

Ms 5097/S1-52.

Eötvös Loránd jelzetű, Polgári  
felhívás felhívás

2 kötet bor.

M. TUD. AKADEMIA  
KÖZIRATI ÉS NYELVTUDOMÁNYI  
1972. ÉV 17. SZ.

Fogadekett februar

februarsig

A 1885. veckof valsnak

latsikt, oilelett

1. Terpentinoel. $t = 168$ $\tilde{T} = 441$	$\mu = 760$ $\mu^2$ :	$\frac{u}{\lambda} = 186,0$	$\lambda = 5,7110$ $\lambda^2 = 32,609$	$f = 1,370$ $f^2 = 2,587$
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I. $\frac{u}{\lambda} \frac{\mu}{\tilde{T}}$  322,0 <del>277,59</del> $t_1 = 41$	II. $\frac{\mu^2 \tilde{T}}{1000 f^2}$  99022 <del>5947,9</del> <del>59480</del> $t_2 = 42,5$	III. $1000000 \frac{f}{\lambda^2}$  214,9 <del>292,7</del> $t_3 = 42,5$	$10000 \frac{f \lambda^2}{\tilde{T}}$  1015 <del>1090</del> $t_4 = 46$  $f \lambda^2 = 44,77$	I x III = IV
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2. Ameisensäure $t = 100$ $\tilde{T} = 270$	$\mu = 763,5$	$\frac{u}{\lambda} = 41,1$	$\lambda = 2,451$ $\lambda^2 = 11,91$	$f = 2,949$ $f^2 = 25,64$
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<del>255,1</del> 84,06	<del>42620</del> 84,860	<del>451,2</del> 1119	<del>1454</del> 940,8  $f \lambda^2 = 25,11$	
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2. Methylisoamyläther  
 $t = 91$   $\bar{T} = 264$

$$\mu = 765,7$$

$$\frac{\mu}{t_3} = 148,1$$

$$\lambda = 5,29$$

$$f = 1,402$$

$$\lambda^2 = 27,99$$

$$f^2 = 2,754$$

311,4

77400

246,1

1077

$$t_1 = 40$$

$$t_2 = 40$$

$$t_3 = 40$$

$$t_4 = 40$$

$$f\lambda^2 = 29,23$$

4. Acetessigester  
 $t = 180$   $\bar{T} = 450$

$$\mu = 754,5$$

$$\frac{\mu}{t_3} = 150,24$$

$$\lambda = 5,35$$

$$f = 1,666$$

$$\lambda^2 = 28,64$$

$$f^2 = 4,626$$

255,4

55746

412,6

1050

$$t_1 = 34,5$$

$$t_2 = 37$$

$$t_3 = 36$$

$$t_4 = 42$$

$$f\lambda^2 = 17,70$$

5. Anisol  $t = 155$   $\bar{r} = 428$   $\mu = 757,4$   $t_3 = 125,21$   $\lambda = 5,002$   $\lambda^2 = 25,03$   $f = 1,958$   $f^2 = 7,502$

I.  $\frac{\mu}{\bar{r}}$   $t_1 = 30$  II.  $\frac{\mu \cdot \bar{r}}{10^3 \cdot f^2}$   $t_2 = 31$  III.  $10^6 \frac{f}{\mu \lambda}$   $t_3 = 31$  IV.  $10^4 \frac{f \lambda^2}{\bar{r}}$   $t_4 = 34$

221,6  $t_1 = 30$  327,26  $t_2 = 31$  516,7  $t_3 = 31$  1145  $t_4 = 34$

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$f \lambda^2 = 48,99$

6. Methylparacetolát  $t = 175,5$   $\bar{r} = 448,5$   $\mu = 762,0$   $t_3 = 147,99$   $\lambda = 5,287$   $\lambda^2 = 27,95$   $f = 1,760$   $f^2 = 5,475$

251,2  $t_1 = 34$  476,01  $t_2 = 35$  437,0  $t_3 = 35$  1098  $t_4 = 38$

$f \lambda^2 = 49,26$

7. Dimethylresorcin  
 $t = 214$   $T = 487$

$$\rho = 759,4$$

$$\frac{\mu}{s} = 157,10$$

$$\lambda = 5,296$$

$$f = 1,794$$

$$\lambda^2 = 29,12$$

$$f^2 = 5,775$$

245,0

$$t_1 = 32,5$$

48628

$$t_2 = 35$$

137,8

$$t_3 = 35$$

1073

$$t_4 = 41$$

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KOMITARA

$$f\lambda^2 = 52,23$$

8. Pinacolin  
 $t = 105$   $T = 278$

$$\rho = 758,7$$

$$\frac{\mu}{s} = 128,0$$

$$\lambda = 5,171$$

$$f = 1,541$$

$$\lambda^2 = 26,740$$

$$f^2 = 2,375$$

277,6

$$t_1 = 36,5$$

59480

$$t_2 = 37,5$$

392,7

$$t_3 = 37,5$$

1090

$$t_4 = 39$$

$$f\lambda^2 = 41,20$$

9  
 Isobutylchlorid  $\rho = 761$   $\bar{M}_v = 114,0$   $\lambda = 4,850$   $f = 1,667$   
 $t = 68$   $\bar{r} = 341$   $\lambda^2 = 23,55$   $f^2 = 4,683$

I. $\frac{4}{5} \frac{t_1}{t_2}$	II. $\frac{\rho^2 \bar{r}}{10^3 f^2}$	III. $10^6 \frac{f}{\rho \lambda}$	IV. $10^4 \frac{f \lambda^2}{\bar{r}}$
255,1 $t_1 = 34$	42624 $t_2 = 34$	451,4 $t_3 = 34$	1151 $t_4 = 34$  $f \lambda^2 = 29,26$

10  
 Isomylchlorid  $\rho = 758,4$   $\bar{M}_v = 107,4$   $\lambda = 5,12$   $f = 1,588$   
 $t = 99,5$   $\bar{r} = 272,5$   $\lambda^2 = 26,24$   $f^2 = 4,008$

272,6 $t_1 = 36$	50451 $t_2 = 36$	408,9 $t_3 = 36$	1118 $t_4 = 33$  $f \lambda^2 = 11,67$
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<p>" Benzilchlorid  <math>t = 178, \quad T = 451</math></p>	<p><math>p = 760,5</math></p>	<p><math>\frac{u}{v} = 125,5</math></p>	<p><math>\lambda = 5,126</math>  <math>\lambda^2 = 26,28</math></p>	<p><math>f = 1,985</math>  <math>f^2 = 7,823</math></p>
<p>229,4  <math>t_1 = 31</math></p>	<p>33607  <math>t_2 = 31</math></p>	<p>506,2  <math>t_3 = 32</math></p>	<p>1161  <math>t_4 = 33</math>   <math>\sqrt{\lambda^2} = 52,37</math></p>	
<p>" Propylenchlorid  <math>t = 97,5 \quad T = 370,5</math></p>	<p><math>p = 760,0</math></p>	<p><math>\frac{u}{v} = 107,6</math></p>	<p><math>\lambda = 4,756</math>  <math>\lambda^2 = 22,620</math></p>	<p><math>f = 2,031</math>  <math>f^2 = 8,380</math></p>
<p>220,8  <math>t_1 = 30</math></p>	<p>25557  <math>t_2 = 28,5</math></p>	<p>561,7  <math>t_3 = 29</math></p>	<p>1240  <math>t_4 = 26</math>   <math>\sqrt{\lambda^2} = 45,95</math></p>	



13. Benzilydenchlorid  
 $t = 202,5$   $T = 426,5$

$$\mu = 756,2$$

$$\frac{\mu}{\lambda} = 154,25$$

$$\lambda' = 5,360$$

$$\lambda'' = 28,76$$

$$f = 2,055$$

$$f'' = 8,683$$

I.  
 $\frac{\mu}{\lambda} \frac{\lambda'}{\lambda''}$

$$244,8$$

$$t_1 = 32,5$$

II.  
 $\frac{\mu^2 \lambda'}{10^2 \lambda''}$

$$31380$$

$$t_2 = 31$$

III.  
 $10^6 \frac{\mu}{\lambda \lambda''}$

$$506,8$$

$$t_3 = 31,5$$

IV.

$$10^4 \frac{\lambda'^2}{\lambda''}$$

$$1241$$

$$t_4 = 26$$

$$f \lambda'' = 59,11$$

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14. Aethylbromid  
 $t = 38,4$   $T = 211,4$

$$\mu = 782,4$$

$$\frac{\mu}{\lambda} = 77,07$$

$$\lambda = 4,256$$

$$\lambda'' = 18,11$$

$$f = 2,226$$

$$f'' = 11,031$$

$$188,7$$

$$t_1 = 25$$

$$16408$$

$$t_2 = 24,5$$

$$686,1$$

$$t_3 = 25$$

$$1295$$

$$t_4 = 22$$

$$f \lambda'' = 40,31$$

15. Isobutylbromid  
 $t = 90,5$   $\bar{T} = 363,5$

$$\rho = 758,4$$

$$\frac{\mu}{v_1} = 118,4$$

$$\lambda = 4,910$$

$$f = 1,776$$

$$\lambda^2 = 24,11$$

$$f^2 = 5,598$$

247,0  
 $t_1 = 33$

37,340  
 $t_2 = 32,5$

476,8  
 $t_3 = 33$

1178  
 $t_4 = 31,5$

$$f\lambda^2 = 42,81$$

16. Isoamylbromid  
 $t = 118,5$   $\bar{T} = 391,5$

$$\rho = 756,0$$

$$\frac{\mu}{v_1} = 128,6$$

$$\lambda = 5,175$$

$$f = 1,665$$

$$\lambda^2 = 26,782$$

$$f^2 = 4,614$$

267,7  
 $t_1 = 35,5$

48,533  
 $t_2 = 35,5$

425,3  
 $t_3 = 35,5$

1139  
 $t_4 = 35$

$$f\lambda^2 = 44,58$$

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14. Methylheuraat $t = 200$ $J = 473$	$p = 754.7$ $p^2 = 569540$	$\lambda = 5.334$ $\lambda^2 = 28.45$ $\lambda^3 = 151.8$	$a^2 = 3.982$ $s = 0.8938$	$f = 1.7795$ $f^3 = 5.6356$
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$\frac{\mu}{s} \cdot \frac{p}{J}$  242.2	$\frac{p^2 J}{1000 f^3}$  47803	$\frac{1000000 f}{p \lambda}$  44203	$\frac{10000 f \lambda^2}{J}$  1070.6	  $f \lambda^2 = 50.64$
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15. Acetylheuraat $t = 213$ $J = 486$	$p = 758.5$ $p^2 = 575320$	$\lambda = 5.591$ $\lambda^2 = 31.262$ $\lambda^3 = 174.8$	$a^2 = 3.709$ $s = 0.8561$	$f = 1.587$ $f^3 = 4.002$
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  272.81	  69865	  374.36	  1021.30	  $f \lambda^2 = 49.63$
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18. Fenetal

$$p = 763$$

$$A = 5.2955$$

$$a^2 = 4.12$$

$$f = 15.22$$

$$t = 171.5, J = 444.5$$

$$p^2 = 582170$$

$$A^2 = 28.04$$

$$A = 0.7391$$

$$f^3 = 35.28$$

$$A^3 = 148.5$$

25496

73314

376.80

960.70

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$$fA^2 = 42.69$$

21. Furfural

$$p = 753.4$$

$$A = 4.5712$$

$$a^2 = 5.195$$

$$f = 2.604$$

$$t = 160, J = 433$$

$$p^2 = 567610$$

$$A^2 = 20.896$$

$$A = 1.0026$$

$$f^3 = 17.663$$

$$A^3 = 95.52$$

166.20

13914

756.19

1256.8

$$fA^2 = 54.41$$

H. J. Methylformiat $t = 32.4$ $T = 305.4$	$p = 761.4$ $p^2 = 579733$	$\lambda = 3.97063$ $\lambda^2 = 15.766$ $\lambda^3 = 62.6$	$a^2 = 4.94$ $\lambda = 0.95625$	$f = 2.362$ $f^3 = 13.1776$
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$\frac{t}{s} \cdot \frac{p}{s}$ 156.068	$\frac{p^2 T}{1000 f^3}$ 13435	$\frac{10^6 f}{p \lambda}$ 781.28	$10^4 \frac{f \lambda^2}{s}$ 1219.4  $f \lambda^2 = 37.24$	
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H. J. Allylacetat. $t = 102.8$ $T = 375.8$	$p = 752$ $p^2 = 565490$	$\lambda = 4.952$ $\lambda^2 = 24.518$ $\lambda^3 = 121.4$	$a^2 = 4.11$ $\lambda = 0.8218$	$f = 1.689$ $f^3 = 4.8469$
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242.93	44119	453.55	1101.82  $f \lambda^2 = 41.40$	
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H.I.

