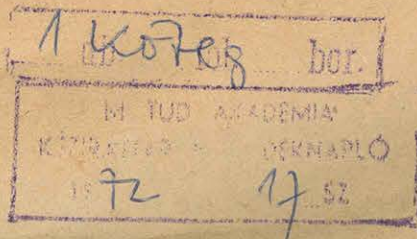


Ms 5099/23.

Eotvös Loránd jogretel. Szemlekió



Ms 5099 / 23

A Gravitationis et
Resolventis viginti labora-
torum unius essentia et.

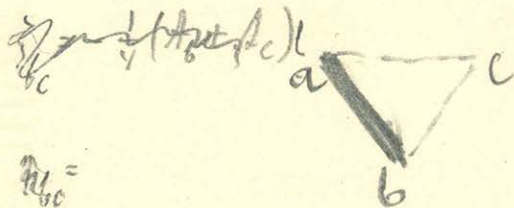


$$\xi_{bc} = +\frac{1}{4}(A_b + A_c)L + \eta_{bc}$$

$$\eta_{bc} = -\frac{1}{2}(B_c + B_a)L - \eta_{ab}$$

4

20!! 1



$$\xi_{bc} =$$

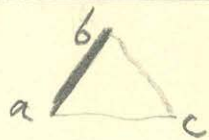
$$\xi_{bc} = +\frac{1}{2}(B_c + B_a)L - \xi_{ab}$$

$$\eta_{bc} = +\frac{1}{4}(A_b + A_c)L + \xi_{bc}$$

$$\xi_{ab} = K$$

$$\eta_{ab} = \frac{1}{4}(A_a + A_b)L - \xi_{ab}$$

$$\eta_{ab} = \frac{1}{4}(A_a + A_b)L - K$$



2

$$\xi_{bc} = +\frac{1}{2}(B_c + B_a)l - \xi_{ab}$$

$$\eta_{bc} = +\frac{1}{4}(A_b + A_c) - \xi_{bc}$$

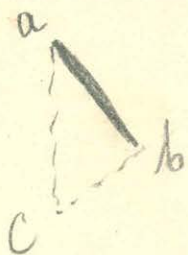
3

$$\eta_{bc} = +\frac{1}{4}(A_b + A_c) - \eta_{bc}$$

$$\xi_{bc} = -\frac{2}{2}B_{all}l$$

$$\eta_{bc} = -\frac{1}{2}(B_c + B_a)l - \eta_{ab}$$





$$T_{bc} = +\frac{1}{4}\frac{1}{\sqrt{2}}(A_b + A_c)$$

$$T_{ca} = +\frac{1}{2}(B_c + B_a)L$$

$$\alpha_{ca} = 0$$

$$\alpha_{bc} = -3\frac{\pi}{4}$$

$$\sin \alpha_{ca} = 0$$

$$\sin \alpha_{bc} = -\frac{1}{\sqrt{2}}$$

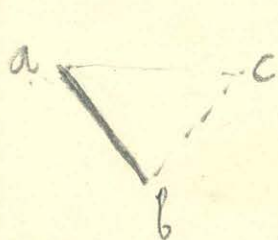
$$\cos \alpha_{ca} = +1$$

$$\cos \alpha_{bc} = -\frac{1}{\sqrt{2}}$$

$$\sin(\alpha_{ca} - \alpha_{bc}) = +\frac{1}{\sqrt{2}}$$

4

MAHYAK
DIDJALOGOS AKADIBAMA
PUSAT PAKAR



1
20'

$$T_{bc} = +\frac{1}{4}\frac{1}{\sqrt{2}}(A_b + A_c)$$

$$T_{ca} = -\frac{1}{2}(B_c + B_a)L$$

$$\alpha_{ca} = -\frac{\pi}{2}$$

$$\alpha_{bc} = +\frac{\pi}{4}$$

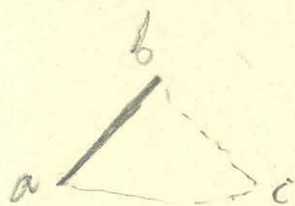
$$\sin \alpha_{ca} = -1$$

$$\sin \alpha_{bc} = +\frac{1}{\sqrt{2}}$$

$$\cos \alpha_{ca} = 0$$

$$\cos \alpha_{bc} = +\frac{1}{\sqrt{2}}$$

$$\sin(\alpha_{ca} - \alpha_{bc}) = -\frac{1}{\sqrt{2}}$$



(2)

$$T_{bc} = -\frac{1}{4} \frac{1}{\sqrt{2}} (A_b + A_c)$$

$$T_{ca} = -\frac{1}{2} (B_c + B_a) L$$

$$\alpha_{ca} = -\frac{\pi}{2} \quad \alpha_{bc} = +3\frac{\pi}{4}$$

$$\sin \alpha_{ca} = -1 \quad \sin \alpha_{bc} = +\frac{1}{\sqrt{2}}$$

$$\cos \alpha_{ca} = 0 \quad \cos \alpha_{bc} = -\frac{1}{\sqrt{2}}$$

$$\sin(\alpha_{ca} - \alpha_{bc}) = +\frac{1}{\sqrt{2}}$$



(3)

$$T_{bc} = -\frac{1}{4} \frac{1}{\sqrt{2}} (A_b + A_c)$$

$$T_{ca} = +\frac{1}{2} (B_c + B_a) L$$

$$\alpha_{ca} = 0 \quad \alpha_{bc} = +3\frac{\pi}{4}$$

$$\sin \alpha_{ca} = 0 \quad \sin \alpha_{bc} = +\frac{1}{\sqrt{2}}$$

$$\cos \alpha_{ca} = +1 \quad \cos \alpha_{bc} = -\frac{1}{\sqrt{2}}$$

$$\sin(\alpha_{ca} - \alpha_{bc}) = -\frac{1}{\sqrt{2}}$$

Átalakított párisi eszköz (vörösrezz rúddal) állandóságának meghatározása.

Adatok:

Meridian = I. állás: 235° 40'

Olom súly nélkül					Olom súlyjal				
Datum	Állás	n	t _k	t _b	Datum	Állás	n	t _k	t _b
1907.					1907.				
aug 24. d. e. 7h 0m	I	186.3	22.0	22.0	aug. 26. r. 7h 0m	I	184.1	21.3	21.4
" 9h 30m	II	187.7 ₈	21.8	22.0	" 9h 30m	II	193.2	21.3	21.4
" 12h 0m	III	186.2	21.9	22.0	" 12h 0m	III	184.8	21.3	21.4
" 2h 30m	IV	184.4	21.8	22.0	" 2h 30m	IV	175.6	21.4	21.5
" 5h 0m	V	185.3	21.8	22.0	" 5h 0m	V	183.9	21.5	21.7
" 7h 30m	VI	186.9	21.8	22.0	" 7h 30m	VI	192.4	21.6	21.8
" 10h 0m	VII	185.8	21.7	21.9	" 10h 0m	VII	184.0	21.5	21.7
aug 25. 12h 30m	VIII	184.4 ₅	21.6	21.8	aug 27. 12h 30m	VIII	175.9	21.5	21.7
" 3h 0m	I	185.1 ₂	21.6	21.8	" 3h 0m	I	183.8	21.4	21.7
" 5h 30m	II	186.1 ₂	21.6	21.8	" 5h 30m	II	a kinyitáskor tapadt!		
" 8h 0m	III	185.3 ₄	21.6	21.8	" 8h 0m	II	192.8	21.3	21.5
" 10h 30m	IV	183.9 ₈	21.5	21.7	" 10h 30m	III	183.7	21.3	21.5
" 1h 0m	V	184.3 ₄	21.6	21.8	" 1h 0m	IV	175.0	21.4	21.6
" 3h 30m	VI	185.6 ₇	21.9	21.9	" 3h 30m	V	183.8	21.8	22.0
" 6h 0m	VII	185.0	21.9	22.0	" 6h 0m	VI	192.1	21.8	22.0
" 8h 30m	VIII	183.8 ₈	21.7	21.8	" 8h 30m	VII	183.8	21.8	21.9
" 11h 0m	I	184.2 ₃	21.6	21.7	" 11h 0m	VIII	175.2	21.7	21.8
					" 1h 30m	I	183.3	21.7	21.8

Skálatarol : 700.0 mm. (1400 o. r)

Olomsúlyok távolsága egymástól = 174.4 cm.

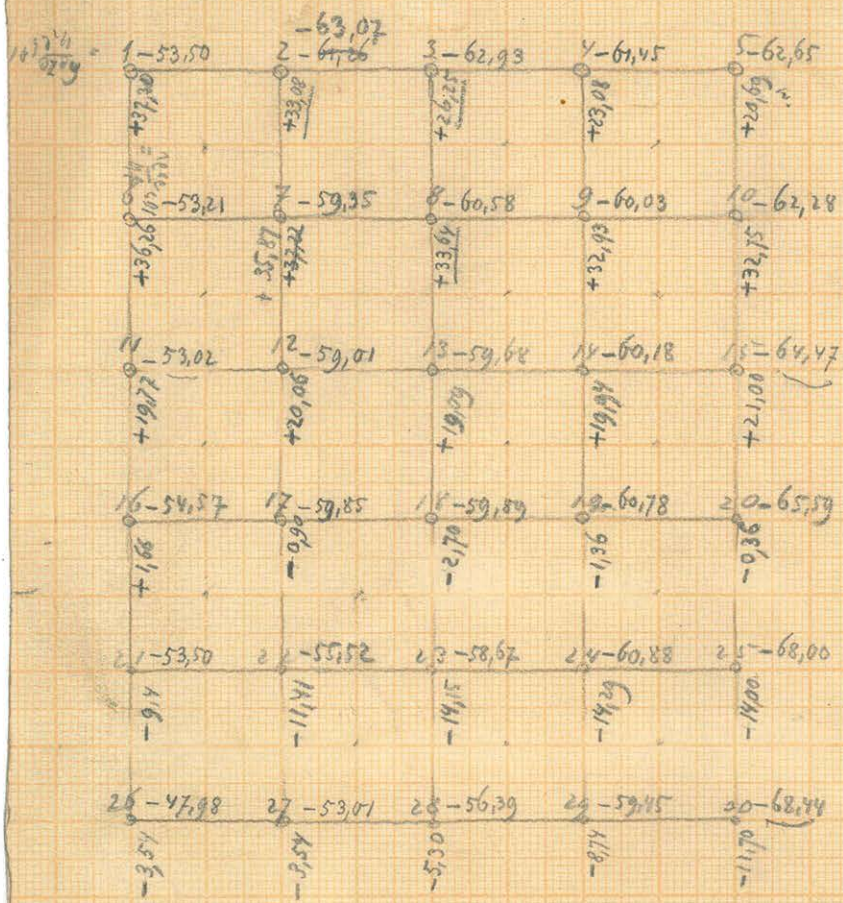
Olomkorcsák súlya (északi súly) = 86080 gr.

" " (déli súly) = 86238 gr.

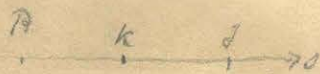
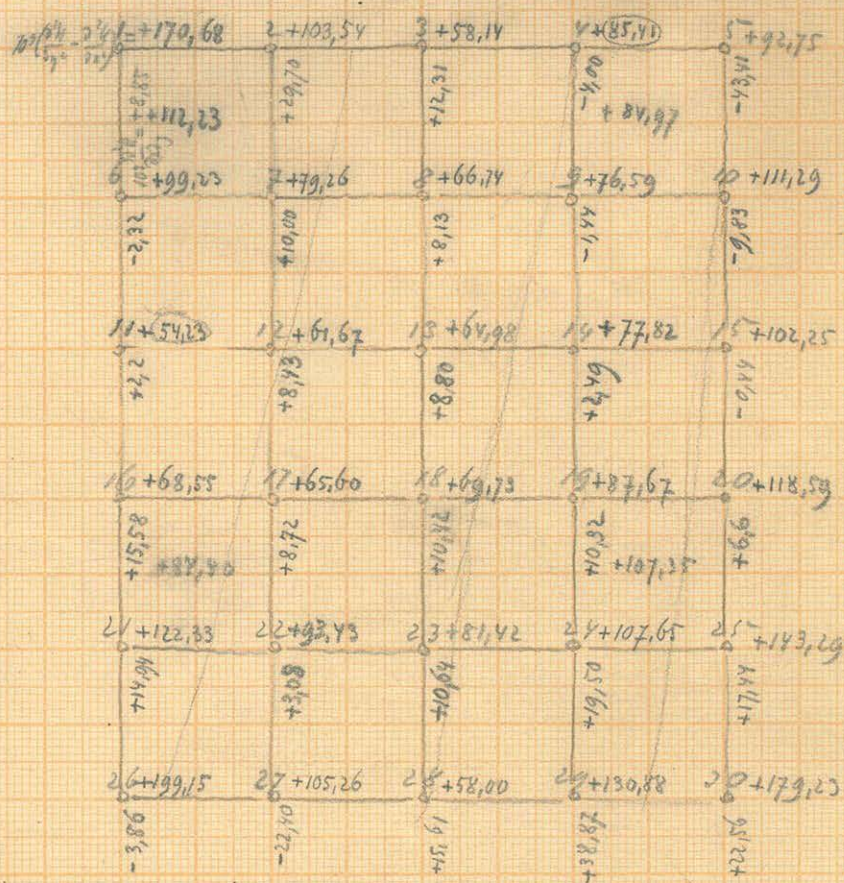
A korcsák az I állás irányában voltak elhelyezve.

A drót hőmérséklet együtthatója = - 0.50 a. r.

Eruck
↑



Eruck



$$\left(\frac{\partial P}{\partial z}\right)_b = \left(\frac{\partial P}{\partial z}\right)_k - \{(P_b + P_k) - 2k\}$$

$$\left(\frac{\partial P}{\partial z}\right)_k = \frac{P_i - P_b}{z}$$

$$\left(\frac{\partial P}{\partial z}\right)_d = \left(\frac{\partial P}{\partial z}\right)_k + \{(P_b + P_k) - 2k\}$$

1) Azis 172

Háttér

Az iroda mellett levő szobában; sátorban.

Meridián (a régi, 1913. évi állított) = $32^{\circ} 0'$

Utórisi körök: 1. nö (27 - 277) 152
2. nö (300 - 545) 423
3. nö (631 - 869) 750

MÁGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

1914 Az eslelés		Tolójáras	Az eslelés		Temperatura			Lcsó			Lcsó		
nappa	orája		állás	főkor	K	G.	n	m ₀	n-m ₀	m	m ₀	m-m ₀	
apr. 1.	8 ^h on	derült	I	321°0'	139	139	143,1			421,0			
	9 ^h on	"	II	81°0'	140	139	136,0			429,0	426,37	+2,63	
	10 ^h on	nap söt.	III	201°0'	140	139	143,0			429,1	426,37	+2,73	
	11 ^h on	"	I	321°0'	143	139	143,1			421,0	426,37	-5,33	
	12 ^h on	"	II	81°0'	145	140	136,1			428,9	426,27	+2,53	
	1 ^h on	"	III	201°0'	146	141	143,0			429,2	426,20	+2,87	
	2 ^h on	"	I	321°0'	146	142	143,8			420,9	426,33	-5,43	
	3 ^h on	"	II	81°0'	146	142	135,8			428,9	426,25	+2,55	
	4 ^h on	"	III	201°0'	146	142	142,0			429,25	426,20	+2,92	
	5 ^h on	derült	I	321°0'	146	143	143,0			420,95	426,20	-5,38	
	6 ^h on	"	II	81°0'	145	144	135,4			428,9	426,28	+2,57	
	7 ^h on	"	III	201°0'	145	143	142,0			429,25	426,38	+2,87	
	8 ^h on	"	I	321°0'	144	143	142,7			421,0	426,38	-5,38	
	9 ^h on	csill. ég.	II	81°0'	145	143	135,6			428,9	426,37	+2,53	
	10 ^h on	"	III	201°0'	145	143	142,2			429,2	426,25	+2,85	
	11 ^h on	"	I	321°0'	144	143	143,0			420,95	426,25	-5,40	
	12 ^h on	"	II	81°0'	144	143	135,05			428,9	426,25	+2,55	
apr. 2.	1 ^h on	"	III	201°0'	144	143	142,5			429,2	426,28	+2,87	
	2 ^h on	"	I	321°0'	144	142	142,85			421,0	426,38	-5,38	
	3 ^h on	"	II	81°0'	146	142	135,0			428,95	426,25	+2,60	
	4 ^h on	"	III	201°0'	143	142	142,5			429,1	426,20	+2,77	
	5 ^h on	derült	I	321°0'	143	142	142,9			420,95	426,38	-5,38	
	6 ^h on	"	II	81°0'	143	142	135,15			428,95	426,30	+2,65	
	7 ^h on	borongó	III	201°0'	143	142	142,2			429,0	426,28	+2,72	
							420,9		420,9	426,21	-5,37		
									428,9				

3000

Harmas eskoiz 1.

n

no

n-no

752,8

753,0-

765,3

752,8 750,40 +2,40

753,1 750,35 +2,75

765,1 750,37 -5,22

752,8- 750,35 +2,50

753,05 750,33 +2,72

765,1

752,9

753,2

765,1

752,8

753,15

765,1

752,8

753,15

765,05

752,8

753,05

765,05

752,75

753,05

765,2

Hármas ujkör.

0¹

3 csó"

n-nó	n	nó	n-nó
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2.) ápr. 2-3

1914 Az észlelés		Félejtés	Az észlelés		Temperatúra			T. cs.			L. cs.		
nappj	óraja		állás	főkező	k	b	n	n.	n-n.	n	n.	n-n.	
ápr. 2	8 ^h 0 ^m	Nap. nit	I	321° 0'	14,4	14,3	143,1				420,9		
	9 ^h 0 ^m	"	II	81° 0'	14,5	14,2	135,7				428,9		
	10 ^h 0 ^m	"	III	201° 0'	14,5	14,5	147,2				429,2		
	11 ^h 0 ^m	"	I	321° 0'	14,5	14,5	143,1				420,9		
	12 ^h 0 ^m	"	II	81° 0'	14,5	14,5	135,4				428,8		
	1 ^h 0 ^m	kise bontt	II	201° 0'	14,6	14,3	142,8				429,2		
	2 ^h 0 ^m	kise bontt	I	321° 0'	14,6	14,6	143,2				420,8		
	3 ^h 0 ^m	nap	I	81° 0'	14,6	14,6	135,3				428,8		
	4 ^h 0 ^m		III	201° 0'	14,7	14,8	142,1				429,2		
	5 ^h 0 ^m		I	321° 0'	14,7	14,8	143,2				420,8		
	6 ^h 0 ^m		II	81° 0'	14,6	14,8	135,6				428,9		
	7 ^h 0 ^m		III	201° 0'	14,5	14,8	142,1				429,2		
	8 ^h 0 ^m		I	321° 0'	14,6	14,6	142,8				420,9		
	9 ^h 0 ^m		II	81° 0'	14,6	14,6	135,8				428,9		
	10 ^h 0 ^m		III	201° 0'	14,5	14,6	142,3				429,3		
	11 ^h 0 ^m		I	321° 0'	14,5	14,7	143,0				421,0		
12 ^h 0 ^m		II	81° 0'	14,6	14,0	135,0				428,9			
ápr. 3.	1 ^h 0 ^m		III	201° 0'	14,8	14,7	142,5				429,2		
	2 ^h 0 ^m		I	321° 0'	14,6	14,8	142,9				421,0		
	3 ^h 0 ^m		II	81° 0'	14,8	14,8	135,0				428,9		
	4 ^h 0 ^m		III	201° 0'	14,8	14,8	142,5				429,2		
	5 ^h 0 ^m		I	321° 0'	14,7	14,8	142,9				420,9		
	6 ^h 0 ^m		II	81° 0'	14,5	14,7	135,1				428,8		
	7 ^h 0 ^m		III	201° 0'	14,7	14,7	142,1				429,0		
	8 ^h 0 ^m		I	321° 0'	14,7	14,8	143,2				420,9		
	9 ^h 0 ^m		II	81° 0'	14,7	14,8	135,6				428,9		
	10 ^h 0 ^m		III	201° 0'			142,0				429,1		

B 400"

Hármasszelet

2

n n₂ n - n₂

752,9
753,1
745,1
752,8
753,2
745,1
752,8
753,1
745,1
752,8
753,1
745,1
752,8
753,2
745,1
752,8
753,2
745,1
752,8
753,2
745,0
752,7
753,2
745,1
752,8
753,0,5
745,5

Hármas esztendő

3.) évr. 3-4.

1914		Időjárás	Az esőkör		Temperatura		1 ^o o			2 ^o o		
napja	óraja		állása	forrás	k.	b.	m	mo	m-no	n	no	n-no
apr. 7	8h.0	derült	I	321°0'	14.7	14.8	143.2			420.9		
	9h.0	napos	II	81°0'	14.7	14.8	135.6			428.9		
	10h.0	"	III	201°0'	14.7	14.4	142.0			429.1		
	11h.0	"	I	321°0'	14.7	14.5	143.45			420.8		
	12h.0	"	II	81°0'	15.0	14.7	135.9			428.85		
	1h.0	"	III	201°0'	15.1	14.8	143.1			429.0		
	2h.0	"	I	321°0'	15.3	14.8	143.1			420.8		
	3h.0	"	II	81°0'	15.3	14.8	135.2			428.9		
	4h.0	"	III	201°0'	15.1	14.8	142.2			429.1		
	5h.0	derült	I	321°0'	15.1	14.9	143.05			420.75		
	6h.0	"	II	81°0'	15.2	14.8	135.1			428.8		
	7h.0	"	III	201°0'	15.2	14.8	142.05			429.1		
	8h.0	"	I	321°0'	15.0	14.8	144.1			420.8		
	9h.0	"	II	81°0'	15.0	14.9	135.35			428.8		
	10h.0	csillagos	III	201°0'	15.0	14.9	142.2			429.1		
11h.0	"	I	321°0'	15.0	14.9	143.0			420.8			
12h.0	"	II	81°0'	15.0	14.9	135.0			428.8			
apr. 8	1h.0	"	III	201°0'	15.0	14.9	142.4			429.1		
	2h.0	"	I	321°0'	15.0	15.0	142.8			420.8		
	3h.0	"	II	81°0'	15.0	15.0	135.0			428.8		
	4h.0	"	III	201°0'	15.0	15.0	142.4			429.0		
	5h.0	borongós	I	321°0'	15.0	15.0	142.8			420.9		
	6h.0	"	II	81°0'	15.2	14.9	135.05			428.8		
	7h.0	borult	III	201°0'	15.2	15.0	142.0			429.0		
	8h.0	"	I	321°0'	15.0	15.0	143.3			420.8		
	9h.0	"	II	81°0'	15.0	15.1	135.35			428.8		
	10h.0	derült	III	201°0'	15.0	15.1	144.95			429.05		

3000'

3.

Harmas eszkeöz

n	n ₀	n-n ₀
752.8		
753.05		
745.5		
752.8		
753.05		
745.0		
752.8		
753.05		
745.05		
752.9		
753.2		
745.1		
752.85		
753.15		
745.1		
752.75		
753.2		
745.1		
752.8		
753.2		
745.1		
752.8		
753.2		
745.3		
752.85		
753.15		
745.1		

Hármas eszköz

4.) apr. 4-5. Városnap

1914-es		Időjárás	Az eszköz		Temper.		1000			2000		
napja	órája		állása	felvétel	k.	b.	n	m ₀	m-n ₀	n	m ₀	m-n ₀
ápr. 4.	8h 0m	borult	I	321° 0'	15.0	15.0	143.3			420.8		
	9h 0m	"	II	81° 0'	15.0	15.1	135.35			428.8		
	10h 0m	derengés	III	201° 0'	15.0	15.1	141.95			429.05		
	11h 0m	"	I	321° 0'	15.0	15.1	143.25			420.85		
	12h 0m	derengés	II	81° 0'	15.1	15.2	136.0			428.8		
	1h 0m	"	III	201° 0'	15.2	15.2	143.1			429.05		
	2h 0m	"	I	321° 0'	15.2	15.2	143.25			420.8		
	3h 0m	"	II	81° 0'	15.2	15.1	135.3			428.8		
	4h 0m	"	III	201° 0'	15.2	15.1	142.0			429.0		
	5h 0m	"	I	321° 0'	15.2	15.1	143.1			420.7		
	6h 0m	"	II	81° 0'	15.2	15.1	135.35			428.8		
	7h 0m	"	III	201° 0'	15.1	15.1	142.8			429.1		
	8h 0m	"	I	321° 0'	15.1	15.1	142.95			420.85		
	9h 0m	"	II	81° 0'	15.1	15.1	136.2			428.8		
	10h 0m	borongás	III	201° 0'	15.1	15.1	142.2			429.1		
	11h 0m	"	I	321° 0'	15.1	15.1	143.0			420.8		
	12h 0m	"	II	81° 0'	15.0	15.1	135.05			428.8		
ápr. 5.	1h 0m	"	III	201° 0'	15.0	15.1	142.35			429.0		
	2h 0m	"	I	321° 0'	15.0	15.0	142.8			420.9		
	3h 0m	"	II	81° 0'	15.0	15.0	135.0			428.8		
	4h 0m	borult	III	201° 0'	15.0	15.0	142.5			429.05		
	5h 0m	"	I	321° 0'	15.0	15.0	142.8			420.8		
	6h 0m	"	II	81° 0'	15.0	15.0	135.1			428.8		
	7h 0m	"	III	201° 0'	15.0	15.0	142.3			429.15		
	8h 0m	"	I	321° 0'			143.0			420.95		
	9h 0m	"	II	81° 0'			135.2			428.8		
	10h 0m	"	III	201° 0'			142.25			429.1		

345

Hármas eszköz h.

M

M_o

M-No

752.85

753.15

745.1

752.9

753.1

745.1

752.85

753.15

745.15

752.85

753.2

745.2

752.9

753.15

745.1

752.8

753.1

745.05

752.8

753.1

745.05

752.7

753.1

745.05

752.7

753.05

745.05

Halmazérték

5.) apr. 5-6.

1911. v.		Mõõtmise koht	Oksa asukoht		Temperatuur		1. n ^o			2. n ^o		
kuupäev	aja		allikas	lõtk	k	l	n	n ₀	n-n ₀	n	n ₀	n-n ₀
apr. 5	8 homm	korvilt	I.	321°0'	15,0	14,9	143,0				420,95	
	9 homm	"	II.	81°0'	15,0	14,9	135,2				428,8	
	10 homm	deeringi	III.	201°0'	15,0	14,9	142,25				429,1	
	11 homm	"	I.	321°0'	15,0	14,9	143,0				420,95	
	12 homm	korvilt	II.	81°0'	15,0	14,9	135,2				428,8	
	1 homm	"	III.	201°0'	15,0	15,0	142,0				429,1	
	2 homm	deeringi	I.	321°0'	15,0	15,0	143,1				420,95	
	3 homm	"	II.	81°0'	15,1	15,0	135,55				428,85	
^x kontroll	4 homm	"	III.	201°0'	15,1	15,0	142,8 ^x				429,15	
	5 homm	"	I.	321°0'	15,1	15,0	143,25				420,95	
	6 homm	deeringi	II.	81°0'	15,1	15,0	135,2				428,8	
	7 homm	"	III.	201°0'	15,1	15,0	142,85				429,1	
	8 homm	vilu. ig.	I.	321°0'	15,0	15,0	143,2				420,95	
	9 homm	"	II.	81°0'	15,0	15,0	135,4				428,85	
^x kontroll	10 homm	"	III.	201°0'	15,0	15,0	142,2 ^x				429,1	
	11 homm	"	I.	321°0'	15,0	15,0	143,0				420,95	
	12 homm	"	II.	81°0'	15,0	15,0	135,05				428,9	
apr. 6	1 homm	"	III.	201°0'	15,0	15,0	142,4				429,1	
	2 homm	"	I.	321°0'	15,0	15,0	142,85				420,95	
	3 homm	"	II.	81°0'	15,0	15,0	135,0				428,9	
	4 homm	"	III.	201°0'	15,0	15,0	142,4				429,1	
	5 homm	deeringi	I.	321°0'	15,0	15,0	142,85				420,95	
	6 homm	"	II.	81°0'	15,0	15,0	135,15				428,9	
	7 homm	"	III.	201°0'	15,0	15,0	142,1				429,05	

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Harmes writes.

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Hormon érték

6.) apr. 6-7.

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

1914 év Méréselés		Hőjárás	Hőmérséklet		Temp.		1 csó	2 csó	
napj	óra		illusa	fiküre	k.	t.			
apr. 6	8 ^h or	derült	I	321°0'	15,0	15,0	142,8		420,9
	9 ^h or	"	II	87°0'	15,0	15,0	135,3		428,9
	10 ^h or	"	III	201°0'	15,0	15,0	142,0		429,1
	11 ^h or		I	321°0'	15,2	15,0	143,2		420,8
	12 ^h or		II	87°0'	15,3	15,0	135,4		428,8
	1 ^h or		III	201°0'	15,4	15,0	143,0	x	429,1
	2 ^h or		I	321°0'	15,5	15,0	142,6		421,0
	3 ^h or		II	87°0'	15,3	15,0	135,5		428,8
	4 ^h or		III	201°0'	15,3	15,0	142,2		429,0
	5 ^h or		I	321°0'	15,0	15,0	143,0		420,8
	6 ^h or		II	87°0'	15,2	15,0	135,0		428,8
	7 ^h or		III	201°0'	15,3	15,0	142,4		429,1
	8 ^h or		I	321°0'	15,0	15,0	142,3		420,9
	9 ^h or		II	87°0'	15,3	15,0	135,0		428,8
	10 ^h or		III	201°0'	15,3	15,0	142,1		429,1
	11 ^h or		I	321°0'	15,2	15,0	143,0		420,9
	12 ^h or		II	87°0'	15,2	15,0	135,0		428,8
	1 ^h or		III	201°0'	15,1	15,0	142,5		429,1
	2 ^h or		I	321°0'	15,1	15,0	142,8		420,9
	3 ^h or		II	87°0'	15,0	15,0	135,0		428,9
	4 ^h or		III	201°0'	15,0	15,0	142,5		429,1
	5 ^h or		I	321°0'	15,0	15,0	142,9		420,9
	6 ^h or		II	87°0'	15,0	15,0	135,4		428,8
	7 ^h or		III	201°0'	15,0	15,0	142,5		429,0
	8 ^h or		I	321°0'	15,0	15,0	142,7		420,9
	9 ^h or		II	87°0'	15,3	15,0	135,3		428,8
	10 ^h or		III	201°0'					

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Harmanas eszköz

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Harmas eszköz.

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Hármás eszköz

8. apr. 8-9.

HÁGYAR
SZODOMÉNYOS AKADÉMIA
KÖNYVTÁRA

1914 év		Időjárás	Az eszköz		Temper.		1. cső			2. cső		
napja	óraja		állás	felvétel	k.	b.	n.	m.	n-n.	n.	m.	n-n.
ápr 8	8h 0m	csik.	I	321° 0'	152	151	142.6				420.8	
	9h 0m	"	II	81° 0'	153	152	135.1				428.8	
	10h 0m	bonult	III	201° 0'	153	152	143.45				429.05	
	11h 0m	"	I	321° 0'	153	152	142.9				420.9	
	12h 0m	"	II	81° 0'	152	152	135.6				428.8	
	1h 0m	"	III	201° 0'	152	152	142.7				429.05	
	2h 0m	borús	I	321° 0'	153	152	142.7				420.8	
	3h 0m	bonult	II	81° 0'	153	152	135.4				428.75	
	4h 0m	csik.	III	201° 0'	153	153	143.0				429.0	
	5h 0m	"	I	321° 0'	153	153	142.5				420.9	
	6h 0m	bonult	II	81° 0'	152	153	135.0				428.8	
	7h 0m	"	III	201° 0'	153	153	142.7				429.0	
8h 0m	"	I	321° 0'	153	153	142.8				420.8		
9h 0m	"	II	81° 0'	153	153	135.0				428.9		
10h 0m	"	III	201° 0'	152	153	142.2				429.0		
11h 0m	"	I	321° 0'	151	152	143.0				420.8		
12h 0m	"	II	81° 0'	151	152	135.0				428.8		
ápr 9	1h 0m	"	III	201° 0'	151	152	142.5				429.0	
	2h 0m	"	I	321° 0'	151	152	142.9				420.8	
	3h 0m	"	II	81° 0'	151	152	135.0				428.8	
	4h 0m	borús	III	201° 0'	151	152	142.6				429.0	
	5h 0m	dehiti	I	321° 0'	151	151	143.0				420.8	
	6h 0m	bonult	II	81° 0'	151	151	135.2				428.75	
	7h 0m	"	III	201° 0'	150	151	142.0				429.0	
	8h 0m	"	I		150	150	142.5				420.8	
	9h 0m	"	II		150	150	135.4				428.7	

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Haimas eszköze

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Hurmas esköz

9. apr. 9-10

1914 év		Az észlelés	Az észköz	Temp.			1. osz.		2. osz.		
napja	óraja			állás	féltóra	k.	t.	m.	m.	m.	m.
ápr 9	8 ^h 00m	derült	I	321° 0'	15,0	15,0	142,5		426,3		
	9 ^h 00m	"	II	87° 0'	15,0	15,0	135,4		429,7	426,67	+2,53
	10 ^h 00m	"	III	201° 0'	15,2	15,0	142,3		429,5	426,67	+2,83
	11 ^h 00m	derengő	I	321° 0'	15,2	15,0	143,5		424,3	426,67	-5,37
	12 ^h 00m	derült	II	87° 0'	15,4	15,0	135,5		429,7	426,67	+2,53
	1 ^h 00m	"	III	201° 0'	15,5	15,0	143,0		429,5	426,67	+2,83
	2 ^h 00m	"	I	321° 0'	15,6	15,1	143,0		424,3	426,67	-5,37
	3 ^h 00m	"	II	87° 0'	15,4	15,1	135,7		429,2	426,67	+2,53
	4 ^h 00m	"	III	201° 0'	15,5	15,0	142,0		429,5	426,63	+2,87
	5 ^h 00m	"	I	321° 0'	15,5	15,0	143,2		421,2	426,60	-5,40
	6 ^h 00m	"	II	87° 0'	15,3	15,0	135,5		429,1	426,67	+2,43
	7 ^h 00m	"	III	201° 0'	15,3	15,0	143,1		429,7	426,67	+2,93
	8 ^h 00m	"	I	321° 0'	15,2	15,0	142,5		421,2	426,73	-5,53
	9 ^h 00m	"	II	87° 0'	15,2	15,0	135,3		429,3	426,73	+2,57
	10 ^h 00m	"	III	201° 0'	15,3	15,0	142,2		429,7	426,77	+2,93
	11 ^h 00m	"	I	321° 0'	15,4	15,0	143,0		421,3	426,77	-5,53
	12 ^h 00m	"	II	87° 0'	15,3	15,0	135,0		429,3	426,73	+2,57
ápr 10	1 ^h 00m	"	III	201° 0'	15,4	15,0	142,5		429,6	426,73	+2,87
	2 ^h 00m	"	I	321° 0'	15,3	15,0	142,9		421,3	426,73	-5,43
	3 ^h 00m	"	II	87° 0'	15,1	15,0	135,0		429,3	426,73	+2,57
	4 ^h 00m	"	III	201° 0'	15,1	15,0	142,5		429,6	426,73	+2,87
	5 ^h 00m	"	I	321° 0'	15,3	15,0	143,0		421,3	426,70	-5,60
	6 ^h 00m	"	II	87° 0'	15,2	15,0			429,2	426,68	+2,52
	7 ^h 00m	"	III	201° 0'	15,2	15,1	142,7		429,5	426,68	+2,87
	8 ^h 00m	"	I	321° 0'	15,2	15,1	143,0		421,3	426,68	-5,38
	9 ^h 00m	"	II	87° 0'	15,2	15,1	135,5		429,2		
	10 ^h 00m		III	201° 0'							

) észleléskor a horizont helyeként az észköz, interpolálva.

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Hörmaserköz

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Hármas útköz.

10.) ápr. 10-11.

1911. iv.		Tidspunkt	Ute väder.		Temp.		1. no.			2. no.		
Ort	Ört		allmän	föktare.	R.	b.	n	no	n-no	n	no	n-no
apr. 10.	8h om	dermtk.	I.	321°0'	15,2	15,1	143,0				421,3	
	9h om	"	II.	81°0'	15,2	15,1	135,55				429,2	
	10h om	"	III.	201°0'	15,2	15,1	142,2				429,75	
	11h om	map rind	I.	321°0'	15,3	15,1	143,25				421,2	
	12h om	"	II.	81°0'	15,4	15,2	135,7				429,2	
	1h om	"	III.	201°0'	15,4	15,2	142,3				429,75	
	2h om	borangis	I.	321°0'	15,5	15,3	143,15				421,2	
	3h om	map rind	II.	81°0'	15,5	15,3	135,25				429,15	
	4h om	dermtk.	III.	201°0'	15,5	15,3	142,2				429,65	
	5h om	"	I.	321°0'	15,4	15,3	143,05				421,2	
	6h om	"	II.	81°0'	15,4	15,3	135,75				429,2	
	7h om	"	III.	201°0'	15,4	15,3	142,05				429,7	
	8h om	"	I.	321°0'	15,3	15,3	142,75				421,2	
	9h om	crill. ep.	II.	81°0'	15,3	15,3	135,3				429,2	
	10h om	"	III.	201°0'	15,3	15,3	142,3				429,7	
	11h om	"	I.	321°0'	15,3	15,3	143,0				421,2	
	12h om	"	II.	81°0'	15,3	15,3	135,1				429,2	
apr. 11	1h om	"	III.	201°0'	15,3	15,3	142,65				429,7	
	2h om	"	I.	321°0'	15,3	15,3	142,9				421,25	
	3h om	"	II.	81°0'	15,3	15,3	135,05				429,2	
	4h om	dermtk.	III.	201°0'	15,3	15,3	142,6				429,7	
	5h om	"	I.	321°0'	15,3	15,2	142,95				421,2	
	6h om	"	II.	81°0'	15,3	15,2	135,5				429,1	
	7h om	"	III.	201°0'	15,2	15,2	142,2				429,6	
	8h om	map rind	I.	321°0'	15,2	15,2	142,95				421,2	
	9h om	"	II.	81°0'	15,2	15,2	135,5				429,2	
	10h om	"	III.	201°0'	15,2	15,2	142,2				429,6	

3. no.

Hármas iskola.

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MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

Gármes isakón.

1913.

