} 12,8 \\ 15,8 \end{matrix} \begin{matrix}) \\) \end{matrix} \begin{matrix} 137,0 \\ 137,0 \end{matrix}$

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

Ranfektörő



90. számú fogó



Eijel 11.30

Etenalla's 624,5

$\left. \begin{array}{l} \text{den } 21,0 \\ \text{den } 58,5 \end{array} \right\} 437,5$
 $\left. \begin{array}{l} \text{den } 27,0 \\ \text{den } 69,0 \end{array} \right\} 442,0$
 $\left. \begin{array}{l} \text{den } 67,0 \\ \text{den } 29,5 \end{array} \right\} 437,5$

$\left. \begin{array}{l} \text{den } 32,0 \\ \text{den } 70,0 \end{array} \right\} 438,0$
 $\left. \begin{array}{l} \text{den } 71,0 \\ \text{den } 32,5 \end{array} \right\} 438,5$
 $\left. \begin{array}{l} \text{den } 35,0 \\ \text{den } 74,0 \end{array} \right\} 439,0$
 $\left. \begin{array}{l} \text{den } 55,0 \\ \text{den } 17,5 \end{array} \right\} 437,5$

$\left. \begin{array}{l} \text{den } 21,0 \\ \text{den } 59,5 \end{array} \right\} 438,5$
 $\left. \begin{array}{l} \text{den } 56,0 \\ \text{den } 18,0 \end{array} \right\} 438,0$
 $\left. \begin{array}{l} \text{den } 22,5 \\ \text{den } 60,5 \end{array} \right\} 438,0$
 $\left. \begin{array}{l} \text{den } 55,5 \\ \text{den } 18,0 \end{array} \right\} 437,5$

t = 246,3

$\frac{q}{m} = 0,998$

a = 2,186

4	83,90	83,90
-	83,77	83,77
3	63,73	63,74

Terminata

$\left. \begin{array}{l} \text{den } 43,6 \\ \text{den } 21,0 \end{array} \right\} 157,4$
 $\left. \begin{array}{l} 20,6 \\ \text{den } 43,0 \end{array} \right\} 157,4$
 $\left. \begin{array}{l} 41,0 \\ 19,0 \end{array} \right\} 158,0$
 $\left. \begin{array}{l} 19,0 \\ 41,4 \end{array} \right\} 157,6$

Mars 29. apr 9h.

Etenalla's 584,0

$\left. \begin{array}{l} \text{den } 33,5 \\ \text{den } 35,0 \end{array} \right\} 501,5$
 $\left. \begin{array}{l} 29,0 \\ 28,0 \end{array} \right\} 507,0$
 $\left. \begin{array}{l} 31,0 \\ \text{den } 36,0 \end{array} \right\} 501,5$
 $\left. \begin{array}{l} 30,0 \\ \text{den } 37,5 \end{array} \right\} 501,5$
 $\left. \begin{array}{l} 31,0 \\ \text{den } 30,0 \end{array} \right\} 501,0$
 $\left. \begin{array}{l} 36,0 \\ \text{den } 37,5 \end{array} \right\} 501,5$

$\left. \begin{array}{l} \text{den } 31,0 \\ \text{den } 30,0 \end{array} \right\} 501,0$

t = 150,0

$\frac{q}{m} = 1,004$

a = 2,516

4	84,32	84,32
-	76,80	76,80
3	64,33	64,32
	12,47	12,48

Terminata

$\left. \begin{array}{l} \text{den } 50,2 \\ \text{den } 17,6 \end{array} \right\} 147,4$
 $\left. \begin{array}{l} 17,4 \\ 50,0 \end{array} \right\} 147,4$
 $\left. \begin{array}{l} 50,8 \\ 17,8 \end{array} \right\} 147,0$
 $\left. \begin{array}{l} 18,2 \\ 50,6 \end{array} \right\} 147,6$

debetan sh.

Ellenallas 552,9

$\left(\begin{array}{l} \text{---} \\ \text{---} \end{array} \right) \begin{array}{l} \text{dön} 47,5 \\ 83,5 \end{array}) 536,0 \quad \text{vinn} 79,5 \\ 44,0 \end{array}) 535,5 \quad \text{dön} 48,5 \\ 83,5 \end{array}) 535,0$

$\text{vinn} 79,0 \\ 43,0 \end{array}) 536,0 \quad \text{dön} 48,0 \\ 83,5 \end{array}) 535,5$

$$\frac{t = 86,7}{a = 2,686}$$

4	84,72	84,73
	73,27	73,29
3	64,73	64,74
	<u>8,54</u>	<u>8,54</u>

Torimmutati

$\text{dön} 3,8 \\ 26,2 \end{array}) 142,4$

Ellenallas 626,0

$\left(\begin{array}{l} \text{---} \\ \text{---} \end{array} \right) \begin{array}{l} \text{dön} 81,0 \\ 15,0 \end{array}) 434,0 \quad \text{dön} 89,0 \\ 28,0 \end{array}) 439,0 \quad \text{vinn} 26,5 \\ 90,5 \end{array}) 434,0$

$\text{dön} 96,0 \\ 32,5 \end{array}) 433,5 \quad \text{vinn} 31,5 \\ 95,0 \end{array}) 436,5 \quad \text{dön} 96,0 \\ 33,0 \end{array}) 437,0$

$\text{vinn} 33,0 \\ 93,5 \end{array}) 439,5$

MAGYAR TUDOMÁNYOS AKADÉMIA KÖNYVTÁRA

Céjtel 11h.

Ellenallas 555,5

$\left(\begin{array}{l} \text{---} \\ \text{---} \end{array} \right) \begin{array}{l} \text{dön} 86,5 \\ 21,0 \end{array}) 534,5 \quad \text{vinn} 17,5 \\ 83,5 \end{array}) 834,0 \quad \text{dön} 87,5 \\ 23,0 \end{array}) 535,5 \quad 20,5 \\ 86,0 \end{array}) 534,5$

4	84,89	84,89
	73,72	73,72
3	64,90	64,90

kezel 9h.

Ellenallas 554,5

$\text{dön} 6,0 \\ 42,0 \end{array}) 536,0 \quad \text{vinn} 37,5 \\ 2,0 \end{array}) 535,5 \quad \text{dön} 5,0 \\ 41,0 \end{array}) 536,0 \quad \text{vinn} 38,0 \\ 1,5 \end{array}) 536,5$

4	84,92	84,92
	73,66	73,68
3	64,94	64,94

C₉H₇N

Chinolin $\mu = 128,74$

Súlyszázalék = 13,268

	n^L	13,268% súlyszázalék	D	$\frac{\mu}{D}$	f	$f \cdot n^L$
14° 7'	8,491	12102,7	1,0963	117,44	4,6526	111,60
86° 7'	7,215	12631,1	1,0504	122,56	3,7900	93,51
15° 0'	6,320	13256,0	1,0009	128,62	3,1752	80,72
246,3	4,779	14468,1	0,9171	140,35	2,1918	59,20

$$\frac{f \cdot n_{246,3}^2 - f \cdot n_{14,7}^2}{221,6} = 0,226 \quad \text{mindkét irány } 507,3^\circ$$

$$\frac{f \cdot n_{14,7}^2 - f \cdot n_{15,0}^2}{125,7} = 0,228$$

$$\frac{f \cdot n_{15,0}^2 - f \cdot n_{246,3}^2}{96,0} = 0,227$$

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

$$\frac{T_{\text{Chinolin}}}{T_{\text{Levegő}}} = 1,677$$

Chinolin 0 foknál mértékű levegő; 162,174
-110° levegő

Chinolin víz párolgása

Súlyszázalék 100 fokos Chinolinban 0,9285

16° fokos Chinolinban ~~0,9285~~
0,9950

365 / 84 = 4,345
950 / 135 = 7,037
105 / 950 = 0,1105
945 / 7 = 135

Chinolin

temp 14,7

1513,3 = 71037
486,7 68726
02311
30103
32414

$w_t = 2,1093$
276
 $w_2 = 2,0817$

4,002457 x 14,7
9828
17199
0,0361179 = at
 $1(1+at) = 0,01546$
 $2w_t = 0,31842$
 $w_0 = 0,30296$