Dimethylacetat.

t = 62.8 J = 335.8

$$p = 761.2$$

$$p^2 = 579430$$

$$A = 4.803$$

$$A^2 = 23.068$$

$$A^3 = 89.80$$

$$a^2 = 4.30$$

$$s = 0.8105$$

$$f = 1.7425$$

$$f^3 = 5.291$$

257.16

~~274.41~~

36774

~~69406~~

476.6

~~274.45~~

1197.1

~~1027.5~~

40.19

$$fA^2 = 47.16$$

H.I.

Aethylacetat.

t = 186. J = 459

$$p = 758.3$$

$$p^2 = 575020$$

$$A = 5.497$$

$$A^2 = 30.216$$

$$A^3 = 166.8$$

$$a^2 = 3.56$$

$$s = 0.8769$$

$$f = 1.561$$

$$f^3 = 3.802$$

274.41

69406

374.45

1027.5

$$fA^2 = 47.16$$

22 Valeraldehyd.

$$p = 762.4$$

$$A = 4.9185$$

$$a^2 = 4.611$$

$$f = 1.662$$

$$t = 93, J = 366$$

$$p^2 = 580800$$

$$A^2 = 24.192$$

$$A = 0.7211$$

$$f^3 = 4.5958$$

$$A^3 = 118.99$$

$$\frac{\mu}{s} \cdot \frac{p}{J}$$

$$\frac{p^2 J^p}{1000 f^3}$$

$$10^6 \frac{f}{pA}$$

$$10^4 \frac{f A^2}{J}$$

$$247.76$$

$$46257$$

$$443.55$$

$$1098.9$$

$$f A^2 = 40.22$$

24. Carvol

$$p = 763.2$$

$$A = 5.757$$

$$a^2 = 4.029$$

$$f = 1.584$$

$$t = 227.5, J = 500.5$$

$$p^2 = 582440$$

$$A^2 = 3308$$

$$A = 0.7866$$

$$f^3 = 3.979$$

$$A^3 = 190.26$$

$$29012$$

$$73266$$

$$361.00$$

$$1047.3$$

$$38^\circ$$

$$39.5$$

$$39$$

$$43$$

$$f A^2 = 52.419$$

<p>28. Chloroaural.  <math>t = 132, J = 405</math></p>	<p><math>n = 763.5</math>  <math>p^2 = 582930</math></p>	<p><math>\lambda = 4.852</math>  <math>\lambda^2 = 23.549</math>  <math>\lambda^3 = 114.28</math></p>	<p><math>a^2 = 4.211</math>  <math>\lambda = 0.9735</math></p>	<p><math>f = 2.162</math>  <math>f^3 = 10.117</math></p>
<p>215.44  29</p>	<p>23334  28</p>	<p>583.75  28</p>	<p>1257.6  25  <math>f\lambda^2 = 50.93</math></p>	
<p>29 Chloroaural  <math>t = 159.5, J = 432.5</math></p>	<p><math>n = 763.5</math>  <math>p^2 = 58293</math></p>	<p><math>\lambda = 5.128</math>  <math>\lambda^2 = 26.304</math>  <math>\lambda^3 = 134.91</math></p>	<p><math>a^2 = 3.992</math>  <math>\lambda = 0.7428</math></p>	<p><math>f = 1.482</math>  <math>f^3 = 3.260</math></p>
<p>238.15</p>	<p>77337</p>	<p>378.65</p>	<p>901.81  <math>f\lambda^2 = 39.00</math></p>	



<p>29. Triethylamin  <math>t = 89</math> <math>T = 362,0</math></p>	<p><math>\mu = 758,2</math></p>	<p><math>\frac{\mu}{\lambda} = 152,8</math></p>	<p><math>\lambda = 5,358</math>  <math>\lambda^2 = 28,71</math></p>	<p><math>f = 1,290</math>  <math>f^2 = 2,685</math></p>
<p>I  <math>\frac{\mu}{\lambda}</math>  <math>222,2</math>  <math>t_1 = 41</math></p>	<p>II  <math>\frac{\mu \cdot T}{10^3 \lambda^2}</math>  <math>77429</math>  <math>t_2 = 40</math></p>	<p>III  <math>10^6 \frac{f}{\lambda}</math>  <math>042,2</math>  <math>t_3 = 140,5</math></p>	<p>IV  <math>10^4 \frac{f \lambda^2}{T}</math>  <math>1102</math>  <math>t_4 = 38</math>    <math>\sqrt{\lambda^2} = 29,91</math></p>	
<p>30. Anilin  <math>t = 183,1</math> <math>T = 456</math></p>	<p><math>\mu = 758,2</math></p>	<p><math>\frac{\mu}{\lambda} = 106,7</math></p>	<p><math>\lambda = 4,742</math>  <math>\lambda^2 = 22,496</math></p>	<p><math>f = 2,365</math>  <math>f^2 = 10,19</math></p>
<p><math>177,4</math>  <math>t_1 = 24</math></p>	<p><math>19578</math>  <math>t_2 = 26</math></p>	<p><math>657,0</math>  <math>t_3 = 26</math></p>	<p><math>1165</math>  <math>t_4 = 32,5</math>    <math>\sqrt{\lambda^2} = 52,15</math></p>	

НАУКА  
 АКАДЕМИИ НАУК  
 СССР  
 КОПИРА

25.

Allylamin

 $t = 56$     $\tau = 229$  $\mu = 756,2$  $\frac{\mu}{\lambda} = 78,4$  $\lambda = 4,279$  $\lambda^2 = 18,32$  $f = 2,146$  $f^2 = 9,577$ 

I.

 $\frac{\mu}{\lambda}$ 

180,2

 $t_1 = 24,5$ 

II.

 $\frac{\mu^2 \tau}{10^3 \lambda^2}$ 

19046

 $t_2 = 26$ 

III.

 $10^6 \frac{f}{\mu \lambda}$ 

662,9

 $t_3 = 25,5$ 

IV.

 $10^4 \frac{f^2}{\tau}$ 

1195

 $t_4 = 30$  $f \lambda^2 = 39,20$ 

26. Isobutylamin

 $t = 67,7$     $\tau = 240,7$  $\mu = 755,7$  $\frac{\mu}{\lambda} = 106,2$  $\lambda = 4,705$  $\lambda^2 = 22,426$  $f = 1,792$  $f^2 = 5,752$ 

235,6

 $t_1 = 32$ 

33824

 $t_2 = 31$ 

500,8

 $t_3 = 32$ 

1179

 $t_4 = 31$  $f \lambda^2 = 40,18$

<p>27 Amylamin  <math>t = 94,8</math> <math>T = 267,8</math></p>	<p><math>\mu = 754,2</math></p>	<p><math>\frac{\mu}{3} = 126,8</math></p>	<p><math>\lambda = 5,024</math>  <math>\lambda^2 = 25,24</math></p>	<p><math>f = 1,691</math>  <math>f^2 = 4,839</math></p>
<p>260,0  <math>t_1 = 35</math></p>	<p>42222  <math>t_2 = 34</math></p>	<p>446,4  <math>t_3 = 34,5</math></p>	<p>1161  <math>t_4 = 32,5</math>   <math>\lambda^2 = 42,69</math></p>	
<p>28 Acetylamin  <math>t = 56,0</math> <math>T = 229</math></p>	<p><math>\mu = 777,8</math></p>	<p><math>\frac{\mu}{3} = 109,0</math></p>	<p><math>\lambda = 4,776</math>  <math>\lambda^2 = 22,818</math></p>	<p><math>f = 1,668</math>  <math>f^2 = 4,640</math></p>
<p>257,7  <math>t_1 = 34,5</math></p>	<p>42896  <math>t_2 = 34</math></p>	<p>448,9  <math>t_3 = 34,5</math></p>	<p>1157  <math>t_4 = 33</math>   <math>\lambda^2 = 28,06</math></p>	

21. Pyridin  
 $t = 116$   $T = 389$

$$\rho = 759,5$$

$$\frac{\mu}{\lambda} = 89,36$$

$$\lambda = 4,471$$

$$\lambda^2 = 19,99$$

$$f = 2,449$$

$$f^2 = 14,69$$

$$174,5$$
$$t_1 = 23,5$$

$$15278$$
$$t_2 = 23,5$$

$$721,2$$
$$T_9 = 24$$

$$1258$$
$$T_4 = 24,5$$

$$\sqrt{\lambda^2} = 48,95$$

32. Piperidin  
 $t = 105$   $T = 378$

$$\rho = 755,7$$

$$\frac{\mu}{\lambda} = 108,3$$

$$\lambda = 4,767$$

$$\lambda^2 = 22,72$$

$$f = 2,060$$

$$f^2 = 8,781$$

$$216,5$$
$$t_1 = 29,5$$

$$24583$$
$$T_2 = 28,5$$

$$572,7$$
$$t_3 = 29$$

$$1240$$
$$t_4 = 26$$

$$\sqrt{\lambda^2} = 46,98$$

МАТЯК  
ИСТОРИКОС АКАДЕМИЯ  
КОМПЮТЕР

32. <i>Perchlar aethylen</i> $t = 120.5$ , $T = 393.5$	$p = 456.5$ $p^2 = 572290$	$\lambda = 4.8576$ $\lambda^2 = 23.53$ $\lambda^3 = 114.20$	$a^2 = 2.855$ $s = 14488$	$f = 2.068$ $f^3 = 8847$
$\frac{\mu \cdot p}{s \cdot T}$  $219.55$	$\frac{p^2 T}{1000 f^3}$  $25454$	$10^6 \frac{f}{\mu \lambda}$  $563.57$	$10^4 \frac{f \lambda^2}{T}$  $1237.1$  $f \lambda^2 = 48.68$	
33. <i>Trichlar aethan</i> $t = 114$ , $T =$	$p = 759.8$ $p^2 = 577290$	$\lambda = 4.684$ $\lambda^2 = 21.94$ $\lambda^3 = 102.77$	$a^2 = 3.450$ $s = 12949$	$f = 2.239$ $f^3 = 11.23$
$201.77$	$19888$	$629.28$	$1269.6$  $f \lambda^2 = 49.13$	