Az iradékos ideje.	Gm. Állás. Főkor.	Leolvasások			Temperatúra	
		1. m	2. m	3. m	R.	b.
<p>Az irada melléti szobában. Deszertáltatók 1913 február 11-én d.n. 4^h 30^m. Párh. <u>321°</u></p>						
Febr. 12	r. 8 h 0	161,6	421,2	800,2	14,2	14,2
		162,6	421,2	815,2		
		160,8	421,3	830,7		
		161,2	421,0	814,9		
April 18	r. 9 h 40	160,8	419,3	770,4		
	" 52	160,3	419,3	770,9		
	10 h 30	160,3	419,3	770,2		
	12 h 50	160,8	419,3	767,2		
April 30	12 h 45	160,4	418,5	776,2		
Sept. 25	12 h 30	162,8	427,9	769,3		
	5 h 35	163,0	427,9	768,6	20,1	20,1
Sept. 26	r. 7 h 30	164,2	427,8	760,2		
	" 43	164,1	427,8	760,3	+0,07	19,1
	8 h 25	163,4	427,8	763,2		
	11 h 30	160,8	424,2	766,8		20,2
	12 h 10	161,1	424,2	765,4		
	1 h 40	160,8	424,2	763,6		
	3 h 55	160,8	424,2	761,2	0,00	
	4 h 15	161,1	424,2	761,2	0,00	
	" 20	161,1	424,2	761,2	0,00	
	" 35	160,8	424,2	761,2	0,00	
	" 42	161,2	424,2	761,2	0,00	
	5 h 8	161,0	424,2	761,2	0,00	
	5 h 38	160,3	423,8	761,2	+0,10	
	6 h 13	160,5	423,8	760,9		19,4
	9 h 0	160,8	423,8	760,2		19,7
Sept. 27	7 h 45	160,9	423,8	760,0		19,2

MAGYAR TUDOMÁNYOS AKADÉMIA KÖNYVTÁRA

							k	b
Sept 27	7h 50	321 ^v	160,5	423,9	760,9			
	9h 30		160,9	423,8	760,9	-0,03	19°3	
	10h 0		161,0	423,7	761,0	+0,03	err. napredni	
	10h 50		161,0	423,8	761,0	-0,07	err	
	11h 30		161,0	423,8	761,2			
	1h 20	"	161,0	423,7	761,7		napredni	
	1h 50		161,0	423,8	761,6		19°6	
	4h 25		161,0	423,6	761,1			
	5h 0		160,8	423,7	760,6			
	6h 0		161,0	423,4	760,1			
	7h 0		160,8	423,6	759,7			
	7h 15		161,0	423,6	759,7		19°3	
	9h 0	"	160,7	423,6	759,2			
Sept 28	7h 45	"	160,8	423,5	763,1		19°2	bravo
	8h 30		161,0	423,5	763,9	+0,08		napredni
	9h 30		160,8	423,5	764,6	+0,05		
	11h 5		160,8	423,6	765,2		19°3	napredni
	11h 30		160,8	423,6	765,2		"	"
	1h 0	"	160,6	423,7	764,3		19°6	"
	3h 25		160,7	423,6	763,2			
	5h 30		160,9	423,6	762,8		19°3	
	7h 0	"	160,9	423,5	762,3		19°3	err
			160,7	423,4	762,8			
Sept 29	7h 20		160,8	423,6	761,8		19°2	19°2
	8h 0		161,2	423,5	761,6			
elov. adin	9h 0		160,2	423,6	762,0		19°2	19°2
4	10h 0		160,0	423,5	760,6		19°3	napredni
	11h 0		160,6	423,5	760,5			
	11h 50		160,2	423,5	760,2			
	1h 15		160,9	423,5	759,6		19°6	bravo

2 h 30			161,0	423,4	759,2	
3 h 55			161,0	423,4	759,0	19°4
<u>Aranyas, Lengyel József, 2. u. 4. h 30.</u>						
5 h 30 am	5 h 30	321°	161,0 ₅	423,4	766,6	19°30
	6 h 15		161,0	423,3	766,6	
	<u>6 h 55_u</u>		161,2	423,4	766,6	
	<u>8 h 37</u>		161,1	423,3	766,4	19°2
Sept. 30	7 h 20	321°	161,2	423,3	766,5	19°2
	8 h 0		161,2	423,4	766,3	
			Künni 2 fogatás			
	9 h 0	321°	161,6	423,3	770,3	
			Künni fogatás			
	10 h 0		161,2	423,3	764,2	
			Künni fogatás			
	11 h 0		161,2	423,2	765,2	
	12 h 5		161,0	423,2	765,4	19°2 nagy szél
			Künni 2 fogatás			
	1 h 5		160,9	423,2	766,3	
	2 h 0		161,2	423,2	766,4	19°25
			Künni fogatás			
	3 h 45		160,9	423,2	772,9	
	4 h 40		161,4	423,0	772,9	
	5 h 40		161,1	423,1	774,0	19°4
	<u>8 h 20</u>		160,7	423,2	770,3	
Okta 1	7 h 25		161,2	423,0	773,7	19°15
	8 h 0		161,8	423,0	773,3	hossz
	9 h 0		161,8	423,0	772,9	" "
	10 h 20		161,2	423,2	772,0	19°2 nagy szél
	1 h 40		161,3	423,1	769,0	19°2

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Érték idője	Orn	W _h	Tűrés	1 cm ²	2 cm ²	3 cm ²	Távols. h.	G.
Mh. 2	7h 25		321°	161,2	422,9	768,1	19,2	
	8h 0		"	161,6	423,0	768,1	19,2	1. kör
	11h 50			161,0	423,0	768,0	19,3	"
	1h 20			161,5	423,0	768,0	19,3	2. kör
	3h 40			161,2	423,0	768,1	19,3	"
	III kör	Diel. körökön eltolva			bal oldal $\frac{1}{2}$ vízre		111	
	5h 10			161,0	422,9	757,8		
	30					757,8		
	6h 40		321	161,2	423,0	763,3		
				161				
Mh. 3	7h 0			161,3	422,8	763,8	19,2	1. kör
	12h 10			161,0	422,8	763,8		
Mh. 5	6h 40			160,8	422,5	764,2	19,0	1. kör
Mh. 6	8h 25			161,4	422,2	764,2	19,2	1. kör
	9h 0			161,3	422,0	764,5		
	11h 20	egyéb körökön		161,4	422,2	757,0		
				161,3	422,3	750,1		
	12h 45			161,0	422,2	749,7		
				162,0	422,2	750,0		

Erdelés ideje	Óra	Állás	Földcs	Leolvasások			Temperaturák	
				1cső	2cső	3cső	R	b
					1410	0m, 711m	Birtok	
					2. a 1. irányban			
Ok. 7.	2h 15	321°	166,0	427,4	757,2			
	2h 15	14x Körül fogottam	166,0	427,4	765,2			
		Körül fogottam						
				3h 28 m 50s	721,2	x		
				31 m 40	730			
				32 m 40	735,0			
				33 m 40	740,0			
				34 m 40	745,0			
				35 40	749,5			
				36 40	753,3			
				37 40	756,7			
				38 40	759,3			
				39 40	761,5			
				40 40	763,1			
				41 40	764,4			
				42 40	765,3			
				43 40	766,0			
				44 40	766,3			
				45 40	766,5			
				46 40	766,7			
				47 40	766,7			
				49 40	766,5			
	4h 0		(165,8)	(426,9)	(765,6)			
	4h 30		165,8	427,0	765,7			
			Körül fogottam					
	5h 30	321°	166,2	426,8	766,1			
			Körül fogottam					
	6h 30m	321°	166,2	426,8	766,1	19,5	19,6	
			Körül fogottam					

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Esileles releje	Orn	Allas	Fokor	Leolvasasok			Temperaturak	
				1000	2000	3000	k.	b.
7 ^l	7 ³⁰		321°	166,2	426,8	766,05	19,5	19,6
			Kivülforgattam					
	8h 50			166,15	426,6	766,1		
M. 8	9h 0	I	321°	165,9	426,2	766,2	19,2	
	9h 5	II	81°	158,2	434,4	766,6		
	10h 0	III	201°	165,55	434,5	758,4	19,3	
	10h 0	II	321°	166,5	426,2	766,25		
	10h 0m	II	81°	158,45	434,4	766,6	19,5	19,5
	11h 0	III	201°	165,15	434,2	758,4	19,4	19,5 cinnon nyg 2m ²
	12h 0	I	321°	166,15	426,2	766,25		"
	1h 0	II	81°	158,3	434,2	766,7	19,8	19,6
	2h 0	III	201°	165,05	434,2	758,6		
	3h 0m	I	321°	166,2	426,0	766,3	19,8	19,7
	4h 0m	II	81°	158,2	434,2	766,8	19,7	19,7
	5h 0m	III	201°	165,05	434,2	758,8	19,7	19,7
		I	321°					

Himas ukor.

máj 23.

I	8h 0	149,7	420,95	755,4	16,8	16,7
II	9h 0	141,7	429,0	755,95	16,9	16,8
III	10h 0	149,05	429,1	747,95	17,0	16,9
I.	11h 0	149,25	421,0	755,5	17,0	16,9
II.	12h 0	141,9	428,95	755,95	17,0	16,9
III.	1h 0	149,1	429,15	747,9	17,0	16,9
I	2h 0	149,3	421,0	755,5	17,0	17,0
II	3h 0	141,9	428,9	755,9	17,1	17,0
III.	4h 0	149,1	429,1	747,9	17,1	17,0
I.	5h 0	149,25	421,0	755,5	17,1	17,0
	6h 0	141,9	428,9	756,0	17,1	17,0
III.	7h 0	149,1	429,1	747,95	17,1	17,0

máj 24

I	8h 0	149,85	420,95	755,4	17,1	16,9
"	9h 0	149,8	420,95	755,4		
	10h 0	149,8	420,95	755,4		
	11h 0	150,2	420,95	755,4		
	12h 15	150,0	420,9	755,25		

máj 25

I	9h 0m	149,2	420,9	755,6	17,3	17,2
"	10h 0m	149,2	420,9	755,5		
"	11h 0m	149,1 hímbeál	420,9	755,5	17,3	17,2
"	12h 0m	150,1 "	420,9	755,5		
"	1h 0m	149,8 "	420,9	755,5	17,5	17,2
	2h 0	149,7 -	420,9	755,5	17,5	17,2
	3h 0	149,7 -	420,8	755,5	17,5	17,3
	4h 0	149,7 hímbeál	420,85	755,55	17,5	17,3
	5h 0	149,6 -	420,85	755,55	17,5	17,3
	6h 0	149,85 hímbeál	420,8	755,6	17,5	17,4
	7h 0	150,2 "	420,8	755,6	17,5	17,4

$$\begin{aligned} \frac{\pi}{4} \quad 2 \quad \dots \quad \delta_2 &= \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b + A \\ \frac{3\pi}{4} \quad 4 \quad \dots \quad \delta_4 &= \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b - A \\ \frac{5\pi}{4} \quad 6 \quad \dots \quad \delta_6 &= -\frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b + A \\ \frac{7\pi}{4} \quad 8 \quad \dots \quad \delta_8 &= -\frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b - A \end{aligned}$$

I cas

$$\begin{aligned} n_2 &= N + k_2 + \lambda_2 - \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b - A \\ n_4 &= N + k_4 + \lambda_4 - \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b + A \\ n_6 &= N + k_6 + \lambda_6 + \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b - A \\ n_8 &= N + k_8 + \lambda_8 + \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b + A \\ n_{12} &= N + k_{12} + \lambda_{12} - \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b - A \end{aligned}$$

II cas

$$\begin{aligned} n'_2 &= N' - k_2 + \lambda'_2 + \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b - A \\ n'_4 &= N' - k_4 + \lambda'_4 + \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b + A \\ n'_6 &= N' - k_6 + \lambda'_6 - \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b - A \\ n'_8 &= N' - k_8 + \lambda'_8 - \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b + A \\ n'_{12} &= N' - k_{12} + \lambda'_{12} + \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b - A \end{aligned}$$

$$\begin{aligned} n_2 + n'_2 &= N + N' + \lambda_2 + \lambda'_2 - 2A \\ n_4 + n'_4 &= N + N' + \lambda_4 + \lambda'_4 + 2A \\ n_6 + n'_6 &= N + N' + \lambda_6 + \lambda'_6 - 2A \\ n_8 + n'_8 &= N + N' + \lambda_8 + \lambda'_8 + 2A \\ n_{12} + n'_{12} &= N + N' + \lambda_{12} + \lambda'_{12} - 2A \end{aligned}$$

$$k_2 \frac{(\lambda_2 + \lambda'_2) + (\lambda_6 + \lambda'_6)}{2} = \lambda_4 + \lambda'_4 \quad \text{etc.}$$

$$\left\{ \begin{aligned} n_4 + n'_4 - \frac{(n_2 + n'_2) + (n_6 + n'_6)}{2} &= +4A \\ n_6 + n'_6 - \frac{(n_4 + n'_4) + (n_8 + n'_8)}{2} &= -4A \\ n_8 + n'_8 - \frac{(n_6 + n'_6) + (n_{12} + n'_{12})}{2} &= +4A \end{aligned} \right.$$

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I cas

$$\left\{ \begin{aligned} (n_6 - n_4) - (n_4 - n_2) + 4A &= \cancel{\sqrt{2}a - \sqrt{2}b} + (k_6 - k_4) - (k_4 - k_2) \\ (n_8 - n_6) - (n_6 - n_4) - 4A &= \cancel{-\sqrt{2}a - \sqrt{2}b} + (k_8 - k_6) - (k_6 - k_4) \\ (n_{12} - n_8) - (n_8 - n_6) + 4A &= -\sqrt{2}a + \sqrt{2}b + (k_{12} - k_8) - (k_8 - k_6) \\ (n_{12} - n_8) - (n_{12} - n_8) - 4A &= +\sqrt{2}a + \sqrt{2}b + (k_{12} - k_8) - (k_{12} - k_8) \end{aligned} \right.$$

II cas

$$\left\{ \begin{aligned} (n'_6 - n'_4) - (n'_4 - n'_2) + 4A &= -\sqrt{2}a + \sqrt{2}b - (k_6 - k_4) + (k_4 - k_2) \\ (n'_8 - n'_6) - (n'_6 - n'_4) - 4A &= +\sqrt{2}a + \sqrt{2}b - (k_8 - k_6) + (k_6 - k_4) \\ (n'_{12} - n'_8) - (n'_8 - n'_6) + 4A &= +\sqrt{2}a - \sqrt{2}b - (k_{12} - k_8) + (k_8 - k_6) \\ (n'_{12} - n'_8) - (n'_{12} - n'_8) - 4A &= -\sqrt{2}a - \sqrt{2}b - (k_{12} - k_8) + (k_{12} - k_8) \end{aligned} \right.$$

$$d = a \sin \alpha + b \cos \alpha + A \sin 2\alpha + B \cos 2\alpha$$

$$0 \quad 1 \quad d = b + B$$

$$\frac{\pi}{2} \quad 3 \quad d = a - B$$

$$\pi \quad 5 \quad d = -b + B$$

$$\frac{3\pi}{2} \quad 7 \quad d = -a - B$$

I. cs.

$$n_1 = N + \kappa_1 + \lambda_1 - b - B$$

$$n_3 = N + \kappa_3 + \lambda_3 - a + B$$

$$n_5 = N + \kappa_5 + \lambda_5 + b - B$$

$$n_7 = N + \kappa_7 + \lambda_7 + a + B$$

$$n_{11} = N + \kappa_{11} + \lambda_{11} - b - B$$

II. cs.

$$n'_1 = N' - \kappa_1 + \lambda'_1 + b - B$$

$$n'_3 = N' - \kappa_3 + \lambda'_3 + a + B$$

$$n'_5 = N' - \kappa_5 + \lambda'_5 - b - B$$

$$n'_7 = N' - \kappa_7 + \lambda'_7 - a + B$$

$$n'_{11} = N' - \kappa_{11} + \lambda'_{11} + b - B$$

$$n_1 + n'_1 = N + N' + \lambda_1 + \lambda'_1 - 2B$$

$$n_3 + n'_3 = N + N' + \lambda_3 + \lambda'_3 + 2B$$

$$n_5 + n'_5 = N + N' + \lambda_5 + \lambda'_5 - 2B$$

$$n_7 + n'_7 = N + N' + \lambda_7 + \lambda'_7 + 2B$$

$$n_{11} + n'_{11} = N + N' + \lambda_{11} + \lambda'_{11} - 2B$$

$$\text{ha } \frac{(\lambda_1 + \lambda'_1) + (\lambda_5 + \lambda'_5)}{2} = \lambda_3 + \lambda'_3$$

$$\left\{ \begin{array}{l} n_3 + n'_3 - \frac{(n_5 + n'_5) + (n_1 + n'_1)}{2} = +4B \\ n_5 + n'_5 - \frac{(n_7 + n'_7) + (n_3 + n'_3)}{2} = -4B \\ n_7 + n'_7 - \frac{(n_{11} + n'_{11}) + (n_5 + n'_5)}{2} = +4B \end{array} \right.$$

I. cs.

$$\left\{ \begin{array}{l} (n_5 - n_3) - (n_3 - n_1) + 4B = 2a + (\kappa_5 - \kappa_3) - (\kappa_3 - \kappa_1) = 2a_{1,5} \\ (n_7 - n_5) - (n_5 - n_3) - 4B = -2b + (\kappa_7 - \kappa_5) - (\kappa_5 - \kappa_3) = -2b_{3,7} \\ (n_{11} - n_7) - (n_7 - n_5) + 4B = -2a + (\kappa_{11} - \kappa_7) - (\kappa_7 - \kappa_5) = -2a_{7,11} \\ (n_{11} - n_{11}) - (n_{11} - n_7) - 4B = +2b + (\kappa_{11} - \kappa_{11}) - (\kappa_{11} - \kappa_7) = +2b_{7,11} \end{array} \right.$$

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II. cs.

$$\left\{ \begin{array}{l} (n'_5 - n'_3) - (n'_3 - n'_1) + 4B = -2a - (\kappa_5 - \kappa_3) + (\kappa_3 - \kappa_1) = -2a_{1,5} \\ (n'_7 - n'_5) - (n'_5 - n'_3) - 4B = +2b - (\kappa_7 - \kappa_5) + (\kappa_5 - \kappa_3) = +2b_{3,7} \\ (n'_{11} - n'_7) - (n'_7 - n'_5) + 4B = +2a - (\kappa_{11} - \kappa_7) + (\kappa_7 - \kappa_5) = +2a_{7,11} \\ (n'_{11} - n'_{11}) - (n'_{11} - n'_7) - 4B = -2b - (\kappa_{11} - \kappa_{11}) + (\kappa_{11} - \kappa_7) = -2b_{7,11} \end{array} \right.$$

Dupla gravitációs csúszó Búllásúrl.

$$d = a \sin \alpha + b \cos \alpha + A \sin 2\alpha + B \cos 2\alpha$$

<i>I</i> csúszó	$\alpha = 0$	1	$d = b + B$
	$\alpha = 120$	2	$d = a \frac{\sqrt{3}}{2} - \frac{1}{2} b - A \frac{\sqrt{3}}{2} - \frac{1}{2} B$
	$\alpha = 240$	3	$d = -a \frac{\sqrt{3}}{2} - \frac{1}{2} b + A \frac{\sqrt{3}}{2} - \frac{1}{2} B$

<i>II</i> csúszó	$\alpha = 0$	1	$d = -b + B$
	$\alpha = 120$	2	$d = -a \frac{\sqrt{3}}{2} + \frac{1}{2} b - A \frac{\sqrt{3}}{2} - \frac{1}{2} B$
	$\alpha = 240$	3	$d = +a \frac{\sqrt{3}}{2} + \frac{1}{2} b + A \frac{\sqrt{3}}{2} - \frac{1}{2} B$

I csúszó

$$n_1 = N + \kappa_1 + \lambda_1 - b - B$$

$$n_2 = N + \kappa_2 + \lambda_2 - a \frac{\sqrt{3}}{2} + \frac{1}{2} b + A \frac{\sqrt{3}}{2} + \frac{1}{2} B$$

$$n_3 = N + \kappa_3 + \lambda_3 + a \frac{\sqrt{3}}{2} + \frac{1}{2} b - A \frac{\sqrt{3}}{2} + \frac{1}{2} B$$

$$n_{11} = N + \kappa_{11} + \lambda_{11} - b - B$$

II csúszó

$$n_1' = N' - \kappa_1 + \lambda_1' + b - B$$

$$n_2' = N' - \kappa_2 + \lambda_2' + a \frac{\sqrt{3}}{2} - \frac{1}{2} b + A \frac{\sqrt{3}}{2} + \frac{1}{2} B$$

$$n_3' = N' - \kappa_3 + \lambda_3' - a \frac{\sqrt{3}}{2} - \frac{1}{2} b - A \frac{\sqrt{3}}{2} + \frac{1}{2} B$$

$$n_{11}' = N' - \kappa_{11} + \lambda_{11}' + b - B$$

$$n_1 + n_1' = N + N' + \lambda_1 + \lambda_1' - 2B$$

$$n_2 + n_2' = N + N' + \lambda_2 + \lambda_2' + A\sqrt{3} + B$$

$$n_3 + n_3' = N + N' + \lambda_3 + \lambda_3' - A\sqrt{3} + B$$

$$n_{11} + n_{11}' = N + N' + \lambda_{11} + \lambda_{11}' - 2B$$

$$n_{12} + n_{12}' = N + N' + \lambda_{22} + \lambda_{22}' + A\sqrt{3} + B$$

szimmetria feltételének teljesülése miatt $(\lambda_2 + \lambda_2') - (\lambda_3 + \lambda_3') = (\lambda_2 + \lambda_2') + (\lambda_1 - \lambda_1')$

$$(n_2 + n_2') - (n_1 + n_1') = (\lambda_2 + \lambda_2') - (\lambda_1 + \lambda_1') + \sqrt{3}A + 3B$$

$$(n_3 + n_3') - (n_2 + n_2') = (\lambda_3 + \lambda_3') - (\lambda_2 + \lambda_2') - 2\sqrt{3}A$$

$$(n_{11} + n_{11}') - (n_3 + n_3') = (\lambda_{11} + \lambda_{11}') - (\lambda_3 + \lambda_3') + \sqrt{3}A - 3B$$

$$(n_{12} + n_{12}') - (n_{11} + n_{11}') = (\lambda_{22} + \lambda_{22}') - (\lambda_{11} + \lambda_{11}') + \sqrt{3}A + 3B$$

$$-2(n_2 + n_2') + (n_1 + n_1') + (n_3 + n_3') = -3\sqrt{3}A - 3B$$

$$-2(n_3 + n_3') + (n_2 + n_2') + (n_{11} + n_{11}') = +3\sqrt{3}A - 3B$$

$$-2(n_{11} + n_{11}') + (n_3 + n_3') + (n_{12} + n_{12}') = +6B$$

$$(n_1 + n_1') + (n_3 + n_3') - 2(n_2 + n_2') = -3\sqrt{3}A - 3B$$

$$(n_2 + n_2') + (n_{11} + n_{11}') - 2(n_3 + n_3') = +3\sqrt{3}A - 3B$$

$$(n_3 + n_3') + (n_{12} + n_{12}') - 2(n_{11} + n_{11}') = +6B$$

$$(n_{11} + n_{11}') + (n_{12} + n_{12}') - 2(n_{11} + n_{11}') = -3\sqrt{3}A - 3B$$

és így tovább.

$$(n_1 - n_1') + (n_3 - n_3') - 2(n_2 - n_2') = +3\sqrt{3}a - 3b$$

$$(n_2 - n_2') + (n_{11} + n_{11}') - 2(n_3 - n_3') = -3\sqrt{3}a - 3b$$

$$(n_3 - n_3') + (n_{12} - n_{12}') - 2(n_{11} - n_{11}') = +6b$$

$$(n_{11} - n_{11}') + (n_{12} - n_{12}') - 2(n_{11} - n_{11}') = +3\sqrt{3}a - 3b$$

etc.

egy másik képlet (Johann) 1904

$$(n_3 - n_3') + (n_2 - n_2') - 2(n_1 - n_1') = 6b$$

$$(n_3 + n_3') + (n_2 + n_2') - 2(n_1 + n_1') = 6B$$

$$(n_3 - n_3') - (n_2 - n_2') = 2\sqrt{3}a = 3,46a$$

$$(n_3' + n_3') - (n_2' + n_2') = -2\sqrt{3}A$$

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$$n_1 - n_1' = N - N' - 2b$$

$$n_3 - n_3' = N - N' - 2a$$

$$n_5 - n_5' = N - N' + 2b$$

$$n_7 - n_7' = N - N' + 2a$$

$$n_{11} - n_{11}' = N - N' - 2b$$

$$(n_5 - n_5') - (n_{11} - n_{11}') - (n_7 - n_7') + (n_3 - n_3') = 4(b - a)$$

$$(n_1 - n_1') + (n_7 - n_7') - (n_3 - n_3') - (n_5 - n_5') = 4(a - b) =$$

$$(n_3 - n_3') + (n_{11} - n_{11}') - (n_5 - n_5') - (n_7 - n_7') = -4(a + b) =$$

$$(n_5 - n_5') + (n_{22} - n_{22}') - (n_7 - n_7') - (n_{11} - n_{11}') = -4(a - b) \text{ etc.}$$

$$2K_1 + 2K_7 - 2$$

$$(n_1 - n_{11}') - (n_{11} - n_{11}') - 2(n_5 - n_5') + 2(n_7 - n_7') = 8a$$

$$n_1 + n_7 - (n_3 + n_5) = +2(a - b)$$

$$n_3 + n_{11} - (n_5 + n_7) = -2(a + b)$$

$$n_5 + n_{22} - (n_7 + n_{11}) = -2(a - b)$$

$$n_7 + n_{55} - (n_{11} + n_{33}) = +2(a + b)$$

etc.

$$n_2 + n_8 - (n_4 + n_6) = -2\sqrt{2}b$$

$$n_4 + n_{22} - (n_6 + n_8) = -2\sqrt{2}a$$

$$n_6 + n_{44} - (n_8 + n_{22}) = +2\sqrt{2}b$$

$$n_8 + n_{66} - (n_{22} + n_{44}) = +2\sqrt{2}a$$

$$N_1 = +2(a - b)$$

$$N_3 = -2(a + b)$$

$$N_5 = -2(a - b)$$

$$N_7 = +2(a + b)$$

$$N_2 = -2\sqrt{2}b$$

$$N_4 = -2\sqrt{2}a$$

$$N_6 = +2\sqrt{2}b$$

$$N_8 = +2\sqrt{2}a$$

$$n_1 - n_1' = N - N' + \lambda_1 - \lambda_1' - 2b$$

$$n_3 - n_3' = N - N' + \lambda_3 - \lambda_3' - 2a$$

$$n_5 - n_5' = N - N' + \lambda_5 - \lambda_5' + 2b$$

$$n_7 - n_7' = N - N' + \lambda_7 - \lambda_7' + 2a$$

$$n_{11} - n_{11}' = N - N' + \lambda_{11} - \lambda_{11}' - 2b \quad -2a$$

$$(n_1 - n_1') + (n_5 - n_5') - 2(n_3 - n_3') = +4a$$

$$(n_3 - n_3') + (n_7 - n_7') - 2(n_{11} - n_{11}') = -4b$$

$$(n_5 - n_5') + (n_{11} - n_{11}') - 2(n_7 - n_7') = +4a$$

$$(n_7 - n_7') + (n_{11} - n_{11}') - 2(n_5 - n_5') = +4b$$

~~$\sqrt{2}a - \sqrt{2}b$~~

$$(n_2 - n_2') + (n_6 - n_6') - 2(n_4 - n_4') = +2\sqrt{2}a - 2\sqrt{2}b$$

$$(n_4 - n_4') + (n_8 - n_8') - 2(n_6 - n_6') = -2\sqrt{2}a - 2\sqrt{2}b$$

$$(n_6 - n_6') + (n_{10} - n_{10}') - 2(n_8 - n_8') = -2\sqrt{2}a + 2\sqrt{2}b$$

$$(n_8 - n_8') + (n_{12} - n_{12}') - 2(n_{10} - n_{10}') = +2\sqrt{2}a + 2\sqrt{2}b$$

Kiszámítás egyiken a két csúállásairól:

$$n_3 + n_3' - \frac{(n_5 + n_5') + (n_1 + n_1')}{2} = +4B$$

$$n_5 + n_5' - \frac{(n_7 + n_7') + (n_3 + n_3')}{2} = -4B$$

$$n_7 + n_7' - \frac{(n_{11} + n_{11}') + (n_5 + n_5')}{2} = +4B$$

$$\{(n_5 - n_3) - (n_5' - n_3')\} - \{(n_3 - n_1) - (n_3' - n_1')\} = +4a$$

$$\{(n_7 - n_5) - (n_7' - n_5')\} - \{(n_5 - n_3) - (n_5' - n_3')\} = -4b$$

$$\{(n_{11} - n_7) - (n_{11}' - n_7')\} - \{(n_7 - n_5) - (n_7' - n_5')\} = -4a$$

$$\{(n_{11} - n_7) - (n_{11}' - n_7')\} - \{(n_{11} - n_7) - (n_{11}' - n_7')\} = +4b$$

$$\dots \dots \dots = +4a$$

$$n_4 + n_4' - \frac{(n_2 + n_2') + (n_6 + n_6')}{2} = +4a$$

$$n_6 + n_6' - \frac{(n_4 + n_4') + (n_8 + n_8')}{2} = -4a$$

$$n_8 + n_8' - \frac{(n_6 + n_6') + (n_{12} + n_{12}')}{2} = +4a$$

$$\{(n_8 - n_6) - (n_8' - n_6')\} - \{(n_4 - n_2) - (n_4' - n_2')\} = -4\sqrt{2}b$$

$$\{(n_{12} - n_8) - (n_{12}' - n_8')\} - \{(n_6 - n_4) - (n_6' - n_4')\} = -4\sqrt{2}a$$

$$\{(n_{12} - n_8) - (n_{12}' - n_8')\} - \{(n_8 - n_6) - (n_8' - n_6')\} = +4\sqrt{2}b$$

$$\dots \dots \dots = +4\sqrt{2}a$$

$$3\{(n_6 - n_4) - (n_6' - n_4')\} - \{(n_8 - n_2) - (n_8' - n_2')\} = +4\sqrt{2}a$$

$$3\{(n_8 - n_6) - (n_8' - n_6')\} - \{(n_{12} - n_4) - (n_{12}' - n_4')\} = -4\sqrt{2}b$$

$$3\{(n_{12} - n_8) - (n_{12}' - n_8')\} - \{(n_4 - n_2) - (n_4' - n_2')\} = -4\sqrt{2}a$$

$$\dots \dots \dots = +4\sqrt{2}b$$

Kiszámítás egyenként a két csúállásairól: { corrigált n
értékekből }

I. csúre:

$$\left. \begin{aligned} (n_3 - n_1) + (n_7 - n_5) &= 4B \\ (n_5 - n_1) &= 2b \\ (n_7 - n_3) &= 2a \end{aligned} \right\}$$

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$$\left. \begin{aligned} (n_4 - n_2) + (n_8 - n_6) &= 4a \\ (n_6 - n_2) + (n_8 - n_4) &= 2\sqrt{2}a \\ (n_6 - n_2) - (n_8 - n_4) &= 2\sqrt{2}b \end{aligned} \right\}$$

II. csúre:

$$\left. \begin{aligned} (n_5' - n_1') + (n_7' - n_3') &= 4B \\ (n_5' - n_1') &= -2b \\ (n_7' - n_3') &= -2a \end{aligned} \right\}$$

$$\left. \begin{aligned} (n_4' - n_2') + (n_8' - n_6') &= 4a \\ (n_6' - n_2') + (n_8' - n_4') &= -2\sqrt{2}a \\ (n_6' - n_2') - (n_8' - n_4') &= -2\sqrt{2}b \end{aligned} \right\}$$

Kiszámítás egyenlet a két nő állásaitól

$$\left. \begin{aligned} n_3 + n_3' &= \frac{(n_5 + n_5') + (n_1 + n_1')}{2} = +4\beta \\ n_5 + n_5' &= \frac{(n_7 + n_7') + (n_3 + n_3')}{2} = -4\beta \\ n_7 + n_7' &= \frac{(n_{11} + n_{11}') + (n_5 + n_5')}{2} = +4\beta \end{aligned} \right\}$$

$$\left. \begin{aligned} \{(n_5 - n_3) - (n_5' - n_3')\} - \{(n_5 - n_1) - (n_5' - n_1')\} &= +4a \\ \{(n_7 - n_5) - (n_7' - n_5')\} - \{(n_5 - n_3) - (n_5' - n_3')\} &= -4b \\ (n_{11} - n_7) - (n_{11}' - n_7') - \{(n_7 - n_5) - (n_7' - n_5')\} &= -4a \\ (n_{33} - n_{11}) - (n_{33}' - n_{11}') - \{(n_{11} - n_7) - (n_{11}' - n_7')\} &= +4b \\ &= +4a \end{aligned} \right\}$$

$$\left. \begin{aligned} n_4 + n_4' &= \frac{(n_2 + n_2') + (n_6 + n_6')}{2} = +4A \\ n_6 + n_6' &= \frac{(n_4 + n_4') + (n_8 + n_8')}{2} = -4A \\ n_8 + n_8' &= \frac{(n_6 + n_6') + (n_{22} + n_{22}')}{2} = +4A \end{aligned} \right\}$$

$$\left. \begin{aligned} \{(n_8 - n_6) - (n_8' - n_6')\} - \{(n_4 - n_2) - (n_4' - n_2')\} &= -4\sqrt{2}b \\ \{(n_{22} - n_8) - (n_{22}' - n_8')\} - \{(n_6 - n_4) - (n_6' - n_4')\} &= -4\sqrt{2}a \\ \{(n_{44} - n_{22}) - (n_{44}' - n_{22}')\} - \{(n_8 - n_6) - (n_8' - n_6')\} &= +4\sqrt{2}b \\ &+4\sqrt{2}a \end{aligned} \right\} \begin{aligned} 3\{(n_6 - n_4) - (n_6' - n_4')\} - \{(n_8 - n_2) - (n_8' - n_2')\} &= +4\sqrt{2}a \\ 3\{(n_8 - n_6) - (n_8' - n_6')\} - \{(n_{22} - n_4) - (n_{22}' - n_4')\} &= -4\sqrt{2}b \\ 3\{(n_{22} - n_8) - (n_{22}' - n_8')\} - \{(n_{44} - n_6) - (n_{44}' - n_6')\} &= -4\sqrt{2}a \\ &+4\sqrt{2}b \end{aligned}$$

Kiszámítás egyenlet a két nő állásaitól (korrigált n-ek)

I nőre

$$\begin{aligned} (n_3 - n_1) + (n_7 - n_5) &= 4\beta \\ n_5 - n_1 &= 2b \\ n_7 - n_3 &= 2a \end{aligned}$$

$$\begin{aligned} (n_4 - n_2) + (n_8 - n_6) &= 4A \\ (n_6 - n_2) + (n_8 - n_4) &= 2\sqrt{2}a \\ (n_6 - n_2) - (n_8 - n_4) &= 2\sqrt{2}b \end{aligned}$$

II nőre

$$\begin{aligned} (n_3' - n_1') + (n_7' - n_5') &= 4\beta \\ n_5' - n_1' &= -2b \\ n_7' - n_3' &= -2a \end{aligned}$$

$$\begin{aligned} (n_4' - n_2') + (n_8' - n_6') &= 4A \\ (n_6' - n_2') + (n_8' - n_4') &= -2\sqrt{2}a \\ (n_6' - n_2') - (n_8' - n_4') &= -2\sqrt{2}b \end{aligned}$$

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$$\begin{aligned} \downarrow & \{ (n_5 - n_3) - (n'_5 - n'_3) \} - \{ (n_3 - n_1) - (n'_3 - n'_1) \} = +4a + 2\{(k_5 - k_1) - (k_3 - k_1)\} = 4a_{1,5} \\ \downarrow & \{ (n_7 - n_5) - (n'_7 - n'_5) \} - \{ (n_5 - n_3) - (n'_5 - n'_3) \} = -4b + 2\{(k_7 - k_5) - (k_5 - k_3)\} = -4b_{3,7} \\ \downarrow & \{ (n_{11} - n_7) - (n'_{11} - n'_7) \} - \{ (n_7 - n_5) - (n'_7 - n'_5) \} = -4a + 2\{(k_{11} - k_7) - (k_7 - k_5)\} = -4a_{7,11} \\ \downarrow & \{ (n_{33} - n_{11}) - (n'_{33} - n'_{11}) \} - \{ (n_{11} - n_7) - (n'_{11} - n'_7) \} = +4b + 2\{(k_{33} - k_{11}) - (k_{11} - k_7)\} = +4b_{11,33} \\ \downarrow & \end{aligned}$$

~~498~~ Az illár és egyenlősegek változói és feltételeiként
 n és n' az egyenlőségek változóit illetően jelentés

I. csőre

$$\begin{aligned} n_1 &= N + k_1 - b - B \\ n_3 &= N + k_3 - a + B \\ n_5 &= N + k_5 + b - B \\ n_7 &= N + k_7 + a + B \end{aligned}$$

$$(n_3 - n_1) + (n_7 - n_5) = 4B + (k_3 - k_1) + (k_7 - k_5)$$

$$n_5 - n_1 = 2b + (k_5 - k_1)$$

$$n_7 - n_3 = 2a + (k_7 - k_3)$$

II. csőre

$$\begin{aligned} n'_1 &= N' - k_1 + b - B \\ n'_3 &= N' - k_3 + a + B \\ n'_5 &= N' - k_5 - b - B \\ n'_7 &= N' - k_7 - a + B \end{aligned}$$

$$(n'_3 - n'_1) + (n'_7 - n'_5) = 4B - (k_3 - k_1) - (k_7 - k_5)$$

$$n'_5 - n'_1 = -2b - (k_5 - k_1)$$

$$n'_7 - n'_3 = -2a - (k_7 - k_3)$$

$$\begin{aligned} \downarrow & \quad \downarrow & \quad \downarrow & \quad \downarrow & \quad \downarrow \\ \{(n_6 - n_4) - (n'_6 - n'_4)\} - \{(n_4 - n_2) - (n'_4 - n'_2)\} &= 2\sqrt{2}a - 2\sqrt{2}b + 2\{(k_6 - k_2) - (k_4 - k_2)\} = \cancel{2\sqrt{2}a} - \cancel{2\sqrt{2}b} \\ \{(n_8 - n_6) - (n'_8 - n'_6)\} - \{(n_6 - n_4) - (n'_6 - n'_4)\} &= -2\sqrt{2}a - 2\sqrt{2}b + 2\{(k_8 - k_6) - (k_6 - k_4)\} = \cancel{-2\sqrt{2}a} - \cancel{-2\sqrt{2}b} \\ \{(n_{22} - n_8) - (n'_{22} - n'_8)\} - \{(n_8 - n_6) - (n'_8 - n'_6)\} &= -2\sqrt{2}a + 2\sqrt{2}b + 2\{(k_{22} - k_8) - (k_8 - k_6)\} \\ \{(n_{44} - n_{22}) - (n'_{44} - n'_{22})\} - \{(n_{22} - n_8) - (n'_{22} - n'_8)\} &= +2\sqrt{2}a + 2\sqrt{2}b + 2\{(k_{44} - k_{22}) - (k_{22} - k_8)\} \end{aligned}$$

~~($n_6 - n_4$)~~

$$\begin{aligned} \{(n_8 - n_6) - (n'_8 - n'_6)\} - \{(n_4 - n_2) - (n'_4 - n'_2)\} &= -4\sqrt{2}b + 2\{(k_8 - k_6) - (k_4 - k_2)\} = -4\sqrt{2}b_{2,8} \\ 3\{(n_6 - n_4) - (n'_6 - n'_4)\} - \{(n_8 - n_6) - (n'_8 - n'_6)\} &= +4\sqrt{2}a + 2\{3(k_6 - k_4) - (k_8 - k_6)\} = +4\sqrt{2}a_{2,8} \\ \{(n_{22} - n_8) - (n'_{22} - n'_8)\} - \{(n_6 - n_4) - (n'_6 - n'_4)\} &= -4\sqrt{2}a + 2\{(k_{22} - k_8) - (k_6 - k_4)\} = -4\sqrt{2}a_{4,22} \\ 3\{(n_8 - n_6) - (n'_8 - n'_6)\} - \{(n_{22} - n_8) - (n'_{22} - n'_8)\} &= -4\sqrt{2}b + 2\{3(k_8 - k_6) - (k_{22} - k_8)\} = -4\sqrt{2}b_{4,22} \\ \{(n_{44} - n_{22}) - (n'_{44} - n'_{22})\} - \{(n_8 - n_6) - (n'_8 - n'_6)\} &= +4\sqrt{2}b + 2\{(k_{44} - k_{22}) - (k_8 - k_6)\} = +4\sqrt{2}b_{6,44} \\ 3\{(n_{22} - n_8) - (n'_{22} - n'_8)\} - \{(n_{44} - n_{22}) - (n'_{44} - n'_{22})\} &= -4\sqrt{2}a + 2\{3(k_{22} - k_8) - (k_{44} - k_{22})\} = -4\sqrt{2}a_{6,44} \end{aligned}$$

Öst alltså de symmetriska villkoren för alla tillhörande
 n är n' av de följande två konjugata systemen

I system

$$\begin{aligned} n_2 &= N + k_2 - \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b - A \\ n_4 &= N + k_4 - \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b + A \\ n_6 &= N + k_6 + \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b - A \\ n_8 &= N + k_8 + \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b + A \end{aligned}$$

II system

$$\begin{aligned} n'_2 &= N' - k_2 + \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b - A \\ n'_4 &= N' - k_4 + \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b + A \\ n'_6 &= N' - k_6 - \frac{1}{\sqrt{2}}a - \frac{1}{\sqrt{2}}b - A \\ n'_8 &= N' - k_8 - \frac{1}{\sqrt{2}}a + \frac{1}{\sqrt{2}}b + A \end{aligned}$$

$$\begin{aligned} (n_4 - n_2) + (n_8 - n_6) &= 4A + (k_4 - k_2) + (k_8 - k_6) & (n'_4 - n'_2) + (n'_8 - n'_6) &= 4A - (k_4 - k_2) - (k_8 - k_6) \\ (n_6 - n_2) + (n_8 - n_4) &= 2\sqrt{2}a + (k_6 - k_2) + (k_8 - k_4) & (n'_6 - n'_2) + (n'_8 - n'_4) &= -2\sqrt{2}a - (k_6 - k_2) - (k_8 - k_4) \\ (n_6 - n_2) - (n_8 - n_4) &= 2\sqrt{2}b + (k_6 - k_2) - (k_8 - k_4) & (n'_6 - n'_2) - (n'_8 - n'_4) &= -2\sqrt{2}b - (k_6 - k_2) + (k_8 - k_4) \end{aligned}$$

Reg. Gravitation esély felállítás

1903. November 27-iken Deszettelon D. u. 2 h 55 k.

Meridiánban áll 297° - I állás

Nov. 27

	I állás	II állás
D. u. 6 h. 20 m	213,8	199,1
10 h 22 m	213,9	200,2

$$f \begin{cases} K & 16,19 \\ f & 16,8 \\ I & 16,7 \\ II & 16,7 \end{cases}$$

$$f \begin{cases} K & 16,3 \\ f & 16,2 \\ I & 16,1 \\ II & 16,1 \end{cases}$$

11 h 20 m 213,9

200,2

$$\begin{cases} K = 16,3 \\ f = 16,3 \\ I = 16,3 \\ II = 16,2 \end{cases} \quad 6.$$

Zás állás
Lötis

Nov. 28 r. 7 h. 50 m 213,9

201,0

$$\begin{cases} K & 16,0 \\ f & 16,0 \\ I & 15,8 \\ II & 15,9 \end{cases}$$

" D. u. 10 h 50 213,9

202,25

$$\begin{cases} K & 16,1 \\ f & 16,0 \\ I & 15,9 \\ II & 15,9 \end{cases}$$

Működés

D. u. 1 h 30 m 213,9

201,4

$$\begin{cases} K & 16,0 \\ f & 16,0 \\ I & 15,8 \\ II & 15,8 \end{cases}$$

D. u. 5 h 40 m 213,9

201,45

$$\begin{cases} K & 16,0 \\ f & 16,0 \\ I & 16,0 \\ II & 15,9 \end{cases}$$

Működés

9 h 8 m 50 s 213,95

201,7

$$\begin{cases} K & 15,9 \\ f & 16,0 \\ I & 15,8 \\ II & 15,8 \end{cases}$$

1 h on 214,0

201,9

$$\begin{cases} K = 16,0 \\ f = 16,0 \\ I = 15,9 \\ II = 15,9 \end{cases}$$

November 29 r. 8h. 5m I cm II cm K 15,8
 L 15,8
 I 15,7
 II 15,6

u. 2h 1h. 0h 214,15 202,2 { K 15,7
 L 15,8
 I 15,7
 II 15,7

2h. 4h 20m 214,2 202,35 { K= 15,8
 L= 15,7
 I= 15,6
 II 15,6

at 8h 20m 214,2 202,4 { K 15,8
 L 15,7
 I 15,6
 II 15,6

Nov. 30 r. 8h. 10m 214,4 202,7 { K 15,8
 L 15,7
 I 15,6
 II 15,6

2h 2h. 0m 214,6 202,9 { K 15,9
 L 15,9
 I 15,8
 II 15,8

2. 2. 9h. ... 214,65 202,85 15,9 | 15,8 | 15,7 | 15,7

at 9h 20 214,65 203,0 15,9 15,8 15,7 15,7

Dec. 1 r. 7h 50m 214,80 203,1 16,0 15,9 15,8 15,8

10h 0m 214,85 203,2

11h 0. 214,75 203,4 clouds

11h 40 --- 214,80 203,3

2h. 0 214,95 203,2 { 160k cm cm

4h. 6m --- 214,80 203,3 { 15,9 I
 15,7 I
 15,9 II

4h 6m beginning of clouds

			K	L	I	II
5h. 0m	214,8,0	202,0	14,0	14,8	14,1	14,0

6h 12m	213,8	202,7	13,1	14,0	13,1	13,0
--------	-------	-------	------	------	------	------

7h 45m	214,2	203,4	13,7	13,6	13,0	13,0
--------	-------	-------	------	------	------	------

12h 30m	214,1	203,3	12,5	13,0	12,3	12,2
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at 12h 30m

Dec. 2 r. 7h 45m 214,95 203,8 15,3 15,2 15,1 15,1

9h 10 clouds 214,80 204,0 15,3 15,2 15,2 15,2

9h 55 m 214,95 203,85

	I	II	K	f.	I	II
11h 2m elöändan	214,85	204,0				
11h 70m	214,9,5	203,85	15,6	15,5	15,5	15,4

ä/ryggen V ~~Ballen~~ Föklar 117°

1h 40m	189,4	228,95	15,9	15,8	15,7	15,7
2h 25m	189,25	228,95				
3h 50m	189,25	229,0				
5h 0m	189,35	229,0	15,8	15,8	15,7	15,7

Ablakat Kingi torn.