$w_0 = 2,0089$

$\frac{w_t}{w_0} = 1,6420$
406

t = 261,3
t = 240,0
t = 246,6

$at + \beta t^2 = 1,6826$
1,6239
1,6429

8624,5 = 79553
275,5 57461
22092
30103
52195

39199 79398
39041 77379
78246 56777

t = 246,3

3,3262
276
3,2986
2,0089

6059
370
6429

5584,0 = 76641
416 61909
14732
30103
44935

$\frac{w_t}{w_0} = 0,3807$
193

t = 152,9
t = 150,0
t = 150,5
at + \beta t^2 = 43950
0,3820

$w_t - w_0 = 1,2897$
f = 0,11049
 $f w_0 = 0,30296$
0,80753 - 1
39041
2,41712

$\frac{9}{190} \times 6,6$
59,4 : 190 = 0,3

2,8013
276
 $w_t = 2,7737$
0089
0,7648 = 88355
30296
58059
39041
19018

5552,9 = 74265
447,1 65040
09225
30103
39328

38021
39041
77062

76042
77379
53421

38036
27379
15415

2,4733
276
2,4457
0089

5897
342
6239

$\frac{181}{587} \times 21,3$

17609 35218 3686
39041 77379 134
56650 12597 5820

0,4368 = 64028-1
30296

21,3 x 107
1704
17213
38553 : 587 = 6,6
3522
3330

$\frac{13}{130} \times 4,9$

3,89382
77379-7
0,66761-3

0,33732-1
39041

$\frac{w_t}{w_0} = 1,2174$
0047

t = 88,5
t = 85,0
t = 86,7
 $at + \beta t^2 = 1,2221$
1,2131
1,2175

92942 85889 2088
39041 77379 43
31983 63263 2131

MAGYAR TUDOMÁNYOS AKADÉMIA KÖNYVTÁRA

$\frac{43 \times 3,5}{90}$ $\frac{43 \times 3,5}{129}$
 $\frac{215}{150,5 \times 9} = 1,7$
 $\frac{9}{100}$

8,136

8136 : 8155 = 9976,7
73395 1,2

79656
73395
62550
57085
54650
48930
54200

12069 / 13268 = 1,0993
12069
119900
108621
112490
108621
41690

93802 87604
39041 77379
32843 64983
2130
45
2175

19,99
7,81
3,71
31,51

4,074 : 0,8755
61002
91142
149845
2,20015

$0,157 \times 4$
628

$\frac{1}{500} + \frac{1}{70}$

$\frac{578}{570}$
35000

2,20015
49715
1,70300
0,85150

31,51. $\pi^2 = 4995,8$

7,10
 $\frac{71}{49}$
14
50,1

$\int a^2 = 0,76298$
 $\int a = 0,38149$
 $\int r = 0,85126$

$\int \frac{h}{a} = 74194 - 8$
 $\int a = 0,38149$
 $\int h = 0,12343 - 1$

$\int \frac{r}{a} = 0,46977$

$\int r = 1,70252$
49715

$\int a^2 = 0,76298$
 $\int r = 0,85126$
49715
2,11139

1,32310

(03) = 9975,5 + 7,81 x 158,91 - minus

2,914 / 7,10 = 2,436

19,99
7,81
3,17
30,97
31,51
0,54

2,20015
89265
3,09280

1238,2
9975,5
11213,7
108,2
11105,5
1,2

12720
11656
10640
8742
18980

158,91
317,82
1,6
3176,6

$158,91 \times 5,18$
7945
1589
12712
823,162

11105,5
794,5
11900,0

$11900 \times 0,0013$
357
15510

52,14
1,4
50,7

14,7

$\int a = 0,46449$
 $\int r = 0,85126$
 $\int \frac{r}{a} = 0,38677$
 $\frac{r}{a} = 2,436$

$\frac{h}{a} = 0,1089$

$\int \frac{h}{a} = 0,03663 - 1$
 $\int a = 0,46449$
 $\int h = 0,50112 - 1$
 $\int r = 1,70252$
49715
1,70079

$\int a^2 = 0,92898$
 $\int r = 0,85126$
49715
2,27739

141 x 37
148
37
52,17

2,20015
0,71433
2,91448

$\int V = 9,08157$
 $312,16 = 1,12280$
0,04123

1,099

$1089 \times 2,914$
2178
9801
1089
4356
3173346

12067,3 / 13268 = 1,0995
12067
120100
108603
114970
108603
63670

1,0927

$\int h = 50147$
 $\int r = 1,70252$
49715
2,70114

$\int a^2 = 0,92898$
 $\int r = 0,85126$
49715
2,27739

Chuvoln

1893. Marea 31.

Ellenérték 518,0

egyel 1h.

~~77,5~~ ^{6,0} 77,5) 571,5 ^{75,0} _{4,0}) 571,0

^{6,0} _{77,0}) 571,0 ^{74,0} _{3,0}) 571,0

4-	85,26	85,26
	70,44	70,44
3-	65,38	65,38
	<hr/>	<hr/>
	5,06	5,06

delelalt 12h.

Ellenérték 518,0

~~77,5~~ ^{3,5} 77,5) 570,5 ^{71,5} _{1,0}) 570,5 ^{5,0} _{76,5}) 571,5 ^{72,0} _{0,5}) 571,5

^{5,0} _{76,0}) 571,0

MAGYAR JUDOMÁTIKUS AKADÉMIA KÖNYVTÁRA

4-	85,40	85,40
	70,50	70,50
3-	65,44	65,44
	<hr/>	<hr/>
	5,06	5,06

Arinolen

Törlemutató

Temp 14,7

$x = 137,2$
 $R = 676,3$

$\delta = 11,705^\circ$
 $\varepsilon - \delta = 0,036^\circ$
 $\varepsilon = 11,741^\circ$
 $\delta = 10,127^\circ$
 $\beta - \gamma = 1,640^\circ$

$n = 1,702$

Temp 246,3

$x = 157,6$
 $R = 684,1$

$\delta = 13,514^\circ$ $13,313^\circ$
 $\varepsilon - \delta = 0,042^\circ$
 $\varepsilon = 13,556^\circ$ $13,355^\circ$
 $\delta = 10,167^\circ$ $10,163^\circ$
 $\beta - \gamma = 1,892^\circ$ $1,891^\circ$

$n = 1,575$ $1,583$

Temp 150,0

$x = 147,5$
 $R = 678,7$

$\delta = 12,552^\circ$
 $\varepsilon - \delta = 0,039^\circ$
 $\varepsilon = 12,591^\circ$
 $\delta = 10,146^\circ$
 $\beta - \gamma = 1,760^\circ$

$n = 1,635$

t	n	$\frac{dn}{dt}$
14,7	1,702	0,000495
150,0	1,635	0,000535
246,3	1,583	

$t = 150^\circ$ $n = 1,635$ $\frac{dn}{dt} = 0,000510$ $T = 507 + 273$
 $T = 780$