МАСТАР  
 ИДУМИТРОС АКАДЕМИЯ  
 КОПИЯРА

<p>34. Epichlorhydrin.  <math>t = 116.5</math>, <math>T = 389.5</math></p>	<p><math>\rho = 763.6</math>  <math>\rho^2 = 583080</math></p>	<p><math>\lambda = 4.4331</math>  <math>\lambda^2 = 19.652</math>  <math>\lambda^3 = 87.12</math></p>	<p><math>a^2 = 4.652</math>  <math>S = 1.0588</math></p>	<p><math>f = 2.4629</math>  <math>f^3 = 14.94</math></p>
<p>170.79</p>	<p>15201</p>	<p>727.58</p>	<p>1242.6.   <math>f\lambda^2 = 48.140</math></p>	
<p>35. Chloral.  <math>t = 96.5</math>, <math>T = 369.5</math></p>	<p><math>\rho = 754.6</math>  <math>\rho^2 = 569420</math></p>	<p><math>\lambda = 4.738</math>  <math>\lambda^2 = 22.449</math>  <math>\lambda^3 = 106.37</math></p>	<p><math>a^2 = 3.021</math>  <math>S = 1.3823</math></p>	<p><math>f = 2.088</math>  <math>f^3 = 9.103</math></p>
<p>217.23</p>	<p>23112</p>	<p>584.00</p>	<p>1268.6   <math>f\lambda^2 = 46.87</math></p>	

МАТЯК  
 ТИПОГРАФСКА АКАДЕМИЈА  
 КОПЕНГАГА

25 Nitroethan $t = 114,5$ $T = 387,5$	$p = 760,7$	$\frac{\mu}{\rho} = 80,25$	$\lambda = 4,210$ $\lambda^2 = 18,61$	$f = 2,136$ $f^2 = 9,750$
$157,5$ $t_1 = 20$	$22998$ $t_2 = 27,5$	$651,1$ $t_3 = 26$	$1025$ $t_4 = 45$  $f\lambda^2 = 29,74$	
26 Isoamylnitrat $t = 147$ $T = 420$	$p = 757,8$	$\frac{\mu}{\rho} = 152,59$ $\mu = C_5H_{11}NO_3$ $\mu = 129,7$	$\lambda = 4,226 5,344$ $\lambda^2 = 28,55$	$f = 1,569$ $f^2 = 3,869$
$275,0$ $t_1 = 36,5$	$62026$ $t_2 = 38$	$287,7$ $t_3 = 27,5$	$1067$ $t_4 = 41$  $f\lambda^2 = 44,83$	$t = 7,5$ $a^2 = 5,813$ $\frac{1000}{2,94} \cdot 7,5 = 1,000$ $f = 2,906$ $\frac{\mu}{\rho} = 129,7$ $\lambda = 5,060$ $\lambda^2 = 25,60$ $f\lambda^2 = 74,39$ $\frac{(f\lambda^2)_{147} - (f\lambda^2)_{27,5}}{129,5} = 0,212$

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37. Acetonitril

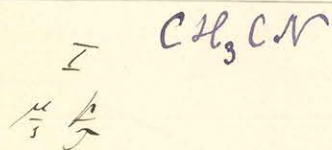
$\tau = 81,2$      $\tau = 354,2$

$\rho = 757,0$

$\frac{\mu}{\lambda} = 57,20$      $\mu = 40,95$

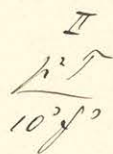
$\lambda = 2,854$   
 $\lambda^2 = 14,85$

$f = 2,164$   
 $f^2 = 10,14$



122,4

$t_1 = 14$



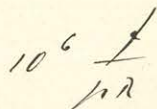
20024

$t_2 = 26$

$\frac{\tau}{\tau_1} = 1,184$

$\tau_2 = 548$   
 $\tau_2 = 275$

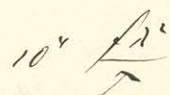
III.



741,6

$t_3 = 23,5$

IV.



907,5     $t_4 = 59$

$f \lambda^2 = 32,14$

$t_0 = 0$      $\delta = 0,835$

$\frac{\mu}{\lambda} = 49,08$

$\lambda = 3,662$      $\lambda^2 = 13,41$

$\alpha_0^2 = 7,990$      $\lambda = 3,336$

$f \lambda^2 = 44,74$

38. Propionitril

$\tau = 97,0$      $\tau = 370$

$\rho = 757,1$

$\frac{\mu}{\lambda} = 78,28$

$\lambda = 4,278$

$\lambda^2 = 18,30$

$f = 4,912$

$f^2 = 6,985$

160,2

$t_1 = 21$

30361

$t_2 = 31,5$

590,2

$t_3 = 28$

985,4

$t_4 = 55,5$

$f \lambda^2 = 24,98$



29. Nitrobenzyl alcohol  
 $t = 129,0$   $T = 402,0$

$\mu = 764,0$

$\frac{\mu}{s} = 119,7$

$\lambda = 4,928$   
 $\lambda^2 = 24,29$

$f = 1,696$   
 $f^2 = 4,875$

227,4  
 $t_1 = 31$

48200  
 $t_2 = 35,5$

450,2  
 $t_3 = 34$

1024  $t_4 = 45,5$

$f\lambda^2 = 51,18$

40. Capromethyl  
 $t = 154$   $T = 427$

$\mu = 762,1$

$\frac{\mu}{s} = 141,1$

$\lambda = 5,206$   
 $\lambda^2 = 27,10$

$f = 1,595$   
 $f^2 = 4,059$

251,8  
 $t_1 = 34$

61097  
 $t_2 = 37,5$

402,1  
 $t_3 = 37$

1012  $t_4 = 46,5$

$f\lambda^2 = 43,20$

17. Brombenzol $t = 156$ $T = 429$	$\rho = 759$	$\frac{\mu}{\rho} = 119,9$	$\lambda = 4,930$ $\lambda^2 = 24,32$	$f = 2,106$ $f^2 = 9,339$
I. $\frac{\mu}{\rho}$  $212,7$ $t_1 = 29$	II. $\frac{\rho \cdot T}{10^3 \rho^2}$  $26,512$ $t_2 = 29$	III. $10^6 \frac{\mu}{\rho \lambda}$  $562,2$ $t_3 = 29$	IV. $10^4 \frac{f \lambda^2}{\rho}$  $1194$ $t_4 = 30$  $f \lambda^2 = 51,20$	
18. Orthobromtoluol $t = 182,5$ $T = 455,5$	$\rho = 761,8$	$\frac{\mu}{\rho} = 141,9$	$\lambda = 5,216$ $\lambda^2 = 27,21$	$f = 1,883$ $f^2 = 6,625$
 $232,7$ $t_1 = 31,5$	 $39494$ $t_2 = 33$	 $470,9$ $t_3 = 33$	 $1125$ $t_4 = 36$  $f \lambda^2 = 51,22$	

19 Acetylenbromid  
 $T = 130,2$   $T = 400,2$

$$\rho = 759,5$$

$$\frac{\mu}{\gamma} = 97,6$$

$$\lambda = 4,604$$

$$\lambda^2 = 21,198$$

$$f = 2,550$$

$$f^2 = 16,58$$

$$183,8$$
$$t_1 = 25$$

$$14029$$
$$t_2 = 22,5$$

$$729,2$$
$$t_3 = 23,5$$

$$1340$$
$$t_4 = 18,5$$

$$f\lambda^2 = 54,06$$

20 Äthyliodid  
 $T = 72,2$   $T = 245,2$

$$\rho = 758,2$$

$$\frac{\mu}{\gamma} = 86,1$$

$$\lambda = 4,416$$

$$\lambda^2 = 19,498$$

$$f = 2,300$$

$$f^2 = 12,168$$

$$189,1$$
$$t_1 = \cancel{25} 25,5$$

$$16312$$
$$t_2 = 24,5$$

$$686,9$$
$$t_3 = 25$$

$$1299$$
$$t_4 = 21,5$$

$$f\lambda^2 = 44,85$$

21. *Strobtyliodid*

$t = 114,5$     $T = 287,5$

$\mu = 760,7$

$\frac{\mu}{\gamma} = 128,2$

$\lambda = 5,044$

$\lambda^2 = 25,44$

$f = 1,828$

$f^2 = 6,106$

I  
 $\frac{\mu}{\gamma}$

251,9

$t_1 = 34$

II  
 $\frac{\mu^2 T}{10^3 f^2}$

36726

$t_2 = 32,5$

III

$10^6 \frac{f}{\mu \lambda}$

476,4

$t_3 = 33$

IV

$10^4 \frac{\lambda^2}{f}$

1199

$t_4 = 30$

$\sqrt{\lambda^2} = 46,49$

22. *Soamyliodid*

$t = 148$     $T = 421$

$\mu = 755,2$

$\frac{\mu}{\gamma} = 151,1$

$\lambda = 5,326$

$\lambda^2 = 28,38$

$f = 1,618$

$f^2 = 4,283$

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271,1

$t_1 = 36$

56742

$t_2 = 36,5$

402,1

$t_3 = 37$

1090

$t_4 = 29$

$\sqrt{\lambda^2} = 45,88$

20.

Loobentol  
 $t = 187,5$   $T = 460,5$

$\rho = 754,5$

$\frac{\mu}{\gamma} = 130,6$

$\lambda = 5,074$

$f = 2,061$

$\lambda^2 = 25,74$

$f^2 = 8,752$

210,9

29954

507,1

1152

$t_1 = 29,5$

$t_2 = 30$

$t_3 = 30$

$t_4 = 33,5$

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$\lambda^2 = 52,05$

24. Propylamin  
 $t = 49,5$   $T = 322,5$

$\rho = 755,5$

$\frac{\mu}{\gamma} = 85,6$

$\lambda = 4,407$

$f = 1,962$

$\lambda^2 = 19,42$

$f^2 = 7,548$

200,5

24286

589,2

1181

$t_1 = 27$

$t_2 = 27$

$t_3 = 27$

$t_4 = 31$

$\lambda^2 = 28,10$

Terpenlinöl.

$t = 168$   $T = 441$

$$\mu = 763$$

$$\mu^2 = 582169$$

$$\frac{\mu}{s} = 186,3$$

$$\lambda = 5,712$$

$$\lambda^2 = 32,62$$

$$f = 1,373$$

$$f^2 = \cancel{1,885} \quad 2,588$$

I.  $\frac{\mu}{s} \frac{f}{f}$

222,3

$$t_1 = 41$$

II.  $\frac{\mu^2 T}{1000 \sqrt{s}}$

96967,0

$$t_2 = 42$$

III.  $1000000 \frac{f}{\mu \lambda}$

215,03

$$t_3 = 42,5$$

IV.  $10000 \frac{f \lambda^2}{\lambda}$

1015,5

$$t_4 = 46$$

$$f \lambda^2 = 447800$$

Ameisensäure.

$t = 100$   $T = 270$

$$\mu = 765$$

$$\mu^2 = 585225$$

$$\frac{\mu}{s} = 41,1$$

$$\lambda = \cancel{2,442} \quad 2,451$$

$$\lambda^2 = \cancel{22,17} \quad 11,99$$

$$f = 2,949$$

$$f^2 = \cancel{8,694} \quad 25,64$$

84,18

8488,0

1118,0

941,6

$$I \times II = IV.$$

$$84,18 \times 8488,0 = 715186 \dots$$

$$f \lambda^2 = 251200$$

52 Methyljodid  
 $t = 43.5$ ,  $T = 316.5$

$$p = 756.5$$
$$p^2 = 572290$$

$$\lambda = 4.087$$
$$\lambda^2 = 16.70$$
$$\lambda^3 = 68.27$$

$$a^2 = 2.532$$
$$s = 2.077$$

$$f = 26.29$$
$$f^3 = 18.18$$

$$\frac{p}{s} \cdot \frac{p}{f}$$

$$163.17$$

$$\frac{p^2 s}{1000 f^3}$$

$$996.29$$

$$10^6 \frac{f}{p \lambda}$$

$$850.45$$

$$10^4 \frac{f \lambda^2}{s}$$

$$1387.7$$

$$f \lambda^2 = 43.92$$

54 Propyl jodid.  
 $t = 102.5$ ,  $T = 375.5$

$$p = 757.4$$
$$p^2 = 573650$$

$$\lambda = 4.7489$$
$$\lambda^2 = 22.552$$
$$\lambda^3 = 107.1$$

$$a^2 = 2.574$$
$$s = 1.5817$$

$$f = 20.35$$
$$f^3 = 8.4369$$

$$228.17$$

$$2417.1$$

$$565.98$$

$$1291.4$$

$$f \lambda^2 = 45.91$$

55.  
Isopropyljadid  
<sup>89</sup>  
~~t = 362~~ J = 362

$$p = 755.6$$
$$p^2 = 570930$$

$$A = 4.766$$
$$A^2 = 22.73$$
$$A^3 = 108.3$$

$$a^2 = 2.529$$
$$A = 1.5642$$

$$f = 1948$$
$$f^3 = 7439$$

226.05

26706

54919

1241.4

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KONYVIRA

$$fA^2 = 44.94$$

56.  
Allyljadid.  
t = 102 , J = 375.

$$p = 758.5$$
$$p^2 = 575320$$

$$A = 4.657$$
$$A^2 = 21.68$$
$$A^3 = 101.0$$

$$a^2 = 2.625$$
$$A = 1.657$$

$$f = 2175$$
$$f^3 = 10296$$

20428

20953

61588

1258.1

$$fA^2 = 47.18$$



43.