6h 5m	190,8	225,5	11,8	13,2	11,9	12,0
7h 0m	190,2	226,8	11,0	12,2	11,0	11,2
7h 30m	189,9	227,2	11,2	12,0	10,8	10,8
8h 30m	189,4	227,9	10,7	11,4	10,4	10,4
12h 15m	189,0	228,6	9,8	10,2	9,7	9,7

22 ablatat beräkning.

Dec. 2 regn 6h 25	188,75	229,7	13,9	13,8	13,7	13,8
7h 25	188,85	229,7	14,1	14,0	14,0	13,9
8h 55	188,85	229,75	över torn			
9h 9m	189,05	229,5	tele torn			
9h 55	188,9	229,6	över torn			
10h 0m	189,0	229,45	tele torn			
11h 26m	188,95	229,60	över torn			

Regn och vind vid den re och torn

1h 22	189,35	229,8	15,0	14,8	14,6	14,7
3h 45	189,35	229,65	14,8	14,8	14,6	14,8
5h 0m	189,40	229,7	14,9	14,5	14,7	14,7

ablatat Kingi 5 torn.

6h 0m	190,8	226,4	11,0	12,2	11,3	11,2
7h 15m	190,0	228,0	10,0	11,2	10,2	10,1
8h 0m	189,6	228,85	10,6	11,0	10,0	10,0

Dec. 4 3h 50m	189,0	230,0	9,4	9,9	9,7	9,7
7h 55	188,95	230,6	13,2	13,0	12,6	12,6
9h 10 tele torn	189,25	230,25	12,4	12,1	12,9	12,9
12 45m	189,25	230,15	14,0	13,8	13,6	13,6
4h 0m	189,25	230,1	14,2	14,1	13,8	13,8
esk 9h 0m	189,5	230,1	14,2	14,1	14,0	14,1

Aug 5 r. 1h 35m 189,7 230,1 14,5 14,4 14,3 14,3

Aug 5 r. 7h. 50m 189,75 230,1 14,6 14,7 14,6 14,6

elvinen a regedengulur 7h. 50m.

9h. 25m 189,4 230,0 14,7 14,7 14,6 14,6

Észlelési idő 1910		Állás		Leolvasások		Temperatura		IV - II	
Nap	Óra	Állás	Főkör	1.	2.	kurák 1 2	1 _y	2 _y	Quotient
Iszámú műszer az udvaron									
Bevizszintérték: Meridián 302° 40'									
Észarrelékül: 1910. VI. 13. 12.0 m.									
VI. 14.	9h0m	IV	302°40'	169.9	445.9	187 187			
	10h0m	II	122°40'	171.1	444.9	19.5 19.5	-1.2	+1.0	-1.2
	11h0m	IV	302°40'	170.5	445.8	20.0 20.0	-0.6	+0.9	-0.7
	12h0m	II	122°40'	171.7	444.5	20.4 20.4	-1.2	+1.3	-0.9
	1h0m	IV	302°40'	169.3	446.1	21.5 21.4	-2.4	+1.6	-1.5
	2h0m	II	122°40'	168.9	445.5	22.9 22.8	+0.4	+0.6	+0.7
	3h0m	IV	302°40'	169.3	446.2	23.5 23.5	+0.4	+0.7	+0.6
	4h0m	II	122°40'	172.4	444.9	23.7 23.7	-3.1	-1.9	+1.6
	5h0m	IV	302°40'	171.9	445.2	23.6 23.6	-0.5	+0.9	-0.6
	6h0m	II	122°40'	173.1	444.0	23.8 23.7	-1.2	-1.2	+1.0
	7h0m	IV	302°40'	172.3	445.2	23.4 23.3	-0.8	+1.2	-0.7
VI. 15	9h0m	II	122°40'	171.2	444.7	19.7 19.7	+1.1	+0.5	+2.2
	10h0m	IV	302°40'	167.6	446.5	20.9 20.8	-3.6	+1.8	-2.0
	11h0m	II	122°40'	169.4	445.0	22.0 22.0	-1.8	+1.5	-1.2
	12h0m	IV	302°40'	170.5	445.5	22.3 22.4	+1.1	+0.5	+2.2
	1h0m	II	122°40'	172.0	444.35	22.6 22.4	-1.5	+1.5	-1.3
	2h0m	IV	302°40'	172.5	445.0	22.0 22.0	+0.5	+0.65	+ Nagyon 0.8
	3h0m	II	122°40'	171.3	443.25	21.4 21.4	-1.8	+1.75	-1.0
	4h0m	IV	302°40'	173.2	445.1	20.6 20.7	-1.9	+1.8	-0.6
	5h0m	II	122°40'	173.4	443.8	20.4 20.5	-0.2	-1.3	+0.2
	6h0m	IV	302°40'	172.5	445.15	20.2 20.4	-0.9	+1.4	-0.6
	7h0m	II	122°40'	172.95	443.9	20.0 20.0	-0.5	+1.3	-0.4
VI. 16	9h0m	IV	302°40'	169.95	446.05	19.1 19.1	-3.0	+2.1	-1.4
	10h0m	II	122°40'	168.5	445.1	20.4 20.4	+1.5	+1.0	+1.5

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

Észlelési idő 1910		Állás	Leolvasások	Temperatúra		Különbségek IV-II				
Nap	Óra	Állás I	Főmérték 1 168.5	2 445.1	$\frac{E}{A}$	$\frac{D}{D}$	1	2	Quotiens	
Jún. 16.	1h. 0m.	II	302°40'	165.95	447.05	22.7	22.7	-2.55	+2.0	-1.3
	12h. 0m.	II	122°40'	170.9	444.5			+4.95	+2.55	+2.0
	1h. 0m.	IV	302°40'	172.5	443.7	22.8	23.0	+1.6	-0.8	-2.0
	2h. 0m.	II	122°40'	175.1	442.9	21.7	21.8	-2.6	+0.8	-3.0
	3h. 0m.	IV	302°40'	172.1	445.7	21.3	21.4	-3.8	+2.8	-1.0
	4h. 0m.	II	122°40'	171.6	444.4	21.8	21.7	+0.5	+1.3	+0.4
	5h. 0m.	IV	302°40'	170.4	445.9	22.0	22.0	-1.2	+1.5	-0.8
	6h. 0m.	II	122°40'	172.1	444.05	22.1	22.0	-1.7	+1.9	-0.9
Jún. 17.	7h. 0m.	IV	302°40'	172.0	445.2	22.0	21.9	-0.1	+1.2	-0.8
	9h. 0m.	II	122°40'	170.05	444.5	19.2	19.1	+2.0	+0.7	+3.0
	10h. 0m.	IV	302°40'	166.3	446.8	21.0	20.9	-3.7	+2.3	-1.6
	11h. 0m.	II	122°40'	165.3	446.0	22.7	22.6	+1.0	+0.8	+1.25
	12h. 0m.	IV	302°40'	165.15	447.0	25.0	25.0	-0.2	+1.0	-0.2
	1h. 0m.	II	122°40'	167.0	446.0	26.3	26.4	-1.9	+1.0	-1.9
	2h. 0m.	IV	302°40'	167.8	446.5	27.5	27.8	+0.8	+0.5	+1.6
	3h. 0m.	II	122°40'	170.05	445.1	28.3	28.4	-2.2	+1.4	-1.6
	4h. 0m.	IV	302°40'	172.5	444.7	24.8	28.1	+2.5	-0.4	-0.2
	5h. 0m.	II	122°40'	175.6	443.15	20.9	21.2	-3.1	+1.6	-1.9
	6h. 0m.	IV	302°40'	174.3	444.8	24.7	24.6	-1.3	+1.6	-0.8
	7h. 0m.	II	122°40'	174.0	443.7	23.8	23.7	+0.3	+1.7	+0.3
Június 18.	9h. 0m.	IV	302°40'	170.65	445.8	20.0	19.9	-3.4	+2.1	-1.6
	10h. 0m.	II	122°40'	170.85	444.3	20.5	20.4	-0.2	+1.5	-0.13
	11h. 0m.	IV	302°40'	170.2	445.7	20.6	20.8	-0.7	+1.4	-0.5
	12h. 0m.	II	122°40'	170.4	444.4	21.5	21.4	-0.2	+1.3	-0.15
	1h. 0m.	IV	302°40'	165.7	447.0	23.4	23.3	-4.7	+2.6	-1.8
	2h. 0m.	II	122°40'	169.25	445.05	24.7	24.6	-3.6	+2.0	-1.8
	3h. 0m.	IV	302°40'	168.8	446.3	25.5	25.3	-0.5	+1.3	-0.4
	4h. 0m.	II	122°40'	171.0	444.5	25.5	25.6	-2.2	+1.8	-1.2
	5h. 0m.	IV	302°40'	173.2	444.7	19.6	19.7	+2.2	+0.2	+1.1
	6h. 0m.	II	122°40'	174.3	443.5	18.6	18.7	-1.1	+1.2	-0.9

Eszlelési idő 1910		Állás		Leolvasások		Temperatura (mm)		Különbség (IV-II)		Quotiens
Nap	Óra	Állás	Fokozat	1.	2.	1.	2.	1.	2.	
Az I. és II. mérés közötti csúcs a II. állásban észlelt felül kijelölve.										
Január 20.	9h. 0m.	IV	302°40'	171.4	445.8	16.1	16.0			
	10h. 0m.	II	122°40'	171.1	444.9	16.6	16.6	+0.3	+0.5	+0.6
	11h. 0m.	IV	302°40'	169.0	446.8	17.9	18.0	-2.1	+1.9	-1.0
	12h. 0m.	II	122°40'	170.0	444.85	19.0	19.0	-1.0	+1.95	-0.5
	1h. 0m.	IV	302°40'	169.5	446.4	19.6	19.7	-0.5	+1.5	-0.3
	2h. 0m.	II	122°40'	170.0	445.0	20.3	20.5	-0.5	+1.4	-0.5
	3h. 0m.	IV	302°40'	170.2	445.75	20.6	20.7	+0.2	+0.75	+0.3
	4h. 0m.	II	122°40'	172.3	443.5	20.0	20.0	-2.1	+2.3	-0.9
	5h. 0m.	IV	302°40'	172.1	444.7	19.1	19.0	-0.2	+1.2	-0.2
	6h. 0m.	II	122°40'	172.7	443.45	18.2	18.2	-0.6	+1.2	-0.5
	7h. 0m.	IV	302°40'	172.3	444.7	17.7	17.6	-0.4	+1.2	-0.3
Január 21.	9h. 0m.	II	122°40'	171.1	444.1	13.3	13.3	+1.2	+0.6	+2.0
	10h. 0m.	IV	302°40'	169.9	446.1	14.0	14.0	-1.2	+2.0	-0.6
	11h. 0m.	II	122°40'	169.3	445.0	15.3	15.4	+0.6	+1.1	+0.5
	12h. 0m.	IV	302°40'	168.9	446.7	16.3	16.5	-0.4	+1.7	-0.2
	1h. 0m.	II	122°40'	168.3	445.3	18.5	18.5	+0.6	+1.4	+0.4
	2h. 0m.	IV	302°40'	167.6	446.9	20.2	20.2	-0.7	+1.6	-0.4
	3h. 0m.	II	122°40'	170.8	444.2	20.7	20.7	-3.2	+2.7	-1.2
	4h. 0m.	IV	302°40'	170.4	445.3	20.5	20.6	-0.4	+1.1	-0.4
	5h. 0m.	II	122°40'	171.1	444.0	20.4	20.5	-0.7	+1.3	-0.5
	6h. 0m.	IV	302°40'	171.5	444.7	19.8	20.0	+0.4	+0.7	+0.6
	7h. 0m.	II	122°40'	172.5	443.3	19.3	19.4	-1.0	+1.4	-0.7
Január 22.	8h. 0m.	IV	302°40'	171.0	445.6	14.0	14.0	-1.5	+2.3	-0.6
	9h. 0m.	II	122°40'	171.0	444.1	14.7	14.8	0.0	+1.5	0
	10h. 0m.	IV	302°40'	168.3	447.0	16.1	16.1	-2.7	+2.9	-
	11h. 0m.	II	122°40'	167.3	321.7	18.4	18.5	+1.0	-	Tápad
Utolérvizsgálathoz										
	12h. 30m.	IV	322°40'	167.7	446.5	21.6	21.6			
	1h. 30m.	II	122°40'	170.0	445.1	22.4	22.5	-2.3	+1.4	-1.6
	2h. 30m.	IV	302°40'	168.3	446.2	23.5	23.7	-1.7	+1.1	-1.5

Észlelési idő 1910		Állás Letlwanian			Temperatura lévák		Külömbözet IV-II			
Nap	óra	Állás	Fokos	1	2	1	2	Quotients		
VI. 22	3h 30m	II	122°40' 170.5	444.6	23.8	24.0	-2.2	+1.6	-1.4	
	4h 30m	IV	302°40' 170.8	445.1	24.0	23.9	+0.3	+0.5	+0.6	
	5h 30m	II	122°40' 172.6	443.4	23.1	23.1	-1.8	+1.7	-1.1	
	6h 30m	IV	302°40' 171.9	444.6	22.5	22.5	-0.7	+1.2	-1.6	
Június 23.	9h 0m	II	122°40' 171.0	444.8	18.0	18.0	+0.9	-0.2	-4.5	
	10h 0m	IV	302°40' 168.5	446.7	19.3	19.3	-2.5	+1.9	-1.3	
	11h 0m	II	122°40' 169.1	445.4	21.0	21.0	-0.6	+1.3	-0.5	
	12h 0m	IV	302°40' 170.4	445.3	21.2	21.3	+1.3	-0.1	-13.0	
	1h 0m	II	122°40' 172.0	444.0	21.3	21.3	-1.6	+1.3	-1.2	
	2h 0m	IV	302°40' 169.5	446.1	22.0	22.0	-2.5	+2.1	-1.2	
	3h 0m	II	122°40' 172.0	444.0	22.2	22.3	-2.5	+2.1	-1.2	
	4h 0m	IV	302°40' 171.8	444.7	22.0	22.0	-0.2	+0.7	-0.3	
	5h 0m	II	122°40' 172.9	443.5	21.5	21.6	-1.1	+1.2	-0.9	
	6h 0m	IV	302°40' 172.0	444.7	20.9	21.0	-0.9	+1.2	-0.7	
	7h 0m	II	122°40' 173.3	443.15	20.5	20.6	-1.3	+1.55	-0.8	
VI. 24.	9h 0m	IV	302°40' 170.5	445.6	16.3	17.0	-2.8	+2.45	-1.1	
	10h 0m	II	122°40' 169.5	446.0	18.3	18.3	+1.0	-0.4	-2.5	
	11h 0m	IV	302°40' 166.8	447.2	20.5	20.5	-2.7	+1.2	-1.2	
	12h 0m	II	122°40' 168.1	446.0	22.7	22.9	-1.3	+1.2	-1.1	
	1h 0m	IV	302°40' 167.0	447.2	24.0	24.2	-1.4	+1.2	-0.9	
	2h 0m	II	122°40' 168.7	445.8	25.5	25.4	-1.7	+1.4	-1.2	
	3h 0m	IV	302°40' 171.0	445.0	25.0	24.9	+2.3	-0.8	-3.0	
	4h 0m	II	122°40' 172.2	443.4	24.5	24.5	-1.2	+1.6	-0.8	
	5h 0m	IV	302°40' 171.7	444.7	24.0	23.9	-0.5	+1.3	-0.4	
	6h 0m	II	122°40' 173.0	443.3	22.7	22.8	-1.3	+1.4	-0.9	
	7h 0m	IV	302°40' 172.1	444.3	21.7	22.0	-0.9	+1.0	-0.9	
	VI. 25	9h 0m	II	122°40' 171.3	444.7	17.0	17.0	+0.8	-0.4	20
		10h 0m	IV	302°40' 170.1	445.8	17.9	17.9	-1.2	+1.1	-1.1
11h 0m		II	122°40' 171.1	444.7	18.1	18.1	-1.0	+1.1	-0.9	
12h 0m		IV	302°40' 168.05	447.1	19.6	19.7	+2.1	-0.3		
1h 0m		II	122°40' 168.0	446.1	21.8	22.0	-2.1	+1.3		
2h 0m		IV	302°40' 169.0	446.0	22.7	22.8	-2.4	-2.2		
3h 0m		II	122°40' 170.5	444.9	23.9	23.9				

T. m. gravitatis viskös

Laboratorium.

Levegőviskös

Temperaturviskös

Kap

óra

Állás

1. m

2. m

K.

b.

1.

2.

A nagy magnésium-szobákon. (sátorban)
Mérésidő: 1912 december-29. in d. e. 11^h 30^m.
Meridián: 12^h 20'

Állásról a homi szoba nyugati ablakánál álló
sátorba is ott deszartákon 1913. június 17. in.

Idő 1913	Allás	Leolvasások		Temperaturák			I sz. gravitációs érték
		1.oo	2.oo	d	1.	2.	
Sept 25							
6h. 15m	346°40'	134,4	457,3	17,4	18,0	17,8	
26m + 45d 7h. 45m	346°40'	134,4	457,4	17,2	17,5	17,4	
9h. 35m	106°40'	153,1	428,8	17,4	17,5	17,4	
10h. 25m	226°40'	134,0	438,9	17,4	17,6	17,5	
11h. 35m	346°40'	134,7	457,4	17,4	17,6	17,5	
12h. 35	106°40'	153,4	428,8	17,4	17,6	17,5	
3h. 55m	226°40'	134,0	439,0	16,9	17,5	17,3	
4h. 55	346°40'	134,8	457,4	16,9	17,5	17,3	
5h. 55	106°40'	153,4	428,8	16,9	17,4	17,3	
7h. 10	226°40'	134,0	439,0	16,9	17,4	17,3	
sept 27. 7h. 50	346°40'	134,5	457,6	16,9	17,1	17,0	
8h. 50	106°40'	153,3	428,7	16,9	17,1	17,0	
9h. 50	226°40'	134,0	438,9	16,9	17,2	17,0	
10h. 50	346°40'	134,6	457,6	16,9	17,2	17,0	
11h. 50	106°40'	153,4	428,6	16,9	17,2	17,0	
12h. 50	226°40'	134,1	438,9	16,9	17,2	17,1	
4h. 20	"	134,0	438,7	16,9	17,1	16,9	
5h. 30	346°40'	134,4	457,7	16,9	17,1	16,9	
28 9h. 40	"	134,4	457,4	16,5	16,9	16,7	
sept 29 7h. 50	"	134,5	457,7	16,5	16,8	16,7	
9h. 0	106°40'	153,4	428,4	16,5	16,8	16,7	
12h. 0	226°40'	133,9	438,9	16,4	16,8	16,7	
4h. 35	346°40'	134,6	457,5	16,4	16,9	16,7	
6h. 50	106°40'	153,4	428,5	16,4	16,9	16,7	
Sept 30							
7h. 50	106°40'	153,4	428,6	16,4	16,9	16,8	
8h. 50	226°40'	133,9	438,9	16,9	16,9	16,8	
10h. 30	346°40'	134,4	457,4	16,4	16,9	16,8	
11h. 20	106°40'	153,6	428,7	16,5	16,8	16,7	
3h. 5	226°40'	134,0	438,8	16,6	16,8	16,7	
sept 8h. 35	346°40'	134,3	457,4	16,2	16,8	16,8	

Eszlelési idő	óra	Állás	Levegősebesség		Hőmérséklet		
			1,00	2,00	4	1	2
okt. 1	10h.30	106°40	153,4	428,6	16,4	16,8	16,7
	11h.40	226°40	133,9	438,9	16,4	16,8	16,7
	4h.15	346°40	134,4	457,4	16,4	16,8	16,7
	6h.0	106°40	153,4	428,7	16,4	16,7	16,6
	7h.0	226°40	133,9	438,9	16,4	16,7	16,6
okt. 2	8h.0	"	133,9	438,9	16,4	16,8	16,7
	9h.0	346°40	134,3	457,4	16,4	16,8	16,7
	11h.0	106°40	153,5	428,6	16,4	16,8	16,7
	12h.30	226°40	134,0	438,9	16,4	16,8	16,7
	4h.0	346°40	134,6	457,6			
	5h.30	106°40	152,3	428,5			
	6h.20	226°40	133,9	438,9	16,4	17,1	16,9
okt. 3	9h.0	"	133,9	438,9	16,4	16,8	16,7
	10h.15	346°40	134,6	457,6	16,4	16,8	16,7
	11h.15	106°40	153,4	428,6	16,4	16,8	16,7
	12h.15	226°40	134,0	438,9			
	4h.20	346°40	134,6	457,6	16,4	16,8	16,7
	5h.20	106°40	153,4	428,5			
	6h.30	226°40	134,0	438,9			
okt. 4	8h.5	346°40	134,6	457,3	16,4	17,0	17,0
	9h.15	106°40	153,6	428,6	16,4	17,0	17,0
	10h.15	226°40	134,0	438,9			
	11h.15	346°40	134,7	457,4			
	12h.15	106°40	153,7	428,5			
okt. 6	8h.15	226°40	134,1	438,9	16,7	17,1	17,0
	9h.15	346°40	134,8	457,6			
	10h.15	106°40	153,7	428,5			
	12h.15	226°40	134,1	438,8	16,8	17,0	16,9
	4h.15	346°40	134,7	457,6	16,8	17,0	16,8

1914.

Ar. cistoides.

Ar. enclaz

Lehrascsok

Temperaturák

I 12. útkör

napja	óraja	<i>Ar. enclaz</i>		<i>Lehrascsok</i>		Temperaturák								
		állás	felvétel	1. cs	2. cs	k	1.	2.						
<p><i>Ar. 1. sorban a belső platinusúly mélyrege h = 335,9 mm.</i></p> <p><i>Collagassati meridián irányca: 311°</i></p>													I. útkör: (67-215) 141	
mai 28	2h 0	I.	311° 0'	146,9	409,6	9,7	10,0	9,7	II. útkör: (254-511) 433					
	3h 0	"	"	146,6	409,8	9,3	10,0	9,8	I. cs	II. cs				
	4h 0	II.	441° 0'	144,9	442,7	9,4	9,8	9,6	v ₁	m ₁	v ₂	m ₂		
	5h 0 m	III.	131° 0'	125,3	450,95	9,3	9,8	9,6	48	21,48	"	41,43		
	6h 0 m	IV.	221° 0'	147,6	437,6	9,2	9,6	9,5	2,65	21,64	0,1225	5,05 41,66 0,1212		
	7h 0 m	I.	311° 0'	146,95	409,25	9,0	9,4	9,3	2,55	21,80	0,1170	5,11 41,88 0,1220		
	8h 0 m	II.	41° 0'	145,0	442,6	8,9	9,4	9,0	2,45	21,88	0,1120	5,17 42,09 0,1228		
mai 29	10h 0 m	III.	131° 0'	125,0	457,3	9,0	9,0	8,9	2,75	21,95	0,1071	5,19 42,3 0,1227		
	11h 0 m	IV.	221° 0'	147,3	437,25	9,3	9,2	9,1	2,25	21,80	0,1032	5,20 42,43 0,1226		
	12h 0 m	I.	311° 0'	146,95	408,75	9,6	9,5	9,4	2,23	21,65	0,1030	5,16 42,55 0,1213		
	2h 5 m	II.	41° 0'	145,1	442,3	9,5	10,0	9,8	2,20	21,57	0,1020	5,12 42,49 0,1205		
	4h 0 m	III.	131° 0'	125,6	457,3	9,5	10,0	9,9		21,48		42,42		
	12h 10	IV.	221° 0'	147,3	437,1	8,8	9,2	9,1						
mai 30	8h 0	I.	311° 0'	147,2	409,0	8,7	8,9	8,8						
Napsüt	9h 0	I+45°	356° 0'	145,0	419,1	8,9	9,1	9,0						
Napsüt	10h 0	II+45°	86° 0'	135,8	454,4	9,3	9,3	9,2						
"	11h 0	III+45°	176° 0'	131,4	445,2	9,7	9,7	9,7		13,15		26,15		
"	12h 0	IV+45°	266° 0'	152,8	420,7	9,9	9,9	9,9	16,9	13,43	1,2584	33,7 26,10 1,2912		
"	1h 0	I+45°	356° 0'	144,8	419,0	10,1	10,1	10,1	16,72	13,35	1,2524	33,69 26,05 1,2933		
"	2h 0	II+45°	86° 0'	136,0	454,4	10,0	10,1	10,1	16,53	13,38	1,2354	33,67 25,80 1,3000		
"	3h 0	III+45°	176° 0'	131,5	444,9	9,9	10,1	10,0	16,37	13,4	1,2216	33,69 25,55 1,3186		
"	4h 0	IV+45°	266° 0'	152,25	420,75	9,9	10,1	10,0	16,20	13,43	1,2063	33,70 25,40 1,3268		
"	5h 0	I+45°	356° 0'	145,0	419,7	9,8	10,0	10,0	16,22	13,45	1,2134	33,69 25,25 1,3303		
"	6h 0	II+45°	86° 0'	136,1	454,5	9,7	10,0	10,0	16,43	13,38	1,2280	33,77 25,45 1,3157		
"	7h 0	III+45°	176° 0'	131,6	445,0	9,6	10,0	10,0	16,65	13,30	1,2519	33,26 25,65 1,2967		
"	8h 0	IV+45°	266° 0'	152,8	421,3	9,6	9,8	9,8	16,87	13,25	1,2637	33,65 25,78 1,282		
"	11h 40	I+45°	356° 0'	144,8	419,0	9,2	9,8	9,7	16,99	13,40	1,2679	33,14 25,90 1,2795		
mai 31	8h 0 m	II+45°	86° 0'	135,75	454,2	9,1	9,4	9,3	17,10	13,55	1,2620	33,22 25,90 1,2826		
	9h 0	III+45°	176° 0'	131,2	444,25	9,2	9,6	9,5		13,70		25,40		
	10h 0	IV+45°	266° 0'	152,9	420,65	9,7	9,7	9,6						

MAGYAR
TUDOMÁNYOS AKADEMIA
KÖNYVTÁRA

Az észlelés		Az erdőz		Levhasasítók		Temperatura			<u>Iz erdőz</u>
napja	óraja	állás	felőre	1cső	2cső	k	1.	2.	
mai 31	11h 0m	I+45°	356° 0'	145.0	418.9	9.7	10.0	9.9	
	12h 0m	II+45°	86° 0'	136.0	454.2	10.0	10.1	10.0	
	1h 0m	III+45°	176° 0'	131.4	445.0	10.2	10.2	10.1	
	2h 0m	IV+45°	266° 0'	152.55	420.7	10.1	10.3	10.2	
	3h 0m	I+45°	356° 0'	144.7	418.95	10.0	10.3	10.3	
	4h 0m	II+45°	86° 0'	136.2	454.1	10.0	10.3	10.3	
		III+45°	176° 0'						

12
II. Gravitatio's work. Laboratorium.

Leobersok.

Temperaturak.

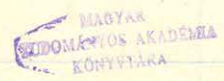
Nap	Óra	Allás	1. m.	2. m.	k.	b.	l.	2.
<p>az iroda mellett próbában. (sátorban)</p> <p>Deszartálás: 1912 december 29-én d.é. 10^h 15^m</p> <p>Meridián: <u>40° 20'</u></p>								

MAGYAR
 HIBOMÉTIKUS AKADÉMIA
 KÖNYVTÁRA

II eszköz

Az észlelés		Az észlező		Levélrészletek		Temperaturák		
napja	óraja	állás	feltevé	1. erő	2. erő	k	1.	2.
Collagisrati meridián irány						281° 0'		
						Tutkőrsi kör: (91-225) 158		
						II " " : (378-522) 450		
mai 28	3h 0m	I	281° 0'	151.4	427.6	10.8	11.0	11.0
	4h 0m	II	11° 0'	137.8	466.0	10.6	11.0	11.0
	5h 0m	III	101° 0'	128.6	450.95	10.6	11.0	11.0
	6h 0m	IV	191° 0'	166.3	437.2	10.5	10.8	10.8
	7h 0m	I	281° 0'	151.5	428.15	10.4	10.8	10.7
	8h 0m	II	11° 0'	137.9	465.3	10.5	10.7	10.7
mai 29	10h 0m	III	101° 0'	128.3	457.1	10.7	10.3	10.3
	11h 0m	IV	191° 0'	166.9	436.4	11.2	10.7	10.7
	12h 0m	I	281° 0'	157.8	426.9	11.3	11.0	11.0
	2h 5m	II	11° 0'	137.8	466.0	11.3	11.4	11.4
	4h 0m	III	101° 0'	128.8	457.0	11.3	11.4	11.4
	12h 10m	IV	191° 0'	166.8	436.95	10.0	10.2	10.2
mai 30	8h.0	I	281° 0'	151.8	427.4	10.0	10.1	10.1
Napant	9h.0	II	11° 0'	137.8	416.7	10.2	10.2	10.2
Napant	10h.0	III	101° 0'	125.0	457.0	11.3	10.8	10.8
"	11h.0	IV	191° 0'	167.1	434.8	11.7	11.4	11.4
"	12h.0	I	281° 0'	152.1	421.95	12.1	12.0	12.1
"	1h.0	II	11° 0'	137.35	466.1	12.1	12.4	12.4
"	2h.0	III	101° 0'	128.3	457.2	12.6	12.4	12.4
"	3h.0	IV	191° 0'	gár	437.3	12.2	12.3	12.2
Napant	4h.0	I	281° 0'	152.2	428.2	11.8	12.1	12.1
Napant (out)	5h.0	II	11° 0'	138.7	465.05	11.5	12.1	12.0
	6h.0	III	101° 0'	129.1	450.8	11.4	11.8	11.8
	7h.0	IV	191° 0'	167.0	437.2	11.3	11.6	11.5
	8h.0	I	281° 0'	157.9	428.0	11.0	11.3	11.3
	11h 40	II	11° 0'	138.1	465.3	10.4	11.0	11.0
mai 31.	7.8h.0	III	101° 0'	128.2	450.7	10.3	10.5	10.5
	9h.0	IV	191° 0'	167.8	436.35	10.8	10.6	10.6
	10h.0	I	281° 0'	157.95	424.9	11.35	11.2	11.2
	11h.0	II	11° 0'	134.9	469.1	11.7	11.8	11.8

2 függő ny felhívás



Ok iiallilis		Ok uskõn		Leohvusaiook.		Temperatuurid.			<u>II-12 esikõr</u>
nappja	õreja	älläsi	fõõõõõõ	l. cõõõõ	l. cõõõõ	R.	l.	l.	
	12h om	III	107° 0'	122.8	457.1	12.5	12.3	12.2	
	1h om	IV	191° 0'	167.3	456.3	12.6	12.7	12.7	
	2h om	I	281° 0'	152.6	427.0	12.6	12.8	12.8	
	3h om	II	11° 0'	138.6	465.5	12.3	12.8	12.8	
	4h om	III	101° 0'	128.9	gõõõõ	12.0	12.6	12.6	
		IV	191° 0'						

Az irány		Az irány		Leolvasások		Temperaturák			III. 12. eszkező gravitáció					
napja	óraja	állás	szög	1. m.	2. m.	k.	1.	2.						
Csillagszati meridián irány : 235° 0'									Tűtűkörsz. kör : (64-231) 148					
									II " " : (370-532) 251					
marc 28.	3h.0m	I	235° 0'	157.7	432.7	9.8	9.6	9.5	0.	I m.	u.	v.	II m.	u.
	4h.0m	II	325° 0'	150.2	443.9	9.7	9.6	9.6						
	5h.0m	III	55° 0'	130.0	459.4	9.7	9.7	9.7	27.148				26.72	
	6h.0m	IV	145° 0'	142.2	452.7	9.7	9.7	9.7	8.0	27.37	0.2923	8.55	26.79	0.3191
	7h.0m	I	235° 0'	157.25	432.65	9.7	9.7	9.7	7.9	27.25	0.2899	8.48	26.85	0.3158
	8h.0m	II	325° 0'	150.2	444.4	9.6	9.7	9.7	7.8	27.40	0.2847	8.4	26.89	0.3124
marc 29.	10h.0m	III	55° 0'	130.0	459.6	9.3	9.1	9.1	7.85	27.55	0.2849	8.38	26.92	0.3113
	11h.0m	IV	145° 0'	142.6	452.9	9.4	9.2	9.1	7.9	27.70	0.2852	8.35	26.85	0.3110
	12h.0m	I	235° 0'	157.85	432.7	9.6	9.3	9.2	8.11	27.85	0.2912	8.23	26.78	0.3073
	2h.5m	II	325° 0'	150.8	444.7	9.6	9.6	9.5	8.32	27.74	0.2999	8.1	26.78	0.3025
	4h.0m	III	55° 0'	130.0	459.35	9.6	9.5	9.5	8.29	27.63	0.3000	8.18	26.77	0.3056
	12h.10	IV	145° 0'	142.35	452.7	9.2	9.1	9.1	8.25	27.54	0.2996	8.25	26.84	0.3074
marc 30	8h.0	I	235° 0'	157.4	432.45	9.2	8.9	8.9	8.16	27.45	0.2973	8.43	26.90	0.3134
Napvil	9h.0	II	325° 0'	150.4	444.2	9.3	9.1	9.1	8.07	27.48	0.2937	8.6	26.90	0.3197
"	10h.0	III	55° 0'	129.9	459.35	9.5	9.2	9.2	8.14	27.5	0.2960	8.55	26.90	0.3178
"	11h.0	IV	145° 0'	142.3	452.9	9.7	9.2	9.2	8.2	27.46	0.2986	8.5	26.92	0.3158
"	12h.0	I	235° 0'	157.4	432.45	9.7	9.3	9.3	8.28	27.42	0.3020	8.33	26.93	0.3093
"	1h.0	II	325° 0'	150.6	444.6	9.8	9.4	9.4	8.35	27.44	0.3043	8.15	26.90	0.3030
"	2h.0	III	55° 0'	130.05	459.4	9.8	9.4	9.4	8.32	27.45	0.3031	8.15	26.87	0.3033
"	3h.0	IV	145° 0'	142.2	452.6	9.7	9.5	9.5	8.28	27.51	0.3010	8.15	26.79	0.3042
"	4h.0	I	235° 0'	157.6	432.6	9.7	9.5	9.5	8.19	27.57	0.2971	8.20	26.70	0.3071
Napvil	5h.0	II	325° 0'	150.35	444.3	9.8	9.6	9.6	8.10	27.56	0.2939	8.25	26.70	0.3090
	6h.0	III	55° 0'	130.0	459.2	9.8	9.6	9.6	8.05	27.55	0.2922	8.18	26.70	0.3064
	7h.0	IV	145° 0'	142.3	452.5	9.7	9.6	9.6	8.0	27.55	0.2904	8.1	26.75	0.3028
	8h.0	I	235° 0'	157.5	432.4	9.7	9.6	9.6	8.0	27.55	0.2904	8.1	26.8	0.3022
	11h.20	II	325° 0'	150.25	444.5	9.3	9.3	9.3	8.0	27.64	0.2894	8.1	26.73	0.3030
marc 31.	8h.0	III	55° 0'	129.9	459.2	9.3	9.1	9.1	8.0	27.73	0.2885	8.23	26.65	0.3088
	9h.0	IV	145° 0'	142.2	452.7	9.2	9.1	9.1	8.0	27.97	0.2860	8.35	26.98	0.3095
	10h.0	I	235° 0'	157.75	432.7	9.3	9.2	9.2	8.0	28.20	0.2837	8.40	27.3	0.3077
	11h.0	II	325° 0'	150.15	444.2	9.3	9.2	9.2	8.0	28.28	0.2829	8.45	26.75	0.3159