$\frac{n \frac{dn}{dt} T}{n^2 - 1} = \frac{1,635 \times 0,000510 \times 780}{1,6736} = 0,3886$

nyírási mérték = 23°
 nyírási arány = $-2t^\circ$

MAGYAR
 TUDOMÁNYOS AKADÉMIA
 KÖNYVTÁRA

$0,067: 135,3 = 0,000495$
 $\begin{array}{r} 5412 \\ 12880 \\ 12177 \\ \hline 7030 \\ 6265 \\ \hline 2650 \end{array}$

$0,052: 96,3 = 0,000535$
 $\begin{array}{r} 4865 \\ 3350 \\ 2889 \\ \hline 4610 \end{array}$

$\{n = 0,21352$ $\{n^2 = 0,42704$
 $\frac{dn}{dt} = 0,70757 - 4$ $n^2 = 2,6736$

$\{423 = 2,62634$
 $\{264 = 2,66652$
 $\begin{array}{r} 5,29286 \\ 2,89209 \\ \hline 8,40077 \end{array}$

$\{T = 2,89209$
 $\begin{array}{r} 4,81318 - 1 \\ \hline 0,22366 \\ 0,58952 - 1 \end{array}$
 $\{423 = 2,62634$
 $\{264 = 2,73719$
 $\begin{array}{r} 5,36353 \\ \hline 2,89209 \\ 2,47144 \end{array}$

$\frac{252}{273}$
 $\frac{26}{26}$

$\begin{array}{r} 150 \\ 273 \\ \hline 423 \times 186 \\ \hline 780 \end{array}$

$\begin{array}{r} 296 \\ 273 \\ \hline 23 \end{array}$

Chinolin

Lanolin + 1 men Kény

Jan	35,1) 259,5	54,6	54,9) 259,9	35,0	35,1) 259,5	54,6	59,7) 259,7	35,0
-----	--------------	------	--------------	------	--------------	------	--------------	------

Amilin

Jan	33,2) 264,5	58,2	58,7) 265,0	33,7	33,7) 264,7	58,4	58,7) 265,0	33,7
-----	--------------	------	--------------	------	--------------	------	--------------	------

3 Amilin + 1 glycer

Jan 27,2) 266,5
 Jan 53,8

Uy'eso

Amilin

Jan	18,2) 197,6	0,6	0,0) 197,8	17,8	17,9) 197,8	0,1
-----	--------------	-----	-------------	------	--------------	-----

3 Amilin + 1 glycer

Jan	6,7) 204,4	31,1	31,3) 204,5	6,8	6,6) 204,6	31,4
-----	-------------	------	--------------	-----	-------------	------

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

Amilin + men Kény

Jan	8,7) 191,5	57,2	57,6) 191,1	8,7	7,8) 191,5	57,3	57,2) 191,5	8,7
-----	-------------	------	--------------	-----	-------------	------	--------------	-----

1 Amilin 1 glycer

Jan	17,7) 213,6	44,1	44,5) 213,3	17,8	18,6) 213,8	44,2	44,3) 213,3	17,6
-----	--------------	------	--------------	------	--------------	------	--------------	------

1 Amilin 2 glycer

Jan	40,8) 225,0	85,8	55,8) 224,7	40,5	40,8) 224,8	85,0
-----	--------------	------	--------------	------	--------------	------

Glycerin

den 58,2) 242,6 in 0,8) 242,5 abn 58,3) 242,0
 0,8

in 0,7) 242,5
 58,2

Chloroform

den 19,2) 255,8 in 35,5) 256,1 abn 19,5) 255,5
 35,0

in 35,0) 255,5
 19,5

Contributions 24° nit

Total reflectances

				(n-1) x
Chinolin	1,622	185,7		1154
Spinkinay Anilin	1,600	191,5		1149
- Anilin	1,581	197,7		1149
3 Anilin 1 Glycerin	1,557	204,5		1140
1 Anilin 1 Glycerin	1,533	213,6		1138
1 Anilin 2 Glycerin	1,498	224,8		1130
- Glycerin	1,465	242,3		1127
Chloroform	1,444	255,5		1134

Chinolin

den 58,6) 184,9 in 1,9) 185,9 abn 58,0) 185,8 in 1,6) 185,6
 1,5

Junin 16 bin este 8 unen

Ellenallin 523 tays. 22°.

Ellenallin 522,0

di 55,8) 185,3 vi 1,5) 56,5-) 185,0 di 56,8) 185,5 vi 2,5) 56,8) 185,7

di 56,9) 185,6 vi 2,5) 56,8) 185,7 $l = 20 - n = 1,622$

Rygel 7h 20

Ellenallin 582,8

di 0,2) 202,1
72,3

vi 79,0) 201,8
2,2

di 7,8) 202,2
24,0

vi 24,1) 201,9
2,2

202,0

$n = 1,566$

$t = 136°$

Ellenallin 626,2

di 56,0) 223,0
39,0

vi 39,0) 222,8
56,2

di 56,2) 223,1
39,3

vi 39,3) 222,9
56,4

$t = 237,4$

$n = 1,503$

$n = 1,516$

R

di 7,2) 811,0
78,2

vi 18,2) 811,2
47,0

Ellenallin 526,8

di 52,0) 187,8
59,8

vi 0,1) 188,1
52,0

di 0,25) 188,2
2,0

vi 0,1) 188,1
0,25

$n = 1,614$

R

di 43,0)
13,2

vi 53,6) 810,0
23,0

$$44,1 : 26,5 = 1,66$$

$$\begin{array}{r} 265 \\ 1760 \\ \hline 1590 \\ 1700 \end{array}$$

$$77,8 : 36,5 = 2,13$$

$$\begin{array}{r} 7300 \\ 480 \\ \hline 365 \\ \hline 1150 \end{array}$$

$$46,8 : 20,8 = 2,25$$

$$\begin{array}{r} 4166 \\ 520 \\ \hline 416 \\ \hline 11010 \end{array}$$

$$36,5 : 15,1 = 2,42$$

$$\begin{array}{r} 302 \\ 630 \\ \hline 604 \\ \hline 260 \end{array}$$

778

$$78,1 : 29,4 = 2,65$$

$$\begin{array}{r} 588 \\ 1936 \\ \hline 1760 \\ \hline 1560 \end{array}$$

202,

66

$$\begin{array}{r} 1,5 \times 1,7 \\ 105 \\ \hline 2,6 \end{array}$$

$$\begin{array}{r} 1,2 \times 1,66 \\ 352 \\ \hline 2,0 \end{array}$$

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

$$\begin{array}{r} 2,65 \times 5,7 \\ 1325 \\ 1855 \\ \hline 15,10 \\ 1 \end{array}$$

$$\begin{array}{r} 22,5 \\ 17,9 \\ \hline 4,6 \times 2,65 \\ 1060 \\ 1590 \\ \hline 12,2 \end{array}$$