Propylbromid.  
C3H7Br $t = 71.0$   $J = 384$ 

$p = 762.3$

$p^2 = 581109$

$\lambda = 4.594$

$\lambda^2 = 2111$

$\lambda^3 = 97.00$

$a^2 = 3.170.$

$s = 0.1264$

$f = 20042$

$f^3 = 80575$

$\frac{\mu}{s} \frac{p}{J}$

214.95

$\frac{p^2 J}{1000 f^3}$

24262

$1000000 \frac{f}{p \lambda}$

572.24

$10000 \frac{\lambda^2}{J}$

1230.0

$f \lambda^2 = 42.31$

44

Propylbromid.  
C3H7Br $t = 60.5$   $J = 333.5$ 

$p = 763.8$

$p^2 = 583390$

$\lambda = 4.626$

$\lambda^2 = 21.40$

$\lambda^3 = 99.0$

$a^2 = 3.125$

$s = 1.2389$

$f = 1935$

$f^3 = 7255$

226.7

26815

547.89

1242

$f \lambda^2 = 41.43.$

<p>47. Allylbromid.  <math>C_3H_5Br</math>  <math>t = 70</math> <math>J = 343</math></p>	<p><math>p = 755.5</math>  <math>p^2 = 570780</math></p>	<p><math>\lambda = 4489</math>  <math>\lambda^2 = <del>1838</del> 20157</math>  <math>\lambda^3 = 90.5</math></p>	<p><math>a^2 = 3.257</math>  <math>\lambda = 1.333</math></p>	<p><math>f = 2164</math>  <math>f^3 = 1017</math></p>
<p>19933</p>	<p>19233</p>	<p>63892</p>	<p><math>f\lambda^2 = 43.68</math></p>	
<p>51 Propylbromid.  <math>t = 141.5</math>, <math>J = 414.5</math></p>	<p><math>p = 759.4</math>  <math>p^2 = 576690</math></p>	<p><math>\lambda = 49104</math>  <math>\lambda^2 = 2411</math>  <math>\lambda^3 = 118.4</math></p>	<p><math>a^2 = 2.543</math>  <math>\lambda = 1.7011</math></p>	<p><math>f = 2.162</math>  <math>f^3 = 10.18</math></p>
<p>2172</p>	<p>23594</p>	<p>58004</p>	<p>1259.7  <math>f\lambda^2 = 5275</math></p>	

73. Chloropicrin $t=112, J=385$	$p = 763.5$ $p^2 = 582930$	$A = 4.798$ $A^2 = 23.02$ $A^3 = 110.49$	$a^2 = 2.828$ $s = 1.484$	$f = 2.0993$ $f^3 = 9.257$
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$\frac{u}{s} \frac{p}{s}$  219.11	$\frac{p^2 J}{10^3 f^3}$  24257	$10^6 \frac{f}{p A}$  57300	$10^4 \frac{f A^2}{s}$  1255.5	  $f A^2 = 48.33$
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74. Acetylnitrat $t=87, J=360$	$p = 758.4$ $p^2 = 575170$	$A = 4.513$ $A^2 = 20.375$ $A^3 = 91.97$	$a^2 = 4.330$ $s = 0.9876$	$f = 2.138$ $f^3 = 9.775$
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193.75	21182	62458	1210.1	  $f A^2 = 43.56$
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80. Benzamide

$t=190$ ,  $T=463$

$$p = 759.4$$

$$p^2 = 576680$$

$$A = 4.954$$

$$A^2 = 24.54$$

$$A^3 = 121.6$$

$$a^2 = 5.000$$

$$A = 0.8453$$

$$f = 2713$$

$$f^3 = 94405$$

19944

28282

5617

1120.4

$$fA^2 = 57.87$$

84. Sulfo cyan methyl

$t=133$ ,  $T=406$

$$p = 760.5$$

$$p^2 = 578360$$

$$A = 4.2819$$

$$A^2 = 18.39$$

$$A^3 = 78.90$$

$$a^2 = 5.132$$

$$A = 0.9243$$

$$f = 23718$$

$$f^3 = 13.34$$

14779

17597

727.15

1074.6

$$fA^2 = 43.63$$

85. Sulfocianuethyl  
 $t = 143.5$ ,  $T = 416.5$

$p = 758.4$   
 $p^2 = 575770$

$\lambda = 4.642$   
 $\lambda^2 = 21.55$   
 $\lambda^3 = 100.07$

$a^2 = 4.492$   
 $s = 0.8684$

$f = 2.0806$   
 $f^3 = 9.007$

$\frac{\mu}{s} \frac{p}{T}$

18221

$\frac{p^2 T}{1000 f^3}$

26595

$\frac{10^6 f}{\mu \lambda}$

5909

$10^4 \frac{\lambda^2}{s}$

1076.7

$f \lambda^2 = 44.84$

86. Sulfocethyl  
 $t = 91.5$ ,  $T = 364.5$

$p = 757.7$   
 $p^2 = 574110$

$\lambda = 4.957$   
 $\lambda^2 = 24.57$   
 $\lambda^3 = 121.82$

$a^2 = 4.644$   
 $s = 0.7376$

$f = 1.712$   
 $f^3 = 5.024$

25323

41645

456.01

1154.7

$f \lambda^2 = 42.09$

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88. Phosphoroxylacid

$p = 758.2$

$\lambda = 4.662$

$a^2 = 2.957$

$f = 2.227$

$t = 107.5, T = 380.5$

$p^2 = 574860$

$\lambda^2 = 21.74$

$\lambda = 1.5093$

$f^3 = 11.044$

$\lambda^3 = 101.37$

201.99

19804

629.94

1272.4

$f\lambda^2 = 48.41$

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89. Phosphoroxyaethylacid

$p = 758.6$

$\lambda = 5.0445$

$a^2 = 3.17$

$f = 1.806$

$t = 116.5, T = 389.5$

$p^2 = 575470$

$\lambda^2 = 25.447$

$\lambda = 1.1396$

$f^3 = 5.894$

$\lambda^3 = 128.6$

250.46

38029

471.74

1181.5

$f\lambda^2 = 46.02$

Phosphorchlorid  $PCl_3$

$\mu = 137,07$     $s = 1,468$     $a^2 = 3,02$

$\frac{\mu}{s} = 93,34$     $\lambda = 4,526$     $\lambda^2 = 20,58$

$t = 75,4$     $T = 348,4$     $p = 757$     $p^2 = 573000$     $f = 2217$     $f^2 = 491529$

$$\begin{array}{r} 93,34 \\ 757 \\ \hline 65338 \\ 46670 \\ \hline 65338 \\ 7065828 \end{array} \Bigg| 203,0$$
  

$$\begin{array}{r} 7065828 \\ 1696 \\ \hline 1058 \\ 1044 \\ \hline 140 \end{array}$$
  

$$\frac{T}{T_1} = 1,159$$
    $T_1 = 299,6$

$$\begin{array}{r} 573000 \\ 348 \\ \hline 4584 \\ 2292 \\ 1719 \\ \hline 19940,400 \end{array} \Bigg| 18300$$
  

$$\begin{array}{r} 19940,400 \\ 1089 \\ \hline 9050 \\ 8712 \\ \hline 3384 \\ 22670 \\ \hline 1170 \\ 810 \end{array}$$
  

$$t_2 = 25,5$$

$$\begin{array}{r} 4,526 \\ 757 \\ \hline 31752 \\ 22680 \\ \hline 21752 \\ 2433752 \end{array}$$
  

$$3424 \Bigg| 2217440 \Bigg| 646$$
  

$$\begin{array}{r} 2217440 \\ 20604 \\ \hline 15660 \\ 13736 \\ \hline 19240 \end{array}$$
  

$$t_3 = 26$$

$$\begin{array}{r} 20,58 \\ 2217 \\ \hline 14406 \\ 2058 \\ \hline 4116 \\ 3484116 \end{array} \Bigg| 1309$$
  

$$\begin{array}{r} 3484116 \\ 4116 \\ \hline 456258 \\ 2824 \\ \hline 1309 \end{array}$$
  

$$\begin{array}{r} 10785 \\ 10452 \\ \hline 3330 \end{array}$$
  

$$t_4 = 21,5$$

$$\frac{\lambda^2}{T - T_1} = \frac{45,62}{188} = 0,242$$
  

$$\frac{(\lambda^2)_0}{t_1} = \frac{63,13}{262,6} = 0,240$$

$t = 0$     $s = 1,610$     $a^2 = 4,050$     $f = 3,266$     $\frac{\mu}{s} = 84,98$     $\lambda = 4,296$     $\lambda^2 = 19,33$

$(\lambda^2) = 63,13$

$$\frac{(\lambda^2)_0 - (\lambda^2)_{75,4}}{75,4} = 0,222$$

$$\begin{array}{r} 3,266 \\ 19,33 \\ \hline 9798 \\ 29394 \\ \hline 2266 \\ \hline 63,13178 \end{array}$$

$$\begin{array}{r} 6313 \\ 4562 \\ \hline 1751 \\ 1508 \\ \hline 2432 \\ 2262 \\ \hline 1580 \end{array} \Bigg| 232$$

$$2005 \Bigg| 348,4 \Bigg| 1159$$
  

$$\begin{array}{r} 348,4 \\ 2005 \\ \hline 4790 \\ 2005 \\ \hline 17850 \\ 15025 \\ \hline 28250 \\ 27045 \end{array}$$

$$\begin{array}{r} 1159 \\ 403 \\ \hline 2477 \\ 6954 \\ \hline 4636 \\ 536617 \\ \hline 273 \\ 2626 \end{array}$$

$$188 \Bigg| 45,62 \Bigg| 0,242$$
  

$$\begin{array}{r} 45,62 \\ 316 \\ \hline 802 \\ 752 \\ \hline 500 \end{array}$$
  

$$\begin{array}{r} 63,13 \\ 45,62 \\ \hline 17,51 \end{array}$$

$$2626 \Bigg| 63,13 \Bigg| 239$$
  

$$\begin{array}{r} 63,13 \\ 5272 \\ \hline 10410 \\ 10544 \\ \hline 2660 \\ 7908 \\ \hline 25020 \end{array}$$

$$\frac{262,6}{75,4} = 3,48$$

Nitrobenzol 122,75

$f = 2,123$

$f^3 = 9,568 \quad \frac{\mu}{\delta} = 125,7$

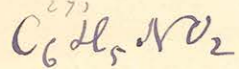
$\lambda = 5,008$

$\lambda^2 = 25,08 \quad p = 754$

$p^2 = 568500$

$t = 208 \quad T = 481$

$\mu = 122,75$



$$\begin{array}{r} 125,7 \\ 754 \\ \hline 5028 \\ 6285 \\ 8799 \\ \hline 481 \overline{) 947,778} \quad | \quad 297,0 \\ \underline{481} \\ 4667 \\ 4229 \\ \hline 3387 \\ 3308 \\ \hline 208 \end{array}$$