III 12 02608

Ohirtilis		Ohirtilis		Lohvaväsiok.		Temperatuurid			<u>III 12 02608</u>					
napp	õieja	allin	fokore	1. nō.	2. nō.	k.	1.	2.	v ₁	m ₁		v ₂	m ₂	
	12hom	III	55° 0'	129.2	458.8	9.4	9.0	9.0	8.0	28.35	0.2822	8.43	26.20	0.3218
	1hom	IV	145° 0'	142.1	452.6	9.5	9.4	9.4	8.0	28.15	0.2842	8.40	26.33	0.3190
	2hom	I	235° 0'	157.35	432.5	9.6	9.5	9.5	7.75	27.95	0.2773	8.40	26.45	0.3176
	3hom	II	325° 0'	150.05	444.2	9.5	9.5	9.5	7.50			8.4		
	4hom	III	55° 0'	129.6	459.1	9.6	9.6	9.6						
	5ho	IV	145° 0'	143.0	452.6	9.7	9.6	9.6						

Eszlelési idő		Állás		Távolságok		Belső	Külső	
1910						temp.	segítők	
nap	óra	irány	szög	1.	2.	tura	1.	2.
Kis esz köz a sarok mágneses szobában, a tártóban felállítva								
Bevizsgálta ve. Meridián 259°40'								
Beszúrta 1910. VI. 11. 10z. 30'								
VI. 11	1h om	I	259°40'	155.8	455.3	25.0		
	2h om	II	19°40'	153.7	448.2	24.8		
	3h om	III	139°40'	157.7	447.0	24.7		
	4h om	I	259°40'	157.7	454.2	24.6	+1.9	-1.1
	5h om	II	19°40'	153.7	447.5	24.5	-0.0	-0.7
	6h om	III	139°40'	157.9	446.2	24.2	+0.2	-0.8
VI. 13	7h om	I	259°40'	158.6	452.1	23.5	+0.9	-2.1
	10h om	II	19°40'	154.7	445.3	23.6	+1.0	-2.2
	11h om	III	139°40'	152.6	444.2	23.7	+0.7	-2.0
	12h om	I	259°40'	158.5	452.1	24.0	-0.1	0.0
	1h om	II	19°40'	154.4	445.5	24.0	-0.3	+0.2
	2h om	III	139°40'	157.8	443.0	24.1	-0.8	-1.2
	3h om	I	259°40'	158.7	452.0	24.4	+0.2	-0.1
	4h om	II	19°40'	154.6	445.4	24.4	+0.2	-0.1
	5h om	III	139°40'	152.1	444.3	24.5	+0.3	+1.3
	6h om	I	259°40'	157.8	452.2	24.2	-0.9	+0.2
	7h om	II	19°40'	153.7	445.8	24.1	-0.9	+0.4
	8h om	III	139°40'	157.9	444.3	24.0	-0.2	0.0
VI. 14,	10h om	I	259°40'	158.3	457.6	23.5	+0.5	-0.6
	11h om	II	19°40'	154.2	445.0	23.5	+0.5	-0.8
	12h om	III	139°40'	152.5	444.2	23.5	+0.6	-0.1
	1h om	I	259°40'	158.4	457.6	23.3	+0.1	0.0
	2h om	II	19°40'	154.8	445.0	23.6	+0.6	0.0
	3h om	III	139°40'	152.9	443.7	23.7	+0.4	-0.5

Eszlelési idő 1910		Állás		Leolvadások		Belső nyer	Hilomdságok		
Nap	óra	Állás	Fokkör	1.	2.	valószínű	1.	2.	
VI. 14.	4h	I	259°40'	158.4	457.5	24.0	0.0	-0.1	
	5h	II	19°40'	153.9	445.5	24.1	-0.9	+0.05	
	6h	III	139°40'	152.0	444.0	24.0	-0.9	+0.3	
	7h	I	259°40'	157.9	457.8	23.8	-0.5	+0.3	
VI. 15	9h om	II	19°40'	154.2	444.8	23.0	+0.3	-0.25	
	10h "	III	139°40'	152.5	443.5	23.4	+0.5	-0.5	
	11h "	I	259°40'	158.4	457.3	23.5	+0.5	-0.5	
	12h "	II	19°40'	154.0	444.8	23.7	-0.2	0.0	
	1h om.	III	139°40'	152.2	443.6	23.3	-0.3	+0.1	
	2h om.	I	259°40'	157.9	457.4	23.4	-0.5	+0.1	
	3h om.	II	19°40'	154.0	444.95	23.2	0.0	+0.15	
	4h om.	III	139°40'	152.3	443.7	23.4	+0.1	+0.1	
	5h om	I	259°40'	158.0	457.4	23.6	+0.1	0.0	
	6h om	II	19°40'	154.0	445.0	23.5	0.0	+0.05	
7h om	III	139°40'	152.1	443.7	23.4	-0.2	0.0		
VI. 16	9h om	I.	259°40'	158.3	457.1	22.3	+0.3	-0.3	
	10h om	II.	19°40'	154.2	444.6	22.7	+0.2	-0.4	
	11h om	III.	139°40'	152.4	443.3	23.0	+0.3	-0.4	Nagyas, villám.
	2h om	I	259°40'	158.05	457.05	23.0	-0.25	-0.05	
	3h om	II	19°40'	154.1	444.7	23.0	-0.1	+0.1	
	4h om	III	139°40'	152.55	443.2	22.9	+0.15	-0.1	
	5h om	I	259°40'	158.0	457.0	22.9	-0.05	-0.05	
	6h om	II	19°40'	154.15	444.7	23.0	+0.05	0.0	
	7h om.	III	139°40'	152.0	443.25	23.0	-0.55	+0.05	
	június 17	9h om.	I.	259°40'	158.3	457.0	22.1	+0.3	0.0
10h om		II	19°40'	154.45	444.3	22.3	+0.30	-0.4	

Észlelési idő 1910		Leolvasások				Temperaturák	
Nap	Óra	Állás	Főkör	I cső	II cső	1.	2.
VI. 24.	4h 0m	III IV	302°40'	170.0	445.7	24.1	24.1
	5h 0m	II	122°40'	171.1	444.2	24.1	24.1
	6h 0m	IV	302°40'	174.2	444.9	24.0	24.0
	7h 0m	II	122°40'	171.8	444.7	23.1	23.1
Jún. 27.	9h 0m	II	302°40'	171.5	444.4	17.0	17.0
	10h 0m	II	122°40'	172.5	443.9	16.7	16.7
	11h 20m	IV	302°40'	171.5	445.0	16.7	16.7
	12h 0m	II	122°40'	171.95	444.1	16.6	16.6
	1h 0m	IV	302°40'	171.05	445.5	16.7	16.7
	2h 0m	II	122°40'	171.1	445.0	17.0	17.2
	3h 0m	IV	302°40'	169.8	446.0	17.8	17.8
	4h 0m	II	122°40'	171.4	444.5	18.3	18.3
	5h 0m	IV	302°40'	171.5	445.0	18.2	18.2
	6h 0m	II	122°40'	172.2	443.8	18.0	18.0
	7h 0m	IV	302°40'	171.8	444.7	18.0	17.0
	Júl 28.	9h 0m	II IV	122°40'	171.0	444.9	15.5
9h 30m		IV	302°40'	194.0	435.5		
10h 0m		IV	302°40'	167.7	447.2	17.0	17.0
11h 30m		II	122°40'	167.0	446.5	20.5	20.6
12h 30m		IV	302°40'	166.5	447.5	22.6	22.6
1h 30m		II	122°40'	168.6	445.9	24.1	24.2
2h 30m		IV	302°40'	168.7	446.2	25.0	25.0
3h 30m		II	122°40'	171.2	444.1	25.0	25.0
4h 30m		IV	302°40'	170.8	445.2	24.5	24.5
5h 30m		II	122°40'	172.2	443.5	23.7	23.7
6h 30m		IV	302°40'	171.8	444.5	22.8	22.8
Jún 29.		9h 0m	II	122°40'	171.05	444.5	18.5
	10h 0m	II	"	169.1	445.8	20.0	20.0
VI. 30.	9h 0m	IV	302°40'	170.0	446.0	20.6	20.6
	9h 30m	Az I. eszköz lelozása csőbe az II állásban dél felé hajlítva					
	10h 30m	II	166.9	166.9	445.5	22.6	22.7
	11h 30m	IV	302°40'	164.9	446.8	25.0	25.0

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KÖNYVTÁRA

Észlelés ideje		Állás		Leolvasások		Temperatúra		Változás	
Nap.	Óra	Állás	Állás	1.	2.	1.	2.		
Július 30.	12h 30m	II	122°40'	166.7	445.9	29.0	29.0		
	1h 30m	IV	302°40'	166.9	446.5	28.5	28.5		
	2h 30m	II	122°40'	169.2	445.1	29.6	29.6		
	3h 30m	IV	302°40'	170.3	445.3	30.0	30.0		
	4h 30m	II	122°40'	172.7	443.9	29.4	29.5		
	5h 30m	IV	302°40'	172.5	444.6	28.0	28.2		
	6h 30m	II	122°40'	173.5	443.1	27.5	27.7		
VII. 1	9h 30m	IV	302°40'	169.9	445.0	17.5	17.5		
	10h 30m	II	122°40'	166.2	445.5	19.5	19.5		
	11h 30m	IV	302°40'	164.5	446.7	21.7	21.8		
	12h 30m	II	122°40'	166.8	445.6	24.0	23.9		
	1h 30m	IV	302°40'	166.5	446.4	25.3	25.3		
	2h 30m	II	122°40'	170.7	444.2	26.0	26.0		
	3h 30m	IV	302°40'	170.4	445.1	25.8	26.0		
	4h 30m	II	122°40'	173.0	443.3	25.5	25.4		
	5h 30	IV	302°40'	172.3	444.4	24.5	24.5		
	6h 30	II	122°40'	173.8	443.0	23.9	23.8		
Júl. 2	9h 0m	IV	302°40'	168.9	445.3	18.1	18.1		
	10h 0m	II	122°40'	167.2	445.1	19.7	19.7		
	11h 0m	IV	302°40'	162.0	447.0	22.5	22.5		
	12h 0m	II	122°40'	164.3	446.0	25.0	25.0		
	1h 0m	IV	302°40'	169.2	445.3	26.0	25.9		
	2h 30m	II	122°40'	171.4	444.0	26.2	26.2		
	3h 30m	IV	302°40'	171.2	444.9	26.1	26.1		
	4h 30m	II	122°40'	173.0	443.2	25.4	25.5		
	5h 30m	IV	302°40'	172.3	444.2	24.7	24.7		
	6h 30m	II	122°40'	172.5	443.4	16.5	16.5		
Júl. 4.	9h 0m	IV	302°40'	170.3	445.1	17.9	17.9		
	10h 0m	II	122°40'	169.0	444.9	18.0	18.0		
	12h 0m	IV	302°40'	167.6	446.0	19.0	19.1		
	3h 30m	II	122°40'	171.8	444.0	21.0	21.0		
	4h 30m	IV	302°40'	171.7	444.9	21.0	21.0		

Érkezési idő 1909		Állás		Leolvások			Zsolt tempo vater	Hótméreg		
Nap	óra	Állás	Fokor	1.	2.	3.		1.	2.	3.
jun. 13.	11h. 0m.	I.	323°0'	167.7	441.3	731.2	23.6			
	12h. 0m.	II.	83°0'	159.3	448.9	732.2	23.6			
	1h. 0m.	III.	203°0'	166.3	449.2	723.8	23.7			
	2h. 0m.	I.	323°0'	168.0	441.8	731.4	23.7	+0.3	+0.5	+0.2
	3h. 0m.	II.	83°0'	159.5	448.5	732.2	23.5	+0.2	-0.4	0.0
	4h. 0m.	III.	203°0'	166.6	449.2	609.0!	23.6	+0.3	0.0	—
	5h. 0m.	I.	323°0'	167.3	441.8	731.6	23.6	-0.7	0.0	+0.2
	6h. 0m.	II.	83°0'	159.2	448.6	732.2	23.5	-0.3	+0.1	0.0
	7h. 0m.	III.	203°0'	167.0	449.0	723.9	23.4	+0.4	-0.2	—
jun. 14.	10h. 0m.	I.	323°0'	167.8	441.3	731.7	23.0	+0.5	-0.5	+0.1
	11h. 0m.	II.	83°0'	159.1	448.4	732.2	23.0	-0.1	-0.2	0.0
	12h. 0m.	III.	203°0'	306.0ca	449.0	723.9	23.0	—	0.0	0.0
	1h. 0m.	I.	323°0'	167.7	441.7	731.5	23.1	-0.1	+0.4	-0.2
	2h. 0m.	II.	83°0'	159.1	448.5	732.2	23.1	0.0	+0.1	0.0
	3h. 0m.	III.	203°0'	166.5	449.1	608.9!	23.1	—	+0.1	—
	4h. 0m.	I.	323°0'	167.7	448.4	732.1	23.3	0.0	-0.3	+0.6
	5h. 0m.	II.	83°0'	159.3	448.7	732.1	23.2	+0.2	+0.2	-0.1
	7h. 0m.	III.	203°0'	166.6	449.1	724.0	23.2	+0.1	0.0	—
jun. 15.	9h. 0m.	I.	323°0'	168.2	441.2	731.5	23.0	+0.5	-0.2	-0.6
	10h. 0m.	II.	83°0'	306.!	448.3	732.3	23.0	—	-0.4	+0.2
	11h. 0m.	III.	203°0'	166.7	449.0	723.95	23.0	+0.1	-0.1	-0.05
	12h. 0m.	I.	323°0'	44.2.!	441.4	731.55	23.1	—	+0.2	+0.05
	1h. 0m.	II.	83°0'	159.1	448.4	732.3	23.1	—	+0.1	0.0
	2h. 0m.	III.	203°0'	305.!	449.0	609.!	23.1	—	0.0	—
	3h. 0m.	I.	323°0'	168.0	441.45	608.3!	23.1	—	+0.05	—
	4h. 0m.	II.	83°0'	43.5.!	448.4	732.2	23.2	—	0.0	-0.1
	5h. 0m.	III.	203°0'	185.2	449.1	608.5	23.1	—	+0.1	—
	6h. 0m.	I.	323°0'	168.0	441.5	731.6	23.1	0.0	+0.05	—
	7h. 0m.	II.	83°0'	159.6	448.4	732.3	23.1	0.0	+0.1	+0.1

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Eszlelés ideje 1910		Állás		Leolvasások			Helmésség			
nap	óra	állás	Pérför	1.	2.	3.	1.	2.	3.	
Juni 16	9h. 0m.	III.	203°0'	166.4	449.0	724.0	22.9	0.0	-0.1	—
	10h. 0m.	I.	323°0'	167.7	441.2	731.7	23.0	-0.3	-0.3	+0.1
	1h. 0m.	II.	83°0'	43.5	448.4	732.4	23.0	—	0.10	+0.1
	2h. 0m.	III.	203°0'	42.7	449.3	724.0	23.0	—	+0.3	0.0
	3h. 0m.	I.	323°0'	167.4	441.35	872.0	23.0	-0.3	+0.15	—
	4h. 0m.	II.	83°0'	159.5	448.5	609.0!	22.9	—	+0.1	—
	5h. 0m.	III.	203°0'	166.6	449.2	609.0!	23.0	—	-0.1	—
	6h. 0m.	I.	323°0'	167.8	441.6	731.6	23.0	+0.4	+0.25	—
	7h. 0m.	II.	83°0'	304.0!	448.45	732.3	23.0	—	-0.25	—
	Juni 17	9h. 0m.	III.	203°0'	167.25	449.05	723.85	22.9	+0.65	-0.15
10h. 0m.		I.	323°0'	304.0!	441.3	731.65	22.9	—	-0.3	+0.25

Hosszú Szoba, 1911. szeptember.

Kis erkély				Leolvasást		Tempera	
Nap	óra	áll.	Fok	1.	2.	hát.	k. 3

Kis erkély

Beszúrretálva 1911. szept. 18. d. e 9^h 40^m kor.

Szept 18.	11 ^h 0 ^m	T	75 ^o	199,8	418,5	21,1	20,3
	12 ^h 30 ^m			198,5	418,7	21,0	20,3
	1 ^h 30 ^m			198,0	418,7	21,0	20,3
	2 ^h 15 ^m			197,8	418,8	21,0	20,2
	3 ^h 0 ^m			198,0	419,3	21,0	20,2
	4 ^h 0 ^m			197,9	419,3	20,9	20,2
	7 ^h 30 ^m			197,9	419,9	20,8	20,1
	8 ^h 0 ^m			197,9	419,9	20,7	20,1
Szept 19.	7 ^h 15 ^m			196,7	419,7	20,0	19,4
	9 ^h 0 ^m			196,95	419,9	20,0	19,4
	10 ^h 15 ^m			197,0	420,1	20,1	19,5

Idő 1913	Állás	Levegőmagasság		Temperaturák			Hővesztés
		1000	2000	g.	1.	2.	
sept. 23							
6h. 15	36°40'	148,9	470,4	16,9	16,9		
^{7h. 45}	236°40'	148,9	471,1	16,8	16,7		
9h. 30	156°40'	158,0	477,0	16,7	16,8		
10h. 20	276°40'	162,9	449,9	16,7	16,8		
11h. 20	36°40'	148,8	470,7	16,7	16,7		
12h. 20	156°40'	158,0	476,7	16,6	16,7		
3h. 50m.	276°40'	162,8	449,9	16,4	16,6		
4h. 50m.	36°40'	148,8	470,9	16,5	16,6		
5h. 50m.	156°40'	158,1	476,8	16,5	16,5		
<u>7h. 5m.</u>	276°40'	162,8	449,9	16,5	16,4		
sept. 24							
4h. 50	36°40'	148,4	471,1	16,5	16,2		
8h. 50	156°40'	158,1	477,1	16,1	16,2		
9h. 50	276°40'	162,4	450,0	16,6	16,5		
10h. 50	36°40'	148,8	471,2	16,6	16,5		
11h. 50	156°40'	158,0	477,0	16,6	16,5		
12h. 50	276°40'	162,8	449,8	16,6	16,5		
4h. 20	"	162,7	449,7	16,6	16,5		
5h. 20	36°40'	148,8	477,8				
7h. 0	156°40'	158,0	476,7				
sept. 28							
8h. 20	"	158,0	476,9	16,5	16,0		
9h. 40	"	158,0	477,4	16,1	16,1		
10h. 40	"	157,9	477,2	16,5	16,5		
sept. 29							
7h. 50	156°40'	158,1	477,1	16,1	16,0		
9h. 0	276°40'	162,5	450,3	16,1	16,0		
12h. 0	36°40'	148,4	470,6	16,8	16,8		
4h. 25	156°40'	158,1	476,9	16,5	16,6		
6h. 50	276°40'	162,5	449,8	16,5	16,6		
sept. 30							
7h. 50	276°40'	162,5	449,8	16,1	16,1		
8h. 50	36°40'	148,5	470,8	16,1	16,1		

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TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

Ennelestin idä	Oran	Allas	Leolvasus		Temperatuur		
			1000	2000	K	6	
sept 30	10h.30	158°40	158,1	477,1	16,2	16,2	
	11h.20	156°40	162,5	449,8	16,3	16,3	Willemsin (3352)
	2) 00	in. nö. väike	reivimä	hõlpsu	M. K. K. K.	335,2	-478,2
		el. K. K. K.	12 h 5 m				
	1h.5m	36°40	147,2	470,7	16,7	16,8	n. y. s. i. h.
	2h.5	"	146,9	470,6			
	3h.5m	156°40'	156,4	474,0	16,8	16,8	
	4h.4m	"	156,6	476,1			
	8m.25s	"		383,2			
	15m 0			439,1			
	16m 0			446,1			
	17m 0			452,1			
	18m 0			456,9			
	19m 0			460,8			
	20m 0			463,6			
	21m 0			465,9			
	22m 0			467,8			
	23m 0			469,1			
	24m 0			470,15			
	25m 0			471,1			
	26m 0			471,95			
	27m 0			472,6			
	28m 0			473,05			
	29m 0			473,5			
	30m 0			473,9			
	31m 0			474,15			
	32m 0			474,4			
	33m 0			474,7			
	34m 0			474,95			
	35m 0			475,0			
	36m 0			475,1			
	37m 0			475,2			

Eestlini nr	Aeg	Kõrgus	Lendamine		Temperatuur	
			1. lenn	2. lenn	K	t
Hüü 230	4h 38m 0	156° 40'		475,3		
	4h 40m 0		474,1			
	4h 47m 0		474,2			
	4h 48m 0		474,3			
	4h 49m 0		474,5			
	4h 50m 0		474,8			
	4h 57m 0		474,9			
	4h 59m 0		475,0			
	4h 53m 0		475,2			
	4h 54m 0		475,3			
	4h 55m 0		475,4			
	4h 56m 0		475,5			
	4h 57m 0		475,7			
	4h 58m 0		475,85			
	4h 59m 0		475,95			
	5h 0m 0		476,0			
	1m 0		476,0	non-himbud		
	2m 0		476,0	himbud		
	3m 0		476,05			
	4m 0		475,9			
5m 0	475,7					
6h 25m	276° 40'	161,1	449,05	16,7	16,8	
6h 50m		161,2	449,2	16,7	16,8	
8h 20		161,2	449,2	16,6	16,7	
Oks. 1	7h 25		161,2	449,6	16,2	16,2
	8h 10m		161,2	449,6	16,2	16,2
	9h 0		161,2	449,7		
	10h 0		161,2	449,9	16,7	16,5
	11h 0		161,7	449,6	16,7	16,7
	11h 35		161,1	449,4	16,7	16,7
	12h 0		161,1	449,4	16,7	16,7
	1h 35		161,1	449,4	16,6	16,6

Wärsnik 476,1-2 m

Küldetés ideje	Oru	Allos	Levegőmagasság		Temperatura		Még
			teső	zúzó	K	G.	
okt. 1	3h.55	27°40'	161,2	449,4	16,7	16,7	
	5h.0	"	161,2	449,4	16,7	16,7	
	6h.0	"	161,2	449,4	16,6	16,7	
	<u>7h.0</u>		161,2	449,5	16,4	16,7	
	<u>9h.15</u>	36°40'	147,2	470,4	16,4	16,4	
okt. 2	7h.20	"	147,2	470,7	16,3	16,2	decsél
	8h.5		147,1	470,9			csúszás
	9h.0		146,8	471,4	16,7	16,4	" "
	10h.0		146,8	471,2	17,1	16,8	" "
	11h.0		147,1	471,2	17,0	17,0	
	12h.0		147,2	470,4!	17,1	17,0	hosszú oru! 1 jö!
	12h.40		147,2	470,4	17,1	17,0	
	1h.20		147,1	470,3	17,0	17,0	
	3h.40		147,1	470,3	17,0	17,0	
	5h.0		147,1	470,3	17,0	17,0	
	<u>6h.20</u>		147,1	470,3	16,9	16,9	
	okt. 3	8h.45		147,1	470,5	16,6	16,6
9h.15			147,1	470,7	16,6	16,6	"
10h.15			147,0	470,6	16,8	16,7	
11h.15			146,9	470,7	16,8	16,7	gyengén sít a nap!
12h.15			147,1	471,0	16,8	16,8	" " " "
12h.40			147,1	470,9	16,8	16,8	
4h.20			147,1	470,3	16,8	16,8	
5h.20			147,1	470,4	16,8	16,8	
6h.25			147,1	470,3	16,8	16,8	
okt. 4	8h.5		147,1	470,3	16,4	16,4	
	9h.5		147,1	470,4	16,6	16,5	
	10h.10		147,1	470,7	16,6	16,6	
	11h.10		147,0	470,8	16,7	16,6	
	12h.10		147,0	470,9	16,8	16,8	
	12h.40		147,1	470,9	16,8	16,8	
	5h.50		147,1	470,4	16,7	16,7	

MAGYAR
HIDOMÉNYOS AKADÉMIA
KÖNYVTÁRA

Érteləri idő 1913	óra	Állás	Leolvasások		Temperaturák		Ez is esik
			1. cső	2. cső	R	b.	
okt. 5	10h. 20	36°40'	147.2	470.9	16.9	16.9	borult
	10h. 50	"	147.2	471.1	16.9	16.9	"
	11h. 30	"	147.1	470.9	17.0	17.0	- a nap süt (gyenge)
	12h. 0		147.0	471.2	17.0	17.0	a nap süt
	12h. 15		147.0	471.2	17.0	17.0	" "
okt. 5	6h. 5		147.2	470.8	17.0	17.0	csök
okt. 6	8h. 0		147.0	470.8	17.0	17.0	
	9h. 0		146.9	470.8	17.0	17.0	
	10h. 0		147.0	470.7	17.0	17.0	
	12h. 0		147.1	470.9	17.2	17.2	
	4h. 10		147.2	470.8	17.2	17.1	
			/				

HÁLYAR
 LUDWIG MATHIAS AKADEMIA
 KONVIKTÁRA

Eszlelés ideje 1913.	óra	Állás Főir	1600			2600			Temperat.		Kis értékek 1912. Nvvi. 1.
			m	no	n-no	m	no	n-no	k.	b.	
<u>Kis értékű irada mellett</u>											
nov. 2	<u>Főir 240°-on 1 rúd logója ezáltal.</u>						<u>Vésen</u>		<u>Május mellett</u>		
	10h.30	240°	149.25			475.05			17.1°	17.0°	
	11h.30	"	149.2			474.95			17.0	17.0	
	12h.30	0°	154.9			459.8			17.1	17.0	
	1h.30	120°	165.0			458.2			17.2	17.0	
	2h.30	240°	149.4			474.9			17.2	17.0	
	3h.30	0°	154.9			459.7			17.1	17.1	
	4h.30	120°	165.0			458.0					
	5h.30	240°	149.4			474.9					
	6h.30	0°	154.9			459.65					
	7h.30	120°	165.0			457.9			17.0	17.0	
	8h.30	240°	149.35			474.85					
	9h.30	0°	154.9			459.7					
nov. 3	6h.35	0°	154.9			459.75			16.8	16.7	
	7h.30	60°	167.0			456.9					
	8h.30	180°	152.15			462.35					
	9h.30	300°	150.5			473.1			17.0	16.8	
	10h.30	60°	167.05			457.2					
	11h.30	180°	152.4			463.25			17.2	17.0	
	12h.30	300°	151.0			474.0			17.4	17.1	
	1h.30	60°	167.2			457.5					
	2h.30	180°	152.25			462.6			17.3	17.2	
	3h.30	300°	150.7			473.0			17.4	17.2	
	4h.30	60°	167.0			456.9					
	5h.30	180°	152.45			462.4			17.4	17.2	
	6h.30	300°	150.8			472.8			17.3	17.2	
	7h.30	60°	167.2			456.85					
	8h.30	180°	152.5			462.6			17.2	17.0	
nov. 4	1.7h.10		152.3			462.4					
	8h.10		152.3			462.6			16.9	16.9	

1914. Az észlelés		Az észlelés		Levegőcsök		Temperatura			<u>Kis eszköz</u>					
nappal	óra	állás	felvétel	1-es	2-es	k	1.	2						
		Cithagászati		meridián irány		261°0'			I. hőmérséklet: (24-260) 142.					
									II. hőmérséklet: (340-565) 453					
maius 28.	3h 0m	I.	261°0'	145,7	476,5	8,3			I. cső	II. cső				
	4h 0m	II.	351°0'	160,7	461,7	8,3			v. m ₁	$\frac{M_1}{K_1}$	v ₂ m ₂			
	5h 0m	III.	81°0'	164,5	457,1	8,3			18,8		19,15 [*]			
	6h 0m	IV.	171°0'	149,8	472,1	8,3			10,8	18,8	0,5745	10,9		
	7h 0m	I.	261°0'	145,7	476,0 [*]	8,2			10,75	18,8	0,5718	10,98	18,8 [*]	0,5840
	8h 0m	II.	351°0'	160,5	461,1	8,2			10,7	18,88	0,5667	11,05	18,9 [*]	0,5846
maius 29.	10h 0m	III.	81°0'	164,5	457,0	7,8			10,73	18,95	0,5662	10,91	19,0 [*]	0,5742
	11h 0m	IV.	171°0'	149,8	472,2	8,0			10,75	19,00	0,5649	10,77	19,05 [*]	0,5523
	12h 0m	I.	261°0'	145,45	476,6	8,0			10,78	19,1	0,5644	10,74	19,1	0,5623
	2h 5m	II.	351°0'	160,6	461,75	7,9			10,8	19,14	0,5642	10,7	18,95	0,5646
	4h 0m	III.	81°0'	164,6	457,7	8,2			10,75	19,17	0,5608	10,86	18,8	0,5777
	12h 10m	IV.	171°0'	149,8	472,7	7,9			10,7	19,11	0,5599	11,02	18,88	0,5837
maius 30.	8h 0	I.	261°0'	145,4	476,4	8,1			10,65	19,05	0,5591	11,06	18,95	0,5836
nap végén	9h 0	II.	351°0'	160,4	461,6	8,2			10,6	18,98	0,5585	11,1	19,08	0,5818
"	10h 0	III.	81°0'	164,3	457,2	8,2			10,6	18,9	0,5608	11,15	19,2	0,5807
"	11h 0	IV.	171°0'	149,8	472,7	8,2			10,6	18,9	0,5608	11,2	19,25	0,5818
"	12h 0	I.	261°0'	145,4	476,4	8,2			10,58	18,9	0,5598	11,28	19,3	0,5845
"	1h 0	II.	351,0	160,4	461,4	8,2			10,55	18,85	0,5597	11,35	19,149	0,5820
"	2h 0	III.	81°0'	164,3	457,0	8,3			10,5	18,8	0,5585	11,40	19,68	0,5793
"	3h 0	IV.	171°0'	149,9	472,8	8,2			10,45	18,73	0,5579	11,45	19,89	0,5757
"	4h 0	I.	261°0'	145,6	476,95	8,3			10,45	18,65	0,5603	11,25 ⁺	20,1 ⁺	0,5597
nap végén	5h 0	II.	351°0'	160,3	461,3	8,5			10,45	18,68	0,5594	11,05 ⁺	19,92 ⁺	0,5547
	6h 0	III.	81°0'	164,2	456,7	8,7			10,49	18,7	0,5610	10,81 ⁺	19,72 ⁺	0,5479
	7h 0	IV.	171°0'	149,8	471,9 ⁺	8,7			10,53	18,77	0,5610	10,57 ⁺	19,27 ⁺	0,5457
	8h 0	I.	261°0'	145,4	475,9 ⁺	8,7			10,54	18,83	0,5597	10,79 ⁺	19,0 ⁺	0,5679
	11h 40m	II.	351°0'	160,35	461,35	8,1			10,55	18,88	0,5588	11,0 ⁺	19,0 ⁺	0,5789
maius 31.	7h 0	III.	81°0'	164,3	457,1	8,1			10,56	18,92	0,5581	11,23 ⁺	19,0 ⁺	0,5911
	9h 0m	IV.	171°0'	149,8	472,8	8,0			10,57	18,96	0,5575	11,45	19,1	0,5995
	10h 0	I.	261°0'	145,35	476,3	8,1			10,64	19,0	0,5600	11,35	19,2	0,5911
	11h 0m	II.	351°0'	160,5	461,35	8,2			10,70	19,07	0,5629	11,25	19,28	0,5835

Estetles idje	Óra	Allás	Földm	Balatoni estér	II sz. estér	Kis estér	I sz. estér	III sz. estér
Mangyeres	meridián			106° 40'	283° 40'	254° 40'	123° 30'	230°
Tallás				113°	290°	261°	130°	236°
<u>Elke's nelt 11 h. 35' 1/2</u>								
marc 20	1 h. 0			213.05	145.3 428.4	147.2 474.8	155.6 423.8	158.3 434.0
	2 h. 0			213.15	145.25 428.2	147.1 475.2	155.75 423.65	158.0 433.9
	3 h. 0			213.35	145.25 428.2	147.05 475.8	155.8 423.6	158.0 433.9
	4 h. 0			213.3	145.3 428.4	147.0 475.95	155.8 423.6	158.0 433.8
	5 h. 0			213.45	145.6 428.7	146.9 475.95	155.8 423.7	157.9 433.7
	6 h. 0			213.5	145.7 428.7	146.9 475.9	155.8 423.7	157.9 433.6
	7 h. 0			213.5	145.8 428.8	146.9 476.05	155.75 423.7	157.85 433.6
	8 h. 0			213.6	145.8 428.7	146.8 476.1	155.85 423.6	157.8 433.5
marc 21	briss est							
	2.7 h 45			213.55	145.95 428.2	146.3 476.2	155.9 423.4	157.9 433.2
	9 h. 0			213.55	146.0 428.3	146.4 476.3	156.0 423.2	157.8 433.25
10 h. 0				213.6	146.05 428.25	146.4 476.2	156.0 423.25	157.75 433.25
	11 h. 0			213.7	146.05 428.2	146.3 476.25	156.3 423.15	158.9 433.0
	12 h. 0			213.4	146.0 428.25	146.3 476.25	156.0 423.25	158.0 433.25
	1 h. 0			213.5	146.0 428.1	146.3 476.3	156.5 423.1	157.0 433.2
1 h 15	est	est	est; est. h. 15					

MABTAK
KÖZÖS AKADÉMIA
KÖNYVTÁRA

Értelelő ideje	óra	Balatoni eszköz	II eszköz	Kis eszköz	I. eszköz	III eszköz	Három rész		
							I	II	III
Máj 21	2h 0	213,45	146,1 428,3	146,25 476,3	156,0 423,35	158,15 433,25			
	3h 0	213,6	146,1 428,35	146,2 476,25	156,0 423,3	157,8 433,15			
	4h 0	213,8	146,05 428,2	146,25 476,15	156,1 423,25	157,3 433,1			
	5h 0	213,5	146,1 428,2	146,2 476,2	155,25 423,6	157,8 433,1			
Máj 22	r. 8h								
Vasárnap csóna brüss	r. 8h	213,75	146,2 428,25	146,05 476,3	155,4 423,4	157,9 433,45	138,2	423,5	755,55
brüss	r. 10h	213,7	146,3 428,15	146,05 476,3	155,5 423,4	157,85 433,05	138,45	423,5	755,55
							138,2	423,5	755,6
napf. szél szélkelet észak	11h 10	213,35	146,25 428,05	146,05 476,45	155,6 423,3	157,85 433,0	138,2	423,5	755,55
napf. szél	12h 10	213,25	146,2 427,95	146,05 476,5	155,55 423,3	157,85 433,05	138,2	423,5	755,55
szélkelet napf. szél kelet éj	1h 10	213,0	146,2 427,75	146,05 476,55	155,55 423,25	157,9 433,1	138,8	423,5	755,55
csóna napf. szél	2h 15	213,15	146,2 427,75	146,05 476,55	155,55 423,25	157,9 433,1	138,3	423,5	755,55
Jesuits	3h 40	213,3	146,65 428,1	146,05 476,90	155,45 423,45	157,85 433,05	138,6	423,5	755,6
" "	6h 0	213,6	146,8 428,6	146,05 476,3	155,3 423,7	157,8 433,0	138,5	423,45	755,7
" "	8h 30	213,75	146,7 428,6	146,05 476,2	155,5 423,5	157,4 432,95	138,9	423,45	755,7
" "	12h 35	213,7	146,8 428,65	145,95 476,25	155,6 423,55	157,37 433,0	138,05	423,6	755,65
Máj 23	r. 5h 15	213,8	146,8 428,2	145,9 476,25	155,4 423,45	157,6 432,9	138,2	423,6	755,65
Jesuits	7h 20	213,8	146,7 428,25	146,3 475,85	155,6 423,3	157,3 432,8	138,1	423,5	755,7

Éslelés ideje	óra	Balaton entér	II entér	Kis entér	I entér	II entér			
Először	8h 10	213,7	146,6 428,05	145,8 476,3	155,6 423,4	157,9 432,0	138,0	423,7	755,7
Deuts	9h 0	213,3	146,6 427,8	145,8 476,2	155,6 423,3	157,8 432,95	138,3	423,6	755,8
Deuts	10h 0	213,2	146,6 427,6	145,9 476,2	155,7 423,3	157,8 432,0	138,9	423,5	755,7
Kis Balaton	11h 0	213,2	146,6 427,8	145,9 476,2	155,8 423,3	157,8 432,0	138,6	423,7	755,4
Borost	12h 0	213,2	146,7 427,9	145,8 476,2	155,7 423,3	157,9 433,0	138,6	423,65	755,8
csó ^a	1h 0	213,4	146,8 428,2	145,9 476,2	155,65 423,4	157,8 432,95	138,8	423,55	755,65
"	2h 0	213,45	146,8 428,2	145,8 476,3	155,7 423,35	157,75 433,0	137,9	423,5	755,85
"	3h 0	213,6	146,8 428,15	145,8 476,3	155,75 423,3	157,6 433,0	138,2	423,4	755,8
"	4h 0	213,6	146,8 428,2	145,8 476,15	155,7 423,4	157,6 432,95	138,55	423,7	755,6
"	5h 0	213,6	146,8 428,2	145,8 476,1	155,7 423,4	157,7 433,0	138,3	423,5	755,8
"	6h 0	213,6	146,9 428,2	145,8 476,2	155,7 423,4	157,6 432,95	138,4	423,4	755,8
"	7h 0	213,4	146,9 428,2	145,8 476,2	155,6 423,4	157,6 433,0	137,9	423,6	755,7
"	11h 35m	213,7	146,9 428,15	145,8 476,3	155,7 423,5	157,4 432,9	137,95	423,6	755,65
M. 24 Deuts	7h 30	213,75	146,85 428,1	145,8 476,3	155,8 423,3	157,45 432,75	138,4	423,5	755,6
Deuts	9h 0	213,45	146,8 427,9	145,8 476,4	155,8 423,3	157,7 432,9	138,5	423,4	755,9
Deuts	10h 30	212,4	146,8 427,2	145,7 476,3	155,9 423,25	157,7 432,9	138,4	423,6	755,6
Deuts	11h 0	213,4	146,8 427,2	145,7 476,3	155,9 423,25	157,7 432,9	138,4	423,6	755,6