Ms 5097 / 57

Memorandum

Regis és lelet

$$\frac{z}{a} = 1 + 0,306 \frac{a}{r} + 0,13141 \frac{a^2}{r^2} - 0,26278 \frac{a^3}{r^3} + 0,65853 \frac{a^4}{r^4}$$

formuliert man mit $\frac{z}{a}$

$$\frac{h}{a} = 2,735 e^{-1,324 \frac{r}{a}} \text{ formuliert.}$$

$\frac{r}{a}$	$\frac{z}{a}$	Diff.	$\frac{h}{a}$	Diff.	$\frac{m}{a}$	Diff.	$\frac{m}{r}$	Diff.
2,0			0,1936					
2,1	1,1810		0,1697	-239	1,0113		0,4816	
2,2	1,1696	114	0,1486	211	1,0210	97	0,4641	175
2,3	1,1598	98	0,1302	184	1,0296	86	0,4477	164
2,4	1,1512	86	0,1140	162	1,0372	76	0,4322	155
2,5	1,1435	77	0,0999	141	1,0436	64	0,4174	146
2,6	1,1366	69	0,0875	124	1,0491	55	0,4035	139
2,7	1,1304	62	0,0767	108	1,0537	46	0,3903	132
2,8	1,1248	56	0,0672	95	1,0576	39	0,3777	126
2,9	1,1197	51	0,0588	84	1,0609	33	0,3658	119
3,0	1,1150	47	0,0515	73	1,0635	26	0,3545	113
3,1	1,1107	43	0,0451	64	1,0656	21	0,3437	108
3,2	1,1067	40	0,0395	56	1,0672	16	0,3335	102
3,3	1,1030	37	0,0346	49	1,0684	12	0,3238	97
3,4	1,0996	34	0,0304	42	1,0692	8	0,3145	93
3,5	1,0964	32	0,0266	38	1,0698	6	0,3056	89
3,6	1,0934	30	0,0233	33	1,0701	3	0,2973	83
3,7	1,0906	28	0,0204	29	1,0702	1	0,2893	80
3,8	1,0880	26	0,0179	25	1,0701	-1	0,2816	77
3,9	1,0855	25	0,0157	22	1,0698	-3	0,2743	73
4,0	1,0832	23	0,0137	20	1,0695	3	0,2674	69
4,1	1,0810	22	0,0120	17	1,0690	5	0,2607	67
4,2	1,0789	21	0,0105	15	1,0684	6	0,2544	63
4,3	1,0769	20	0,0092	13	1,0677	7	0,2483	61
4,4	1,0750	19	0,0081	11	1,0669	8	0,2425	58
4,5	1,0732	18	0,0071	10	1,0661	8	0,2369	56
4,6	1,0715	17	0,0062	9	1,0653	8	0,2316	53
4,7	1,0699	16	0,0054	8	1,0645	8	0,2265	51
4,8	1,0683	16	0,0047	7	1,0636	9	0,2216	49
4,9	1,0668	15	0,0041	6	1,0627	9	0,2169	47
5,0	1,0654	14	0,0036	5	1,0618	9	0,2124	45

Dankport $\frac{26}{22}$

$\frac{m}{n}$	$\frac{m}{n}$	$\frac{r}{a}$	$\frac{m}{r}$	$\frac{r}{m+1}$	β	$\frac{m}{b}$	$\frac{m}{a} \sqrt{\frac{b}{a}}$	$\frac{m}{a}$
0,48	1,0122	2,224	0,46	2,2222 2,17791	96,61	0,14721	1,0232	56
0,47	1,0178	2,165	0,47	2,12766	82,96	0,15807	1,0176	60
0,46	1,0222	2,108	0,48	2,08333	71,56	0,16914	1,0116	63
0,45	1,0284	2,052	0,49	2,04082	61,99	0,18058	1,0052	66
0,44	1,0324	1,997	0,50	2,00000	52,91	0,19235	0,9989	67
0,43	1,0381	1,945	0,51	1,96078	47,06	0,20452	0,9929	71
0,42	1,0425	1,894	0,52	1,92308	41,220	0,21696	0,9874	75
0,41	1,0466	1,844	0,53	1,88679	36,229	0,22967	0,9822	77
0,40	1,0504	1,796	0,54	1,85185	31,934	0,24270	0,9772	80
0,39	1,0528	1,749	0,55	1,81818	28,228	0,25601	0,9724	83
0,38	1,0569	1,702	0,56	1,78572	25,020	0,26957	0,9678	86
0,37	1,0597	1,658	0,57	1,75439	22,231	0,28340	0,9634	89
0,36	1,0622	1,614	0,58	1,72414	19,797	0,29749	0,9591	92
0,35	1,0644	1,571	0,59	1,69492	17,669	0,31181	0,9550	95
0,34	1,0662	1,529	0,60	1,66667	15,799	0,32639	0,9510	97
0,33	1,0676	1,488	0,61	1,63924	14,153	0,34117	0,9471	101
0,32	1,0687	1,448	0,62	1,61290	12,700	0,35616	0,9433	104
0,31	1,0695	1,408	0,63	1,58720	11,415	0,37134	0,9396	106
0,30	1,0700	1,370	0,64	1,56250	10,275	0,38672	0,9360	109
0,29	1,0702	1,332	0,65	1,53846	9,258	0,40232	0,9325	112
0,28	1,0700	1,295	0,66	1,51515	8,354	0,41803	0,9291	116
0,27	1,0696	1,258	0,67	1,49254	7,545	0,43390	0,9258	118
0,26	1,0690	1,222	0,68	1,47059	6,820	0,45001	0,9226	122
0,25	1,0679		0,69	1,44928	6,169	0,46623	0,9195	126
0,24	1,0665		0,70	1,42856	5,584	0,48248	0,9165	129
0,23	1,0650		0,71	1,4			0,9136	132
0,22	1,0633		0,72				0,9107	134
0,21	1,0614		0,73				0,9079	137
0,20	1,0600		0,74				0,9052	140
0,19	1,0		0,75	1,33333	3,410	0,56602	0,7390	
0,18	1,0		0,76					
			0,77					
			0,78					
			0,79					
			0,80					

$\frac{h}{a} = \sqrt{\frac{L}{R}}$
 justum.

1,2500

Paragya alján

$$\frac{x}{a}$$

$$\frac{h}{a} = \frac{\sqrt{2}}{\sqrt{13}}$$

$$\frac{h}{a} = \sqrt{\frac{2}{13}}$$

1,614

0,31785

0,3179

1,571

0,33644 ' 1859

0,3364 ' 185

1,529

0,35580 ' 1936

0,3558 ' 194

1,749

0,2662

1,702

0,2827 ' 165

1,658

0,3000 ' 173

2,348

0,1226

2,285 63

0,1330 104

2,227 64

0,1439 109

2,165 59

0,1553 114

2,108 59

0,1672 119

2,052 56

0,1796 124

1,997

1,945

0,2062

1,894

0,2203

1,844

0,2350

1,796

0,2503

1,749

0,2662

1,702

1,658

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

$$\frac{z}{a} = 1 + 0,306 \frac{a}{r} + 0,055 \frac{a^2}{r^2} + 0,203 \frac{a^3}{r^3}$$

Summiert man alle Werte $\frac{h}{a}$ in der $\frac{h}{a} = 2,1705e^{-1,024 \frac{r}{a}}$ Funktion

$\frac{r}{a}$	$\frac{z}{a}$	$\frac{h}{a}$	$\frac{m}{a}$	$\frac{m}{r}$	$\frac{m}{r}$	$\frac{m}{a}$
2	1,1922					
2,1	1,1804	0,1697	1,0194	0,4866	0,48	1,0111
2,2	1,1696	0,1486	1,0210	0,4641	0,47	1,0174
2,3	1,1600	0,1202	1,0298	0,4477	0,46	1,0224
2,4	1,1517	0,1140	1,0377	0,4324	0,45	1,0286
2,5	1,1441	0,1000	1,0441	0,4176	0,44	1,0336
2,6	1,1378	0,0875	1,0498	0,4038	0,43	1,0389
2,7	1,1319	0,0767	1,0552	0,3908	0,42	1,0431
2,8	1,1255	0,0671	1,0584	0,3780	0,41	1,0474
2,9	1,1204	0,0588	1,0616	0,3661	0,40	1,0512
3,0	1,1158	0,0515	1,0647	0,3547	0,39	1,0549
3,1	1,1112	0,0451	1,0661	0,3438	0,38	1,0579
3,2	1,1072	0,0395	1,0677	0,3337	0,37	1,0604
3,3	1,1033	0,0347	1,0686	0,3238	0,36	1,0624
3,4	1,0999	0,0304	1,0695	0,3146	0,35	1,0643
3,5	1,0966	0,0266	1,0700	0,3057	0,34	1,0665
3,6	1,0935	0,0230	1,0702	0,2973	0,33	1,0686
3,7	1,0906	0,0204	1,0702	0,2892	0,32	1,0698
3,8	1,0884	0,0179	1,0702	0,2816	0,31	1,0701
3,9	0,856	0,0157	1,0699	0,2743	0,30	1,0702
4,0	1,0832	0,0137	1,0695	0,2674	0,29	1,0702
4,1					0,28	1,0702
4,2					0,27	1,0697
4,3					0,26	