$t_1 = 297,0$   
 $t_1 = 27$

$$\begin{array}{r} 568500 \\ 481 \\ \hline 5685 \\ 45480 \\ 22740 \\ \hline 957 \overline{) 2734,48500} \quad | \quad 28570 \\ \underline{1914} \\ 8204 \\ 7656 \\ \hline 5488 \\ 4785 \\ \hline 7075 \end{array}$$

$t_2 = 30$

$$\begin{array}{r} 5,008 \\ 754 \\ \hline 20022 \\ 25040 \\ 25056 \\ \hline 2776 \overline{) 2123,000} \quad | \quad 562 \\ \underline{18880} \\ 23500 \\ 22656 \\ \hline 8440 \end{array}$$

$t_3 = 29$

$$\begin{array}{r} 2508 \\ 2,122 \\ \hline 7524 \quad | \quad \lambda^2 = 52,24 \\ 5016 \\ 2508 \\ \hline 5016 \\ 481 \\ \hline 514 \\ 481 \\ \hline 3348 \\ 3367 \end{array}$$

$t_4 = 37,5$

$$\begin{array}{r} 562 \\ 197 \\ \hline 2924 \\ 5058 \\ 562 \\ \hline 110714 \end{array}$$

charon  
 $\bar{T} = 246$

$$\frac{\bar{T}_1}{\bar{T}_1} = 1,600 \quad T_1 = 742 \quad t_1 = 469$$

$$\frac{\lambda^2}{T_1 - T} = \frac{52,24}{261} = 204$$

0° ra  $\delta = 1,200$  kapp

$\frac{\mu}{\delta} = 102,3$

$\lambda = 4,677$

$\lambda^2 = 21,87$

$a_0^2 = 7,948$

$\lambda = 4,769$

$(\lambda^2)_0 = 104,32$

$\frac{(\lambda^2)_0 - (\lambda^2)_{208}}{208} = 0,245$

$\frac{(\lambda^2)_6}{t_1} = 0,222$

MAYYAR  
KEMENTERIAN  
KONVULSARA



1885 Junius 12

	Kraft $\frac{1}{r}$	$\frac{r}{r_c}$
Aether	195 - 468	1
Spirits	272 - 545	1,164
Vin	411 - 684	1,462
Benzol	281 - 554	1,183
<u>Ätheröl</u>	<u>183 - 456</u>	<u>0,983</u>
Aceton	233 - 506	1,083
Spirits	278 - 551	1,177
Euretra	321 - 594	1,270
Chloroform	260 - 533	1,139

Wegfahrt höflichkeit, Aether & Aceton

	$\frac{da}{dr}$	$\alpha$	$\frac{da}{dr} \frac{r}{\alpha}$
Aether	0 - 273	0,0126	1,99
Spirits	45 - 318	0,0165	2,99
Vin	126 - 399	0,0224	5,35
Benzol	50 - 323	0,0134	2,52
Chloroform	38 - 311	0,0142	2,50
Euretra	73 - 346	0,0104	2,20
Aceton	23 - 296	0,0127	2,36
Spirits	48 - 321	0,0128	2,39

Person Schaff  
 $t = 60$   $J = 333$

$p = 762$   
 $p^2 = 580600$

$\frac{m}{j} = 53,45$

~~$f = 1779$~~   $f = 3,558$   
 $\lambda = 3,767$

$f^2 = 45,04$   
 $\lambda^2 = 14,19$

$$\begin{array}{r} 53,45 \\ 762 \\ \hline 10690 \\ 32070 \\ 27415 \\ \hline 4072890 \end{array} \Big| 1223$$

$t_1 = 14$

$$\begin{array}{r} 580600 \\ 333 \\ \hline 17418 \\ 17418 \\ 17418 \\ \hline 19338980 \end{array} \Big| 4292$$

$t_2 = 12$

$$\begin{array}{r} 3,767 \\ 762 \\ \hline 7534 \\ 22602 \\ 26369 \\ \hline 2870454 \end{array} \Big| 1239$$

$t_3 = 12,5$

$$\begin{array}{r} 3,558 \\ 14,19 \\ \hline 32022 \\ 3558 \\ 14232 \\ 2558 \\ \hline 504880 \end{array} \Big| 1516$$

$t_4 = 5,5$

$$\begin{array}{r} 1227 \\ 124 \\ \hline 4892 \\ 244 \\ \hline 122352 \\ 151652 \end{array}$$

$$\begin{array}{r} 287 \\ \hline 460 \\ 287 \\ \hline 1730 \\ 22 \\ \hline 1752 \\ 80 \\ \hline 2192 \\ 146 \\ \hline 2114 \\ 146 \\ \hline 438 \\ \hline 46574 \end{array}$$

$$\begin{array}{r} 465 \\ 116 \\ \hline 2790 \\ 465 \\ \hline 53946 \\ 273 \\ \hline 286 \end{array}$$

$206 \Big| 50,49 \Big| 2,4$   
 $\frac{412}{925}$

$$\begin{array}{r} 4,66 \\ 14 \\ \hline 1864 \\ 466 \\ \hline 6524 \end{array}$$

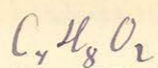
$3,684$   
 $13,57$   
 $1,46$   
 $8142$   
 $5428$   
 $1257$   
 $25,006$   
 $50,01168122$   
 $1597$   
 $1595$   
 $2000$

$$\begin{array}{r} 4,657 \\ 13,57 \\ \hline 32599 \\ 22285 \\ 13971 \\ 4657 \\ \hline 6319549 \\ 5049 \\ \hline 12,70 \end{array}$$

$266 \Big| 65,19 \Big| 9234$   
 $50127$   
 $999$   
 $798$   
 $20108$   
 $2128$

Normalvajsar

Vajsar.  $t = 162,5$   $T = 435,5$



$\mu = 87,8$

$\delta = 0,875$

$\frac{\mu}{\delta} = 107,8$

$\lambda = 4,759$

$\lambda^2 = 22,65$

$p = 762,4$

$p^2 = 581200$

$a^2 = 3,545$

$f = 1,444$

$f^2 = 3,010$

$\mu = 87,8 - a$

107,8

762,4

4312

2156

6468

7546

4355 | 8 2 1,8, 6,7 | 188,7

4755

38636

24840

37960

24840

$t_1 = 46$

$\mu = 2 \times 87,8 - a$

377,4

$t_1 = 46$

581200

435,5

29060

29060

17436

23248

307 | 2,5 3,1 1,2 6,0 | 84090

2408

1231

1204

2726

$t_2 = 41$

1762,4

476

45744

53368

20496

3629,024

2631 | 1444,00 | 398

1089

3550

3267

2830

2704

$\mu = 2 \times 87,8 - a$

III = 316

$t_3 = 42,5$

$t_3 = 37,5$

22,65

1,444

9060

9060

9060

2265

435 | 32,7 6,6 6,6 | 752  $t_4 = 75$

3045

2256

2175

816

$\mu = 2 \times 87,8 - a$

IV = 1588  $\times 752$

IV = 1194

$t_4 = 30$

$\lambda^2 = 57,93$

$l = 0$

$\delta = 0,985$  konen

$\frac{\mu}{\delta} = 89,1$

$\lambda = 4,466$

$\lambda^2 = 19,93$

$a^2 = 6,014$

$f_0 = 3,024$

$(fd^2)_0 = 60,27$

$\frac{(fd^2)_0 - fd^2}{162,5} = \frac{60,27 - 32,41}{162,5} = 0,170$

ku arabin  $\frac{\mu}{\delta} = 2 \times 89,1$

$\lambda = 5,627$

$\lambda^2 = 31,66$

arabin  $(fd^2)_0 = 95,74$  ei

$\frac{(fd^2)_0 - fd^2}{162,5} = \frac{95,74 - 51,93}{162,5} =$

Propinaz .  $C_3H_6O_2$

$t = 140,5$   $T = 413,5$

$\mu = 73,83$   $\delta = 0,864$

$p = 758,5$   $p^2 = 575200$

$\frac{\mu}{\delta} = 85,5$

$\lambda = 4,405$

$\lambda^2 = 19,40$

$a^2 = 3,725$

$f = \frac{2218}{11609}$

$f^2 = 4,165$

Leini hell  $\mu = 2 \times 73,83$   $\frac{\mu}{\delta} = 171,0$   $\lambda = 5,550$   $\lambda^2 = 30,80$

$$\begin{array}{r} 758,5 \\ 85,5 \mu = 85,5 \\ \hline 379,25 \\ 379,25 \\ \hline 60680 \\ 413,5 \overline{) 648517} \\ \underline{4135} \\ 23501 \\ 20675 \\ \hline 28267 \\ 24810 \\ \hline 34570 \end{array}$$

$t_1 = 20$

$$\begin{array}{r} 575200 \\ 413,5 \\ \hline 28760 \\ 17256 \\ \hline 5752 \\ 22008 \\ 413,5 \overline{) 237845200} \\ \underline{20825} \\ 29595 \\ 29155 \\ \hline 4402 \\ 4165 \\ \hline 23700 \end{array}$$

$t_2 = 37,5$

$$\begin{array}{r} \frac{\mu}{\delta} = 171 \text{ etiket} \\ \hline 758,5 \\ 85,5 \\ \hline 379,25 \\ 379,25 \\ \hline 4209,675 \\ 421 \overline{) 1609,00} \\ \underline{1263} \\ 3460 \\ 3368 \\ \hline 920 \end{array}$$

$t_3 = 38$

$$\begin{array}{r} \frac{\mu}{\delta} = 171 \text{ etiket} \\ \hline 1,609 \\ 30,8 \\ \hline 12872 \\ 48270 \\ \hline 413,5 \overline{) 495572} \\ \underline{4135} \\ 8207 \\ 4135 \\ \hline 40722 \\ 37215 \\ \hline 35070 \end{array}$$

$\lambda^2 = 49,56$

$t_4 = 30$

$\frac{\lambda^2}{T_1 - T} = \frac{49,56}{199} = 0,249$

$\mu = 2 \times 73,83$   $I = 313,6$   $t_1 = 40$

$\frac{T}{T_1} = 1,321$   $T_1 = 612$   $t_1 = 339$

$\mu = 2 \times C_3H_6O_2$

$t_0 =$   $\delta_0 = 1,018$   $a_0^2 = 5,832$   $\frac{\mu}{\delta} = 145,1$   $\lambda = 5,254$   $\lambda^2 = 27,60$   $f = 2,968$

$(\lambda^2)_0 = 81,92$

$\frac{(\lambda^2)_0 - (\lambda^2)_{140}}{140,5} = 0,230$

МАУМА  
 СИМОНІС АКАДЕМІА  
 КОМПАНІА

Valerianar

$m = C_5H_{10}O_2 = 101,74$

$b = 0,781$

$\mu_0 = 130,2$

$\lambda = 5,068$

$\lambda^2 = 25,68$

$t = 175 \quad T = 448$

$p = 751$

$p^2 = 564000 \quad a^2 = 2280$

$f = 1,282$

$f^2 = 2,107$

$\frac{277}{448}$

$\mu_1 = 2 \times 130,2 = 260,4$

$\lambda = 6,286$

$\lambda^2 = 40,77$

$$\begin{array}{r}
 1302 \\
 751 \\
 \hline
 1202 \\
 6510 \\
 9114 \\
 \hline
 448 \overline{) 977802} \quad | \quad 218,3 \\
 \underline{896} \\
 818 \\
 \underline{448} \\
 3700 \\
 \underline{3584} \\
 1162
 \end{array}$$