10h 10 min
vén helyre

Balaton
vén
h₀ = 716
h₁ = 142
h₂ = 142

8 8,0
14,0
14,2

8,7
14,0
14,2

Erdelés ideje	Óra	Balatoni esetén	II sz.	III sz.	I sz.	III sz.	Fluoras		2000	
			esetén	esetén	esetén	esetén	1000	2000		
hűtés napj	12 h. 0	212,9	9,8 14,0 14,3	146,8 427,1	145,7 476,4	155,95 423,3	157,7 432,9	137,8	423,4	755,8
hűtés napj	1 h. 0	213,0	10,7 14,0 14,5	147,0 427,4	145,7 476,5	155,8 423,25	157,8 432,8	137,7	423,4	755,7
hűtés	2 h. 0	213,1	11,5 14,1 14,4	147,0 427,95	145,75 476,45	155,7 423,3	157,8 432,9	138,2	423,4	755,7
hűtés	3 h. 0	213,2	12,2 14,2 14,4	147,05 428,1	145,8 476,6	155,7 423,3	157,75 432,9	138,8	423,4	755,4
hűtés	4 h. 10	213,3	12,4 14,2 14,4	147,05 428,2	145,7 476,6	155,7 423,3	157,7 432,8	138,5	423,5	755,7
hűtés	5 h. 5	213,3	12,8 14,2 14,4	147,05 428,25	145,7 476,4	155,7 423,4	157,7 432,9	138,5	423,4	755,8
hűtés	6 h. 0	213,3	13,0 14,2 14,4	147,05 428,3	145,7 476,5	155,7 423,4	157,7 432,8	138,4	423,4	755,8
	7 h. 0	213,5	13,1 14,2 14,3	147,0 428,3	145,7 476,5	155,8 423,4	157,5 432,8	138,5	423,4	755,9
		213,6	13,5 14,0 14,4	147,05 428,25	145,5 476,5	155,8 423,2	157,2 432,7	138,0	423,5	755,7
hűtés napj	8 h. 50	213,6	13,6 14,0 14,0	147,0 428,05	145,7 476,2	155,8 423,3	157,35 432,7	138,7	423,4	755,7
hűtés napj	9 h. 30	213,3	13,3 14,2 14,2	147,0 427,9	145,6 476,4	155,9 423,3	157,6 432,7	138,4	423,4	755,7
hűtés napj	10 h. 0	210,8	20,0 14,8 14,4							
hűtés	10 h. 30	212,2	19,0 15,0 14,3							
hűtés	11 h. 0	212,8	18,2 15,0 14,4	147,0 427,9	145,7 476,4	156,0 423,3	157,6 432,7	138,5	423,5	755,7
hűtés	12 h. 0	213,5	16,6 15,0 14,3	147,1 428,1	145,7 476,4	155,8 423,3	157,7 432,7	138,6	423,4	755,7

MAGYAR
SZÖVEGNYELVÉNY-
AKADÉMIA
KÖNYVTÁRA

Eslelesi ido	Allás	Leohvasás	Temp.	Eslelesi ido	Allás	Leohvasás	Temp.
<u>XI. sz. állomás.</u>				<u>XIV. sz. állomás.</u>			
<u>jul. 9.</u>				<u>jul. 12.</u>			
7h 50m	I.	212.0	23.4	6h 5m	I.	212.2	23.65
9h 40m	II.	206.2	23.5	7h 55m	II.	203.75	23.8
11h 30m	III.	200.0	23.6	9h 45m	III.	199.6	23.8
1h 20m	IV.	191.0	23.65	11h 35m	IV.	193.05	23.8
3h 10m	V.	208.25	23.6	1h 25m	V.	211.35	23.9
5h 0m	I.	212.0	23.65	3h 15m	I.	212.35	24.0
<u>jul. 10.</u>				<u>jul. 12.</u>			
8h 45m	I.	212.0	23.4	5h 5m	II.	203.95	23.9
10h 35m	II.	206.2	23.5	6h 55m	III.	199.7	23.9
12h 25m	III.	200.1	23.5	8h 45m	IV.	193.1	23.8
2h 15m	IV.	191.05	23.5	10h 35m	V.	211.3	23.8
4h 5m	V.	208.3	23.5	<u>XIV. sz. felem. állomás.</u>			
5h 55m	I.	212.0	23.5	<u>jul. 13.</u>			
<u>XI. sz. felem. állomás.</u>				<u>jul. 13.</u>			
<u>jul. 11.</u>				<u>jul. 13.</u>			
6h 0m	I.	211.95	23.5	8h 45m	I.	210.65	23.7
7h 50m	II.	206.8	23.7	10h 35m	II.	203.3	23.8
9h 40m	III.	201.4	23.7	12h 25m	III.	199.0	23.8
11h 30m	IV.	191.45	23.7	2h 15m	IV.	190.95	23.9
1h 20m	V.	209.2	23.8	4h 5m	V.	209.4	23.9
3h 10m	I.	212.05	23.8	5h 55m	I.	210.8	23.9
5h 0m	II.	206.9	23.8	<u>jul. 14.</u>			
6h 50m	III.	201.35	23.8	9h 15m	I.	210.7	23.6
8h 40m	IV.	191.7	23.8	11h 5m	II.	203.3	23.8
10h 30m	V.	209.1	23.8	12h 55m	III.	198.95	23.8
				2h 45m	IV.	190.95	23.9
				4h 35m	V.	209.3	23.9
				6h 30m	I.	210.7	24.0

	Észlelési idő	allás	Sevhasás	Temp.	Észlelési idő	allás	Sevhasás	Temp.
	<u>XV. sz. állomás.</u>				<u>II. sz. állomás.</u>			
	jul. 16.				jul. 20.			
5	9h 0m	I	211.25	23.5	9h 0m	I	209.75	24.0
	10h 50m	II	203.25	23.5	10h 50m	II	208.95	23.9
	12h 40m	III	198.9	23.8	12h 40m	III	200.7	23.9
8	2h 35m	IV	192.0	23.7	2h 30m	IV	186.2	24.0
9	4h 25m	V	211.95	23.7	4h 20m	V	203.2	24.1
	6h 15m	I	211.3	23.7	6h 10m	I	209.95	24.1
	jul. 17.				jul. 21.			
9	9h 0m	I	211.2	23.4	8h 30m	I	209.9	24.0
8	10h 50m	II	203.25	23.6	10h 20m	II	209.0	24.0
8	12h 40m	III	199.0	23.6	12h 10m	III	200.8	24.0
	2h 30m	IV	191.95	23.6	2h 0m	IV	186.3	24.1
	4h 20m	V	211.85	23.6	3h 50m	V	203.2	24.1
	6h 10m	I	211.3	23.6	5h 40m	I	209.9	24.1
	<u>IV. sz. felem. állomás.</u>							
	jul. 18.							
	9h 0m	I	210.8	23.8				
	10h 50m	II	204.1	23.8				
9	12h 40m	III	200.05	24.0				
	2h 30m	IV	191.7	23.9				
6	4h 20m	V	211.05	23.9				
	6h 10m	I	211.0	23.9				
	jul. 19.							
	10h 10m	I	211.0	23.8				
	12h 30m	II	204.15	24.0				
0	2h 20m	III	200.25	24.1				
	4h 10m	IV	191.7	24.1				
	6h 0m	V	211.15	24.0				
	7h 50m	I	210.95	24.0				

Jds	Allas	Levhasas	Temp.	Jds	Allas	Levhasas	Temp.
<u>VI. sz. felem. allomas</u>				<u>VII. sz. felem. allomas</u>			
jun. 28.				jul. 4.			
6h 0m	I	211.15	23.1	6h 0m	I	213.1	23.3
7h 50m	II	208.1	23.1	7h 50m	II	209.45	23.35
9h 40m	III	200.95	23.25	9h 40m	III	203.3	23.35
11h 30m	IV	188.9	23.3	11h 30m	IV	191.05	23.4
1h 20m	V	205.0	23.5	1h 20m	V	206.65	23.4
3h 10m	I	211.3	23.5	3h 10m	I	213.2	23.5
5h 0m	II	208.2	23.5	5h 0m	II	209.6	23.5
6h 50m	III	201.0	23.5	6h 50m	III	203.25	23.5
8h 40m	IV	188.95	23.6	8h 40m	IV	191.05	23.6
10h 30m	V	205.0	23.5	10h 30m	V	206.7	23.55
<u>VII. sz. allomas</u>				<u>X. sz. allomas</u>			
jun. 30.				jul. 5.			
7h 45m	I	213.4	23.8	6h 0m	I	213.0	23.3
9h 35m	II	210.05	23.8	7h 50m	II	207.8	23.4
11h 25m	III	203.2	23.9	9h 40m	III	201.0	23.4
1h 15m	IV	190.75	23.9	11h 30m	IV	192.6	23.5
3h 5m	V	205.9	23.8	1h 20m	V	208.95	23.5
4h 55m	I	213.6	23.8	3h 10m	I	213.05	23.55
jul. 1.				5h 0m			
8h 20m	I	213.5	23.5	6h 50m	II	207.9	23.6
10h 10m	II	210.0	23.6	8h 40m	III	201.1	23.7
12h 0m	III	203.05	23.6	10h 30m	IV	192.8	23.7
1h 50m	IV	190.65	23.65		V	209.0	23.65
3h 40m	V	205.7	23.6				
5h 30m	I	213.55	23.6				

Jds allás Levegős Temp.

X. sz. felem. állomás

jul 6.

10h 0m	I	212.6	23.5
11h 50m	II	207.25	23.6
1h 40m	III	201.25	23.65
3h 30m	IV	191.7	23.6
5h 20m	V	208.3	23.65
7h 10m	I	212.4	23.8

jul 7.

9h 20m	I	212.6	23.5
11h 10m	II	207.35	23.5
1h 0m	III	201.15	23.5
2h 50m	IV	191.5	23.6
4h 40m	V	208.25	23.6
6h 30m	I	212.4	23.6

Almanac
 $\frac{h^2}{2} h' - h = 200.$

Almanac	$10^7 \frac{\partial^2 u}{\partial x^2}$	$10^7 \frac{\partial^2 u}{\partial y^2}$	$10^7 \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right)$	$10^7 \frac{\partial^2 u}{\partial x \partial y}$	$10^7 \left\{ \frac{\partial^2 u}{\partial z^2} \frac{\partial^2 u}{\partial x \partial z} \text{ C.S.S.} \right\}$	
					Estimate	Similar
$I'(\text{felso})$	+35,11	-66,52	+119,56	+16,99		
$I(\text{alsö})$	+42,60	-64,12	+119,67	+11,88	+0,247	+0,162
$f'(\text{felso})$	+34,94	-65,84	+90,63	+10,27		
$f(\text{alsö})$	+39,70	-65,90	+84,64	+10,79	+0,159	+0,185
$g'(\text{felso})$	+30,62	-63,87	+81,11	+0,67		
$g(\text{alsö})$	+36,42	-66,66	+81,71	-1,41	+0,193	+0,148

	$\left\{ 109 \frac{\partial}{\partial z} \frac{\partial u}{\partial y^2} \text{ C.S.S.} \right\}$	$\left\{ 109 \frac{\partial}{\partial z} \left(\frac{\partial u}{\partial y^2} - \frac{\partial u}{\partial x} \right) \text{ C.S.S.} \right\}$	$\left\{ 109 \frac{\partial}{\partial z} \frac{\partial u}{\partial x^2} \text{ C.S.S.} \right\}$			
z	Eckel	Spanitor	Eckel	Spanitor	Eckel	Spanitor
	+0,080	+0,132	+0,004	-0,100	-0,170	
	-0,002	-0,024	-0,200	-0,140	+0,017	
	-0,093	-0,013	+0,020		-0,069	

$$\frac{\partial}{\partial x} \left(\frac{\partial u}{\partial y^2} \right) = -0,028$$

$$\frac{\partial}{\partial y} \left(\frac{\partial u}{\partial x^2} \right) = -0,031$$

$$-0,019$$

$$-0,031$$

XX. sz. felem. állomás.jun. 20

9h 35m	I.	211.0	21.3
11h 25m	II.	204.2	21.35
1h 15m	III.	203.95	21.4
3h 5m	IV.	190.1	21.4
4h 55m	V.	216.0	21.5
6h 50m	I.	211.2	21.8

jun. 21

7h 50m	I.	211.1	21.6
9h 40m	II.	204.5	21.65
11h 30m	III.	203.8	21.7
1h 20m	IV.	190.1	21.8
3h 10m	V.	216.15	21.95
5h 0m	I.	211.25	22.0

9. sz. felem. állomás.jun 25.

6h 0m	I.	214.05	22.8
7h 50m	II.	209.6	22.6
9h 40m	III.	204.45	22.6
11h 30m	IV.	191.4	22.7
1h 20m	V.	206.4	22.75
3h 10m	I.	214.1	22.8
5h 0m	II.	209.65	22.9
6h 50m	III.	204.3	23.0
8h 40m	IV.	191.3	22.9
10h 30m	V.	206.3	22.9

XVII. sz. felem. állomásjun 22

7h 30m	I.	213.05	21.85
9h 20m	II.	202.1	22.0
1h 0m	III.	204.3	22.0
2h 50m	IV.	190.9	22.15
4h 40m	V.	211.9	22.1
6h 30m	I.	213.2	22.2

jun 23.

7h 45m	I.	213.25	22.0
9h 35m	II.	202.2	22.1
11h 25m	III.	204.5	22.2
1h 15m	IV.	190.95	22.35
3h 5m	V.	211.9	22.5
4h 55m	I.	213.3	22.6

VI. sz. állomás.jun 26.

7h 30m	I.	213.2	22.8
9h 20m	II.	211.05	22.8
11h 10m	III.	203.1	22.9
1h 0m	IV.	191.0	23.0
2h 50m	V.	206.6	23.0
4h 40m	I.	213.3	23.0

jun. 27.

8h 0m	I.	213.3	22.9
9h 50m	II.	211.0	23.0
11h 40m	III.	203.2	23.0
1h 30m	IV.	191.05	23.05
3h 20m	V.	206.7	23.0
5h 10m	I.	213.5	23.15

I. sz. fel. állomás, jun. 13

6h 0m	I.	207.25	20.0
7h 50m	II.	205.0	20.05
9h 40m	III.	200.35	20.1
11h 30m	IV.	182.75	20.1
1h 20m	V.	202.9	20.1
3h 10m	I.	207.3	20.1
5h 0m	II.	205.1	20.05
6h 50m	III.	200.3	20.05
8h 40m	IV.	182.8	20.1
10h 35m	V.	202.9	

XIII. sz. felem. állomás, jun. 18

6h 0m	I.	211.9	20.9
7h 50m	II.	204.95	20.9
9h 40m	III.	201.6	21.0
11h 30m	IV.	191.95	21.05
1h 20m	V.	211.2	21.0
3h 10m	I.	212.05	21.1
5h 0m	II.	205.15	21.0
6h 50m	III.	201.8	21.1
8h 40m	IV.	192.0	21.05
10h 45m	V.	211.25	20.95

IV. sz. felem. állomás,
jun. 15.

8h 15m	I.	214.2	20.0
10h 5m	II.	206.7	20.0
11h 55m	III.	203.9	20.1
1h 45m	IV.	190.65	20.05
3h 35m	V.	204.7	20.05
5h 25m	I.	214.2	20.0

jun 16.

9h 0m	I.	214.2	20.0
10h 50m	II.	206.75	20.0
12h 40m	III.	203.9	20.05
2h 30m	IV.	190.65	20.1
4h 20m	V.	204.6	20.05
6h 10m	I.	214.3	20.0

XVI. sz. felem. állomás
jun 19.

6h 0m	I.	209.8	21.0
7h 50m	II.	202.1	21.0
9h 40m	III.	200.6	21.1
11h 30m	IV.	188.9	21.1
1h 20m	V.	211.2	21.1
3h 10m	I.	210.0	21.1
5h 0m	II.	202.3	21.1
6h 50m	III.	200.6	21.1
8h 40m	IV.	188.8	21.2
1h 0m	V.	211.1	21.1

Balatoni eszköz

Jás	Allás	Levhasás	Temp.	Felső	Allás	Levhasás	Temp.
<u>XIII. sz. állomás</u>				<u>XX. sz. állomás</u>			
jun. 8.				jun. 11.			
9 ^h 40 ^m	I.	216'15	20'25	6 ^h 0 ^m	I.	199'2	20'0
11 ^h 30 ^m	II.	208'9	20'25	7 ^h 50 ^m	II.	191'05	20'0
1 ^h 14 ^m	III.	205'35	20'3	9 ^h 40 ^m	III.	189'4	20'0
2 ^h 57 ^m	IV.	197'85	20'3	11 ^h 30 ^m	IV.	177'3	20'0
4 ^h 40 ^m	V.	216'3	20'25	1 ^h 20 ^m	V.	204'6	20'0
6 ^h 25 ^m	I.	216'05	20'3	3 ^h 20 ^m	I.	199'3	20'0
8 ^h 10 ^m	II.	208'85	20'1	5 ^h 10 ^m	II.	191'2	20'0
11 ^h 50 ^m	III.	205'2	20'0	7 ^h 0 ^m	III.	189'5	20'0
1 ^h 40 ^m	IV.	197'7	20'0	8 ^h 50 ^m	IV.	177'3	20'0
3 ^h 30 ^m	V.	216'7	20'0	11 ^h 30 ^m	V.	204'4	20'0
<u>XVI. sz. állomás</u>				<u>XVII. sz. állomás</u>			
jun. 9.				jun. 12.			
7 ^h 30 ^m	I.	207'9	20'0	8 ^h 0 ^m	I.	208'25	20'0
9 ^h 20 ^m	II.	198'85	20'0	9 ^h 50 ^m	II.	196'4	20'0
11 ^h 10 ^m	III.	196'05	20'0	11 ^h 40 ^m	III.	199'8	20'2
1 ^h 0 ^m	IV.	186'2	20'0	1 ^h 30 ^m	IV.	187'4	20'25
2 ^h 50 ^m	V.	208'05	20'1	3 ^h 20 ^m	V.	207'9	20'2
4 ^h 40 ^m	I.	207'9	20'15	5 ^h 10 ^m	I.	208'35	20'15
6 ^h 30 ^m	II.	198'95	20'15	7 ^h 0 ^m	II.	196'3	20'2
8 ^h 20 ^m	III.	196'0	20'0	8 ^h 50 ^m	III.	199'7	20'0
10 ^h 10 ^m	IV.	186'05	20'0	10 ^h 40 ^m	IV.	187'3	20'0
12 ^h 0 ^m	V.	208'15	20'0	12 ^h 30 ^m	V.	207'8	20'0

$$\frac{\partial}{\partial x} \left(\frac{\partial^2 u}{\partial x^2} \right) = - \frac{\partial}{\partial x} \left(\frac{\partial^2 u}{\partial x^2} \right) - \frac{\partial}{\partial x} \left(\frac{\partial^2 u}{\partial y^2} \right) dx$$

$$\frac{\partial^2 u}{\partial y^2} - \frac{\partial^2 u}{\partial x^2} = ()$$

$$\frac{\partial^2 u}{\partial x^2} = \frac{\partial^2 u}{\partial y^2} - ()$$

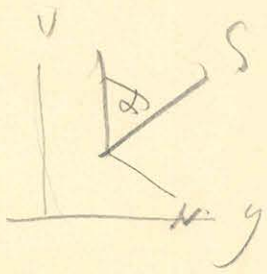
$$- \frac{\partial^2 u}{\partial x^2} = - \frac{\partial^2 u}{\partial y^2} + ()$$

$$\frac{\partial^2 u}{\partial x^2} = - 2 \frac{\partial^2 u}{\partial y^2} + ()$$

$$\frac{\partial}{\partial x} \frac{\partial^2 u}{\partial x^2} = - 2 \frac{\partial}{\partial x} \frac{\partial^2 u}{\partial y^2} + ()$$

$$\frac{\partial}{\partial x} \frac{\partial^2 u}{\partial x^2} = - 2 \frac{\partial}{\partial x} \frac{\partial^2 u}{\partial y^2} + \frac{\partial}{\partial x} ()$$

$$\left(\frac{\partial^2 u}{\partial x^2} \right)' - \left(\frac{\partial^2 u}{\partial y^2} \right)' = ()' - ()' - 2 \int \frac{\partial^2 u}{\partial y^2} dx$$



$$\left(\frac{\partial^2 u}{\partial x^2} \right)' - \left(\frac{\partial^2 u}{\partial y^2} \right)' = \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right) \cos \alpha - 2 \frac{\partial^2 u}{\partial y^2} \sin \alpha$$

$$\frac{\partial^2 u}{\partial x^2} = \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right) \frac{1}{\cos \alpha} + 2 \frac{\partial^2 u}{\partial y^2} \frac{\sin \alpha}{\cos \alpha}$$

$$\left(\frac{\partial^2 u}{\partial x^2} \right)' - \left(\frac{\partial^2 u}{\partial y^2} \right)' = \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right)' + \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right) + 2 \int \frac{\partial}{\partial x} \left(\frac{\partial^2 u}{\partial y^2} \right) dx$$

$$= \left\{ \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right)' - \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right) \right\} \cos \alpha - 2 \left\{ \left(\frac{\partial^2 u}{\partial x^2} \right)' - \left(\frac{\partial^2 u}{\partial y^2} \right)' \right\} \sin \alpha$$

$$- 2 \int \frac{\partial}{\partial x} \left(\frac{\partial^2 u}{\partial y^2} \right) dx$$

I láb léc hoz.

	$\frac{d_2}{d_1}$	higyelet mennyiség -0,28	g-2, g-	C. S. S. kem. 10 ³ g
2-1	-64,87	-65,09	1	0
3-2	-70,04	-70,32	2	-65,09
4-3	-68,94	-69,22	3	-135,41
5-4	-68,76	-69,04	4	-204,63
10-5	-30,09	-30,37	5	-273,67
15-10	-29,66	-29,94	10	-304,04
20-15	-11,34	-11,62	15	-333,98
25-20	+8,04	+7,76	20	-345,60
30-25	+14,25	+13,97	25	-337,84
29-30	+71,08	+70,80	20	-323,87
28-29	+64,37	+64,09	29	-253,07
27-28	+60,76	+60,48	28	-188,98
26-27	+56,08	+55,80	27	-128,50
21-26	-6,31	-6,59	26	-72,70
16-21	-3,44	-3,72	21	-79,29
11-16	+11,90	+11,62	16	-83,01
6-11	+31,05	+30,77	11	-71,39
1-6	+40,93	+40,65	6	-40,62
	+ 358,46	+355,94	1	+0,03
	- 353,39	-355,91		
	+ 5,07	+0,03		

$$\frac{5,07}{18} = 0,28$$

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

7-6	-62,49	6	-40,62	-40,62	-40,62
8-7	-66,57	7	-103,11	-62,37	-102,99
9-8	-66,95	8	-169,68	-66,45	-169,44
10-9	-67,88	9	-236,63	-66,83	-236,27
	<u>-67,88</u>			-67,76	
304,44 - 40,62	-263,89	10	-304,51	304,04	<u>263,41</u>
	-263,42				

22-27	-8,28	-8,72	27	-128,50
17-22	-6,31	-6,75	22	-137,22
12-17	+11,09	+10,65	17	-143,96
7-12	+30,94	+30,50	12	-133,31
2-7	+38,15	+37,71	7	-102,81
2-27 =	+65,59		2	-65,10

Direct 2-27 = +63,41

23-28	-10,77	-10,47	28	-188,98
18-23	-8,85	-8,55	23	-199,45
13-18	+9,56	+9,86	18	-208,00
8-13	+29,10	+29,40	13	-198,14
3-8	+33,04	+33,34	8	-168,74
3-28 =	+52,08		3	-135,40

Direct 2-28 = +53,57

24-29	-12,59	-12,77	29	-253,07
19-24	-8,58	-8,76	24	-265,84
14-19	+10,28	+10,10	19	-274,60
9-14	+29,25	+29,07	14	-264,50
4-9	+30,96	+30,78	9	-235,43
4-29 =	+49,92		4	-204,65

Direct 4-29 = +48,44

12-11	-62,76	-63,24	-62,28	11	-71,39
12-12	-65,91	-66,39	-65,43	12	-133,67
14-13	-66,59	-67,07	-66,11	12	-199,10
15-14	-69,24	-69,72	-68,76	14	-265,21
15-11 =	-264,50			15	-333,97
Sum 15-11	262,59				

17-16	-62,74	-61,68	16	-83,01
18-17	-65,77	-64,71	17	-144,69
19-18	-67,01	-65,95	18	-209,40
20-19	-71,33	-70,27	19	-275,35
20-16 =	-266,85		20	-345,62
Sum	-262,59			

22-21	-59,43	-58,78	21	-79,29
23-22	-63,42	-62,77	22	-138,07
24-23	-66,50	-65,85	22	-200,84
25-24	-71,81	-71,26	24	-266,69
25-21 =	-261,16	-258,84	25	-337,85
Sum	-258,55			
	261			
	65			

+43,895 - CS

I II III IV
-12,72,5 -4,148 +4,148 +12,420

- 87,78

+50,465
151395
75,698
+ 75,70

-66,
-100,20
-91,92
-83,64
-75,36

+75,705 $\frac{3}{4}$ CS

+16,56 +8,28 0 +8,28 -16,56

~~+25,220~~ $\frac{3}{4}$ CS

~~-25,220~~ $\frac{1}{4}$ CS

-75,705 + $\frac{3}{4}$ CS.

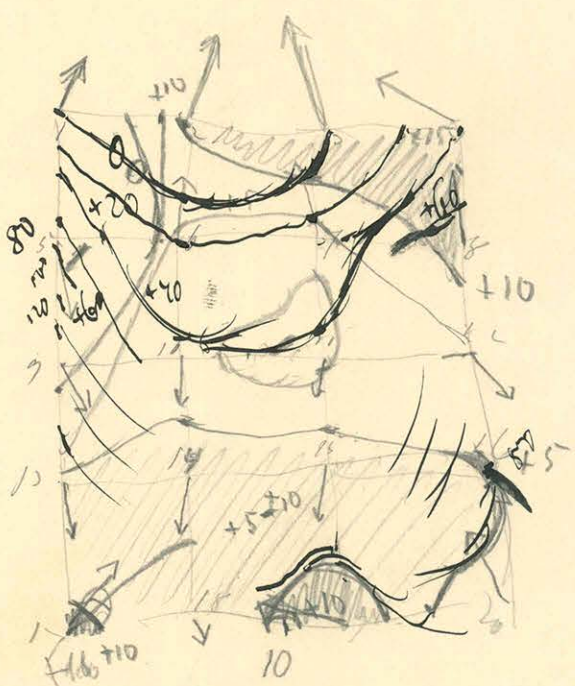
- 1 +8,94 +2,40
- 2 +16,04 +3,55
- 3 +18,98 +7,46
- 4 +6,06 +10,16
- 5 +20,12 +2,18
- 6 +8,55 +0,06
- 7 +8,09 +2,75
- 8 -1,14 +3,72
- 9 -5,55 +5,60
- 10 -5,10 -1,19
- 11 -4,26 -0,60
- 12 -8,47 +10,11
- 13 -12,85 +2,08
- 14 -12,02 -1,03
- 15 -10,24 -2,64
- 16 -6,87 +7,76
- 17 +6,40 +6,26
- 18 -2,73 +2,78
- 19 +0,41 -10,57
- 20 +15,89 -5,17.

1809
-9,20

(10,11) $\frac{24}{24}$ = -0,90 15,14

645
2205
15750
7175
11,18
5,59
2459
12,70
175
0,898

175
9,51
4,76
1316
272
9,44
4,72



428
786
2214

1571
786
345
+170

-25
64
1282

280
192

MAGYAR
TUDOMÁNYOS AKADEMIA
KÖNYVTÁRA

1019
510

+2521315
1,20 6,58

510
154
256
492
296

2707
13,54
154
1,508

$$\begin{aligned}
 \xi_1 - \xi_{26} &= +154,50 \text{ l} - 10k & \eta_5 - \eta_1 &= +502,68 \text{ l} - 8k \\
 2(\xi_2 - \xi_{27}) &= (+188,87 \text{ l} - 10k) \cdot 2 & 2(\eta_{10} - \eta_6) &= (+534,77 \text{ l} - 8k) \cdot 2 \\
 2(\xi_3 - \xi_{28}) &= (+215,03 \text{ l} - 10k) \cdot 2 & 2(\eta_{15} - \eta_{11}) &= (+540,27 \text{ l} - 8k) \cdot 2 \\
 2(\xi_4 - \xi_{29}) &= (+180,56 \text{ l} - 10k) \cdot 2 & 2(\eta_{20} - \eta_{16}) &= (+545,91 \text{ l} - 8k) \cdot 2 \\
 \xi_5 - \xi_{30} &= +132,63 \text{ l} - 10k & 2(\eta_{25} - \eta_{21}) &= (+547,64 \text{ l} - 8k) \cdot 2 \\
 \xi_7 - \xi_{37} &= +167,24 \text{ l} - 8k & \eta_{30} - \eta_{26} &= +531,41 \text{ l} - 8k \\
 2(\xi_8 - \xi_{38}) &= (+184,01 \text{ l} - 8k) \cdot 2 & \eta_{35} - \eta_{31} &= +369,74 \text{ l} - 6k \\
 2(\xi_{11} - \xi_{41}) &= (+180,95 \text{ l} - 8k) \cdot 2 & 2(\eta_{38} - \eta_{34}) &= (+387,44 \text{ l} - 6k) \cdot 2 \\
 \xi_{14} - \xi_{44} &= +148,97 \text{ l} - 8k & 2(\eta_{42} - \eta_{38}) &= (+391,79 \text{ l} - 6k) \cdot 2 \\
 & & 2(\eta_{47} - \eta_{43}) &= (+393,74 \text{ l} - 6k) \cdot 2 \\
 & & \eta_{52} - \eta_{48} &= +377,83 \text{ l} - 6k
 \end{aligned}$$

$$\xi = +2502,18 - \frac{108k}{128}$$

$$\xi' = +8764,78 - \frac{108k}{128}$$

alábbi hányadosok

$$\xi + \xi' = +11266,96 - 216k = +216k_0$$

$$k = -k_0 + 52,168 \text{ l}$$

$$2k = -2k_0 + 104,32 \text{ l}$$

$$3k = -3k_0 + 156,49 \text{ l}$$

$$4k = -4k_0 + 208,65 \text{ l}$$

$$5k = -5k_0 + 260,81 \text{ l}$$

$$2k_0 = \xi_1 - \xi_6 \text{ vagy } = \eta_6 - \eta_1 \text{ stb. a középértékükkel.}$$

	ξ'	η'		ξ'	η'
1	$\xi_0 - 173,74l + 5K_0$	$\eta_0 - 38,95l - 4K_0$	I	$\xi_0 - 121,58l + 4K_0$	$\eta_0 - 15,74l - 3K_0$
2	$\xi_0 - 152,79l + 5K_0$	$\eta_0 + 10,57l - 2K_0$	II	$\xi_0 - 106,31l + 4K_0$	$\eta_0 + 11,84l - K_0$
3	$\xi_0 - 130,11l + 5K_0$	$\eta_0 + 24,21l$	III	$\xi_0 - 97,25l + 4K_0$	$\eta_0 + 24,66l + K_0$
4	$\xi_0 - 125,28l + 5K_0$	$\eta_0 + 30,07l + 2K_0$	IV	$\xi_0 - 102,84l + 4K_0$	$\eta_0 + 41,02l + 3K_0$
5	$\xi_0 - 150,22l + 5K_0$	$\eta_0 + 46,43l + 4K_0$	V	$\xi_0 - 63,39l + 2K_0$	$\eta_0 - 25,89l - 3K_0$
6	$\xi_0 - 92,15l + 3K_0$	$\eta_0 - 42,66l - 4K_0$	VI	$\xi_0 - 55,36l + 2K_0$	$\eta_0 - 1,31l - K_0$
7	$\xi_0 - 87,97l + 3K_0$	$\eta_0 - 10,85l - 2K_0$	VII	$\xi_0 - 47,62l + 2K_0$	$\eta_0 + 24,66l + K_0$
8	$\xi_0 - 78,22l + 3K_0$	$\eta_0 + 13,17l$	VIII	$\xi_0 - 45,93l + 2K_0$	$\eta_0 + 48,57l + 3K_0$
9	$\xi_0 - 74,57l + 3K_0$	$\eta_0 + 32,64l + 2K_0$	IX	$\xi_0 - 15,24l$	$\eta_0 - 33,20l - 3K_0$
10	$\xi_0 - 80,58l + 3K_0$	$\eta_0 + 74,81l + 4K_0$	X	$\xi_0 - 5,68l$	$\eta_0 - 11,60l - K_0$
11	$\xi_0 - 46,64l + K_0$	$\eta_0 - 42,69l - 4K_0$	XI	$\xi_0 + 4,02l$	$\eta_0 + 21,01l + K_0$
12	$\xi_0 - 40,72l + K_0$	$\eta_0 - 20,90l - 2K_0$	XII	$\xi_0 + 11,94l$	$\eta_0 + 45,61l + 3K_0$
13	$\xi_0 - 31,32l + K_0$	$\eta_0 + 4,06l$	XIII	$\xi_0 + 43,24l - 2K_0$	$\eta_0 - 44,64l - 3K_0$
14	$\xi_0 - 25,17l + K_0$	$\eta_0 + 31,95l + 2K_0$	XIV	$\xi_0 + 54,39l - 2K_0$	$\eta_0 - 20,87l - K_0$
15	$\xi_0 - 23,95l + K_0$	$\eta_0 + 80,28l + 4K_0$	XV	$\xi_0 + 66,15l - 2K_0$	$\eta_0 - 1,67l + K_0$
0	ξ_0	η_0	XVI	$\xi_0 + 79,91l - 2K_0$	$\eta_0 + 36,12l + 3K_0$
16	$\xi_0 + 10,25l - K_0$	$\eta_0 - 52,40l - 4K_0$	XVII	$\xi_0 + 128,48l - 4K_0$	$\eta_0 - 49,65l - 3K_0$
17	$\xi_0 + 23,04l - K_0$	$\eta_0 - 29,88l - 2K_0$	XVIII	$\xi_0 + 126,98l - 4K_0$	$\eta_0 - 25,52l - K_0$
18	$\xi_0 + 32,99l - K_0$	$\eta_0 - 6,33l$	XIX	$\xi_0 + 139,10l - 4K_0$	$\eta_0 - 17,56l + K_0$
19	$\xi_0 + 44,19l - K_0$	$\eta_0 + 24,99l + 2K_0$	XX	$\xi_0 + 165,49l - 4K_0$	$\eta_0 + 15,20l + 3K_0$
20	$\xi_0 + 54,00l - K_0$	$\eta_0 + 76,21l + 4K_0$			
21	$\xi_0 + 76,62l - 3K_0$	$\eta_0 - 68,17l - 4K_0$			
22	$\xi_0 + 85,63l - 3K_0$	$\eta_0 - 35,93l - 2K_0$			
23	$\xi_0 + 93,11l - 3K_0$	$\eta_0 - 17,72l$			
24	$\xi_0 + 109,42l - 3K_0$	$\eta_0 + 9,87l + 2K_0$			
25	$\xi_0 + 129,77l - 3K_0$	$\eta_0 + 62,17l + 4K_0$			
26	$\xi_0 + 193,38l - 5K_0$	$\eta_0 - 73,84l - 4K_0$			
27	$\xi_0 + 179,86l - 5K_0$	$\eta_0 - 25,77l - 2K_0$			
28	$\xi_0 + 176,48l - 5K_0$	$\eta_0 - 21,89l$			
29	$\xi_0 + 205,78l - 5K_0$	$\eta_0 - 22,57l + 2K_0$			
30	$\xi_0 + 238,77l - 5K_0$	$\eta_0 + 40,27l + 4K_0$			

$$\xi_1 = \xi_0 + 87,07l - 5k \quad \eta_1 = \eta_0 - 247,60l + 4k$$

I	$\xi_1 + k$	$\eta_1 + 75,37l - k$	$\xi_0 + 87,07l - 4k$	$\eta_0 - 172,23l + 3k$
II	$\xi_1 + 15,27l + k$	$\eta_1 + 207,28l - 3k$	$\xi_0 + 102,34l - 4k$	$\eta_0 - 40,32l + k$
III	$\xi_1 + 24,33l + k$	$\eta_1 + 324,42l - 5k$	$\xi_0 + 111,40l - 4k$	$\eta_0 + 76,82l - k$
IV	$\xi_1 + 18,74l + k$	$\eta_1 + 445,11l - 7k$	$\xi_0 + 105,81l - 4k$	$\eta_0 + 197,51l - 3k$
V	$\xi_1 - 46,14l + 3k$	$\eta_1 + 65,22l - k$	$\xi_0 + 40,93l - 2k$	$\eta_0 - 182,38l + 3k$
VI	$\xi_1 - 38,11l + 3k$	$\eta_1 + 194,13l - 3k$	$\xi_0 + 48,96l - 2k$	$\eta_0 - 53,47l + k$
VII	$\xi_1 - 30,37l + 3k$	$\eta_1 + 320,77l - 5k$	$\xi_0 + 56,70l - 2k$	$\eta_0 + 73,17l - k$
VIII	$\xi_1 - 28,68l + 3k$	$\eta_1 + 452,66l - 7k$	$\xi_0 + 58,39l - 2k$	$\eta_0 + 205,06l - 3k$
IX	$\xi_1 - 102,31l + 5k$	$\eta_1 + 57,91l - k$	$\xi_0 - 15,24l$	$\eta_0 - 189,69l + 3k$
X	$\xi_1 - 92,75l + 5k$	$\eta_1 + 183,84l - 3k$	$\xi_0 - 5,68l$	$\eta_0 - 63,76l + k$
XI	$\xi_1 - 83,05l + 5k$	$\eta_1 + 313,62l - 5k$	$\xi_0 + 4,02l$	$\eta_0 + 66,02l - k$
XII	$\xi_1 - 75,13l + 5k$	$\eta_1 + 449,70l - 7k$	$\xi_0 + 11,94l$	$\eta_0 + 202,10l - 3k$
XIII	$\xi_1 - 148,15l + 7k$	$\eta_1 + 46,47l - k$	$\xi_0 - 61,08l + 2k$	$\eta_0 - 201,13l + 3k$
XIV	$\xi_1 - 137,00l + 7k$	$\eta_1 + 174,57l - 3k$	$\xi_0 - 49,93l + 2k$	$\eta_0 - 73,03l + k$
XV	$\xi_1 - 125,24l + 7k$	$\eta_1 + 301,43l - 5k$	$\xi_0 - 38,17l + 2k$	$\eta_0 + 53,83l - k$
XVI	$\xi_1 - 111,48l + 7k$	$\eta_1 + 440,21l - 7k$	$\xi_0 - 24,41l + 2k$	$\eta_0 + 192,61l - 3k$
XVII	$\xi_1 - 167,24l + 9k$	$\eta_1 + 41,46l - k$	$\xi_0 - 80,17l + 4k$	$\eta_0 - 206,14l + 3k$
XVIII	$\xi_1 - 168,74l + 9k$	$\eta_1 + 169,92l - 3k$	$\xi_0 - 81,67l + 4k$	$\eta_0 - 77,68l + k$
XIX	$\xi_1 - 156,62l + 9k$	$\eta_1 + 282,20l - 5k$	$\xi_0 - 69,55l + 4k$	$\eta_0 + 34,60l - k$
XX	$\xi_1 - 130,23l + 9k$	$\eta_1 + 419,29l - 7k$	$\xi_0 - 43,16l + 4k$	$\eta_0 + 171,69l - 3k$