Hömmersäkklet		s	$\frac{\mu}{s}$	λ	λ^2	f	p	$\frac{\mu}{s} \frac{p}{f}$
t	T							
-20°	253	0,758	97,41	4,601	21,17	2,232	68,9	26,53
-10°	263	0,747	98,85	4,624	21,38	2,105	114,7	43,11
0	273	0,736	100,30	4,647	21,59	1,980	184,4	67,77
10	283	0,725	101,8	4,670	21,81	1,857	286,8	103,2
20	293	0,714	103,4	4,694	22,03	1,736	432,8	152,8
30	303	0,702	105,2	4,720	22,28	1,616	634,8	220,4
40	313	0,690	107,0	4,748	22,54	1,497	907,0	310,1
50	323	0,678	108,9	4,776	22,81	1,381	1265 (1265)	426,5
60	333	0,665	111,0	4,806	23,10	1,266	1725	575,2
70	343	0,652	113,2	4,838	23,41	1,153	2303	760,4
80	353	0,638	115,7	4,873	23,74	1,042	3026	992,1
90	363	0,624	118,3	4,910	24,10	0,9335	3899	1271
100	373	0,609	121,2	4,949	24,49	0,8266	5001	1625
110	383	0,594	124,3	4,990	24,91	0,7227	6346	2059
120	393	0,578	127,7	5,036	25,36	0,6209	7904	2569
130	403	0,562	131,3	5,083	25,84	0,5223	9660	3149
140	413	0,546	135,2	5,133	26,35	0,4270	11719	3837
150	423	0,529	139,6	5,187	26,90	0,3344	14166	4674
160	433	0,512	144,2	5,244	27,50	0,2454	16978	5656
170	443	0,494	149,5	5,307	28,16	0,1598	20368	6875
180	453						24244	
190	463						28044	

C₇H₁₀O

$\mu = 73,84$

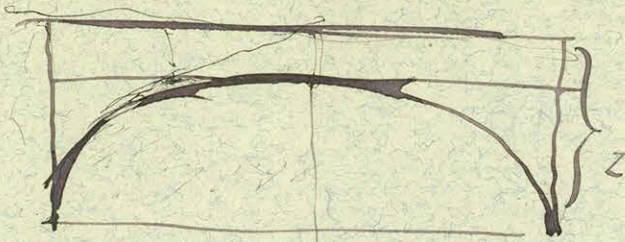
$\frac{V_t - V_{t-10}}{V_t}$
 -20 - 971,14
 -10 - 985,15
 0 - 1000,16
 10 - 1015,16
 20 - 1031,17
 30 - 1048,19
 40 - 1067,20
 50 - 1087,20
 60 - 1107,20
 70 - 1129,24
 80 - 1153,27
 90 - 1180,29
 100 - 1209,31
 110 - 1240,34
 120 - 1274,36
 130 - 1310,38
 140 - 1348,42
 150 - 1390,47
 160 - 1437,52
 170 1490

	$\frac{p^2 T}{1000 \cdot f^3}$	$1,000,000 \frac{f}{p \lambda}$	$10000 \frac{f \lambda^2}{T}$	$f \lambda^2$	$\frac{V_{t+10} - V_{t-10}}{20} \frac{T}{V_t}$
3	85,82	7040	0,1868	47,25	0,4824 0,388
ij	371,0	3969	0,1711	45,00	0,395
7	1196	2311	0,1566	42,75	0,412
2	3635	1387	0,1431	40,50	0,438
8	10490	854,6	0,1305	38,25	0,469 0,469
4	28950	539,2	0,1188	36,00	0,520 0,509
i	76710	347,7	0,1078	33,75	0,557 0,555
5	196100	228,6	0,09752	31,50	0,596 0,601
2	488100	152,7	0,08784	29,25	0,647
4	1185000	103,5	0,07872	27,00	0,699
1	2853000	70,67	0,07011	24,75	0,781
1	6784000	48,76	0,06198	22,50	0,861
5	16510000	33,40	0,05429	20,25	0,926
9	48060000	22,81	0,04699	18,00	1,004
9	1025 · 10 ⁵	15,59	0,04007	15,75	1,080
9	2638 · 10 ⁵	10,63	0,03350	13,50	1,139
7	7285 · 10 ⁵	7,098	0,02724	11,25	1,225
4	2268 · 10 ⁶	4,551	0,02127	9,00	1,354
6	8446 · 10 ⁶	2,756	0,01559	6,75	1,507
5	4481 · 10 ⁷	1,478	0,01,6	4,50	
				2,25	
				0,00	

91,2
86,1

$$f(x) - f(a) = \alpha(x-a) + \beta(x-a)^2 \quad \alpha = 0,112047 \quad \beta = 0,349996 \cdot 10^{-4}$$

\bar{x}	$\pi(1 - \frac{r}{a} \frac{h}{a})$	
1,200	1,0340	0,1272
1,300	1,1612	0,1227
1,400	1,2839	0,1183
1,500	1,4022	0,1137
1,600	1,5159	0,1093
1,700	1,6252	0,1048
1,800	1,7300	0,1003
1,900	1,8303	0,0959
2,000	1,9262	0,0914
2,100	2,0176	0,0869
2,200	2,1045	0,0824
2,300	2,1869	0,0779
2,400	2,2648	0,0735
2,500	2,3383	0,0690
2,600	2,4073	0,0645 45
2,700	2,4718	0,0600 45
2,800	2,5318	0,0555 43
2,900	2,5873	0,0517 44
3,00	2,6385	0,0468
3,10	2,6853	0,0424 44
3,20	2,7277	



$$\kappa r(z^2 - \xi^2) - \kappa \int_{\xi}^z z^2 du + 2u \int \cos d - \sin d - \frac{1}{r} \int (ds - du) = 0$$

$$z^2 - \xi^2 = a^2$$

$$z^2 - \xi^2 = a^2 + \frac{1}{r} \int_{\xi}^z z^2 du + \frac{a^2}{r} \int (ds - du)$$

$$\int z^2 du = + z^3 \sqrt{2} \left(\frac{1}{\sqrt{2}} - \cos \frac{d}{2} \right) - \frac{2\sqrt{2} z^3}{3} \left(\frac{1}{2\sqrt{2}} - \cos^3 \frac{d}{2} \right)$$

$$\int (ds - du) = -\sqrt{2} z \left(\frac{1}{\sqrt{2}} - \cos \frac{d}{2} \right)$$

$$d^2 = 2 \frac{\xi^2}{z^2}$$

$$\xi = z \sqrt{2} \frac{d}{2}$$

$$\frac{d}{2} = \frac{\xi}{\sqrt{2} z}$$

$$\cos \frac{d}{2} = 1 - \frac{d^2}{8} = 1 - \frac{1}{4} \frac{\xi^2}{z^2}$$

$$\cos^3 \frac{d}{2} = 1 - \frac{3}{8} d^2 = 1 - \frac{3}{4} \frac{\xi^2}{z^2}$$

What

$$\int \xi^2 ds = \int \xi^2 du = \frac{2}{3} z^3 + \sqrt{2} z^3 \left(\frac{2}{3} \cos^3 \frac{d}{2} - \cos \frac{d}{2} \right)$$