$t_1 = 30$

$m = 2 \times 101,7 = 203,4$

$I = 426,6$

$L_1 = 50,5$

$\frac{T}{T_1} = 1,287$

$T_1 = 642 \quad t_1 = 269$

$$\begin{array}{r}
 564000 \\
 448 \\
 \hline
 4512 \\
 2256 \\
 \hline
 2107 \overline{) 225612000} \quad | \quad 119920 \\
 \underline{2107} \\
 4197 \\
 \underline{4197} \\
 2107 \\
 \underline{20902} \\
 18962 \\
 \underline{19390} \\
 18963 \\
 \underline{4270}
 \end{array}$$

$t_2 = 45$

$$\begin{array}{r}
 6,286 \\
 751 \\
 \hline
 6286 \\
 21930 \\
 44702 \\
 \hline
 4795886 \\
 4796 \overline{) 1282000} \quad | \quad 267,3 \\
 \underline{9592} \\
 32280 \\
 \underline{28776} \\
 35040 \\
 \underline{22572} \\
 14880
 \end{array}$$

$t_3 = 46,5$

$$\begin{array}{r}
 40,77 \\
 1,282 \\
 \hline
 8154 \quad \mu^2 = 52,27 \\
 22616 \\
 8154 \\
 4077 \\
 \hline
 448 \overline{) 52126714} \quad | \quad 1167 \\
 \underline{448} \\
 746 \\
 \underline{748} \\
 2987 \\
 \underline{2688} \\
 2991
 \end{array}$$

$L_3 = 27,5$

$L_4 = 32,5$

$$\begin{array}{r}
 437 \\
 267 \\
 \hline
 2059 \\
 2622 \\
 874 \\
 \hline
 116679
 \end{array}$$

$\frac{\lambda^2}{T_1 - T} = 0,268$

$L = 0 \quad b = 0,950 \text{ lumen}$

$\mu_0 = 214,2$

$\lambda = 5,983$

$\lambda^2 = 35,80$

$a^2 = 5,925$

$f = 2,815$

$(\lambda^2)_0 = 100,78$

$\frac{(\lambda^2)_0 - \lambda^2}{175} = 0,277$

ΕΛΛΗΝΙΚΗ ΑΚΑΔΗΜΙΑ ΕΠΙΣΤΗΜΩΝ ΚΑΙ ΤΕΧΝΩΝ

$\text{Jodswajen. } C_4H_8O_2$      $\mu = 87,8$      $\sigma = 0,809$      $\frac{\mu}{\sigma} = 108,6$      $a^2 = 3,428$      $f = 1,387$      $f^2 = 2,668$   
 $t = 153$      $T = 426$      $p = 750,5$      $p^2 = 563200$      $\lambda = 4,770$      $\lambda^2 = 22,75$   
 $270$

$$\begin{array}{r} 108,6 \\ 750,5 \\ \hline 5430 \\ 54300 \\ 7602 \\ \hline 426 \overline{) 81584,30} \end{array}$$

$$\begin{array}{r} 563200 \\ 426 \\ \hline 22792 \\ 11264 \\ 22528 \\ \hline 2668 \overline{) 239923,200} \end{array}$$

$$\begin{array}{r} 750,5 \\ 6,02 \\ \hline 15010 \\ 450300 \\ 8518010 \\ \hline 4518 \overline{) 1787000} \end{array}$$

$$\begin{array}{r} 1,387 \\ 26,24 \\ \hline 5548 \\ 2774 \\ 8322 \\ 4161 \\ \hline 426 \overline{) 502648,8} \end{array}$$

$$\frac{\mu^2}{T^2} = 0,264$$

$\mu = 2 \times 87,8 \text{ kgm.}$   
 $I = 382,6$      $t_1 = 46,5$   
 $\frac{T}{T_1} = 1,331$      $T_1 = 616$   
 $t_1 = 340$

$l = 0$      $\mu = 175,6 = 2 \times 87,8$      $\sigma = 0,905$      $a^2 = 5,784$      $f = 2,617$      $f^2 = 194,0$      $\lambda = 5,780$      $\lambda^2 = 33,51$

$$\frac{(\mu^2)_0 - \mu_1^2}{153} = 0,245$$

Acetylen bromid Schiff Schiff  $\frac{K}{S} = 976$   
 $t = 130$   $T = 400$   $p = 760$   $p^2 = 577600$   
 27)

$\lambda = 4,604$   $\lambda^2 = 21,20$

$f = 2,551$

$f^2 = 16,60$

298 | 400 | 1,352  
 298  
 1050  
 894  
 1560  
 1490  
 700

I  
 $\frac{976}{76}$   
 $\frac{5856}{6832}$   
 $400 \overline{) 74176} \quad | 184,1$   
 $\frac{5387}{2224}$   $k_1 = 25$   
 $\frac{1636}{1612}$   
 $\frac{240}{240}$   
 $\frac{T}{T_1} = 1,252$   $629$   
 $T_1 = 356$   $k_1 = 356$

II  
 $\frac{577600}{400}$   
 $\frac{17928}{231040}$   
 $166 \overline{) 2327,7} \cdot 2,84 \quad | 14022$   
 $\frac{166}{6674}$   $k_2 = 23$   
 $\frac{372}{332}$   
 $408$

III  
 $\frac{46,04}{76}$   
 $\frac{27624}{22228}$   
 $\frac{2499,04}{3500}$   
 $3500 \overline{) 25510} \quad | 729$   
 $\frac{295}{100}$   
 $\frac{70}{310}$   $k_2 = 23,5$

IV  
 $\frac{2,551}{21,2}$   $k_2 = 54,08$   
 $\frac{5102}{2551}$   
 $\frac{5102}{54018}$   $k_2 = 1042$   
 $400 \overline{) 40128}$   
 $\frac{1378}{16912}$   $k_4 = 18$   
 $\frac{16912}{792}$

465  
 1252  
 920  
 2325  
 1395  
 465  
 $\frac{628680}{272}$   
 $\frac{356}{2}$   $\frac{226}{890}$   $\frac{541}{24}$

0 6122  
 1,0732

3,187 | 16000 | 50,52  
 15835  
 16500  
 15825  
 6650

2,925 0°  
 2,390 60°  
 1,197  
 7,590

11707548  
 575983  
 1121945  
 1151966

652 | 1600 | 299  
 10690  
 50184  
 48105  
 49950

9,428  
 $\frac{179}{671}$   
 $\frac{7614}{729}$   
 5922  
 5946  
 14141

Schnupfenkrankheit SO<sub>2</sub> Schiff  $\mu = 62,06$   $\lambda = 3,959$   $\lambda^2 = 15,68$   
 $t = 46$   $T = 319$   $p = 767$   $p^2 = 588300$   $f = 2,905$   $f^2 = 24,57$

62,06  
 767  
 43442  
 27226  
 43442  
 219 | 4760,00 | 2 | 149,2  
 219  
 1570  
 1276  
 2940  
 2871  
 690  
 $t_1 = 19$   
 $T_1 = 1,092$   
 $T = 506$   $t = 200$

588300  
 319  
 52947  
 5883  
 17649  
 2451 | 18766,770 | 7656  
 17157  
 160976  
 14706  
 13917  
 12255  
 15620  
 $t_2 = 17$

767  
 3,96  
 4602  
 6903  
 2201  
 202722  
 2007 | 2,905000 | 956  
 24333  
 17170  
 15185  
 19850  
 $t_3 = 17,5$

2,905  
 15,68  
 23240  
 17430  
 14525  
 2905  
 212  
 1365  
 1276  
 442  
 890  
 2375  
 638  
 68  
 2520  
 $t_4 = 12$   
 $p^2 = 45,55$

15  
 73  
 52  
 480  
 356  
 14200  
 292 | 319 | 1,092  
 292  
 2700  
 2628  
 720  
 467  
 1092  
 926  
 4167  
 4620  
 505,596  
 272  
 233  
 235  
 46  
 187  
 187 | 45,55 | 249  
 369  
 915  
 948  
 1670

Criminal (Criminaldehyd?) C<sub>10</sub>H<sub>12</sub>O  $\mu = 147,66$   $f = 1,506$   $f^2 = 3,380$   
 $t = 227$   $T = 510$   $p = 758$   $p^2 = 574600$   $\mu_0 = 187,3$   $\lambda = 5,721$   $\lambda^2 = 32,73$

187,3  
 510  
 1873  
 9365  
 195523  
 1873  
 758  
 14984  
 9365  
 12111  
 51 | 141,97,3 | 278,4  
 102  
 399  
 357  
 427  
 120  
 $t_1 = 37$

574600  
 510  
 5746  
 28730  
 338 | 29304,600 | 86400  
 2704  
 2264  
 2028  
 2366  
 2866  
 338  
 $t_2 = 41$

758  
 5,721  
 758  
 1516  
 5306  
 2790  
 4336,518  
 4226 | 1,506000 | 347  
 12008  
 20520  
 17344  
 31760  
 $t_3 = 40$

3,380  
 1,506  
 19638  
 163650  
 2273  
 51 | 49,29,1 | 966  
 459  
 339  
 326  
 331  
 $t_4 = 50$

278  
 247  
 1946  
 1112  
 834  
 96466  
 272  
 110  
 21 | 510 | 1,645  
 200  
 186  
 149  
 128  
 106580  
 762635  
 489  
 278  
 211  
 211 | 49,29 | 2,34  
 4227  
 623



<p>38. Trichloressigester  <math>t = 166.8</math> <math>J = 439.8</math></p>	<p><math>p = 753.7</math>  <math>p^2 = 568060</math></p>	<p><math>\lambda = 5.472</math>  <math>\lambda^2 = 29.94</math>  <math>\lambda^3 = 163.86</math></p>	<p><math>a^2 = 2.749</math>  <math>A = 1.1655</math></p>	<p><math>f = 1.601</math>  <math>f^3 = 4.111</math></p>
<p><math>\frac{u}{s} \frac{p}{J}</math>   280.81</p>	<p><math>\frac{p^2 J}{10^3 f^3}</math>   60768</p>	<p><math>\frac{10^6 f}{u \lambda}</math>   388.42</p>	<p><math>10^4 \frac{f \lambda^2}{J}</math>   1090.7</p>	<p><math>f \lambda^2 = 47.969</math></p>
<p>36. M. J.  Monschl.ressigester  <math>t = 144.3</math> <math>J = 417.3</math></p>	<p><math>p = 753.7</math>  <math>p^2 = 568060</math></p>	<p><math>\lambda = 4.9744</math>  <math>\lambda^2 = 24.744</math>  <math>\lambda^3 = 123.09</math></p>	<p><math>a^2 = 3.529</math>  <math>A = 0.9926</math></p>	<p><math>f = 1.7515</math>  <math>f^3 = 5.373</math></p>
<p>222.32</p>	<p>69923</p>	<p>467.17</p>	<p>1038.6   <math>f \lambda^2 = 43.34</math></p>	

MATHYK  
ΕΠΙΘΕΤΟΣ ΑΚΑΔΗΜΙΑ  
ΚΟΝΙΥΛΙΑ

39. Benzoylchlorid $t = 194.5; J = 467.5$	$p = 754.6$ $p^2 = 569420$	$\lambda = 5.1261$ $\lambda^2 = 26.27$ $\lambda^3 = 134.7$	$a^2 = 3.966$ $\lambda = 1.0403$	$f = 2.0629$ $f^3 = 8.7779$
$\frac{p}{s} \frac{p}{s}$  217.42	$\frac{p^2 J}{10^3 f^3}$  30322	$\frac{10^6 f}{p \lambda}$  533.31	$\frac{10^4 f \lambda^2}{J}$  1159.5  $f \lambda^2 = 54.20$	
37. H. J. Dichlaressigester $t = 157.6, J = 430.6$	$p = 754.9$ $p^2 = 569875$	$\lambda = 5.2347$ $\lambda^2 = 27.402$ $\lambda^3 = 143.44$	$a^2 = 3.143$ $\lambda = 1.0914$	$f = 1.715$ $f^3 = 5.046$
257.47	48624	434.05	109.15  $f \lambda^2 = 47.00$	