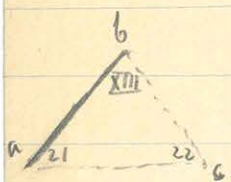
	ξ	η		
			$\xi_1 = \xi_0 + 87,07l - 5k$	$\eta_1 = \eta_0 - 247,60l + 4k$
1,	$\xi_1 - 1,95l$	η_1	$\xi_0 + 87,07l - 5k$	$\eta_0 - 247,60l + 4k$
2,	$\xi_1 + 20,95l$	$\eta_1 + 153,85l - 2k$	$\xi_0 + 108,02l - 5k$	$\eta_0 - 93,75l + 2k$
3,	$\xi_1 + 43,63l$	$\eta_1 + 271,81l - 4k$	$\xi_0 + 130,70l - 5k$	$\eta_0 + 24,21l$
4,	$\xi_1 + 48,46l$	$\eta_1 + 387,99l - 6k$	$\xi_0 + 135,53l - 5k$	$\eta_0 + 134,39l - 2k$
5,	$\xi_1 + 23,52l$	$\eta_1 + 502,68l - 8k$	$\xi_0 + 110,59l - 5k$	$\eta_0 + 255,08l - 4k$
6,	$\xi_1 - 22,73l + 2k$	$\eta_1 - 3,71l$	$\xi_0 + 64,34l - 3k$	$\eta_0 - 251,31l + 4k$
7,	$\xi_1 - 18,55l + 2k$	$\eta_1 + 132,43l - 2k$	$\xi_0 + 68,52l - 3k$	$\eta_0 - 115,17l + 2k$
8,	$\xi_1 - 8,80l + 2k$	$\eta_1 + 260,77l - 4k$	$\xi_0 + 78,27l - 3k$	$\eta_0 + 13,17l$
9,	$\xi_1 - 5,15l + 2k$	$\eta_1 + 384,56l - 6k$	$\xi_0 + 81,92l - 3k$	$\eta_0 + 136,96l - 2k$
10,	$\xi_1 - 11,16l + 2k$	$\eta_1 + 531,06l - 8k$	$\xi_0 + 75,91l - 3k$	$\eta_0 + 283,46l - 4k$
11,	$\xi_1 - 87,55l + 4k$	$\eta_1 - 3,74l$	$\xi_0 + 5,52l - k$	$\eta_0 - 251,34l + 4k$
12,	$\xi_1 - 75,65l + 4k$	$\eta_1 + 122,38l - 2k$	$\xi_0 + 11,42l - k$	$\eta_0 - 125,22l + 2k$
13,	$\xi_1 - 66,23l + 4k$	$\eta_1 + 251,66l - 4k$	$\xi_0 + 20,84l - k$	$\eta_0 + 4,06l$
14,	$\xi_1 - 60,08l + 4k$	$\eta_1 + 383,87l - 6k$	$\xi_0 + 26,99l - k$	$\eta_0 + 136,27l - 2k$
15,	$\xi_1 - 58,86l + 4k$	$\eta_1 + 536,53l - 8k$	$\xi_0 + 28,21l - k$	$\eta_0 + 288,93l - 4k$
16,	$\xi_1 - 128,98l + 6k$	$\eta_1 - 13,45$	$\xi_0 - 41,91l + k$	$\eta_0 - 261,05l + 4k$
17,	$\xi_1 - 116,19l + 6k$	$\eta_1 + 113,40l - 2k$	$\xi_0 - 29,12l + k$	$\eta_0 - 134,20l + 2k$
18,	$\xi_1 - 106,27l + 6k$	$\eta_1 + 241,27l - 4k$	$\xi_0 - 19,17l + k$	$\eta_0 - 6,33l$
19,	$\xi_1 - 95,04l + 6k$	$\eta_1 + 376,91l - 6k$	$\xi_0 - 7,97l + k$	$\eta_0 + 129,31l - 2k$
20,	$\xi_1 - 85,23l + 6k$	$\eta_1 + 532,46l - 8k$	$\xi_0 + 1,84l + k$	$\eta_0 + 284,86l - 4k$
21,	$\xi_1 - 166,95l + 8k$	$\eta_1 - 29,22l$	$\xi_0 - 79,87l + 3k$	$\eta_0 - 276,82l + 4k$
22,	$\xi_1 - 157,93l + 8k$	$\eta_1 + 107,35l - 2k$	$\xi_0 - 70,86l + 3k$	$\eta_0 - 140,25l + 2k$
23,	$\xi_1 - 150,45l + 8k$	$\eta_1 + 229,88l - 4k$	$\xi_0 - 63,38l + 3k$	$\eta_0 - 17,72l$
24,	$\xi_1 - 134,14l + 8k$	$\eta_1 + 361,79l - 6k$	$\xi_0 - 47,07l + 3k$	$\eta_0 + 114,19l - 2k$
25,	$\xi_1 - 113,79l + 8k$	$\eta_1 + 518,42l - 8k$	$\xi_0 - 26,72l + 3k$	$\eta_0 + 270,82l - 4k$
26,	$\xi_1 - 154,50l + 10k$	$\eta_1 - 34,89l$	$\xi_0 - 67,43l + 5k$	$\eta_0 - 282,49l + 4k$
27,	$\xi_1 - 168,02l + 10k$	$\eta_1 + 117,51l - 2k$	$\xi_0 - 80,95l + 5k$	$\eta_0 - 130,09l + 2k$
28,	$\xi_1 - 171,40l + 10k$	$\eta_1 + 225,71l - 4k$	$\xi_0 - 84,33l + 5k$	$\eta_0 - 21,89l$
29,	$\xi_1 - 142,10l + 10k$	$\eta_1 + 329,35l - 6k$	$\xi_0 - 55,03l + 5k$	$\eta_0 + 81,75l - 2k$
30,	$\xi_1 - 109,11l + 10k$	$\eta_1 + 496,52l - 8k$	$\xi_0 - 22,04l + 5k$	$\eta_0 + 248,92l - 4k$

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$B_c + B_a$ $A_b + A_c$ $\frac{1}{2}(B_c + B_a)$ $\frac{1}{4}(A_b + A_c)$ ξ_{bc} η_{bc}

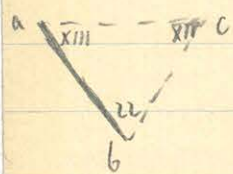
$$\xi_{21 \times III} = +18,80 - K$$

$$\eta_{21 \times III} = +75,69 - K$$

 $+18,04$ $+189,45$ $+9,02$ $+47,36$

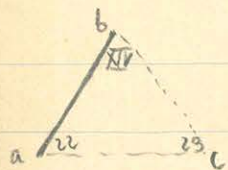
$$\xi_{XIII 22} = -9,78 + K$$

$$\eta_{XIII 22} = +57,14 - K$$

 $+22,29$ $+181,91$ $+11,15$ $+45,48$

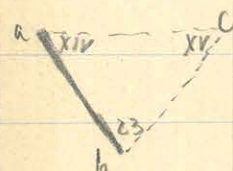
$$\xi_{22 \times XIV} = +20,93 - K$$

$$\eta_{22 \times XIV} = +66,41 - K$$

 $+14,96$ $+169,29$ $+7,48$ $+42,32$

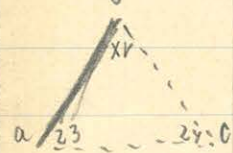
$$\xi_{XIV 23} = -13,45 + K$$

$$\eta_{XIV 23} = +55,77 - K$$

 $+23,51$ $+177,57$ $+11,76$ $+44,39$

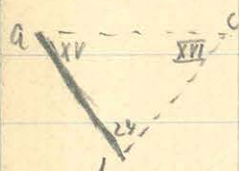
$$\xi_{23 \times XV} = +24,21 - K$$

$$\eta_{23 \times XV} = +66,60 - K$$

 $+32,61$ $+206,18$ $+16,31$ $+51,55$

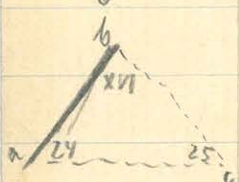
$$\xi_{XV 24} = -7,90 + K$$

$$\eta_{XV 24} = +59,45 - K$$

 $+27,51$ $+230,27$ $+13,76$ $+57,57$

$$\xi_{24 \times XVI} = +21,66 - K$$

$$\eta_{24 \times XVI} = +79,23 - K$$

 $+40,70$ $+266,45$ $+20,35$ $+66,61$

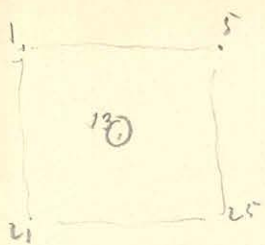
$$\xi_{XVI 25} = -1,31 + K$$

$$\eta_{XVI 25} = +67,92 - K$$

$$\xi_{21 25} = +54,476$$

$$\eta_{21 25} = +528,21 - 8K$$

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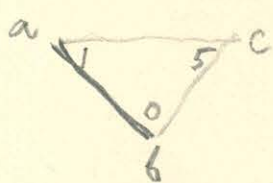


maximum

$$A_0 + B_0 = 799,011$$

$$\xi_{10} = K$$

$$\eta_{10} = +199,75 - K$$



$$B_c + B_a = +47,07 \quad \frac{1}{2} = +23,54$$

$$A_b + A_c = +657,44 \quad \frac{1}{4} = +164,36$$

~~$$\xi_{05} = +175,21 - K$$~~

$$\xi_{05} = +23,54 - K$$

$$\eta_{05} = +187,80 - K$$



$$B_c + B_a = -31,48 \quad \frac{1}{2} = -15,74$$

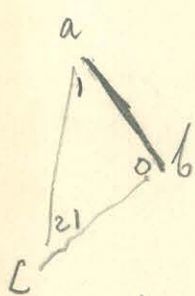
$$A_b + A_c = +789,26 \quad \frac{1}{4} = +197,32$$

$$\xi_{025} = -6,22 + K$$

$$\eta_{025} = +203,54 - K$$

$$\xi_{1,25} = -6,22 + 2K$$

$$\eta_{1,25} = +403,29 - 2K$$

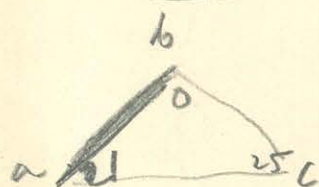


$$B_c + B_a = +58,62 \quad \frac{1}{2} = +29,31$$

$$A_b + A_c = +664,32 \quad \frac{1}{4} = 167,33$$

$$\xi_{0,21} = -61,76 + K$$

$$\eta_{0,21} = -229,06 + K$$



$$B_c + B_a = +106,31 \quad \frac{1}{2} = +53,16$$

$$A_b + A_c = +789,26 \quad \frac{1}{4} = +197,32$$

$$\xi_{0,25} = -8,60 + K$$

$$\eta_{0,25} = +205,92 - K$$

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$$\xi_{1,25} = -8,60 + 2K$$

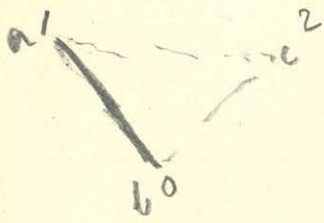
$$\eta_{1,25} = +405,67 - 2K$$

$$A_1 + M_0 = 301,49$$

$$75,37$$

$$\xi_{10} = K$$

$$\eta_{10} = +75,37 - K$$



$$B_c + B_a = +41,89$$

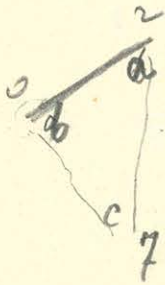
$$\frac{1}{2} = +20,95$$

$$\xi_{02} = +20,95 - K$$

$$M_b + M_c = +230,12$$

$$\frac{1}{4} = +57,53$$

$$\eta_{02} = +78,48 - K$$



$$B_c + B_a = +42,84$$

$$\frac{1}{2} = +21,42$$

$$\xi_{09} = -5,98 + K$$

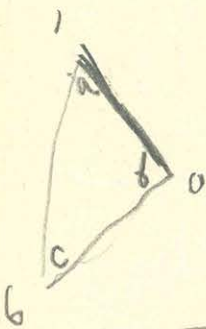
$$M_b + M_c = +204,31$$

$$\frac{1}{4} = +51,08$$

$$\eta_{07} = +57,06 - K$$

$$\xi_{17} = -5,98 + 2K$$

$$\eta_{17} = +132,43 - 2K$$



$$B_c + B_a = +71,41$$

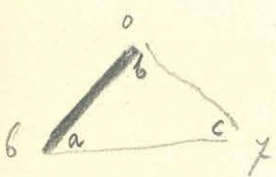
$$\frac{1}{2} = +3,71$$

$$\xi_{06} = -22,73 + K$$

$$M_b + M_c = +225,41$$

$$\frac{1}{4} = +56,35$$

$$\eta_{06} = -79,08 + K$$



$$B_c + M_a = +8,36$$

$$\frac{1}{2} = +4,18$$

$$\xi_{07} = -14,37 + K$$

$$M_b + M_c = +204,21$$

$$\frac{1}{4} = +51,08$$

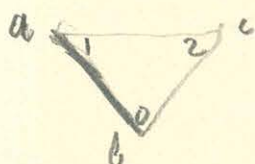
$$\eta_{07} = +65,45 - K$$

$$\xi_{17} = -14,37 + 2K$$

$$\eta_{17} = +120,82 - 2K$$

Ⓐ	Ⓘ	1	2
7	höz	0	
Ⓔ	Ⓝ	5	6

$$A_1 + A_0 = 204,21$$



$$B_c + B_a = +30,53 \quad \frac{1}{2} = +15,27$$

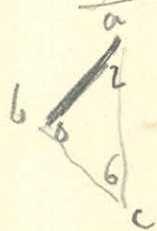
$$A_b + A_c = +165,21 \quad \frac{1}{4} = +41,30$$

$$\xi_{10} = k$$

$$\eta_{10} = +51,081 - k$$

$$\xi_{02} = +15,27k - k$$

$$\eta_{02} = +56,57k - k$$



$$B_c + B_a = +26,29 \quad \frac{1}{2} = +13,15$$

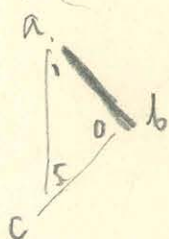
$$A_b + A_c = +154,27 \quad \frac{1}{4} = +38,57$$

$$\xi_{06} = -4,85 + k$$

$$\eta_{06} = +43,42k - k$$

$$\xi_{16} = -4,85 + 2k$$

$$\eta_{16} = +94,50k - 2k$$

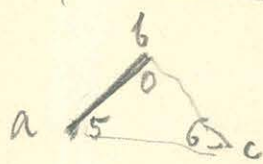


$$B_c + B_a = +20,30 \quad \frac{1}{2} = +10,15$$

$$A_b + A_c = +160,98 \quad \frac{1}{4} = +40,25$$

$$\xi_{05} = -20,98 + k$$

$$\eta_{05} = -61,23 + k$$



$$B_c + B_a = +16,06 \quad \frac{1}{2} = +8,03$$

$$A_b + A_c = +154,27 \quad \frac{1}{4} = +38,57$$

$$\xi_{06} = -12,95 + k$$

$$\eta_{06} = +51,52 - k$$

$$\xi_{16} = -12,95 + 2k$$

$$\eta_{16} = +102,60 - 2k$$



$$k=1 \quad a=2$$

3

$$2 \int_0^1 dx \sqrt{x}$$

$\frac{1}{2}$

$$\int_0^1 dx \left(\frac{1}{\sqrt{x}} + \frac{1}{\sqrt{x}} \right)$$

$$\frac{dx}{x^2}$$

$$2 \int_0^1 dx \sqrt{x}$$

$$2 \int_0^1 dx \left(\frac{1}{\sqrt{x}} - \frac{1}{3\sqrt{x}} \right)$$

$$\frac{24}{26}$$

$$2 \int_0^1 dx \frac{4}{8} + 6 \frac{1}{32} \frac{4}{3} =$$

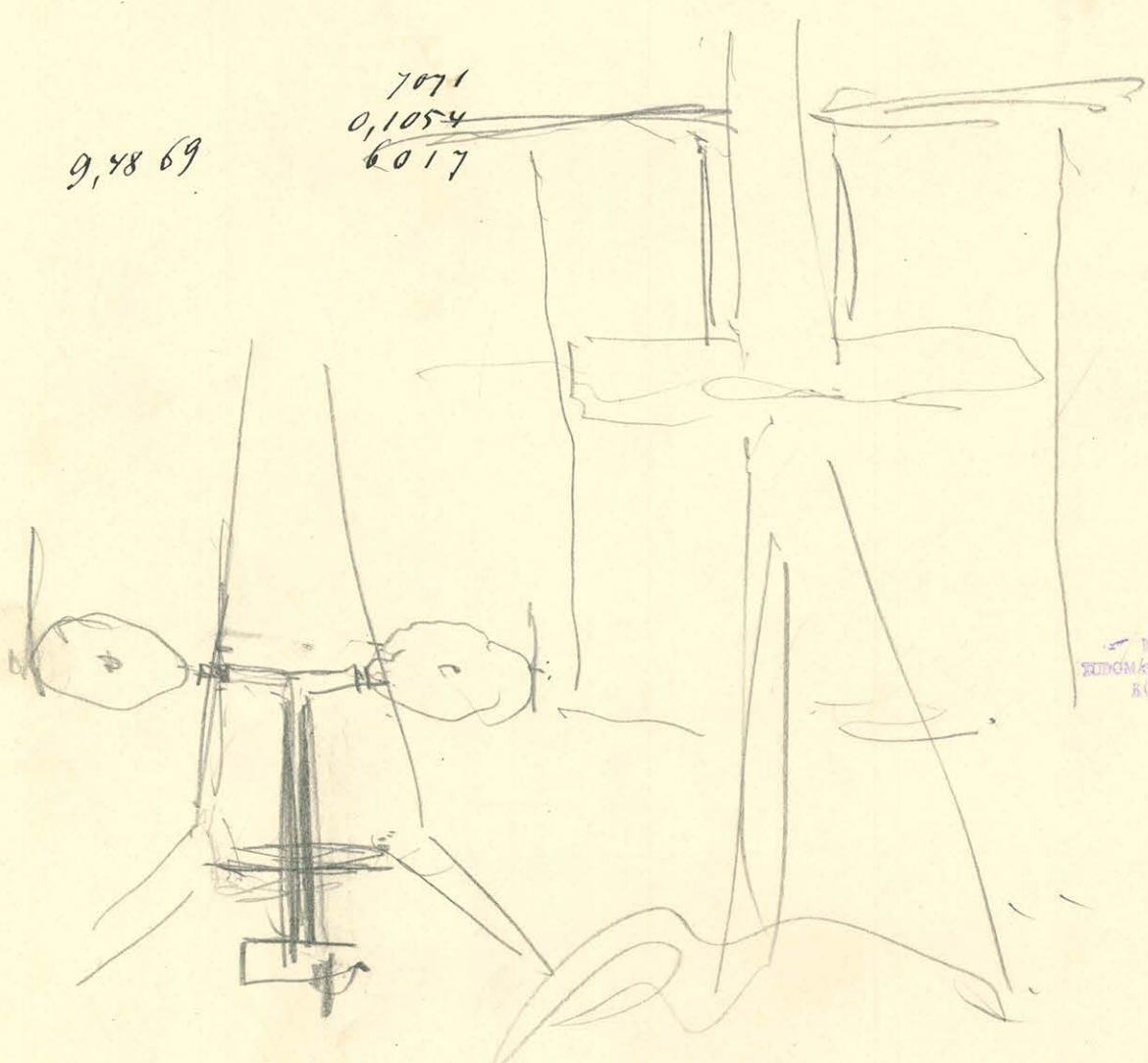
$$2 \int_0^1 dx \left(\frac{1}{2} + \frac{1}{8} \right) = 0,75 \quad 0,625$$

$$2 \int_0^1 dx \approx 0,625$$

maish $2 \int_0^1 dx (0,602$

9,48 69

7071
0,1054
6017

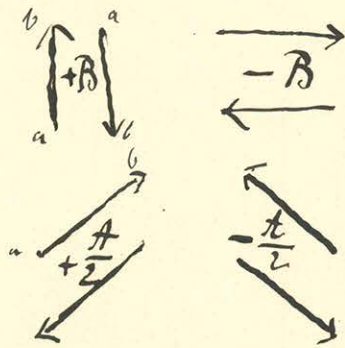


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SUDJANAYOS AKADEMI
KONKRYARA

$$A = 10^9 \left(\frac{\partial^2 U}{\partial y^2} - \frac{\partial^2 U}{\partial x^2} \right)$$

$$B = 10^9 \frac{\partial^2 U}{\partial x \partial y}$$

$\frac{\partial U}{\partial \alpha}$ értékei



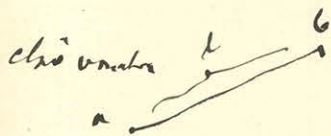
$$\xi_{ab} = \left(\frac{\partial U}{\partial \xi} \right)_b - \left(\frac{\partial U}{\partial \xi} \right)_a$$

$$T_{ab} = \frac{1}{2} \left\{ \left(\frac{\partial U}{\partial \alpha} \right)_a + \left(\frac{\partial U}{\partial \alpha} \right)_b \right\} \delta_{ab} = -\xi_{ab} \sin \alpha_{ab} + \eta_{ab} \cos \alpha_{ab}$$

Általános
formulák

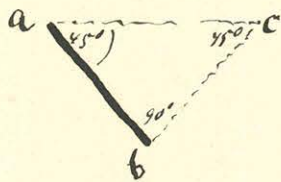
$$\xi_{bc} = \frac{T_{bc} \cos \alpha_{ca} + (T_{ca} - \xi_{ab} \sin \alpha_{ca} + \eta_{ab} \cos \alpha_{ca}) \cos \alpha_{bc}}{\sin(\alpha_{ca} - \alpha_{cb})}$$

$$\eta_{bc} = \frac{T_{bc} \sin \alpha_{ca} + (T_{ca} - \xi_{ab} \sin \alpha_{ca} + \eta_{ab} \cos \alpha_{ca}) \sin \alpha_{bc}}{\sin(\alpha_{ca} - \alpha_{cb})}$$



$$\xi_{ab} = k$$

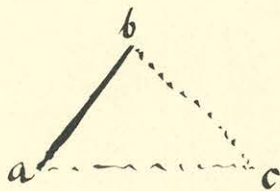
$$\eta_{ab} = \frac{1}{4} (A_a + A_b) l - k$$



$$\xi_{bc} = +\frac{1}{2} (B_c + B_a) l - \xi_{ab}$$

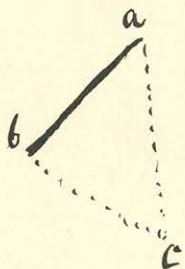
$$\eta_{bc} = +\frac{1}{4} (A_b + A_c) l + \xi_{bc}$$

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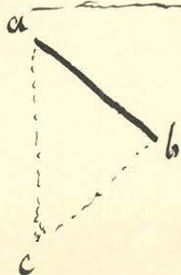
$$\xi_{bc} = +\frac{1}{2} (B_c + B_a) l - \xi_{ab}$$

$$\eta_{bc} = +\frac{1}{4} (A_b + A_c) l - \xi_{bc}$$



$$\xi_{bc} = +\frac{1}{4} (A_b + A_c) l - \eta_{bc}$$

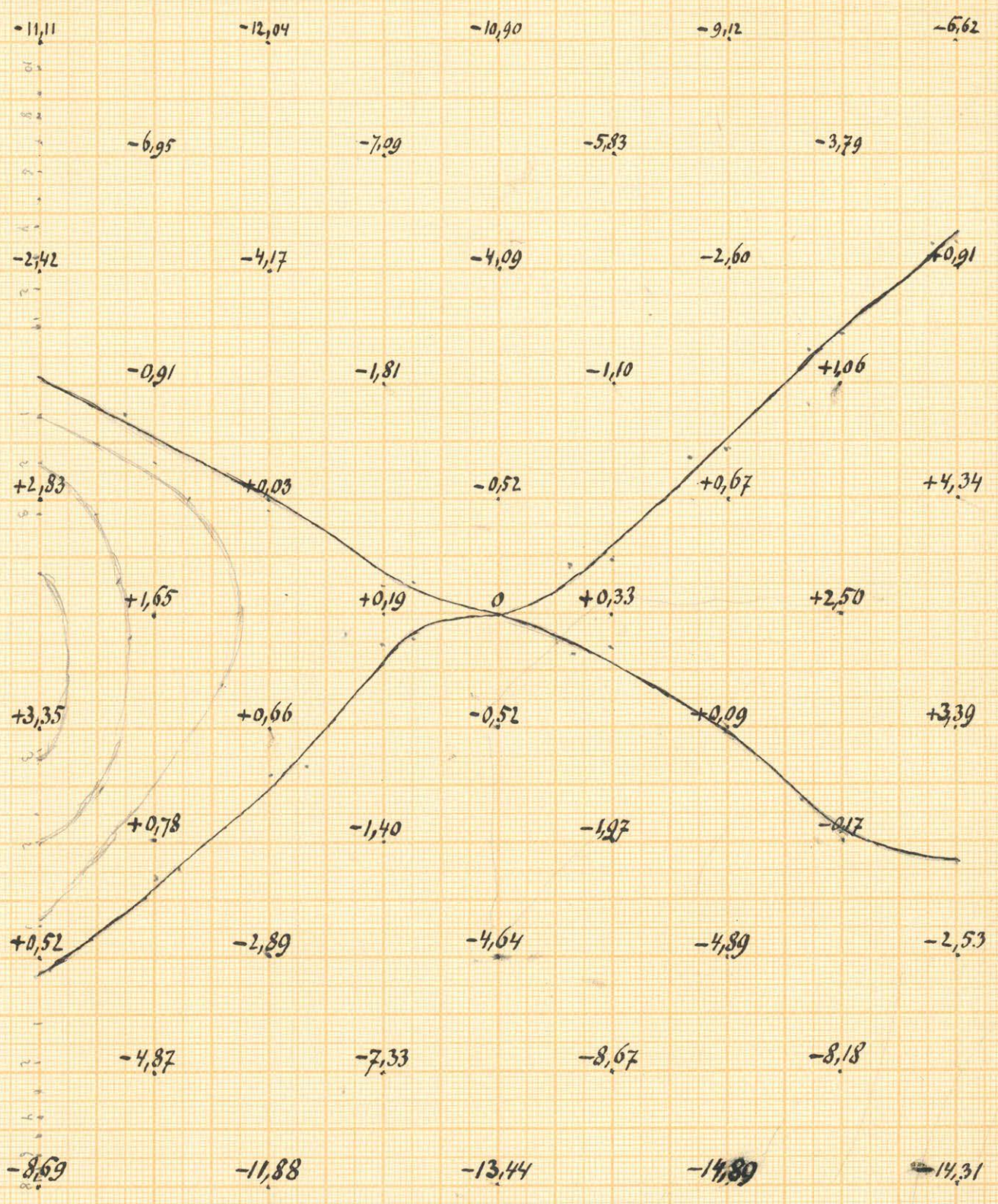
$$\eta_{bc} = -\frac{1}{2} (B_c + B_a) l - \eta_{ab}$$



$$\xi_{bc} = +\frac{1}{4} (A_b + A_c) l + \eta_{bc}$$

$$\eta_{bc} = -\frac{1}{2} (B_c + B_a) l - \eta_{ab}$$

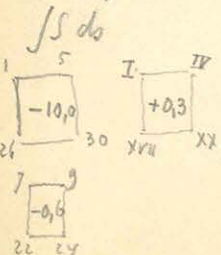
1
100000
mit Winkel 45° in 8 mm 1/2

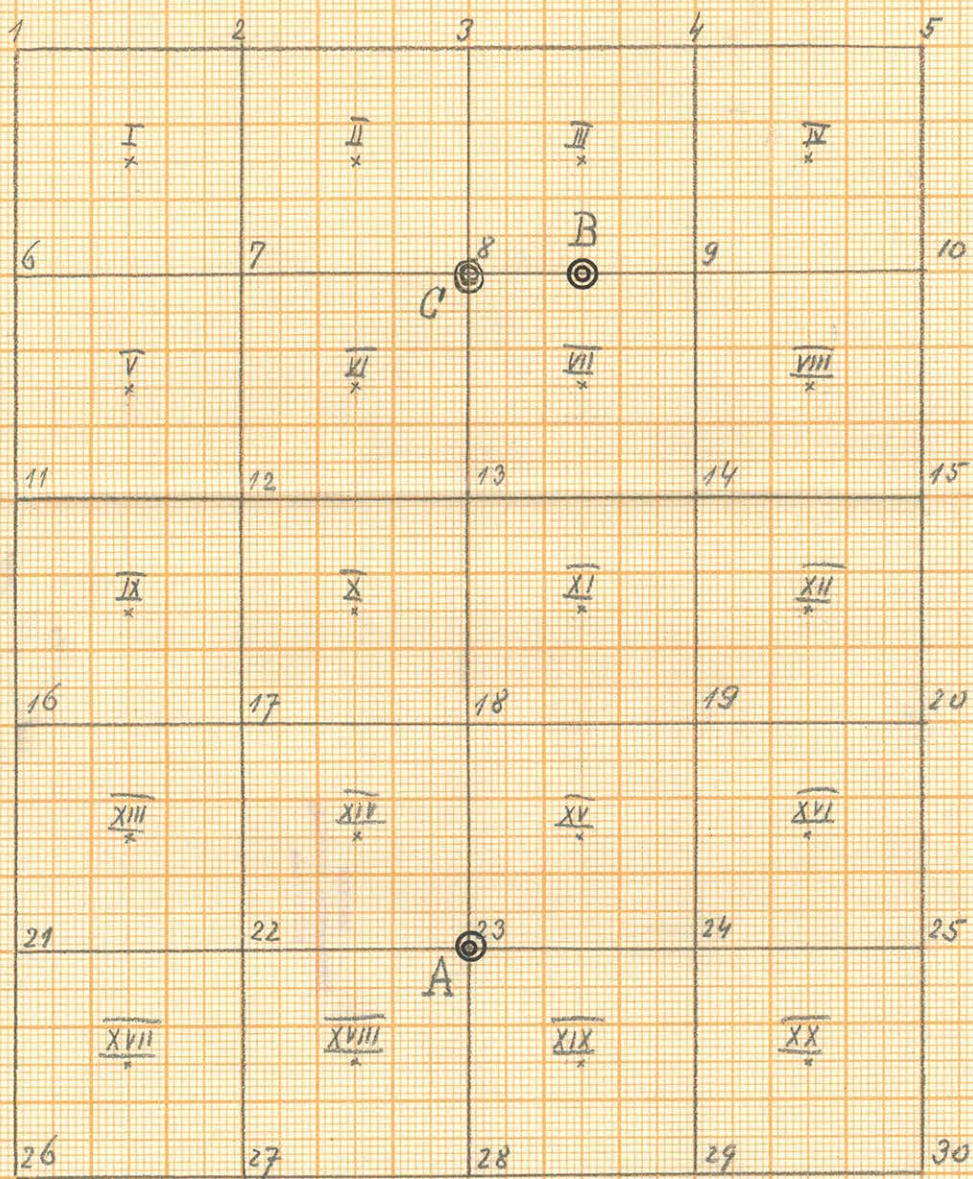


Spalten für die Werte mit der Größe a für die "höchste" Größe

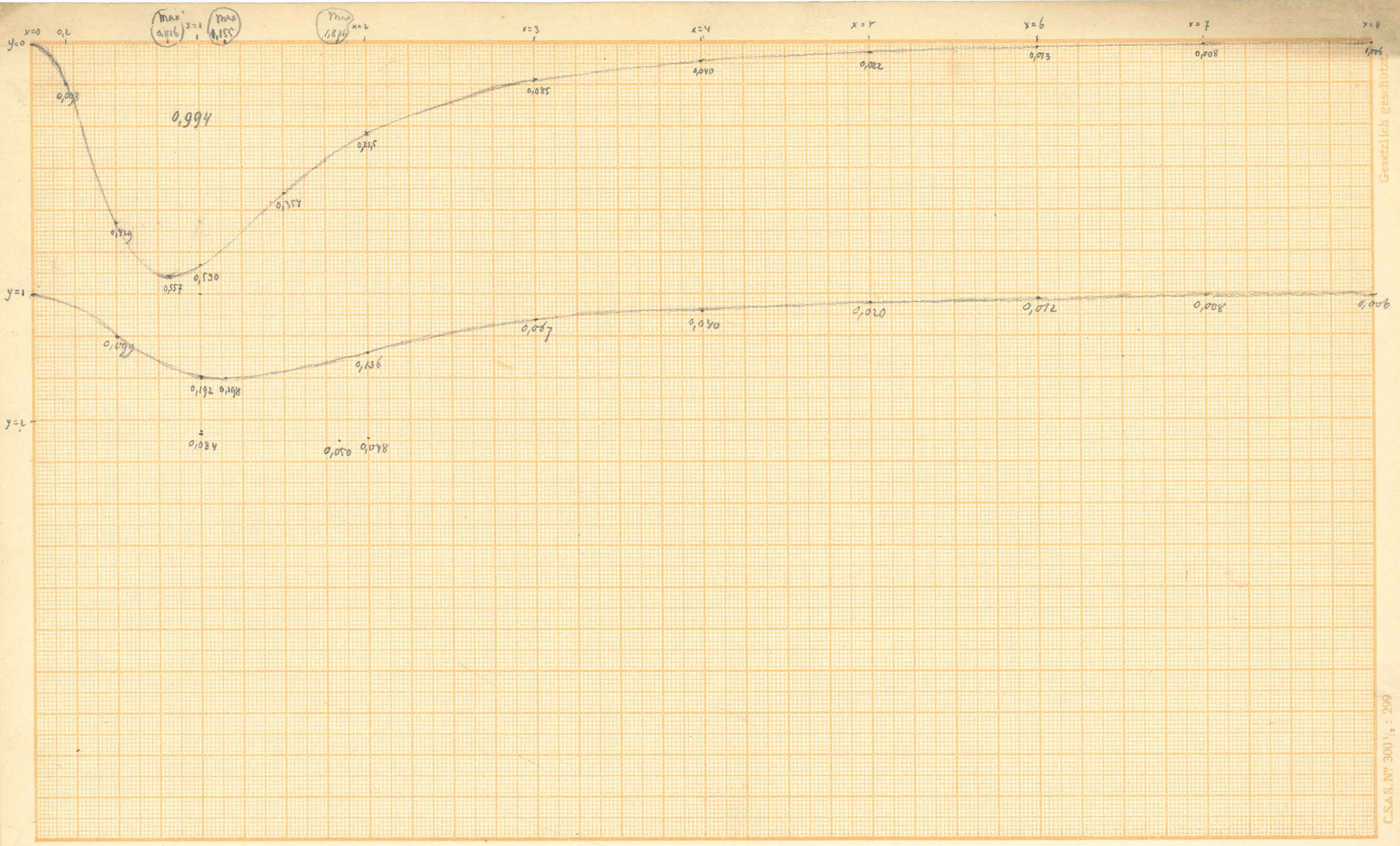
$\xi = -173,7$ $\eta = -39,0$	-152,8 +10,6	-130,1 +24,2	-125,3 +30,1	-150,2 +46,4	
	-121,6 -15,7	-106,3 +11,8	-97,3 +24,7	-102,8 +41,0	
-92,2 -42,7	-88,0 -10,9	-78,2 +13,2	-74,6 +32,6	-80,6 +74,8	
	-63,4 -25,9	-55,4 -1,3	-47,6 +24,7	-45,9 +48,6	
-46,6 -42,7	-40,7 -20,9	-31,3 +4,1	-25,2 +32,0	-24,0 +80,3	
	-15,2 -33,2	-5,7 -11,6	0 0	+4,0 +21,0	+11,9 +45,6
+10,3 -52,4	+23,0 -29,9	+33,0 -6,3	+44,2 +25,0	+54,0 +76,2	
	+43,2 -44,6	+54,4 -20,9	+66,2 -11,7	+79,9 +36,1	
+76,6 -68,2	+85,6 -35,9	+93,1 -17,7	+109,4 +9,9	+129,8 +62,2	
	+128,5 -49,7	+127,0 -25,5	+139,1 -17,6	+163,5 +15,2	
+193,4 -73,8	+179,9 -25,8	+176,5 -21,9	+205,8 -22,6	+238,8 +40,3	

Man kann prüfen



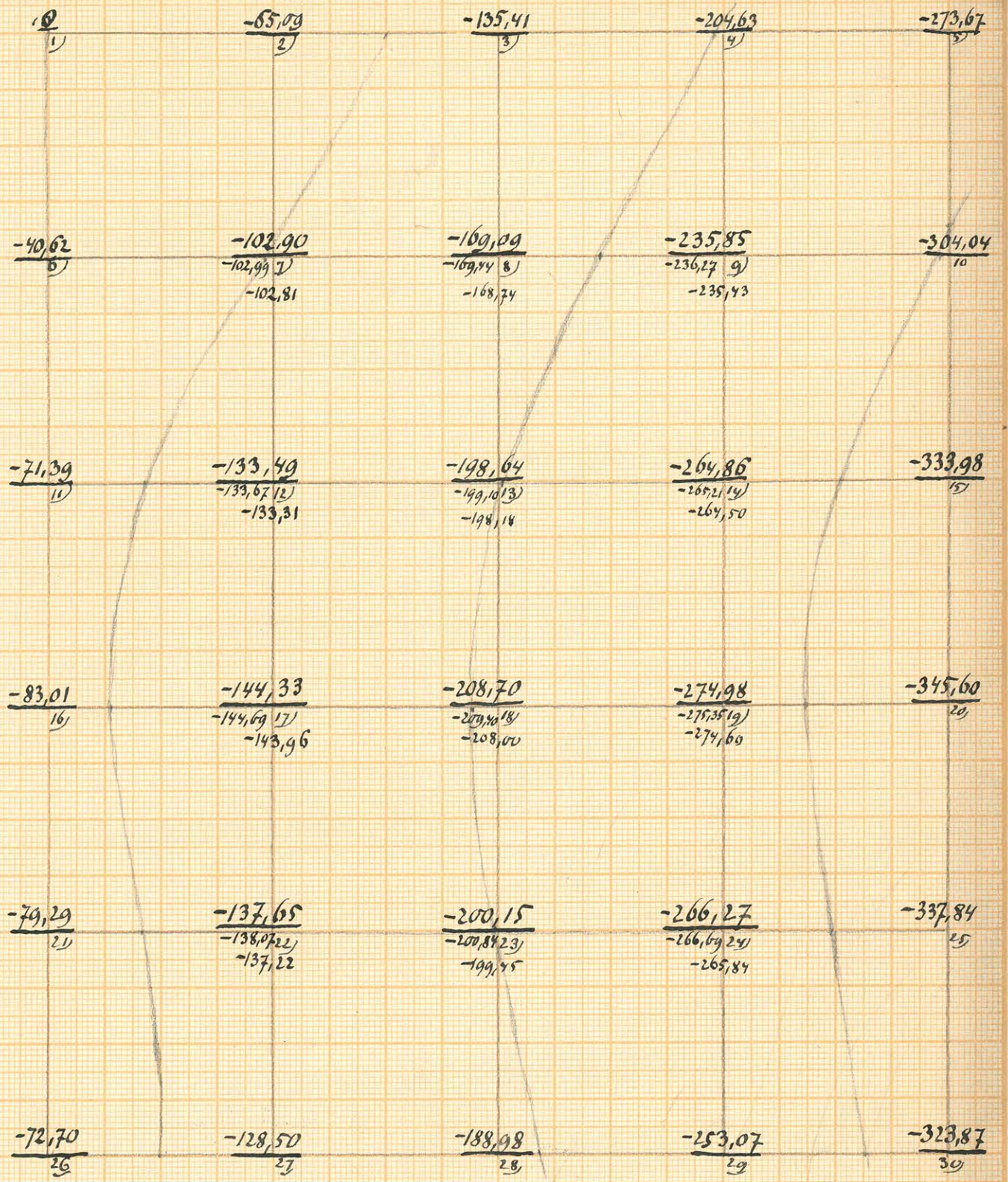


A a kettős gravitációs eszköz helye
 B a balatoni eszköz helye.
 C a balatoni eszköz régi helye.