$$= \frac{2}{3} z^3 + \sqrt{2} z^3 \left(-\frac{1}{3} - \frac{1}{4} \frac{\xi^2}{z^2} \right) =$$

$$\frac{2}{3} - \frac{1}{2} \frac{\xi^2}{z^2} - 1 + \frac{1}{4} \frac{\xi^2}{z^2}$$

$$\frac{2}{3} z^3 - \frac{\sqrt{2}}{3} z^3 \frac{\xi^2}{z^2} = \frac{2}{3} z^3 - \frac{1}{2} \frac{\xi^2}{z^2} - 1 + \frac{1}{4} \frac{\xi^2}{z^2} = -\frac{1}{3} - \frac{1}{4} \frac{\xi^2}{z^2}$$

$$\int ds - du = -z + \sqrt{2} z \left(1 - \frac{1}{4} \frac{\xi^2}{z^2} \right) = z(\sqrt{2}-1) - \frac{\sqrt{2} z}{4} \frac{\xi^2}{z^2}$$

$$z^2 - \xi^2 = a^2 + \frac{z^2}{3r} (2-\sqrt{2}) - \frac{\sqrt{2} z^3}{4r} \frac{\xi^2}{z^2} + \frac{a^2}{r} z(\sqrt{2}-1) - \frac{a^2 \sqrt{2} z}{r} \frac{\xi^2}{z^2}$$

$$z^2 - \xi^2 = a^2 + \frac{z^2}{3r} (2-\sqrt{2}) a \left(1 + c \frac{a}{r} \right) + \frac{a^2 (\sqrt{2}-1)}{r} a \left(1 + c \frac{a}{r} \right) - \frac{a^2}{\sqrt{2} r} \xi^2$$

$$z^2 \left(1 - \frac{2-\sqrt{2}}{3} \frac{a}{r} \left(1 + c \frac{a}{r} \right) \right) = \xi^2 - \frac{a}{\sqrt{2} r} \xi^2 + (\sqrt{2}-1) a^2 \frac{a}{r} \left(1 + c \frac{a}{r} \right) + a^2$$

$$\frac{z^2}{a^2} \left(\dots \right) = \frac{\xi^2}{a^2} \left(1 - \frac{1}{\sqrt{2} r} \right) + 1 + (\sqrt{2}-1) \frac{a}{r} \left(1 + c \frac{a}{r} \right)$$

$$\frac{z}{a} = \sqrt{\frac{1 + (\sqrt{2}-1) \frac{a}{r} \left(1 + c \frac{a}{r} \right) + \frac{\xi^2}{a^2} \left(1 - \frac{1}{\sqrt{2} r} \right)}{1 - \frac{2-\sqrt{2}}{3} \frac{a}{r} \left(1 + c \frac{a}{r} \right)}}$$

$$\frac{a}{r} = \frac{a}{b} \cdot \frac{b}{r}$$

$$\frac{a}{r} = \sqrt{\frac{2}{p}} \cdot \frac{b}{r}$$

$$\frac{\xi^2}{a^2} = \frac{2}{p}$$

$$\frac{z}{a} = \frac{m}{b} \sqrt{\frac{b}{2}} + \frac{1}{\sqrt{p}}$$

$$\frac{z}{a} = \frac{m}{a} + \frac{\xi}{a} = \frac{m}{b} \sqrt{\frac{b}{2}} + \frac{1}{\sqrt{p}}$$

$$\frac{z}{a} = 1 + 0,306 \frac{a}{r} + 0,13141 \frac{a^2}{r^2} - 0,26278 \frac{a^3}{r^3} + 0,65853 \frac{a^4}{r^4}$$

$\frac{r}{a}$	$\frac{z}{a}$	$\frac{h}{a}$	$\frac{m}{a}$	$\frac{m}{r}$	$\frac{m}{r}$	$\frac{m}{r}$
			1,0618	2124		
5,1	1,0649 ¹⁴	0,0022	1,0608 ¹⁰	0,2080 ⁴⁴		
5,2	1,0627 ¹³	0,0028	1,0599 ⁹	0,2038 ⁴²		
5,3	1,0614 ¹³	0,0029	1,0590 ⁹	0,1998 ⁴⁰		
5,4	1,0602 ¹²	0,0021	1,0581 ⁹	0,1959 ³⁹		
5,5	1,0590 ¹²	0,0019	1,0571 ¹⁰	0,1922 ³⁷		
5,6	1,0579 ¹¹	0,0017	1,0562 ⁹	0,1886 ³⁶		
5,7	1,0569 ¹⁰	0,0015	1,0554 ⁸	0,1852 ³⁴		
5,8	1,0559 ¹⁰	0,0012	1,0546 ⁸	0,1818 ³⁴	0,21	1,0614 ²⁵
5,9	1,0549 ¹⁰	0,0011	1,0538 ⁸	0,1786 ³²	0,20	1,0591 ²⁵
6,0	1,0540 ⁹	0,0010	1,0520 ⁸	0,1755 ³¹	0,19	1,0566 ²⁵
					0,18	1,0548 ²⁵
6,5	1,0496	0,0025	1,0491 ³⁶	0,1614 ¹²⁰	0,17	1,0515 ²⁶
					0,16	1,0487 ²⁸
7,0	1,0459	0,0020	1,0456 ³⁰	0,1494 ¹⁰⁴	0,15	1,0458 ²⁹
					0,14	1,0429 ²⁹
7,5	1,0427	0,0021	1,0426 ²⁷	0,1390 ⁹⁰	0,13	1,0399 ³⁰
					0,12	1,0369 ³⁰
8,0	1,0400	0,0027	1,0399 ²⁴	0,1300 ⁷⁹	0,11	1,0338 ³¹
					0,10	1,0306 ³²
8,5	1,0375		1,0375 ²²	0,1221 ⁷¹	9	1,0275
					8	1,0245
9	1,0352		1,0353 ¹⁸	0,1150 ⁶²	7	1,0214
					6	1,0184
9,5	1,0325		1,0325 ¹⁹	0,1088 ⁵⁶	5	1,0153
					4	1,0122
10	1,0316		1,0316	0,1032	3	1,0092
					2	1,0061
					1	1,0031
					0	1,0000

$$\frac{z}{a} = 1 + 0,306 \frac{a}{r} + \beta \frac{a^2}{r^2} +$$

Dampfdrucksumme

$\frac{m}{r}$	$\frac{m}{a}$	$\frac{m}{r^2}$	$\frac{m}{r}$	$\frac{m}{r^2}$	β	$\frac{m}{r} \cdot \frac{m}{r^2}$	$\frac{m}{r} \sqrt{\beta}$
0,48	1,0121						
0,47	1,0180	59					
0,46	1,0238	58	4	0,45	2,22222		
0,45	1,0284	57		0,46	2,17391	96,614	0,14721
0,44	1,0334	50		0,47	2,12766	82,956	0,15801
0,43	1,0382	48		0,48	2,08333	71,56	0,16929
0,42	1,0425	43		0,49	2,04082	61,99	0,18058
0,41	1,0463	38		5,00	2,00000	53,91	0,19285
0,40	1,0503	40		0,51	1,96078	47,06	0,20475
x 0,39	1,0537	34		0,52	1,92384		
0,38	1,0569	32		0,51	1,94024	50,36	0,19829
0,37	1,0598	29		0,51	1,96078	47,06	0,20475
0,36	1,0622	24					
0,35	1,0646	24					
0,34	1,0661	15					
0,33	1,0676	15					
0,32	1,0688	12					
0,31	1,0695	6					
0,30	1,0700	5					
0,29	1,0702	2					
0,28	1,0700	-2					
0,27	1,0696	-4					
0,26	1,0690	-6					
0,25	1,0679	-11					
0,24	1,0665	-14					
0,23	1,0651	-14					
0,22	1,0639	-12					
0,21	1,0622	-7					
0,20							