Urethran anhydrid.  $C_4H_6O_2$   $\mu = 107,8$   $s = 0,928$   $\frac{\mu}{s} = 109,7$   $\lambda = 4,787$   $\lambda^2 = 22,91$   
 $t = 138$   $T = 411$   $p = 762$   $p^2 = 580600$   $a^2 = 4,181$   $f = 1940$   $f^2 = 7,301$   
 $\frac{272}{411}$

$\frac{109,7}{762}$   
 $\frac{2194}{6582}$   
 $411 \overline{) 7679} \quad | 203,4$   
 $\underline{8359}$   
 $822$   
 $\underline{1391}$   
 $\underline{1233}$   
 $1584$   
 $T_1 = 27,5$

$\frac{T}{f} = 1,368$   $T_1 = 630$   
 $L_1 = 260$

$\frac{580600}{411}$   
 $\frac{5806}{5806}$   $32680$   
 $20224$   
 $7201 \overline{) 2086266,00} \quad | 60080$   
 $\underline{22806}$   
 $56660$   $L_2 = 37,5$   
 $21903$   $32680$   
 $\underline{19596}$   
 $14602$   
 $\underline{49946}$   $t_2 = 31$   
 $43806$   
 $\underline{61400}$

$\frac{762}{194}$   $\frac{479}{762}$   
 $\frac{3098}{6858}$   $\frac{2874}{3253}$   
 $\frac{762}{147828}$   $\frac{264998}{147828}$   
 $1478 \overline{) 194000} \quad | 1$   
 $3654 \overline{) 194000} \quad | 532$   
 $\underline{7825}$   
 $1150$   
 $\underline{1095}$   
 $550$   $f_3 = 30,5$

$\frac{22,91}{1,74}$   $\lambda = 44,44$   
 $\frac{9164}{20619}$   
 $\frac{2291}{2291}$   
 $411 \overline{) 444454} \quad | 1081$   
 $\underline{3345}$   
 $\underline{2288}$   
 $574$   $f_4 = 40$

$\frac{\lambda^2}{T_1 - T} = 0,200$

$t = 0$   $s = 1,097$   $\frac{\mu}{s} = 86,1 = 92,8$   $\lambda = 4,446$   $\lambda^2 = 4,950$   
 $\frac{272}{27}$   $a^2 = 6,554$   $f = 3,595$   $\lambda^2 = 20,50$

$(\lambda^2)_0 = 70,10$   
 $(\lambda^2)_0 = 70,70$

$\frac{(\lambda^2)_0 - \lambda^2}{138} = 0,215$

$200,5 \overline{) 4170} \quad | 1,368$   
 $\underline{3805}$   
 $11050$   
 $\underline{9015}$   
 $20350$   
 $\underline{18020}$   
 $23200$   
 $\underline{20350}$   
 $2730$   
 $\underline{260}$

$\frac{360}{138}$   
 $\frac{272}{222}$   
 $222 \overline{) 4444} \quad | 20$   
 $\underline{444}$   
 $444$   
 $\underline{444}$   
 $4$

Schiff.  
 Entwerf. 117,2 faden  $a^2 = 3,87$   $d_{117} = 0,940$   $b = 0,002$   $k_0 = 1,273$   $\lambda = 5,000$   $\lambda^2 = 25,30$   $\mu^2 = 45,92$   
 0 faden  $a_0^2 = 5,63$   $d_0 = 1,080$   $b = 0,000$   $k_0 = 1,109$   $\lambda = 4,804$   $\lambda^2 = 23,08$   $\mu^2 = 70,16$   
 $f_{117,2} = 1,815$   $\frac{24,24}{117} = 0,207$

0,94 | 119,72 | 1,273  
 94  
 257  
 1818  
 690  
 658  
 220

108 | 119,72 | 1,109  
 108  
 117  
 920

1,905  
 0,988  
 15480  
 5805  
 17415  
 1,815030

2,815  
 220  
 1,08  
 22520  
 28150  
 204020

1,815  
 2573  
 5445  
 9075  
 2630  
 45,9195

23,08  
 3,04  
 9202  
 69240  
 70,1622

117 | 2424 | 207.

204  
 840  
 819  
 210

192  
 24  
 158  
 53  
 211  
 119,6  
 3306

119  
 07  
 52

52 faden  $a^2 = 3,87$  39

29 | 52 | 1,303  
 120  
 117  
 130

211 | 45-28 | 214  
 422  
 308  
 211  
 970

41. Schwefelkohlenstoff $t = 46,5$ $T = 319,5$	$\mu = 766,5$	$\frac{\mu}{\lambda} = 62,06$	$\lambda = 2,959$ $\lambda^2 = 15,68$	$f = 2,905$ $f^2 = 24,52$
---	---------------	-------------------------------	--	------------------------------

I $\frac{\mu}{\lambda}$  148,9 $t_1 = 19$	II $\frac{\mu^2}{10^3 \lambda^2}$  7654,2 $t_2 = 17$	III $10^6 \frac{f}{\lambda^2}$  957,4 $t_3 = 18$	IV $10^4 \frac{f^2}{\lambda^2}$  1425 $t_4 = 12$  $f \lambda^2 = 45,54$	
---	--	--	---	--

42. Allylsulphocarbimid $t = 151,0$ $T = 424,0$	$\mu = 764,2$	$\frac{\mu}{\lambda} = 112,1$	$\lambda = 4,806$ $\lambda^2 = 23,39$	$f = 1,949$ $f^2 = 7,409$
--	---------------	-------------------------------	--	------------------------------

202,7 $t_1 = 28$	20442 $t_2 = 31$	527,5 $t_3 = 31$	1074 $t_4 = 41$  $f \lambda^2 = 45,59$	
---------------------	---------------------	---------------------	---	--

40. Phenylsulphocarbinol  $\mu = 748,8$   
 $t = 219,8$   $T = 492,8$

$$\frac{\mu}{\lambda} = 162,4$$

$$\lambda = 5,234$$

$$\lambda^2 = 27,396$$

$$f = 2,039$$

$$f^2 = 8,482$$

217,9

$$t_1 = 29,5$$

22577

$$t_2 = 31$$

520,0

$$t_3 = 31$$

1124

$$t_4 = 35$$

$$f\lambda^2 = 55,87$$

Viz. mēlēt, Sept. 26 1885

Esplētēš, 8,2 m.m. ātriņojū kalūn crōbem.

Temp. 26°       $\xi = \frac{680}{200}$

Temp. 100,5       $\xi = \frac{639,4}{200}$

Temp. 149,5       $\xi = \frac{598}{200}$

Temp. 209       $\xi = \frac{536,4}{200}$

Sajidēš tab lūgat ekhej.       $l = 26$  jūnāt.  
 $a = 3,808$

$u = 8,2$	$\xi = \frac{680}{200}$	$-\frac{\xi}{u} = 0,415$	$-\frac{a}{\xi} = 1,120$
$u = 8,5$	$\xi = \frac{687}{200}$	$-\frac{\xi}{u} = 0,404$	$-\frac{a}{\xi} = 1,108$
$u = 9,5$	$\xi = \frac{706}{200}$	$-\frac{\xi}{u} = 0,372$	$-\frac{a}{\xi} = 1,078$
$u = 10,8$	$\xi = \frac{712}{200}$	$-\frac{\xi}{u} = 0,330$	$-\frac{a}{\xi} = 1,070$
$u = 11,7$	$\xi = \frac{719}{200}$	$-\frac{\xi}{u} =$	

crēkēl sīamētūn prīsm crēctiū nēlēt :

26°  $a_{26} = 3,808$   
 100,5°  $a_{100,5} = 3,501$   
 149,5°  $a_{149,5} = 3,217$   
 209°  $a_{209} = 2,870$

$l = 7,617 - 0,01367 - 0,000055$   
 $h^2 = 15,233 - 0,027427 - 0,000034$

→) Aug. 18. di. tabla  
 kēnēt valna  
 $a_{100,5} = 3,506$

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Sajidēš       $\delta_{26} = 0,99970$  } Landolt.  
 $\delta_{100,5} = 0,9590$   
 $\delta_{149,5} = 0,9140$  Medlicott (Water)

Sokky formula  $V = 0,99977 + 0,0001231 + 0,0000033 l^2$  (Water. 200y)

$\delta_{209} = 0,8580$   
 Prīsm crēctiū hīsūmētūn  $\frac{n-1}{d} = \text{Landolt formula}$

$n_0 = 1,273$        $n_{26} = 1,3323$        $n_{100,5} = 1,3262$        $n_{149,5} = 1,3047$        $n_{209} = 1,2860$   
 $\sim 1,3197$   
 prīsm crēctiū 100,5 re =  $\frac{1}{0,998}$       149,5 re =  $\frac{1}{0,996}$       209 re =  $\frac{1}{0,994}$   
crēkēl & crēctiū crēkēl  
 $a_{26} = 3,808$        $a_{100,5} = 3,508$        $a_{149,5} = 3,230$        $a_{209} = 2,887$

Juuti estehikket.

$\mu = 2H_2O = 35,92$       $\sigma$  Landell deurebit rivo

f.	a	a <sup>2</sup>	s	$\sigma$	f.	$\frac{\mu}{\sigma}$	l	l <sup>2</sup>	fl <sup>2</sup>	
26	3,808	14,50	0,997	0,000	7,228	36,03	3,303	10,92	78,93	) 0,174
100,5	3,508	12,30	0,959	0,0006	5,892	37,45	3,346	11,19	65,93	) 0,225
149,5	3,230	10,43	0,914	0,0026	4,751	39,30	3,400	11,56	54,92	) 0,227
209	2,887	8,335	0,858	0,0095	3,434	41,86	3,472	12,06	41,41	

Ans. 392





90 Phosphorschwefelchlorid

$$p = 784.6$$

$$p^2 = 569420$$

$$t = 125, \quad J = 398$$

$$1 = 4.878$$

$$1^2 = 23.80$$

$$1^3 = 116.11$$

$$a^2 = 2.952$$

$$1 = 1.4556$$

$$f = 2.148$$

$$f^3 = 9.9189$$

$$\frac{p}{s} \frac{p}{J}$$

$$220.14$$

$$\frac{p^2 J}{1000 f^3}$$

$$22848$$

$$1000000 \frac{f}{p \cdot 1}$$

$$583.64$$

$$10000 \frac{f \cdot 1^2}{J}$$

$$1284.8$$

$$f \cdot 1^2 = 57.13.$$

$$\sqrt[27]{18^{\circ}22' \mid 27^{\circ}17'} = 0,27210 \quad \log = 0,4347201 - 1 \quad \text{Ms 5097 / 52}$$

$$\sqrt[27]{27^{\circ}42' \mid 41^{\circ}22'} = 0,24740 \quad \log = 0,3934041 - 1$$

$$\sqrt[41]{41^{\circ}22' \mid 58^{\circ}5'} = 0,16081 \quad \log = 0,2063137 - 1$$

$$\sqrt[41]{41^{\circ}22' \mid 55^{\circ}17'} = 0,14088 \quad \log = 0,148866 - 1$$

$$\sqrt[37]{37^{\circ}43' \mid 48^{\circ}5'} = 0,12881 \quad \log = 0,109952 - 1$$

$$\sqrt[48]{48^{\circ}5' \mid 53^{\circ}6'} = 0,04605 \quad \log = 0,663266 - 2$$

$$\sqrt[41]{41^{\circ}22' \mid 54^{\circ}} = 0,13088 \quad \log = 0,1168820 - 1$$

$$\sqrt[27]{27^{\circ}17' \mid 37^{\circ}43'} = 0,19607 \quad \log = 0,2924035 - 1$$

$$\sqrt[27]{27^{\circ}17' \mid 52^{\circ}6'} = 0,17486 \quad \log = 0,2426905 - 1$$

*Tudományok felső  
tanácsa*

Olaj töltés egyenként a kromel szomsz 1,4054

A régi csontolat (február 25-én d. u. és február 27-én fatontás), helyesen sava, talánul maradt.