Gesetzlich geschützt

$$-\frac{3x^2}{(x^2+y^2+1)^2}$$



(1-30) $\frac{34}{24} \frac{24}{100}$
 in alle Richtungen
 I-XX
 $\frac{(11+12)+16+17}{4}$ jeweils hinnehmen

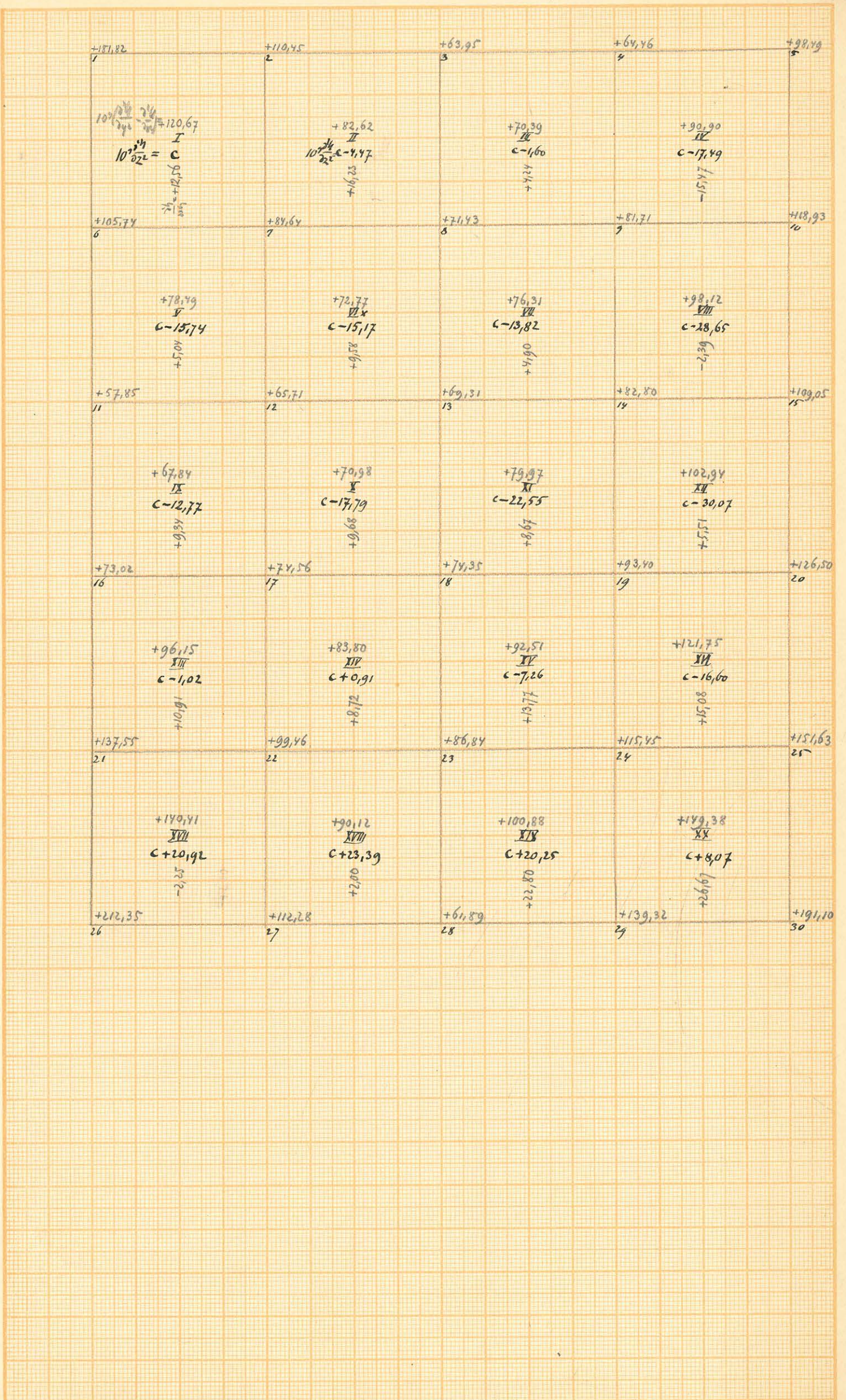
$(10^{\frac{34}{24}}) - (10^{\frac{24}{100}}) = () - () - 2P_{20}$

Ausgangspunkt: I-IV, V
 I, II, III, IV, VII, X, XII, XIV, XVI, XVIII, I
 sind die ersten Punkte
 10^{34/24} (I, II, III, IV, VII, XII, XVI, XVIII, X, II, III, IV, V, VI, VII, VIII, IX, X, XI, XII, XIII, XIV, XV, XVI, XVII, XVIII, XIX, XX, XXI, XXII, XXIII, XXIV, XXV, XXVI, XXVII, XXVIII, XXIX, XXX)

VI, VII, VIII, XI
 hängen mit den Punkten
 III, X, XI, XII
 in XVI, XVII, XVIII verbunden
 XV, XVI, XVII, XVIII verbunden

XVII, XVIII, XIX, XX
 (XVII, XVIII, 21, 22) für
 (XIX, XX, 22, 23) für
 (XXI, XXII, 23, 24) für
 (XXIII, XXIV, 24, 25) für

I-XX $\frac{34}{24}$ Koordinaten
 in Richtung der Punkte
 $\frac{(11+12)+16+17}{4}$ jeweils hinnehmen



IV Table

$10^9 \left(\frac{\partial^4 u}{\partial x^2 \partial y^2} - \frac{\partial^4 u}{\partial x^2 \partial z^2} \right)$ értékei III táblában

$10^9 \frac{\partial^4 u}{\partial x^2 \partial y^2}$ értékei a II táblában
(a nagy számoknál közelebb)

$10^9 \frac{\partial^4 u}{\partial x^2} = \left(-\frac{1}{2} \frac{\partial^4 u}{\partial x^2} - \frac{1}{2} \left(\frac{\partial^4 u}{\partial y^2} - \frac{\partial^4 u}{\partial z^2} \right) \right) 10^9$

$10^9 \frac{\partial^4 u}{\partial y^2} = \left(-\frac{1}{2} \frac{\partial^4 u}{\partial y^2} + \frac{1}{2} \left(\frac{\partial^4 u}{\partial y^2} - \frac{\partial^4 u}{\partial x^2} \right) \right) 10^9$

$10^9 \frac{\partial^4 u}{\partial x^2} = -\frac{c}{2} - 60,34$ $10^9 \frac{\partial^4 u}{\partial y^2} = +12,56$ (I) $10^9 \frac{\partial^4 u}{\partial y^2} = -\frac{c}{2} + 60,34$ $+16,23$	$-\frac{c}{2} - 39,07$ $-\frac{c}{2} + 43,55$ (II) $+16,23$	$-\frac{c}{2} - 34,40$ $-\frac{c}{2} + 36,00$ (III) $+4,24$	$-\frac{c}{2} - 36,70$ $-\frac{c}{2} + 54,20$ (IV) $-15,47$
$-\frac{c}{2} - 31,38$ $-\frac{c}{2} + 47,12$ (V) $+5,04$	$-\frac{c}{2} - 28,80$ $-\frac{c}{2} + 43,98$ (VI) $+4,58$	$-\frac{c}{2} - 31,25$ $-\frac{c}{2} + 45,07$ (VII) $+4,90$	$-\frac{c}{2} - 34,73$ $-\frac{c}{2} + 63,39$ (VIII) $-1,39$
$-\frac{c}{2} - 27,53$ $-\frac{c}{2} + 40,31$ (IX) $+9,34$	$-\frac{c}{2} - 26,59$ $-\frac{c}{2} + 44,39$ (X) $+9,68$	$-\frac{c}{2} - 28,71$ $-\frac{c}{2} + 51,27$ (XI) $+9,67$	$-\frac{c}{2} - 30,43$ $-\frac{c}{2} + 66,51$ (XII) $+5,51$
$-\frac{c}{2} - 47,57$ $-\frac{c}{2} + 48,59$ (XIII) $+10,91$	$-\frac{c}{2} - 42,36$ $-\frac{c}{2} + 41,44$ (XIV) $+8,72$	$-\frac{c}{2} - 42,63$ $-\frac{c}{2} + 49,89$ (XV) $+13,77$	$-\frac{c}{2} - 52,58$ $-\frac{c}{2} + 69,18$ (XVI) $+15,08$
$-\frac{c}{2} - 80,67$ $-\frac{c}{2} + 59,75$ (XVII) $-2,25$	$-\frac{c}{2} - 56,76$ $-\frac{c}{2} + 33,36$ (XVIII) $+2,00$	$-\frac{c}{2} - 60,57$ $-\frac{c}{2} + 40,31$ (XIX) $+22,80$	$-\frac{c}{2} - 78,73$ $-\frac{c}{2} + 70,65$ (XX) $+26,67$

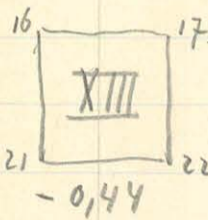
$$10^9 \frac{\partial^4 u}{\partial x^2 \partial y^2} \quad 10^9 \frac{\partial^4 u}{\partial y^2 \partial x^2} \quad 10^9 \left(\frac{\partial^4 u}{\partial x^2 \partial y^2} - \frac{\partial^4 u}{\partial y^2 \partial x^2} \right) \quad 10^9 \frac{\partial^4 u}{\partial x^2 \partial y^2}$$

21 allomais

1	209,63	$n_5 - n_2$	+10,68	-8,68	-57,17 -57,17	+137,55	+14,69 +14,46
2	201,45	$n_4 - n_3$	-12,07				
3	202,15						
4	190,08	$(n_5 - n_1) + (n_4 - n_1)$	-27,03				
5	212,13	$(n_5 - n_1) + (n_2 - n_1)$	-5,68				

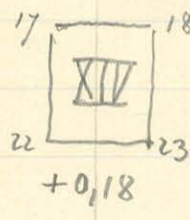
22 allomais

1	208,00	$n_5 - n_2$	+9,42	-12,61	-61,68	+99,46	+3,44
2	197,93	$n_4 - n_3$	-7,68				
3	196,38						
4	188,70	$(n_5 - n_1) + (n_4 - n_1)$	-30,92				
5	207,35	$(n_5 - n_1) + (n_2 - n_1)$	-10,72				



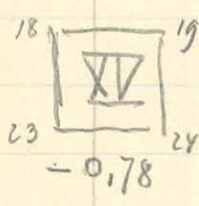
23 allomais

1	209,83	$n_5 - n_2$	+9,48	-15,69	-65,13	+86,84	+11,52
2	200,90	$n_4 - n_3$	-5,93				
3	197,03						
4	191,10	$(n_5 - n_1) + (n_4 - n_1)$	-31,53				
5	210,38	$(n_5 - n_1) + (n_2 - n_1)$	-8,38				



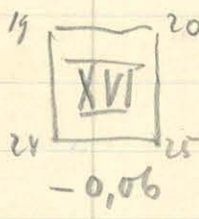
24 allomais

1	207,85	$n_5 - n_2$	+11,20	-15,63	-67,86	+115,45	+21,09
2	199,58	$n_4 - n_3$	-8,75				
3	196,45						
4	187,70	$(n_5 - n_1) + (n_4 - n_1)$	-34,55				
5	210,78	$(n_5 - n_1) + (n_2 - n_1)$	-5,34				



25 allomais

1	211,73	$n_5 - n_2$	+13,37	-15,53	-75,76	+151,63	+19,61
2	201,33	$n_4 - n_3$	-12,32				
3	200,00						
4	187,68	$(n_5 - n_1) + (n_4 - n_1)$	-35,78				
5	214,70	$(n_5 - n_1) + (n_2 - n_1)$	-7,43				



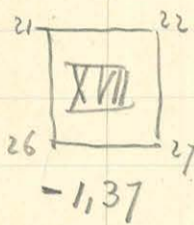
n

$10^4 \frac{\partial^4}{\partial x^2 \partial y^2}$ $10^4 \frac{\partial^4}{\partial y^2 \partial x^2}$ $10^4 (\frac{\partial^4}{\partial x^2 \partial y^2} - \frac{\partial^4}{\partial y^2 \partial x^2})$ $10^4 \frac{\partial^4}{\partial x^2 \partial y^2}$
26 állomás.

1	204,0	$n_5 - n_2$	+13,95	-3,93	-53,28	+212,35	-3,27	+11,02
2	191,23	$n_4 - n_3$	-20,20					
3	200,30							
4	180,10	$(n_5 - n_1) + (n_4 - n_1)$	-27,60					
5	205,18	$(n_5 - n_1) + (n_2 - n_1)$	-11,59					

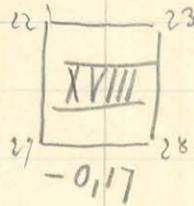
27 állomás

1	209,0	$n_5 - n_2$	+7,88	-3,96	-58,87	+112,28	-23,76	
2	194,90	$n_4 - n_3$	-10,37					
3	197,50							
4	187,13	$(n_5 - n_1) + (n_4 - n_1)$	-33,37					
5	202,78	$(n_5 - n_1) + (n_2 - n_1)$	-20,32					



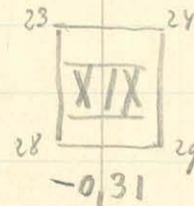
28 állomás

1	215,50	$n_5 - n_2$	+5,32	-5,85	-62,64	+61,89	+16,87	
2	209,88	$n_4 - n_3$	-5,10					
3	203,30							
4	198,20	$(n_5 - n_1) + (n_4 - n_1)$	-29,50					
5	215,20	$(n_5 - n_1) + (n_2 - n_1)$	-5,92					



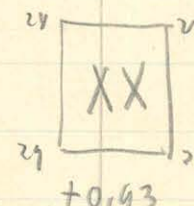
29 állomás

1	220,13	$n_5 - n_2$	+11,02	-9,55	-66,10	+139,32	+41,78	
2	215,98	$n_4 - n_3$	-12,10					
3	212,33							
4	200,23	$(n_5 - n_1) + (n_4 - n_1)$	-27,70					
5	227,00	$(n_5 - n_1) + (n_2 - n_1)$	+2,72					



30 állomás

1	213,98	$n_5 - n_2$	+15,08	-12,96	-76,06	+191,10	+24,19	
2	203,55	$n_4 - n_3$	-16,62					
3	204,65							
4	188,03	$(n_5 - n_1) + (n_4 - n_1)$	-35,28					
5	218,63	$(n_5 - n_1) + (n_2 - n_1)$	-5,78					



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n				$10^4 \frac{\partial^4}{\partial x^2 \partial y^2}$	$10^4 \frac{\partial^4}{\partial y^2 \partial x^2}$	$10^4 \left(\frac{\partial^4}{\partial x^2 \partial y^2} - \frac{\partial^4}{\partial y^2 \partial x^2} \right)$	$10^4 \frac{\partial^4}{\partial x^2 \partial y^2}$
1	204,98	$n_5 - n_2$	-4,15	+42,60	-65,00	+119,67	+15,02
2	203,53	$n_4 - n_3$	-18,80				
3	198,90						
4	180,10	$(n_3 - n_1) + (n_4 - n_2)$	-30,96				
5	199,38	$(n_5 - n_1) + (n_2 - n_1)$	-7,05				

XIV allomni

1	210,75	$n_5 - n_2$	-3,63	+34,12	-68,80	+90,79	-13,78
2	203,30	$n_4 - n_3$	-14,56				
3	199,53						
4	184,97	$(n_3 - n_1) + (n_4 - n_2)$	-37,00				
5	199,67	$(n_5 - n_1) + (n_2 - n_1)$	-18,53				

XIII allomni

1	216,10	$n_5 - n_2$	+7,63	-8,08	-61,05	+89,99	+13,55
2	208,87	$n_4 - n_3$	-7,50				
3	205,27						
4	197,77	$(n_3 - n_1) + (n_4 - n_2)$	-29,16				
5	216,50	$(n_5 - n_1) + (n_2 - n_1)$	-6,83				

XVI allomni

1	207,90	$n_5 - n_2$	+9,20	-8,31	-69,73	+114,82	+12,74
2	198,90	$n_4 - n_3$	-9,90				
3	196,03						
4	186,13	$(n_3 - n_1) + (n_4 - n_2)$	-33,64				
5	208,10	$(n_5 - n_1) + (n_2 - n_1)$	-8,80				

XVII allomni

1	208,30	$n_5 - n_2$	+11,50	-10,34	-56,94	+143,71	-3,54
2	196,35	$n_4 - n_3$	-12,40				
3	199,75	$(n_3 - n_1) + (n_4 - n_2)$					
4	187,35	$(n_3 - n_1) + (n_4 - n_2)$	-29,50				
5	207,85	$(n_5 - n_1) + (n_2 - n_1)$	-12,40				

n

$109\frac{7}{10} \frac{11}{222}$ $103\frac{24}{272}$ $103\left(\frac{34}{24} - \frac{34}{222}\right)$ $109\frac{24}{272}$

→ XX allomas

1	199,25	$n_5 - n_2$	+13,37	<u>-15,81</u>	<u>-70,50</u>	<u>+150,38</u>	<u>+29,09</u>
2	191,13	$n_4 - n_3$	-12,15				
3	184,45						
4	177,30	$(n_5 - n_1) + (n_4 - n_1)$	-31,75				
5	204,50	$(n_5 - n_1) + (n_2 - n_1)$	-2,87				

× VI allomas

1	213,33	$n_5 - n_2$	-4,38	<u>+32,07</u>	<u>-66,80</u>	<u>+69,78</u>	<u>+10,78</u>
2	211,03	$n_4 - n_3$	-12,12				
3	203,15						
4	191,08	$(n_4 - n_1) + (n_3 - n_1)$	-32,48				
5	206,65	$(n_5 - n_1) + (n_2 - n_1)$	-8,98				

× VII allomas

1	213,51	$n_5 - n_2$	-4,23	<u>+32,18</u>	<u>-66,49</u>	<u>+72,32</u>	<u>+4,69</u>
2	210,03	$n_4 - n_3$	-12,43				
3	203,13						
4	190,70	$(n_4 - n_1) + (n_3 - n_1)$	-33,19				
5	205,80	$(n_5 - n_1) + (n_2 - n_1)$	-11,19				

× X allomas

1	213,03	$n_5 - n_2$	+1,13	<u>+10,89</u>	<u>-66,19</u>	<u>+66,68</u>	<u>+9,79</u>
2	207,85	$n_4 - n_3$	-8,35				
3	201,05						
4	192,70	$(n_4 - n_1) + (n_3 - n_1)$	-32,31				
5	208,98	$(n_5 - n_1) + (n_2 - n_1)$	-9,23				

× XI allomas

1	212,0	$n_5 - n_2$	+2,08	<u>+9,45</u>	<u>-67,34</u>	<u>+75,94</u>	<u>+9,61</u>
2	206,20	$n_4 - n_3$	-9,02				
3	200,05						
4	191,03	$(n_4 - n_1) + (n_3 - n_1)$	-32,92				
5	208,28	$(n_5 - n_1) + (n_2 - n_1)$	-9,52				

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~~10¹ $\frac{\partial^4}{\partial x^2 \partial y^2}$~~ ~~10² $\frac{\partial^4}{\partial x^2 \partial y^2}$~~ ~~10³ $\frac{\partial^4}{\partial x^2 \partial y^2}$~~ ~~10⁴ $\frac{\partial^4}{\partial x^2 \partial y^2}$~~ ~~10⁵ $\frac{\partial^4}{\partial x^2 \partial y^2}$~~ ~~10⁶ $\frac{\partial^4}{\partial x^2 \partial y^2}$~~ ~~10⁷ $\frac{\partial^4}{\partial x^2 \partial y^2}$~~

h

1 állomás

1	211,05	$h_5 - h_2$	-0,20	+41,74	-59,45	+187,82	+9,84	-54,59	+7,32
2	207,20	$h_4 - h_3$	-24,67						
3	208,95	h₃ - h₂							
4	184,28	$(h_5 - h_1) + (h_4 - h_2)$	-28,87						
5	207,10	$(h_5 - h_1) + (h_2 - h_3)$	-7,90						

2 állomás

1	201,83	$h_5 - h_2$	-3,10	+86,50	-70,17	+110,45	+32,05	-54,46	+23,45
2	202,53	$h_4 - h_3$	-16,90						
3	194,70								
4	177,80	$(h_5 - h_1) + (h_4 - h_2)$	-31,16						
5	199,43	$(h_5 - h_1) + (h_2 - h_3)$	-1,70						

3 állomás

1	210,33	$h_5 - h_2$	-3,95	+29,00	-69,90	+63,95	+13,38	-63,29	+9,96
2	208,00	$h_4 - h_3$	-10,98						
3	198,98								
4	188,00	$(h_4 - h_1) + (h_3 - h_2)$	-33,68						
5	204,05	$(h_5 - h_1) + (h_2 - h_3)$	-8,61						

4 állomás

1	204,65	$h_5 - h_2$	-2,92	+25,50	-67,98	+64,46	-3,73	-69,74	-2,78
2	198,80	$h_4 - h_3$	-10,55						
3	192,25								
4	181,80	$(h_4 - h_1) + (h_3 - h_2)$	-35,15						
5	195,88	$(h_5 - h_1) + (h_2 - h_3)$	-14,62						

5 állomás

1	218,20	$h_5 - h_2$	-0,45	+24,09	-69,54	+98,49	-46,15	-82,01	-34,24
2	203,05	$h_4 - h_3$	-13,70						
3	204,05								
4	190,35	$(h_5 - h_1) + (h_4 - h_2)$	-42,00						
5	202,60	$(h_5 - h_1) + (h_2 - h_3)$	-30,75						

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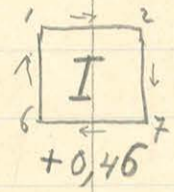
$10^3 \frac{241}{2 \times 2}$ $10^3 \frac{246}{2 \times 2}$ $10^3 \frac{244}{2 \times 2}$ $10^3 \frac{244}{2 \times 2}$
~~$10^3 \frac{241}{2 \times 2}$ $10^3 \frac{246}{2 \times 2}$ $10^3 \frac{244}{2 \times 2}$ $10^3 \frac{244}{2 \times 2}$~~

6 allomais

1	216,40	$n_5 - n_2$	-4,33	+40,11	-59,08	+105,74	-2,34
2	212,38	$n_4 - n_3$	-17,02				
3	209,70						
4	192,68	$(n_3 - n_1) + (n_4 - n_2)$	-30,42				
5	208,05	$(n_5 - n_1) + (n_2 - n_4)$	-12,37				

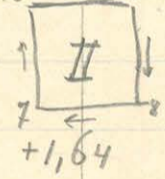
7 allomais

1	211,50	$n_5 - n_2$	-5,50	+39,70	-65,90	+84,64	+10,79
2	209,85	$n_4 - n_3$	-14,88				
3	202,93						
4	188,05	$(n_3 - n_1) + (n_4 - n_2)$	-32,02				
5	204,35	$(n_5 - n_1) + (n_2 - n_4)$	-8,80				



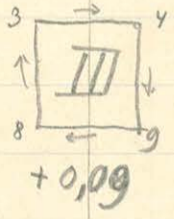
8 allomais

1	209,25	$n_5 - n_2$	-5,60	+37,08	-67,24	+71,43	+8,70
2	207,13	$n_4 - n_3$	-13,15				
3	199,33						
4	186,18	$(n_3 - n_1) + (n_4 - n_2)$	-33,00				
5	201,53	$(n_5 - n_1) + (n_2 - n_4)$	-9,84				



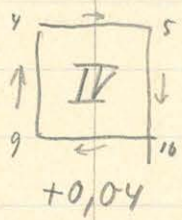
9 allomais

1	203,35	$n_5 - n_2$	-4,80	+36,42	-66,66	+81,71	-1,41
2	199,00	$n_4 - n_3$	-14,05				
3	193,30						
4	179,25	$(n_3 - n_1) + (n_4 - n_2)$	-34,15				
5	194,20	$(n_5 - n_1) + (n_2 - n_4)$	-13,50				



10 allomais

1	210,60	$n_5 - n_2$	-2,45	+36,09	-69,10	+118,93	-10,60
2	203,13	$n_4 - n_3$	-17,65				
3	201,08						
4	183,43	$(n_3 - n_1) + (n_4 - n_2)$	-36,70				
5	200,68	$(n_5 - n_1) + (n_2 - n_4)$	-17,40				

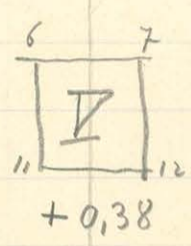


$\frac{109 \frac{24}{100}}{200}$ $\frac{109 \frac{24}{100}}{200}$ $\frac{109 \frac{24}{100}}{200}$ $\frac{109 \frac{24}{100}}{200}$
11 allomas

1	209,35	$n_5 - n_2$	-2,35	+21,98	-60,00	+57,85	+2,49
2	205,15	$n_4 - n_3$	-9,30				
3	198,90						
4	189,60	$(n_3 - n_1) + (n_4 - n_2)$	-30,20				
5	202,80	$(n_5 - n_1) + (n_2 - n_4)$	-10,75				

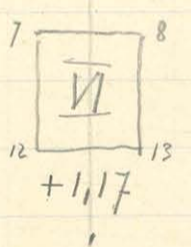
12 allomas

1	210,0	$n_5 - n_2$	-1,95	+22,17	-65,52	+65,71	+9,30
2	206,10	$n_4 - n_3$	-10,12				
3	198,95						
4	188,83	$(n_3 - n_1) + (n_4 - n_2)$	-32,22				
5	204,15	$(n_5 - n_1) + (n_2 - n_4)$	-9,75				



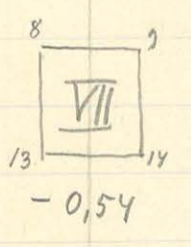
13 allomas

1	209,08	$n_5 - n_2$	-1,45	+21,12	-66,29	+69,31	+9,52
2	205,13	$n_4 - n_3$	-10,30				
3	198,03						
4	187,73	$(n_3 - n_1) + (n_4 - n_2)$	-32,40				
5	203,68	$(n_5 - n_1) + (n_2 - n_4)$	-9,35				



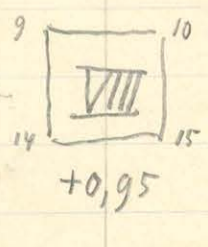
14 allomas

1	209,73	$n_5 - n_2$	-0,88	+22,08	-66,88	+82,80	+2,78
2	204,18	$n_4 - n_3$	-11,80				
3	198,80						
4	187,00	$(n_3 - n_1) + (n_4 - n_2)$	-33,66				
5	203,30	$(n_5 - n_1) + (n_2 - n_4)$	-11,98				



15 allomas

1	213,23	$n_5 - n_2$	+0,40	+23,22	-71,60	+109,05	-0,34
2	206,00	$n_4 - n_3$	-14,55				
3	202,25						
4	187,70	$(n_3 - n_1) + (n_4 - n_2)$	-36,51				
5	206,40	$(n_5 - n_1) + (n_2 - n_4)$	-14,06				



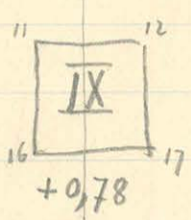
n

$10^9 \frac{\partial^2 u}{\partial x^2 \partial z}$ $10^9 \frac{\partial^2 u}{\partial y^2 \partial z}$ $10^9 \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right)$ $10^9 \frac{\partial^2 u}{\partial x \partial y}$
16 állomás

1	212,95	$n_5 - n_2$	+3,95	+1,87	-60,45	+73,02	+16,93
2	208,25	$n_4 - n_3$	-7,47				
3	202,50						
4	195,03	$(n_5 - n_1) + (n_4 - n_1)$	-28,37				
5	212,20	$(n_5 - n_1) + (n_2 - n_1)$	-5,45				

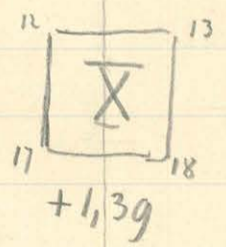
17 állomás

1	215,98	$n_5 - n_2$	+4,53	0	-65,02	+74,56	+8,65
2	209,00	$n_4 - n_3$	-7,32				
3	203,70						
4	196,38	$(n_5 - n_1) + (n_4 - n_1)$	-31,88				
5	213,53	$(n_5 - n_1) + (n_2 - n_1)$	-9,43				



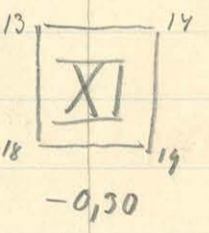
18 állomás

1	206,65	$n_5 - n_2$	+5,05	-2,00	-66,52	+74,35	+11,25
2	199,75	$n_4 - n_3$	-6,97				
3	194,00						
4	187,03	$(n_5 - n_1) + (n_4 - n_1)$	-32,27				
5	204,80	$(n_5 - n_1) + (n_2 - n_1)$	-8,75				



19 állomás

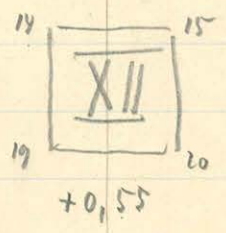
1	209,13	$n_5 - n_2$	+6,08	-1,52	-67,49	+93,40	+11,14
2	201,60	$n_4 - n_3$	-8,92				
3	197,20						
4	188,28	$(n_5 - n_1) + (n_4 - n_1)$	-32,78				
5	207,68	$(n_5 - n_1) + (n_2 - n_1)$	-8,98				



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20 állomás

1	214,70	$n_5 - n_2$	+7,83	-0,55	-75,17	+126,50	+8,47
2	205,05	$n_4 - n_3$	-12,33				
3	202,33						
4	190,00	$(n_5 - n_1) + (n_4 - n_1)$	-37,07				
5	212,88	$(n_5 - n_1) + (n_2 - n_1)$	-11,47				



Alloin	$c = \left(10^7 \frac{2^{1/2}}{22^2}\right) I$						
	$10^7 \frac{2^{1/2}}{2 \times 22}$	$10^7 \frac{2^{1/2}}{27 \times 22}$	$10^7 \left(\frac{2^{1/2}}{27^2} - \frac{2^{1/2}}{22^2}\right)$	$10^7 \frac{2^{1/2}}{2 \times 27}$	$10^7 \frac{2^{1/2}}{22^2}$	$10^7 \frac{2^{1/2}}{2 \times 27}$	$10^7 \frac{2^{1/2}}{27^2}$
1.	+41,74	-59,45	+187,82	+9,84	c - 6,49	$-\frac{c}{2} - 87,66$	$-\frac{c}{2} + 94,16$
2	+36,59	-70,17	+110,45	+32,05	c + 8,62	$-\frac{c}{2} - 59,54$	$-\frac{c}{2} + 50,92$
3	+29,00	-69,90	+63,95	+13,38	c + 7,73	$-\frac{c}{2} - 35,85$	$-\frac{c}{2} + 28,12$
4	+25,50	-67,98	+64,46	-3,73	c - 0,86	$-\frac{c}{2} - 31,80$	$-\frac{c}{2} + 32,66$
5	+24,09	-69,54	+98,49	-46,15	c + 19,61 ^x	$-\frac{c}{2} - 59,06$	$-\frac{c}{2} + 39,45$
6	+40,11	-59,08	+105,74	-2,34	c - 14,91	$-\frac{c}{2} - 45,41$	$-\frac{c}{2} + 60,32$
7	+39,70	-65,90	+84,64	+10,79	c - 8,85	$-\frac{c}{2} - 37,89$	$-\frac{c}{2} + 46,78$
8	+37,08	-67,24	+71,43	+8,70	c - 8,77	$-\frac{c}{2} - 31,33$	$-\frac{c}{2} + 40,10$
9	+36,42	-66,66	+81,71	-1,41	c - 15,39	$-\frac{c}{2} - 33,16$	$-\frac{c}{2} + 48,58$
10	+36,09	-69,10	+118,93	-10,60	c - 26,45	$-\frac{c}{2} - 46,24$	$-\frac{c}{2} + 72,69$
11	+21,98	-60,00	+57,85	+2,49	c - 17,11	$-\frac{c}{2} - 20,37$	$-\frac{c}{2} + 37,49$
12	+22,17	-65,52	+65,71	+9,30	c - 15,37	$-\frac{c}{2} - 25,17$	$-\frac{c}{2} + 40,55$
13	+21,12	-66,29	+69,31	+9,52	c - 17,33	$-\frac{c}{2} - 25,99$	$-\frac{c}{2} + 43,33$
14	+22,08	-66,88	+82,80	+2,78	c - 23,77	$-\frac{c}{2} - 29,51$	$-\frac{c}{2} + 53,29$
15	+23,22	-71,60	+109,05	-0,34	c - 34,22	$-\frac{c}{2} - 37,42$	$-\frac{c}{2} + 71,64$
16	+1,81	-60,45	+73,02	+16,93	c - 9,17	$-\frac{c}{2} - 31,92$	$-\frac{c}{2} + 41,10$
17	0	-65,02	+74,56	+8,65	c - 7,67	$-\frac{c}{2} - 33,44$	$-\frac{c}{2} + 41,12$
18	-2,00	-66,52	+74,35	+11,25	c - 11,67	$-\frac{c}{2} - 31,34$	$-\frac{c}{2} + 43,02$
19	-1,52	-67,49	+93,40	+11,14	c - 19,12	$-\frac{c}{2} - 37,14$	$-\frac{c}{2} + 56,26$
20	-0,55	-75,17	+126,50	+8,47	c - 33,08	$-\frac{c}{2} - 46,71$	$-\frac{c}{2} + 79,79$
21	-8,68	-57,17	+137,55	+14,69	c - 0,72	$-\frac{c}{2} - 68,42$	$-\frac{c}{2} + 69,14$
22	-12,61	-61,68	+99,46	+3,44	c + 11,05	$-\frac{c}{2} - 55,26$	$-\frac{c}{2} + 44,20$
23	-15,69	-65,13	+86,84	+11,52	c + 9,32	$-\frac{c}{2} - 48,08$	$-\frac{c}{2} + 38,76$
24	-15,63	-67,86	+115,45	+21,09	c + 1,12	$-\frac{c}{2} - 58,29$	$-\frac{c}{2} + 57,17$
25	-15,53	-75,76	+157,63	+19,61	c - 11,88	$-\frac{c}{2} - 69,88$	$-\frac{c}{2} + 81,76$
26	-3,93	-53,28	+212,35	-3,27	c - 3,81	$-\frac{c}{2} - 104,27$	$-\frac{c}{2} + 108,09$
27	-3,96	-58,87	+112,28	-23,76	c + 32,37	$-\frac{c}{2} - 72,32$	$-\frac{c}{2} + 39,96$
28	-5,85	-62,64	+61,89	+16,81	c + 25,97	$-\frac{c}{2} - 43,94$	$-\frac{c}{2} + 17,96$
29	-9,55	-66,10	+139,32	+41,78	c + 32,63	$-\frac{c}{2} - 85,98$	$-\frac{c}{2} + 53,34$
30	-12,96	-76,06	+191,10	+24,19	c - 5,00	$-\frac{c}{2} - 93,05$	$-\frac{c}{2} + 98,05$
			$\Sigma = +3116,04$	$\Sigma = +216,83$	$\Sigma = 30c - 143,22$	$\Sigma = -15c - 1486,44$	$\Sigma = -15c + 1629,73$

Számítások.

Alkalmazás	$10^1 \frac{\partial^2 u}{\partial x^2 \partial y^2}$	$10^1 \frac{\partial^2 u}{\partial y^2 \partial x^2}$	$10^1 \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right)$	$10^1 \frac{\partial^2 u}{\partial x \partial y}$	$10^1 \frac{\partial^2 u}{\partial x^2}$	$10^1 \frac{\partial^2 u}{\partial x^2}$	$10^1 \frac{\partial^2 u}{\partial y^2}$
I	+39,54	-63,65	+120,67	+12,56	c -	$-\frac{c}{2} - 60,34$	$-\frac{c}{2} + 60,34$
II	+35,59	-68,30	+82,62	+16,23	c - 4,47	$-\frac{c}{2} - 39,07$	$-\frac{c}{2} + 43,55$
III	+29,50	-67,95	+70,39	+4,24	c - 1,60	$-\frac{c}{2} - 34,40$	$-\frac{c}{2} + 36,00$
IV	+30,53	-68,32	+90,90	-15,47	c - 17,49	$-\frac{c}{2} - 36,70$	$-\frac{c}{2} + 54,20$
V	+30,99	-62,62	+78,49	+5,04	c - 15,74	$-\frac{c}{2} - 31,38$	$-\frac{c}{2} + 47,12$
VI	+30,02	-66,24	+72,77	+9,58	c - 15,17	$-\frac{c}{2} - 28,80$	$-\frac{c}{2} + 43,98$
VII	+29,18	-66,77	+76,31	+4,90	c - 13,82	$-\frac{c}{2} - 31,25$	$-\frac{c}{2} + 45,07$
VIII	+29,45	-68,56	+98,12	-2,39	c - 28,65	$-\frac{c}{2} - 34,73$	$-\frac{c}{2} + 63,39$
IX	+11,49	-62,75	+67,84	+9,34	c - 12,77	$-\frac{c}{2} - 27,53$	$-\frac{c}{2} + 40,31$
X	+10,32	-65,84	+70,98	+9,68	c - 17,79	$-\frac{c}{2} - 26,59$	$-\frac{c}{2} + 44,39$
XI	+9,92	-66,79	+79,97	+8,67	c - 22,55	$-\frac{c}{2} - 28,71$	$-\frac{c}{2} + 51,27$
XII	+10,81	-70,28	+102,94	+5,51	c - 30,07	$-\frac{c}{2} - 36,43$	$-\frac{c}{2} + 66,51$
XIII	-4,87	-61,08	+96,15	+10,91	c - 1,02	$-\frac{c}{2} - 47,57$	$-\frac{c}{2} + 48,59$
XIV	-7,58	-64,59	+83,80	+8,72	c + 0,91	$-\frac{c}{2} - 42,36$	$-\frac{c}{2} + 41,44$
XV	-8,71	-66,75	+92,51	+13,77	c - 7,26	$-\frac{c}{2} - 42,63$	$-\frac{c}{2} + 49,89$
XVI	-8,31	-71,57	+121,75	+15,08	c - 16,60	$-\frac{c}{2} - 52,58$	$-\frac{c}{2} + 69,18$
XVII	-7,30	-57,75	+140,41	-2,25	c + 20,92	$-\frac{c}{2} - 80,67$	$-\frac{c}{2} + 59,75$
XVIII	-9,53	-62,08	+90,12	+2,00	c + 23,39	$-\frac{c}{2} - 56,76$	$-\frac{c}{2} + 33,36$
XIX	-11,68	-65,43	+100,88	+22,80	c + 20,25	$-\frac{c}{2} - 60,57$	$-\frac{c}{2} + 40,31$
XX	-13,42	-71,45	+149,38	+26,67	c + 8,07	$-\frac{c}{2} - 78,73$	$-\frac{c}{2} + 70,65$

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Esztendő
1906
június 12.