МАСТАН
 ТУСОНУМНОС АКАДЕМИЯ
 КОПИЯРА

$$\frac{Z}{a} = \sqrt{\frac{1 + (r_2 - 1) \frac{a}{r} (1 + c \frac{a}{r}) + \frac{\xi^2}{a^2} (1 - \frac{a}{r_2})}{1 - \frac{2 - r_2}{2} \frac{a}{r} (1 + c \frac{a}{r})}} \quad 1)$$

formales Einheitsystem

$$\frac{Z}{a} = 1 + d \frac{a}{r} + \beta \frac{a^2}{r^2} + \gamma \frac{a^3}{r^3} \quad \text{wobei}$$

bei $\frac{a}{r}$ ungenau Kenntnis abzuwecken

$$\frac{Z}{a} = \sqrt{\frac{1 + (r_2 - 1) \frac{a}{r}}{1 - \frac{2 - r_2}{2} \frac{a}{r}}}$$

erweitert $d = 0,3064$ $\tan 0,306$

erweitert $\frac{a}{r} = a$ $\frac{a'}{r'} = a'$ in $\frac{Z}{a} - 1 - d \frac{a}{r} = \xi$
 $\frac{Z'}{a'} - 1 - d \frac{a'}{r'} = \xi'$

bei

$$\xi = \beta a^2 + \gamma a^3 \quad | \cdot a^{10}$$

$$\xi' = \beta a'^2 + \gamma a'^3 \quad | \cdot a'^{10}$$

$$\frac{Z}{a} = 1 + 0,306 \frac{a}{r} + 0,055 \frac{a^2}{r^2} + 0,203 \frac{a^3}{r^3}$$

$$\frac{\xi a'^{10} - \xi' a^{10}}{a^2 a'^{10} - a'^2 a^{10}} = \beta$$

Basiskonstante $\beta = 100$ von Kometen $\frac{a}{r} = 0,44688$ $\xi = 0,02906$

$$\log \frac{a}{r} = 0,6501962 - 1$$

$$\frac{r}{a} = 2,2277$$

log

$$\frac{Z}{a} = 1,16581$$

$$d \frac{a}{r} = 0,13675$$

$$\text{bleibt } \xi = 0,02906$$

1) formales $\frac{a'}{r'} = \frac{1}{4} r_2$ $\frac{a'}{a} = 0,0107$ $\frac{r'}{a} = 1,08318$ $\xi' = 0,00668$

(hier $c = 0,306$)

erweitert $\beta = 0,05492$

$$\beta a^2 = 0,0009680$$

$$\xi - \beta a^2 = 0,02906 - 0,000968$$

$$\gamma = 0,202698$$

a 2) formales $\frac{a}{r} = \frac{1}{4} r_2$ abge

$$\frac{z}{a} = \sqrt{\frac{1 + (\sqrt{2}-1) \frac{z}{r} (1 + 0,206 \frac{a}{r}) + \frac{z^2}{a^2} (1 + \frac{z}{\sqrt{2}r})}{1 - \frac{2-\sqrt{2}}{3} \frac{z}{r} (1 + 0,206 \frac{a}{r})}} \dots 1)$$

$$\frac{2-\sqrt{2}}{3} = 0,5858$$

Formula hipotézis

Danzonköltség $\beta = 100$ forint $\frac{r}{\theta} = 0,31646$

$$\frac{a}{r} = \sqrt{\frac{z}{\beta}} \frac{6}{r} \quad \frac{r}{a} = 2,2377$$

erősebb keresés a juttatásban.

$$\frac{z}{a} = \sqrt{\frac{1 + 0,21042 + 0,07968}{0,90081}} = \sqrt{\frac{1,22410}{0,90081}} = 1,16571$$

$$\frac{z}{a} \text{ Danzonköltség mintája} = \underline{\underline{1,1658}}$$

Kapcsolat:

$$\left. \begin{array}{l} \frac{r}{a} = 2,2 \text{ a} \\ \frac{r}{a} = 4 \text{ körök} \end{array} \right\} \frac{z}{a} = 1 + 0,206 \frac{a}{r} + 0,055 \frac{a^2}{r^2} + 0,203 \frac{a^3}{r^3} \dots 2)$$

1) és 2) formula's összehasonlítása

$$\frac{a}{r} = \frac{1}{2} r \text{ a } 2) \text{ formula adja } \frac{z}{a} = 1,1156$$

$$\frac{a}{r} = \frac{1}{2} r \text{ a } 1) \text{ formula adja } \frac{z}{a} = \sqrt{\frac{1 + 0,1521 + 0,0032}{0,92928}} = \sqrt{\frac{1,1553}{0,92928}} =$$

$$\frac{z}{a} = 1,1150$$

1,102
1,013

$$\frac{a}{r} = \frac{1}{6} r \text{ a } 1) \text{ formula adja } \frac{z}{a} = 1,0538$$

$$\text{a } 2) \text{ formula adja } \frac{z}{a} = 1,0535$$

Uj

$$\frac{z}{a} = 1 + 0,206 \frac{a}{r} + \beta \frac{a^2}{r^2} + \gamma \frac{a^3}{r^3} \text{ formula, unitaria}$$

from formula $\beta = 100$

$$\frac{a}{r} = 0,44688$$

$$\gamma = 0,02906$$

$$\frac{\gamma a'^3 - \gamma' a^3}{a^2 a'^2 - a'^2 a^2} = \beta$$

is of 1 formula $\frac{a'}{r'} = \frac{1}{3}$

of formula $\gamma' = 0,0130$

$$\beta = 0,0323$$

$$\gamma = \frac{0,02906}{0,254}$$

of a formula and $\frac{a}{r} = \frac{1}{4}$ re

$$\frac{z}{a} = 1,0825$$

$$\frac{z}{a} = 1 + 0,306 \frac{a}{r} + \beta \frac{a^2}{r^2} + \gamma \frac{a^3}{r^3} + \delta \frac{a^4}{r^4} \dots 3)$$

Formula lineamentis .

elyvris

$$\left. \begin{aligned} a &= \alpha x + \beta y + \gamma z \\ a' &= \alpha x' + \beta y' + \gamma z' \\ a'' &= \alpha x'' + \beta y'' + \gamma z'' \end{aligned} \right\} \text{eigenleibheit meghatározandi } \alpha \text{ és } \beta \gamma.$$

ebből fogjuk

$$a z' - a' z = \alpha (x z' - x' z) + \beta (y z' - y' z)$$

$$a' z'' - a'' z' = \alpha (x' z'' - x'' z') + \beta (y' z'' - y'' z')$$

Φ

az így egyenlet alapján

$$\left. \begin{aligned} A &= \alpha X + \beta \xi \\ \text{és } B &= \alpha Y + \beta \eta \end{aligned} \right\} \mathcal{F}$$

ebből

$$\alpha = \frac{A\eta - B\xi}{X\eta - Y\xi}$$

így számítva látszik

Demphth k=100

$$a = 0,02906$$

$$x = (0,44668)^2$$

$$y = x^2$$

$$z = x^2$$

$$x' = \left(\frac{2}{9}\right)^2 \quad a' = 0,0130$$

$$x'' = \frac{1}{9}$$

$$y' = \left(\frac{2}{9}\right)^2 = \frac{1}{27}$$

$$z' = \left(\frac{1}{9}\right)^2 = \frac{1}{81}$$

az 1) formula alapján

$$a'' = 0,00668$$

$$x'' = \frac{1}{16}$$

$$y'' = \left(\frac{1}{16}\right)^2 = \frac{1}{256}$$

$$z'' = \left(\frac{1}{16}\right)^2 = \frac{1}{256}$$

következésként

$$\alpha = 0,13141$$

ezen értékekkel & eigenleibthez hasonlóan elvileg tudjuk:

$$\beta = -0,26278$$

és ezután $\frac{z}{a}$ értékek $\frac{a}{r} = \frac{1}{9}$ az 1) eigenleibthez véve

$$\gamma = 0,65853$$

tehát

$$\frac{z}{a} = 1 + 0,306 \frac{a}{r} + 0,13141 \frac{a^2}{r^2} - 0,26278 \frac{a^3}{r^3} + 0,65853 \frac{a^4}{r^4}$$

$$\log \alpha = 0,4857214 - 1$$

$$\log \beta = 0,1186284 - 1$$

$$\log \gamma = 0,4195923 - 1$$

$$\log \delta = 0,8185756 - 1$$

a 3) formula ellenőrzése

$\frac{a}{r} = 0,44668$ re adja

$\frac{z}{a} = 1 + 0,12674 + 0,02624 - 0,02345 + 0,02626 = 1,16581$

számokra ~~benne~~ 1,16581

$\frac{m}{a} = 1,0244$ $\frac{m}{r} = 0,45779$

$\frac{a}{r} = \frac{1}{4}$ re adja

$\frac{z}{a} = 1 + 0,07650 + 0,00820 - 0,0041 + 0,0026 = 1,0832$

az 1) formula adja = 1,0832

$\frac{a}{r} = \frac{1}{6}$ re adja

$\frac{z}{a} = 1 + 0,0510 + 0,0026 - 0,0012 + 0,0004 = 1,0538$

az 1) formula adja 1,0538

~~$\frac{m}{a} = 1,0537$~~

$\frac{m}{a} = 1,0528$

$\frac{m}{r} = 0,17547$

jól van.

$\frac{a}{r} = \frac{1}{3,8}$

$\frac{z}{a} = 1,0887$

$\frac{m}{a} = 1,0702$

$\frac{m}{r} = 0,28163$

$\frac{z}{a} = 1 + 0,0805 + 0,0091 - 0,0048 + 0,0032$

$\frac{r}{a}$	$\frac{a}{r}$	$\frac{a^2}{r^2}$	$\frac{2\sqrt{2}-1}{3} \left(\frac{a}{r} + \frac{1}{2} \frac{a^2}{r^2} \right)$ $\frac{2\sqrt{2}-1}{3} = 0,6094$	$\sqrt{1 + \frac{2\sqrt{2}-1}{3} \left(\frac{a}{r} + \frac{1}{2} \frac{a^2}{r^2} \right)}$	$\frac{h}{a}$	$\frac{m}{a} = \sqrt{1 + \frac{2\sqrt{2}-1}{3} \left(\frac{a}{r} + \frac{1}{2} \frac{a^2}{r^2} \right)} - \frac{h}{a}$
2	0,5	0,2500	0,4983	1,1751	0,1786	0,9965
2,1	0,4762	0,2267	0,4796	1,1658	0,1582	1,0075
2,2	0,4545	0,2066	0,4625	1,1575	0,1400	1,0175
2,3	0,4348	0,1890	0,4461	1,1500	0,1239	1,0261
2,4	0,4167	0,1736	0,4307	1,1421	0,1095	1,0336
2,5	0,4000	0,1600	0,4160	1,1268	0,0962	1,0401
2,6	0,3846	0,1479	0,4022	1,1211	0,0854	1,0457
2,7	0,3704	0,1372	0,3891	1,1258	0,0752	1,0505
2,8	0,3571	0,1275	0,3766	1,1209	0,0665	1,0544
2,9	0,3448	0,1189	0,3646	1,1162	0,0586	1,0577
3,0	0,3333	0,1110	0,3535	1,1121	0,0516	1,0605
3,1	0,3226	0,1040		1,1082	0,0455	1,0627
3,2	0,3125	0,0976		1,1046	0,0400	1,0646
3,3	0,3030	0,0918		1,1011	0,0352	1,0659
3,4	0,2941	0,0865		1,0980	0,0310	1,0670
3,5	0,2857	0,0815	0,2050	1,0949	0,0272	1,0676
3,6	0,2778	0,0771		1,0921	0,0240	1,0681
3,7	0,2703	0,0730		1,0894	0,0211	1,0683
3,8	0,2631	0,0692		1,0869	0,0185	1,0684
3,9	0,2564	0,0657		1,0845	0,0162	1,0683
4,0	0,2500	0,0625	0,2671	1,0823	0,0143	1,0680
4,1	0,2439	0,0595		1,0801	0,0125	1,0676
4,2	0,2381	0,0567		1,0781	0,0110	1,0671
4,3	0,2325	0,0540		1,0761	0,0096	1,0665
4,4	0,2273	0,0517		1,0743	0,0085	1,0658
4,5	0,2222	0,0493	0,2367	1,0725	0,0074	1,0651
4,6	0,2174	0,0472		1,0709	0,0065	1,0644
4,7	0,2127	0,0452		1,0693	0,0059	1,0634
4,8	0,2083	0,0434		1,0677	0,0050	1,0627
4,9	0,2041	0,0416		1,0663	0,0044	1,0619
5,0	0,2000	0,0400	0,2122	1,0649	0,0038	1,0611
5,1	0,1961	0,0384		1,0635	0,0034	1,0601

$\frac{r}{a}$	$\frac{a}{r}$	$\frac{a^2}{r^2}$	$\sqrt{1 + \frac{2\sqrt{2}-1}{3} \left(\frac{a}{r} + \frac{1}{2} \frac{a^2}{r^2} \right)}$	$\frac{h}{a}$	$\frac{m}{r}$	$\frac{m}{a}$
5,2	0,1923	0,0369	1,0623	0,0029		1,0594
5,3	0,1887	0,0356	1,0610	0,0026		1,0584
5,4	0,1852	0,0343	1,0598	0,0023		1,0575
5,5	0,1818	0,0330	1,0586	0,0020		1,0566
5,6	0,1786	0,0319	1,0575	0,0017		1,0558
5,7	0,1754	0,0307	1,0565	0,0015		1,0550
5,8	0,1724	0,0296	1,0555	0,0013		1,0542
5,9	0,1695	0,0287	1,0545	0,0011	0,1785	1,0534

$\frac{r}{m}$	$\frac{r}{a}$	$\frac{h}{m}$	$\frac{h}{a}$	$\frac{a}{m}$	$\pi h^2 v$ $\left(\frac{a^2}{m^2} - \frac{r}{m} \frac{h}{a} \right)$	$\pi a^2 v$ $\left(1 - \frac{r}{a} \frac{h}{a} \right)$
2,1739	2,224	0,14064	0,1439	0,97733	0,64944	0,67997 ⁸⁰⁰
1,8868	1,844	0,24041	0,2350	1,02302	0,59296	0,56696
1,6667	1,529	0,38788	0,3558	1,09016	0,54196	0,45598
	1,526 1,222		0,54152		0	0,33825
x	0,98523		0,76584			0,24340 ₆₈₀₀
x	3		0,0515			0,8455
	4		0,0127			0,9452 ⁹⁹⁷
	5		0,0026			0,9820 ³⁷⁸
	∞					1,0000
	0					\emptyset
	1,222					0,33825
	1,844					0,56696
	<u>3,000</u>					0,8455