$10^7 \frac{2^1 11}{2 \times 2^2}$ $10^7 \frac{2^1 2}{2^2 2^2}$ $10^7 (\frac{2^1 2}{2^2} - \frac{2^1 2}{2^2})$ $10^7 \frac{2^1 11}{2 \times 2^2}$

Érték

$10^7 \frac{2^1 2}{2 \times 2^2}$ $10^7 \frac{2^1 2}{2^2 2^2}$ $10^7 (\frac{2^1 2}{2^2} - \frac{2^1 2}{2^2})$ $10^7 \frac{2^1 2}{2 \times 2^2}$

I	+42,60	-65,00 -64,12	+119,67	+15,02 +11,88	I'	+35,11	-66,52	+119,56	+16,99 +1,97
II	+39,82	-68,68	+80,57	+15,51					
III	+36,75	-66,81 -70,72	+69,14	+2,61					
IV	+34,12	-68,80	+90,79	-13,78	IV'	+27,44	-62,87	+88,19	-12,82 +0,96
V	+33,27	-63,45	+76,34	+5,28					
VI	+32,00	-66,80	+69,63 63	+10,78	VI'	+28,63	-66,67	+74,48	+9,83 +0,95
VII	+32,18	-66,49	+72,32	+4,69	VII'	+28,12	-64,65	+77,17	+6,68 +9,38 +1,99
VIII	+32,16	-68,66	+95,00	-1,31					
IX	+11,16	-63,10	+65,72	+9,33					
X	+10,89	-66,19	+66,68	+9,79	X'	+13,38	-65,77	+75,21	+9,08 -0,71
XI	+9,45	-67,34 67,34 67,20	+75,94	+9,61	XI'	+10,15	-64,35	+82,83	+12,13 +2,52
XII	+10,95	-69,34	+100,50	+6,23					
XIII	-8,08	-61,05	+89,99	+13,55	XIII'	-0,45	-63,89	+99,75	+12,22 -1,22
XIV	-9,22	-64,95 64,95 67,43	+82,45	+8,74	XIV'	-2,93	-64,70	+76,71	+10,25 +1,51
XV	-11,72	-66,72 17 72	+90,73	+14,77	XV'	-4,71	-61,63	+93,99	+15,16 +0,39
XVI	-8,31	-69,63	+114,82	+12,74	XVI'	-4,54	-64,12	+127,32	+16,17 +3,83
XVII	-10,34	-56,94	+143,71	-3,54	XVII'	-3,83	-60,45	+143,64	-1,30 +2,24
XVIII	-13,64	-62,30	+87,56 6	+0,55					
XIX	-14,45	-66,05	+101,20	+23,68					
XX	-15,87	-70,50	+150,38	+29,09	XX'	-8,66	-63,35	+154,93	+28,30 -0,19
					7'	+34,94	-65,84	+90,63	+10,27
					9'	+30,62	-63,87	+81,11	+0,67
					17'	+4,84	-66,46	+80,14	+10,90
					19'	+2,20	-63,16	+102,72	+15,67

$10^9 \frac{\delta^4}{\alpha^2 \alpha^2}$ $10^9 \frac{\delta^4}{\alpha^2 \alpha^2}$ $10^9 \left(\frac{\delta^4}{\alpha^2} - \frac{\delta^4}{\alpha^2} \right)$ $10^9 \frac{\delta^4}{\alpha^2 \alpha^2}$

VI' allomás

1	211,23	$n_5 - n_2$	-3,15	+28,63	-66,67	+74,48	+9,83
2	208,15	$n_4 - n_3$	-12,05				
3	200,98						
4	188,93	$(n_4 - n_1) + (n_3 - n_1)$	-32,55				
5	205,00	$(n_5 - n_1) + (n_2 - n_1)$	-9,31				

x VII' allomás

1	213,15	$n_5 - n_2$	-2,85	+28,12	-64,65	+77,17	+ 9,38 6,68
2	209,53	$n_4 - n_3$	-12,23				
3	203,28						
4	191,05	$(n_4 - n_1) + (n_3 - n_1)$	-31,97				
5	206,68	$(n_5 - n_1) + (n_2 - n_1)$	-10,09				

X' allomás

1	212,50	$n_5 - n_2$	+0,98	+13,38	-65,77	+75,21	+9,08
2	207,30	$n_4 - n_3$	-9,60				
3	201,20						
4	191,60	$(n_4 - n_1) + (n_3 - n_1)$	-32,20				
5	208,28	$(n_5 - n_1) + (n_2 - n_1)$	-9,42				

XI' allomás

1	212,0	$n_5 - n_2$	+2,30	+10,15	-64,35	+82,83	+12,13
2	206,85	$n_4 - n_3$	-9,80				
3	201,38						
4	191,58	$(n_4 - n_1) + (n_3 - n_1)$	+31,04				
5	209,15	$(n_5 - n_1) + (n_2 - n_1)$	-8,00				

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XIV' allomás

1	210,71	$n_5 - n_2$	+6,05	-2,93	-64,70	+76,71	+10,25
2	203,30	$n_4 - n_3$	-8,03				
3	198,98						
4	190,95	$(n_4 - n_1) + (n_3 - n_1)$	-31,49				
5	209,35	$(n_5 - n_1) + (n_2 - n_1)$	-8,77				

n

$$\frac{10^2 \cdot 24}{2 \times 02}$$

$$\frac{10^2 \cdot 24}{2 \times 02}$$

$$\frac{10^2 \cdot 24}{2 \times 02} - \frac{24}{2 \times 02}$$

$$\frac{10^2 \cdot 24}{2 \times 02}$$

XV' Aluminis

1	210,94	$n_5 - n_2$	+6,97	-4,71	-61,63	+93,99	+15,16
2	204,13	$n_4 - n_3$	-8,45				
3	200,15						
4	191,70	$(n_7 - n_1) + (n_5 - n_3)$	+30,03				
5	211,10	$(n_7 - n_1) + (n_2 - n_4)$	-6,65				

	h			$10^7 \frac{h_1}{2 \times 22}$	$10^7 \frac{h_2}{24 \times 22}$	$10^7 \frac{h_3}{(22 \times 22) \times 24}$	$10^7 \frac{h_4}{2 \times 24}$
* XIV állomás							
1	212,28	$h_5 - h_2$	+7,48	<u>-9,22</u>	<u>-64,95</u> <u>-67,43</u>	<u>+82,45</u>	<u>+8,74</u>
2	203,85	$h_4 - h_3$	-6,57				
3	199,65	$(h_5 - h_1) + (h_4 - h_2)$					
4	193,08	$(h_4 - h_1) + (h_3 - h_2)$	-31,83				
5	211,33	$(h_5 - h_1) + (h_2 - h_1)$	-9,38				
* XV állomás							
1	211,26	$h_5 - h_2$	+8,65	<u>-11,72</u>	<u>-66,17</u>	<u>+90,73</u>	<u>+14,77</u>
2	203,25	$h_4 - h_3$	-6,97				
3	198,95						
4	191,98	$(h_4 - h_1) + (h_3 - h_2)$	-31,59				
5	211,90	$(h_5 - h_1) + (h_2 - h_1)$	-7,37				
* II állomás							
1	209,88	$h_5 - h_2$	-5,78	<u>+39,82</u>	<u>-68,68</u>	<u>+80,57</u>	<u>+15,51</u>
2	208,98	$h_4 - h_3$	-14,50				
3	200,75						
4	186,25	$(h_5 - h_1) + (h_4 - h_2)$	-32,76				
5	203,20	$(h_5 - h_1) + (h_2 - h_1)$	-7,58				
* III állomás							
1	212,04	$h_5 - h_2$	-5,65	<u>+36,75</u>	<u>-66,81</u> <u>-70,77</u>	<u>+69,14</u>	<u>+2,61</u>
2	208,85	$h_4 - h_3$	-12,87				
3	201,65						
4	188,78	$(h_5 - h_1) + (h_4 - h_2)$	-33,65				
5	203,20	$(h_5 - h_1) + (h_2 - h_1)$	-12,03				
* VIII állomás							
1	213,25	$h_5 - h_2$	-2,85	<u>+32,16</u>	<u>-68,66</u>	<u>+95,00</u>	<u>-1,31</u>
2	207,75	$h_4 - h_3$	-14,65				
3	203,00						
4	188,35	$(h_5 - h_1) + (h_4 - h_2)$	-35,15				
5	204,90	$(h_5 - h_1) + (h_2 - h_1)$	-13,85				

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η
 $\quad 10^9 \frac{\partial^2 u}{\partial x^2}$
 $\quad 10^9 \frac{\partial^2 u}{\partial y^2}$
 $\quad 10^9 \left(\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} \right)$
 $\quad 10^9 \frac{\partial^2 u}{\partial x \partial y}$

XII allomias

1	215,10	$n_5 - n_2$	+3,17	<u>+10,95</u>	<u>-69,34</u>	<u>+100,50</u>	<u>+6,23</u>
2	207,93	$n_4 - n_3$	-11,68				
3	203,73						
4	192,05	$(n_4 - n_1) + (n_3 - n_1)$	-34,42				
5	211,10	$(n_5 - n_1) + (n_2 - n_1)$	-11,17				

XIX allomias

1	212,05	$n_5 - n_2$	+10,02	<u>-14,45</u>	<u>-66,04</u>	<u>+107,20</u>	<u>+23,68</u>
2	205,03	$n_4 - n_3$	-7,55				
3	200,70						
4	193,15	$(n_4 - n_1) + (n_3 - n_1)$	-30,25				
5	215,05	$(n_5 - n_1) + (n_2 - n_1)$	-4,02				

XVIII allomias

1	211,70	$n_5 - n_2$	+8,98	<u>-13,64</u>	<u>-62,30</u>	<u>+87,66</u> <u>+87,56</u>	<u>+0,55</u>
2	201,25	$n_4 - n_3$	-6,35				
3	199,05						
4	192,70	$(n_4 - n_1) + (n_3 - n_1)$	-31,65				
5	210,23	$(n_5 - n_1) + (n_2 - n_1)$	-11,92				

IX allomias

1	211,25	$n_5 - n_2$	+1,00	<u>+11,16</u>	<u>-63,10</u>	<u>+65,72</u>	<u>+9,33</u>
2	206,35	$n_4 - n_3$	-8,30				
3	200,00						
4	191,70	$(n_4 - n_1) + (n_3 - n_1)$	-30,80				
5	207,35	$(n_5 - n_1) + (n_2 - n_1)$	-8,80				

V allomias

1	211,03	$n_5 - n_2$	-4,28	<u>+33,27</u>	<u>-63,45</u>	<u>+76,34</u>	<u>+5,28</u>
2	207,98	$n_4 - n_3$	-13,00				
3	201,75						
4	188,75	$(n_4 - n_1) + (n_3 - n_1)$	-31,56				
5	203,70	$(n_5 - n_1) + (n_2 - n_1)$	-10,38				

$10^3 \frac{\partial^2 u}{\partial x \partial y}$
 $10^3 \frac{\partial^2 u}{\partial y^2}$
 $10^3 \left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} \right)$
 $10^3 \frac{\partial^2 u}{\partial x^2}$

n

XV' allomás (felv.)

1	214,20	$n_5 - n_2$	-2,08	+27,44	-62,87	+88,19	-12,82
2	206,73	$n_4 - n_3$	-13,25				
3	203,90						
4	190,65	$(n_5 - n_1) + (n_4 - n_1)$	-33,85				
5	204,65	$(n_5 - n_1) + (n_2 - n_1)$	-17,02				

XIII' allomás

1	211,98	$n_5 - n_2$	+6,18	-0,45	-63,89	+99,75	+12,22
2	205,05	$n_4 - n_3$	-9,72				
3	201,70						
4	191,98	$(n_5 - n_1) + (n_4 - n_1)$	-30,28				
5	211,20	$(n_5 - n_1) + (n_2 - n_1)$	-7,68				

XVI' allomás

1	209,90	$n_5 - n_2$	+8,95	-4,54	-64,12	+127,32	+16,17
2	202,20	$n_4 - n_3$	-11,75				
3	200,60						
4	188,85	$(n_5 - n_1) + (n_4 - n_1)$	-30,35				
5	211,15	$(n_5 - n_1) + (n_2 - n_1)$	-6,45				

XVII' allomás

1	213,15	$n_5 - n_2$	+9,75	-3,83	-60,45	+143,64	-1,30
2	202,15	$n_4 - n_3$	-13,47				
3	204,40						
4	190,93	$(n_5 - n_1) + (n_4 - n_1)$	-30,97				
5	211,90	$(n_5 - n_1) + (n_2 - n_1)$	-12,25				

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XX' allomás

1	211,10	$n_5 - n_2$	+11,73	-8,66	-63,35	+154,93	+28,30
2	204,35	$n_4 - n_3$	-13,78				
3	203,88						
4	190,10	$(n_5 - n_1) + (n_4 - n_1)$	-28,22				
5	216,08	$(n_5 - n_1) + (n_2 - n_1)$	-1,77				

$109 \frac{24}{2 \times 22}$ $109 \frac{24}{2 \times 22}$ $109 \frac{24}{2 \times 22}$ $109 \frac{24}{2 \times 22}$

7' allomas (telno)

1	209,83	$n_5 - n_2$	-3,86	+34,94	-65,84	+90,63	+10,27
2	207,25	$n_4 - n_3$	-14,68				
3	201,13						
4	186,45	$(n_3 - n_1) + (n_4 - n_2)$	-32,08				
5	203,39	$(n_5 - n_1) + (n_2 - n_4)$	-9,02				

9' allomas

1	214,08	$n_5 - n_2$	-3,28	+30,62	-63,87	+81,11	+0,67
2	209,63	$n_4 - n_3$	-13,03				
3	204,38						
4	191,35	$(n_3 - n_1) + (n_4 - n_2)$	-32,43				
5	206,25	$(n_5 - n_1) + (n_2 - n_4)$	-12,18				

17' allomas

1	198,93	$n_5 - n_2$	+3,57	+4,84	-66,46	+80,14	+10,90
2	192,78	$n_4 - n_3$	-8,67				
3	187,30						
4	178,63	$(n_3 - n_1) + (n_4 - n_2)$	-31,93				
5	196,35	$(n_5 - n_1) + (n_2 - n_4)$	-8,73				

19' allomas

1	199,85	$n_5 - n_2$	+5,65	+2,20	-63,16	+102,72	+15,67
2	193,25	$n_4 - n_3$	-10,45				
3	189,90						
4	179,45	$(n_3 - n_1) + (n_4 - n_2)$	-30,35				
5	198,90	$(n_5 - n_1) + (n_2 - n_4)$	-7,55				

I' allomas

1	207,28	$n_5 - n_2$	-2,15	+35,11	-66,52	+119,56	+16,99
2	205,05	$n_4 - n_3$	-17,55				
3	200,33						
4	182,78	$(n_3 - n_1) + (n_4 - n_2)$	-31,45				
5	202,90	$(n_5 - n_1) + (n_2 - n_4)$	-6,61				

$$A = \frac{\partial^2 u}{\partial x \partial z} = a_0 + a_1 x + a_2 y + a_{11} x^2 + a_{22} y^2 + a_{12} xy$$

$$B = \frac{\partial^2 u}{\partial y \partial z} = b_0 + b_1 x + b_2 y + b_{11} x^2 + b_{22} y^2 + b_{12} xy$$

$$C = \frac{\partial^2 u}{\partial x \partial y} = c_0 + c_1 x + c_2 y + c_{11} x^2 + c_{22} y^2 + c_{12} xy$$

$$D = \frac{\partial^2 u}{\partial x^2} = d_0 + d_1 x + d_2 y + d_{11} x^2 + d_{22} y^2 + d_{12} xy$$

$$E = \frac{\partial^2 u}{\partial y^2} = e_0 + e_1 x + e_2 y + e_{11} x^2 + e_{22} y^2 + e_{12} xy$$

$$F = \frac{\partial^2 u}{\partial z^2} = f_0 + f_1 x + f_2 y + f_{11} x^2 + f_{22} y^2 + f_{12} xy$$

$$\Delta u = 0 \quad \left\{ \begin{array}{l} -f_0 = e_0 + d_0 \\ -f_1 = e_1 + d_1 \\ -f_2 = e_2 + d_2 \\ -f_{11} = e_{11} + d_{11} \\ -f_{22} = e_{22} + d_{22} \\ -f_{12} = e_{12} + d_{12} \end{array} \right. \quad \mathcal{E} - \mathcal{D} = (e_0 - d_0) + (e_1 - d_1)x$$

$$\frac{\partial C}{\partial y} = \frac{\partial E}{\partial x} \quad \left\{ \begin{array}{l} c_2 = e_1 \\ c_{12} = 2e_{11} \\ 2c_{22} = e_{12} \end{array} \right.$$

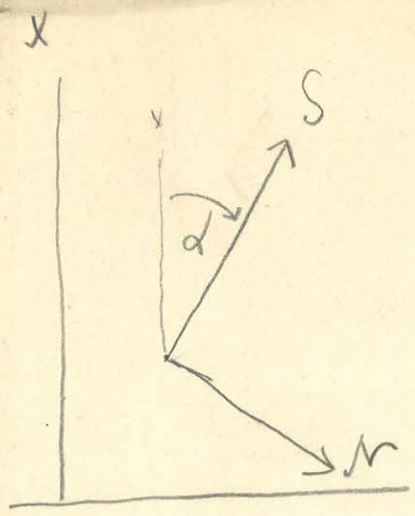
$$\frac{\partial C}{\partial x} = \frac{\partial D}{\partial y} \quad \left\{ \begin{array}{l} c_1 = d_2 \\ c_{11} = 2d_{22} \\ 2c_{22} = d_{12} \end{array} \right.$$

$$\frac{\partial D}{\partial y^2} = \frac{\partial E}{\partial x^2} \quad d_{22} = e_{11}$$

$$\frac{\partial D}{\partial x \partial y} = \frac{\partial C}{\partial x^2} \quad 2c_{11} = d_{12}$$

$$\frac{\partial E}{\partial x \partial y} = \frac{\partial C}{\partial y^2} \quad 2c_{22} = e_{12}$$

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$$\frac{\partial^2 U}{\partial s^2} = \frac{\partial^2 U}{\partial x^2} \cos^2 \alpha + \frac{\partial^2 U}{\partial y^2} \sin^2 \alpha + \frac{\partial^2 U}{\partial x \partial y} \sin 2\alpha$$

$$\frac{\partial^2 h}{\partial n^2} = \frac{\partial^2 h}{\partial x^2} \sin^2 \alpha + \frac{\partial^2 h}{\partial y^2} \cos^2 \alpha - \frac{\partial^2 h}{\partial x \partial y} \sin 2\alpha$$

$$\left(\frac{\partial^2 h}{\partial x^2} - \frac{\partial^2 h}{\partial y^2} \right) = \left(\frac{\partial^2 h}{\partial y^2} - \frac{\partial^2 h}{\partial x^2} \right) \cos 2\alpha - 2 \frac{\partial^2 h}{\partial x \partial y} \sin 2\alpha$$

$$\frac{\partial^2 h}{\partial n \partial s} = \left(\frac{\partial^2 h}{\partial y^2} - \frac{\partial^2 h}{\partial x^2} \right) \frac{\sin 2\alpha}{2} + \frac{\partial^2 h}{\partial x \partial y} \cos 2\alpha$$

I
Kétszögletű

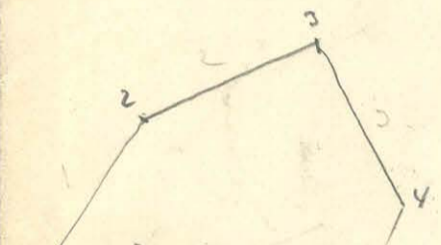


$$\int \frac{\partial}{\partial s} \left(\frac{\partial h}{\partial n} \right) ds = \int \frac{\partial}{\partial n} \left(\frac{\partial h}{\partial s} \right) ds \quad \text{az az!}$$

$$\left(\frac{\partial h}{\partial n} \right)' - \left(\frac{\partial^2 h}{\partial n^2} \right) = \int \frac{\partial}{\partial n} \left(\frac{\partial^2 h}{\partial n \partial s} \right) ds$$

$$\frac{\partial^2 h}{\partial x^2} = (xx) \quad \frac{\partial^2 h}{\partial y^2} = (yy) \text{ etc.}$$

Polygon



$$N_1^2 = \int_1^2 \frac{\partial}{\partial n} (ns) ds = (xx)_2 \sin^2 \alpha_{12} + (yy)_2 \cos^2 \alpha_{12} - (xy)_2 \sin 2\alpha_{12} - (xx)_1 \sin^2 \alpha_{12} - (yy)_1 \cos^2 \alpha_{12} + (xy)_1 \sin 2\alpha_{12}$$

$$N_2^2 = \int_2^3 \frac{\partial}{\partial n} (ns) ds = (xx)_3 \sin^2 \alpha_{23} + (yy)_3 \cos^2 \alpha_{23} - (xy)_3 \sin 2\alpha_{23} - (xx)_2 \sin^2 \alpha_{23} - (yy)_2 \cos^2 \alpha_{23} + (xy)_2 \sin 2\alpha_{23}$$

$$N_3^4 = \int_3^4 \frac{\partial}{\partial n} (ns) ds = (xx)_4 \sin^2 \alpha_{34} + (yy)_4 \cos^2 \alpha_{34} - (xy)_4 \sin 2\alpha_{34} - (xx)_3 \sin^2 \alpha_{34} - (yy)_3 \cos^2 \alpha_{34} + (xy)_3 \sin 2\alpha_{34}$$

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$$N_4^1 = \int_4^1 \frac{\partial}{\partial n} (ns) ds = (xx)_1 \sin^2 \alpha_{41} + (yy)_1 \cos^2 \alpha_{41} - (xy)_1 \sin 2\alpha_{41} - (xx)_4 \sin^2 \alpha_{41} - (yy)_4 \cos^2 \alpha_{41} + (xy)_4 \sin 2\alpha_{41}$$

Két pont.

$$(xx)_2 - (xx)_1 = N_1^2 - \left\{ (yy)_2 - (yy)_1 - (xy)_2 - (xy)_1 \right\} \cos^2 \alpha_{12} + \left\{ (xy)_2 - (xy)_1 \right\} \sin 2\alpha_{12}$$

$$(yy)_2 - (yy)_1 = N_1^2 + \left\{ (yy)_2 - (yy)_1 - (xy)_2 - (xy)_1 \right\} \sin^2 \alpha_{12} + \left\{ (xy)_2 - (xy)_1 \right\} \sin 2\alpha_{12}$$

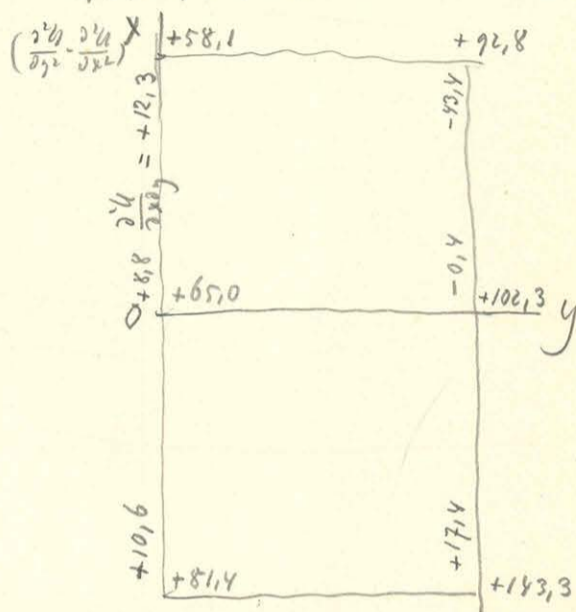
Példa. megvilágítás a 4 ik hatványig.

$$1) \frac{\partial^4 u}{\partial y^2 \partial x^2} - \frac{\partial^4 u}{\partial x^2} = 2(a_{22} - a_{11}) + 6a_{222}y - 6a_{111}x + 12a_{2222}y^2 - 12a_{1111}x^2 \\ + 2a_{222}x - 2a_{112}y + 2a_{222}(x^2 - y^2) \\ + 6(a_{222} - a_{112})xy$$

$$2) \frac{\partial^4 u}{\partial x \partial y} = +a_{12} + 2a_{112}x + 3a_{1122}x^2 \\ + 2a_{222}y + 4a_{112}xy \\ + 3a_{222}y^2$$

a 2) egyenletéből a 6 pronom vektorokhoz

a 2) esetben mellett valahán
3, 5, 13, 15, 23, 25 állókra számol



$$\begin{aligned}
 U = & a_0 + a_1 x + a_{11} x^2 + a_{111} x^3 + a_{1111} x^4 + a_{11111} x^5 + a_3 z + a_{33} z^2 + a_{333} z^3 + a_{1113} x^3 z \\
 & + a_{12} y + a_{12} x y + a_{112} x^2 y + a_{112} x^2 y + a_{1122} x^2 y^2 + a_{1122} x^2 y^2 + a_{1122} x^2 y^2 + a_{1122} x^2 y^2 \\
 & + a_{22} y^2 + a_{122} x y^2 + a_{1122} x^2 y^2 + a_{1122} x^2 y^2 + a_{1122} x^2 y^2 + a_{1122} x^2 y^2 + a_{1122} x^2 y^2 + a_{1122} x^2 y^2 \\
 & + a_{222} y^3 + a_{1222} x y^3 + a_{11222} x^2 y^3 + a_{11222} x^2 y^3 + a_{11222} x^2 y^3 + a_{11222} x^2 y^3 + a_{11222} x^2 y^3 + a_{11222} x^2 y^3 \\
 & + a_{2222} y^4 + a_{12222} x y^4 + a_{112222} x^2 y^4 + a_{112222} x^2 y^4 + a_{112222} x^2 y^4 + a_{112222} x^2 y^4 + a_{112222} x^2 y^4 + a_{112222} x^2 y^4 \\
 & + a_{22222} y^5 + a_{122222} x y^5 + a_{1122222} x^2 y^5 + a_{1122222} x^2 y^5 + a_{1122222} x^2 y^5 + a_{1122222} x^2 y^5 + a_{1122222} x^2 y^5 + a_{1122222} x^2 y^5 \\
 & + a_{13} z + a_{113} x z + a_{1113} x^3 z + a_{123} y z + a_{1123} x y z + a_{1123} x y z + a_{1123} x y z + a_{1123} x y z \\
 & + a_{23} y z + a_{223} y^2 z + a_{1123} x^2 y z + a_{1123} x^2 y z + a_{1123} x^2 y z + a_{1123} x^2 y z + a_{1123} x^2 y z + a_{1123} x^2 y z \\
 & + a_{1233} x z^2 + a_{11233} x^2 z^2 + a_{11233} x^2 z^2 + a_{1233} x z^2 + a_{11233} x^2 z^2 + a_{11233} x^2 z^2 + a_{11233} x^2 z^2 + a_{11233} x^2 z^2 \\
 & + a_{233} y z^2 + a_{2233} y^2 z^2 + a_{11233} x^2 y z^2 + a_{11233} x^2 y z^2 + a_{11233} x^2 y z^2 + a_{11233} x^2 y z^2 + a_{11233} x^2 y z^2 + a_{11233} x^2 y z^2 \\
 & + a_{1333} z^3 + a_{2333} y z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 \\
 & + a_{2333} y z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3 + a_{11333} x z^3
 \end{aligned}$$

$$\begin{aligned}
 \frac{\partial U}{\partial x} = & a_1 + 2a_{11}x + 3a_{111}x^2 + 4a_{1111}x^3 + 5a_{11111}x^4 + a_{13}z + 2a_{113}xz + 3a_{1113}x^3z \\
 & + a_{12}y + 2a_{112}xy + 3a_{112}x^2y + 4a_{1122}x^2y^2 + a_{123}yz + 2a_{1123}xy^2z \\
 & + a_{122}y^2 + 2a_{1122}xy^2 + 3a_{1122}x^2y^2 + a_{1123}y^2z \\
 & + a_{1222}y^3 + 2a_{11222}xy^3 + a_{11222}x^2y^3 + 2a_{1133}xz^2 \\
 & + a_{12222}y^4 + a_{112222}xy^4 + a_{112222}x^2y^4 + a_{1333}z^3
 \end{aligned}$$

$$\begin{aligned}
 \frac{\partial U}{\partial y} = & a_2 + a_{12}x + a_{112}x^2 + a_{112}x^3 + a_{1122}x^4 \\
 & + 2a_{22}y + 2a_{122}xy + 2a_{1122}x^2y + 2a_{1122}x^3y \\
 & + 3a_{222}y^2 + 3a_{1222}xy^2 + 3a_{11222}x^2y^2 \\
 & + 4a_{2222}y^3 + 4a_{12222}xy^3 + 5a_{112222}y^4
 \end{aligned}$$

$$\frac{\partial U}{\partial z} = a_3$$

$$\begin{aligned}
 \frac{\partial^2 U}{\partial x^2} = & +2a_{11} + 6a_{111}x + 12a_{1111}x^2 + 20a_{11111}x^3 + 2a_{13}z + 6a_{113}xz \\
 & + 2a_{112}y + 6a_{112}xy + 12a_{1122}x^2y + 2a_{1123}yz \\
 & + 2a_{122}y^2 + 6a_{1122}xy^2 + 6a_{1122}x^2y^2 + 2a_{1133}z^2 \\
 & + 2a_{11222}xy^3
 \end{aligned}$$

$$\begin{aligned}
 \frac{\partial^2 U}{\partial y^2} = & +2a_{22} + 2a_{12}x + 2a_{112}x^2 + 2a_{1122}x^3 \\
 & + 6a_{222}y + 6a_{1222}xy + 6a_{11222}x^2y \\
 & + 12a_{2222}y^2 + 12a_{12222}xy^2 + 20a_{112222}y^3
 \end{aligned}$$

$$\begin{aligned}
 \frac{\partial^2 U}{\partial x \partial y} = & +a_{12} + 2a_{112}x + 3a_{112}x^2 + 4a_{1122}x^3 \\
 & + 2a_{122}y + 4a_{1122}xy + 6a_{1122}x^2y \\
 & + 3a_{1222}y^2 + 6a_{11222}xy^2 + 4a_{112222}y^3
 \end{aligned}$$

$$K_2 = \left(\frac{\partial^2 u}{\partial x^2}\right)_2 - \left(\frac{\partial^2 u}{\partial x^2}\right)_1$$

$$-\frac{\partial^2 u}{\partial z^2} = +\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial z^2}$$

$$\left(\frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial z^2}\right)_2 = 2\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial z^2}$$

$$2\frac{\partial^2 u}{\partial z^2} = () - \frac{\partial^2 u}{\partial z^2}$$

$$2K_{12} = 2\left(\frac{\partial^2 u}{\partial x^2}\right)_2 - 2\left(\frac{\partial^2 u}{\partial x^2}\right)_1 = (2) - (2) - \left(\frac{\partial^2 u}{\partial z^2}\right)_2 - \frac{1}{2}(1) + \left(\frac{\partial^2 u}{\partial z^2}\right)_1$$

$$\left(\frac{\partial^2 u}{\partial z^2}\right)_2 - \left(\frac{\partial^2 u}{\partial z^2}\right)_1 = (2) - (1) - 2K_{12}$$

$$\frac{\partial^2 u}{\partial z^2} = \frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial z^2}$$

$$() = \frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial z^2}$$

U értékei B értékekkel

109 U

I	U_1
II	$U_1 - 30,93s^2 + \frac{1}{2}cs^2$
III	$U_1 - 16,32s^2 + \frac{1}{2}cs^2$
IV	$U_1 + 40,42s^2$
V	$U_1 + 83,84s^2 + \frac{3}{4}cs^2$
VI	$U_1 + 21,75s^2 + \frac{5}{4}cs^2$
VII	$U_1 + 51,86s^2 + \frac{5}{4}cs^2$
VIII	$U_1 + 91,38s^2 + \frac{2}{4}cs^2$
IX	$U_1 + 131,03s^2 + 6s^2$
X	$U_1 + 46,11s^2 + \frac{6}{4}cs^2$
XI	$U_1 + 47,75s^2 + \frac{6}{4}cs^2$
XII	$U_1 + 105,71s^2 + cs^2$
XIII	$U_1 + 130,69s^2 + \frac{3}{4}cs^2$
XIV	$U_1 + 36,86s^2 + \frac{5}{4}cs^2$
XV	$U_1 + 28,86s^2 + \frac{5}{4}cs^2$
XVI	$U_1 + 79,01s^2 + \frac{5}{4}cs^2$
XVII	$U_1 + 80,50s^2$
XVIII	$U_1 - 17,46s^2 + \frac{1}{4}cs^2$
XIX	$U_1 - 36,20s^2 + \frac{2}{4}cs^2$
XX	$U_1 + 3,76s^2$

A

B

Bemfolyás

tevin $\left\{ \frac{\partial u}{\partial x} = 0 \right\}$ $\left\{ \frac{\partial u}{\partial y} = 0 \right\}$ az h konstans
 $\xi = -91,262s - cs$ $\eta = -56,739s + \frac{3}{4}cs$

	$10^9 \frac{\partial u}{\partial x}$	$10^9 \frac{\partial u}{\partial y}$
I	ξ	η
II	$\xi + 15,38s$	$\eta + 57,62s - \frac{c}{2}s$
III	$\xi + 26,60s$	$\eta + 91,07s - cs$
IV	$\xi + 21,96s$	$\eta + 135,84s - \frac{3}{2}cs$
V	$\xi + 14,83s + \frac{1}{2}cs$	$\eta - 8,50s$
VI	$\xi + 51,78s + \frac{1}{2}cs$	$\eta + 39,73s - \frac{c}{2}s$
VII	$\xi + 59,60s + \frac{1}{2}cs$	$\eta + 87,50s - cs$
VIII	$\xi + 58,65s + \frac{1}{2}cs$	$\eta + 144,44s - \frac{3}{2}cs$
IX	$\xi + 73,31s + cs$	$\eta - 15,36s$
X	$\xi + 82,02s + cs$	$\eta + 30,31s - \frac{c}{2}s$
XI	$\xi + 91,14s + cs$	$\eta + 81,37s - cs$
XII	$\xi + 95,21s + cs$	$\eta + 142,55 - \frac{3}{2}cs$
XIII	$\xi + 109,88s + \frac{3}{2}cs$	$\eta - 25,16s$
XIV	$\xi + 118,99s + \frac{3}{2}cs$	$\eta + 22,22s - \frac{c}{2}s$
XV	$\xi + 129,05s + \frac{3}{2}cs$	$\eta + 71,05s - cs$
XVI	$\xi + 140,71s + \frac{3}{2}cs$	$\eta + 131,92s - \frac{3}{2}cs$
XVII	$\xi + 173,02s + 2cs$	$\eta - 29,16s - \frac{c}{2}s$
XVIII	$\xi + 172,17s + 2cs$	$\eta + 17,73s - \frac{c}{2}s$
XIX	$\xi + 183,59s + 2cs$	$\eta + 54,90s - cs$
XX	$\xi + 207,35s + 2cs$	$\eta + 110,71s - \frac{3}{2}cs$

	$10^9 \frac{\partial u}{\partial x}$	$10^9 \frac{\partial u}{\partial y}$
I	$-91,26s - cs$	$-56,74s + \frac{3}{4}cs$
II	$-75,88s - cs$	$-5,12s + \frac{1}{4}cs$
III	$-64,66s - cs$	$+34,33s - \frac{1}{4}cs$
IV	$-69,30s - cs$	$+79,10s - \frac{3}{4}cs$
V	$-76,43s - \frac{1}{2}cs$	$-65,24s + \frac{3}{4}cs$
VI	$-39,48s - \frac{1}{2}cs$	$-17,01s + \frac{1}{4}cs$
VII	$-31,66s - \frac{1}{2}cs$	$+30,76s - \frac{1}{4}cs$
VIII	$-32,61s - \frac{1}{2}cs$	$+87,70s - \frac{3}{4}cs$
IX	$-17,95s$	$-72,10s + \frac{3}{4}cs$
X	$-9,24s$	$-26,42s + \frac{1}{4}cs$
XI	$-0,12s$	$+24,63s - \frac{1}{4}cs$
XII	$+3,95s$	$+85,87s - \frac{3}{4}cs$
XIII	$+18,62s + \frac{1}{2}cs$	$-87,90s + \frac{3}{4}cs$
XIV	$+27,73s + \frac{1}{2}cs$	$-34,52s + \frac{1}{4}cs$
XV	$+37,79s + \frac{1}{2}cs$	$+14,31s - \frac{1}{4}cs$
XVI	$+49,45s + \frac{1}{2}cs$	$+75,18s - \frac{3}{4}cs$
XVII	$+81,76s + cs$	$-85,90s + \frac{3}{4}cs$
XVIII	$+80,91s + cs$	$-39,01s + \frac{1}{4}cs$
XIX	$+92,33s + cs$	$-1,84s - \frac{1}{4}cs$
XX	$+116,09s + cs$	$+53,97s - \frac{3}{4}cs$

$20\xi + 1825,24s + 20cs$ $20\eta + 1134,78s - 15cs$

$\xi = 0$ ad $\xi = -91,262s - cs$

$\eta = 0$ ad $\eta = -56,739s + \frac{3}{4}cs$

C

$$10^2 \frac{\partial u}{\partial x} - 10^2 \frac{\partial^2 u}{\partial x^2} \quad 10^2 \frac{\partial u}{\partial y} - 10^2 \frac{\partial^2 u}{\partial y^2}$$

- I
- II
- III
- IV
- V
- VI
- VII
- VIII
- IX
- X
- XI
- XII
- XIII
- XIV
- XV
- XVI
- XVII
- XVIII
- XIX
- XX

- II
- III
- IV
- VII
- XII
- XVI
- XX
- XIX
- XVIII
- XVII
- XVI
- XV
- XIV
- XIII
- XII
- XI
- X
- IX
- VIII
- VII
- VI
- V
- IV
- III
- II

$\frac{\Delta \eta}{\Delta x}$	Kiszámítás	$\frac{\partial \eta}{\partial y}$	$\frac{\Delta \eta}{\Delta x}$	Kiszámítás	$\frac{\partial \eta}{\partial x}$
XIV - XIII	$-\frac{c}{2} + 45,02$	XIII	+9,82	XIII	$\xi + 109,88 + \frac{c}{2}$
XV - XIV	$-\frac{c}{2} + 45,67$	XIV	+11,25	XIV	$\xi + 118,14 + \frac{c}{2}$
XVI - XV	$-\frac{c}{2} + 59,54$	XV	+14,43	XV	$\xi + 127,83 + \frac{c}{2}$
	$\xi = +150,23$	XVI	35,50	XVI	$\xi + 140,70 + \frac{c}{2}$
Összesen	157,07		30,83		
Összesen	2,28		4,67		
	6,85		1,56		

$\frac{\Delta \eta}{\Delta x}$	Kiszámítás	$\frac{\partial \eta}{\partial y}$	$\frac{\Delta \eta}{\Delta x}$	Kiszámítás	$\frac{\partial \eta}{\partial x}$
XIV - XVIII	+5,36	XVIII	$-\frac{c}{2} - 49,56$	XVIII	$\xi + 172,17 + 2c$
X - XIV	+9,20	XIV	$-\frac{c}{2} - 34,48$	XIV	$\xi + 119,83 + \frac{c}{2}$
VI - X	+9,63	X	$-\frac{c}{2} - 27,70$	X	$\xi + 82,57 + c$
II - VI	+12,91	VI	$-\frac{c}{2} - 33,94$	VI	$\xi + 52,09 + \frac{c}{2}$
	+37,10	II	-145,68	II	$\xi + 15,37$
Összesen	3,21		-156,14		
			4,11		
			2,78		

$\frac{\Delta \eta}{\Delta x}$	Kiszámítás	$\frac{\partial \eta}{\partial y}$	$\frac{\Delta \eta}{\Delta x}$	Kiszámítás	$\frac{\partial \eta}{\partial x}$
XV - XIX	+18,29	XIX	$-\frac{c}{2} - 51,60$	XIX	$\xi + 183,59 + 2c$
XI - XV	+11,22	XV	$-\frac{c}{2} - 35,67$	XV	$\xi + 130,26 + 3\frac{c}{2}$
VII - XI	+6,79	XI	$-\frac{c}{2} - 29,98$	XI	$\xi + 92,86 + c$
III - VII	+4,57	VII	$-\frac{c}{2} - 32,83$	VII	$\xi + 61,15 + \frac{c}{2}$
	40,87	III	-150,08	III	$\xi + 26,59$
	36,17		-156,99		
	4,70		17,8		
	1,18		6,91		

$\frac{\partial \eta}{\partial x}$	$\frac{\partial \eta}{\partial x}$	Kiszámítás	$\frac{\partial \eta}{\partial y}$	$\frac{\partial \eta}{\partial y}$	Kiszámítás
VI	$\xi + 57,47 + \frac{c}{2}$	$\xi + 52,09 + \frac{c}{2}$	$\xi + 51,78 + \frac{c}{2}$	VI	$\eta + 39,93 - \frac{c}{2}$
VII	$\xi + 58,04 + \frac{c}{2}$	$\xi + 61,15 + \frac{c}{2}$	$\xi + 59,60 + \frac{c}{2}$	VII	$\eta + 87,04 - c$
X	$\xi + 81,53 + c$	$\xi + 82,57 + c$	$\xi + 82,02 + c$	X	$\eta + 29,92 - \frac{c}{2}$
XI	$\xi + 89,42 + c$	$\xi + 92,86 + c$	$\xi + 91,14 + c$	XI	$\eta + 80,68 - c$
XIV	$\xi + 118,14 + 3\frac{c}{2}$	$\xi + 119,83 + 3\frac{c}{2}$	$\xi + 118,99 + 3\frac{c}{2}$	XIV	$\eta + 22,14 - \frac{c}{2}$
XV	$\xi + 127,83 + 3\frac{c}{2}$	$\xi + 130,26 + 3\frac{c}{2}$	$\xi + 129,05 + 3\frac{c}{2}$	XV	$\eta + 70,09 - c$
					$\eta + 39,52 - \frac{c}{2}$
					$\eta + 87,66 - c$
					$\eta + 30,69 - \frac{c}{2}$
					$\eta + 82,05 - c$
					$\eta + 22,29 - \frac{c}{2}$
					$\eta + 72,01 - c$
					$\eta + 71,05 - c$