Hátország	1. 96	252	Előre	7. 80	30
	2. 44	200		0. 10	35
	5. 44	35		5. 15	202
	2. 9	31		2. 16	252
február 4.	78			1. 98	

A maradvány sűrű-papírral végig körítve  
5 perccel készült

Hátország	1. 99	252	Előre	4. 79	24
	2. 47	201		2. 0	25
	5. 46	35		5. 25	121
	2. 9	30		2. 46	
	4. 79				

A lemeztől készült helyesebb 2... 45

Hátország	2. 45	121	Előre	4. 77	20
	5. 24	26		2. 0	25
	2. 98	24,5		5. 25	121
	4. 70,5			2. 46	

Levegő felállítás

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~~A lemeztől készült~~  
Levegő felállítás.

Hátország	2. 20	88	Előre	4. 91	24
	5. 35	20		2. 15	20
	2. 15	27		5. 25	89
	4. 88			2. 24	

A lemeztől készült helyesebb 2... 24 → 255

Előre	1. 79	31
	2. 10	27
	5. 47	202
	2. 49	254
	4. 2	

Kiit nnyllemys hojatti man un  
 ki vatsay 2 nnyllalozzyl fi xirozpa.

Hätra

<u>Muzisun 1 vete</u>	S.	19	,	57
by	2.	62	,	102
by	5.	60	,	22
	2.	28	,	21
	4.	17		

Elöre

4.	18	,	22
2.	40		
5.	62	,	22
2.	62	,	102
S.	20	,	57

Hätra

S.	19	,	57
2.	62	,	102
5.	60	,	22
2.	28	,	21
4.	17		

Elöre

4.	18		
2.	40	,	22
5.	62	,	22
2.	62,5	,	101,5
S.	20	,	56,5

Köyvetöök  
mlhnekatken

5	0,2844	2,724
2	0,507	2,697
5	0,110	2,657
3	0,109	
4		

Lerner oldall hagerve S. 20  
 4. 12 ) 92

Elöre

4.	12		
3.	41,5	)	29,5
5.	78	)	36,5
2.	78	)	200
1.	22	)	254

Hätra

1.	20		
2.	77	)	250
5.	74	)	200
2.	27	)	27
4.	9	)	28

A lerner nyra viraahagerve, elobbi ällösäbe

4. 91  
 Hätra

S.	85	)	124
2.	20	)	55
5.	35	)	95
2.	14	)	21
4.	94	)	20

Elöre

4.	95	,	20,5
2.	15,5	,	22,5
5.	28	,	96
2.	24	,	50
S.	87		

Hátra J. 86 ) 50  
 2. 30 ) 97  
 5. 36 ) 22  
 2. 14 ) 20  
 4. 94 ) 54

Előre 4. 96 ) 20  
 2. 16 ) 21  
 5. 27 ) 97  
 2. 34 ) 54  
J. 88 ) 54

A lemezek félre helyezésére

Előre J. 88 ) 119  
 1. 7 ) 29  
 2. 36 ) 36  
 5. 72 ) 202  
 2. 74 ) 252  
 4. 26

Hátra 4. 24 ) 250  
 2. 71 ) 202  
 5. 69 ) 25  
 2. 24 ) 28  
 1. 6

A lemezek előbbi műveken visorahelyezésére

Hátra J. 14 ) 92  
 2. 58 ) 56  
 5. 58 ) 100  
 2. 36 ) 22  
 4. 16 ) 20

Előre 4. 19 ) 21  
 2. 40 ) 22  
 5. 62 ) 100  
 2. 62 ) 55  
 17

Hátra J. 16 ) 56  
 2. 60 ) 100  
 5. 60 ) 22  
 2. 27 ) 20  
 4. 17

Előre 4. 19 ) 21  
 2. 40 ) 22  
 5. 62 ) 100  
 2. 62 ) 56  
J. 18 ) 56

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A lemezek átváltás helyezésére

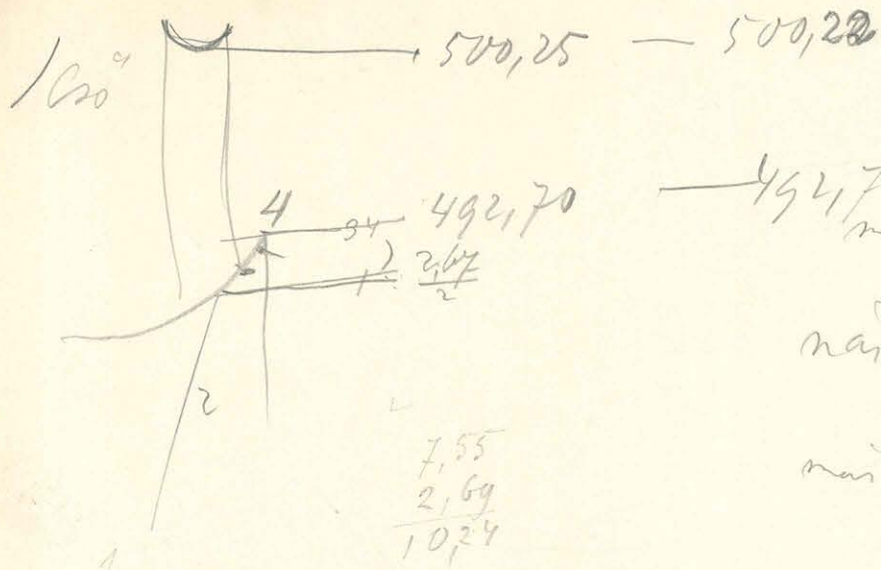
Előre J. 18 ) 92  
 1. 10 ) 26  
 2. 26 ) 37  
 5. 72 ) 201  
 2. 74 ) 252  
 4. 26

Hátra 4. 24 ) 252  
 2. 72 ) 201  
 5. 71 ) 26  
 2. 35 ) 29  
 1. 6

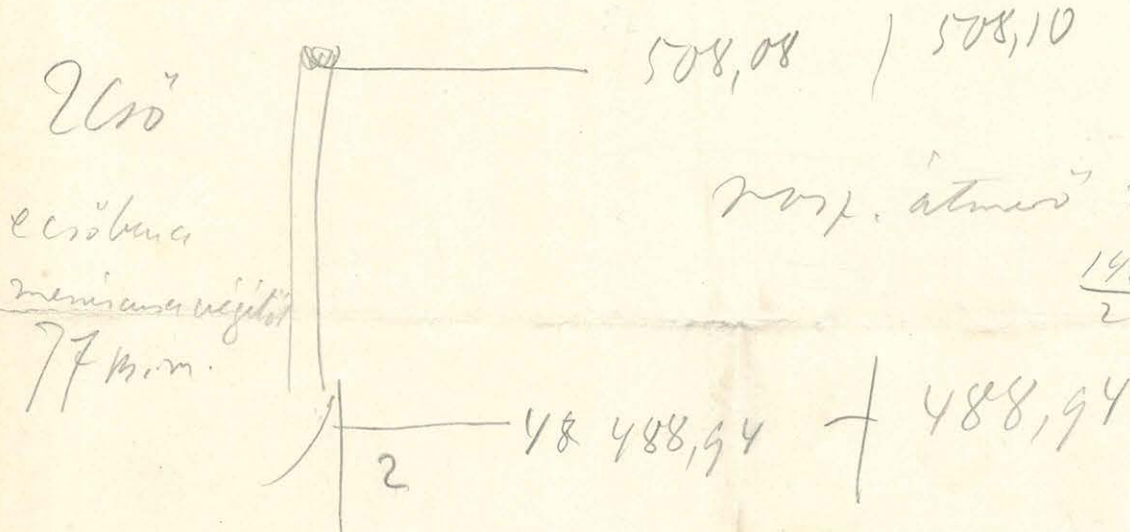
Lemezek tárolására spharométerrel 1,983 m m.

Cső melléklet

memória a cső végéről 60 mm



memória	500,25	hátra	35,268
előre	67,269	67,268	
más helyen	94,276	91,277	
más darab	74,270	42,271	
70		71,271	
más helyen	14,282	55,281	
		14	



Úró  
 észlelve  
 memóriára végéről  
 77 mm.

prop. átmérő beosztás  
 $\frac{140}{2} - \frac{160}{2}$

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Alaska

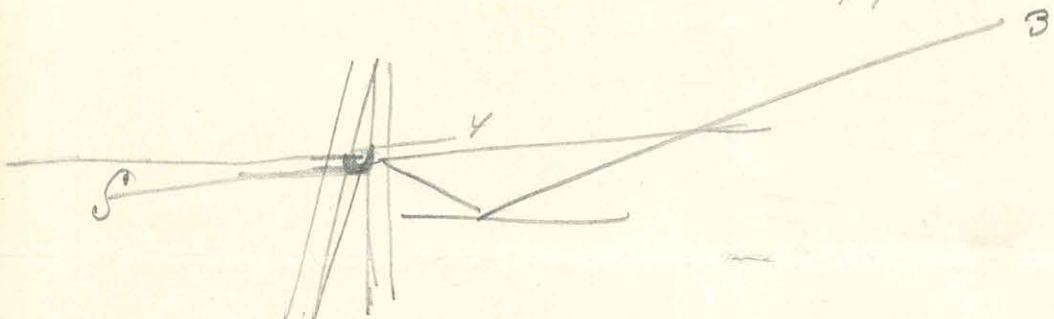
1. 76 ) 250  
 2. 20 ) 207  
 5. 19 ) 27  
 3. 82 ) 29  
 4. 50

1. 75 ) 250  
 2. 22 ) 204  
 5. 18 ) 26  
 3. 82 ) 28  
 4. 54

Elore

4. 55 ) 20  
 2. 85 ) 26  
 5. 21 ) 200  
 2. 24 ) 250  
 1. 77

4. 55 ) 28  
 3. 80 ) 28  
 5. 21 ) 202  
 2. 20 ) 254  
 1. 77



hatory

1 27 ) 24  
 2 0 ) 59  
 3 41 ) 11  
 4 20

Elore

4. 21 ) 11  
 3. 42 ) 60  
 2. 2 ) 24  
 1. 26

hatory

1. 25 ) 22,5  
 2. 1,5 ) 60,5  
 3. 41 ) 10  
 4. 21

4. 22 ) 11  
 3. 40 ) 60  
 2. 2 ) 32  
 1. 25

A timor oldakk helyerve

Elvire  
 I. 35 ) 882  
 4. 17 ) 29  
 2. 16 ) 35  
 5. 87 ) 201,5  
 2. 82,5 ) 252,5  
 1. 26 )

Habra 1. 22 ) 251  
 2. 82 ) 200  
 5. 79 ) 25,5  
 2. 42,5 ) 27,5  
 4. 16 )  
 I. nem lakott

Lemmer clove helyerve abony a minicus

I nem lakott  
 Habra  
 4. 16 ) 7  
 2. 9 ) 127  
 5. 22 ) 26  
 2. 56 ) 28  
 4. 18 )

Elvire 4. 18,5 ) 40,5  
 2. 59 ) 27  
 5. 86 ) 125  
 2. 11 )

Habra  
 2. 9 ) 126  
 5. 80 ) 25  
 2. 58 ) 41,5  
 4. 16,5 )

Elvire 4. 17 ) 40  
 2. 57 ) 26  
 5. 82 ) 125  
 2. 8 )

oldakk allitva  
 Lemmer (allitva)

3. 57 ) 222  
 5. 79 ) 201  
 2. 80 ) 252  
 1. 22 )

Habra 1. 22 ) 252  
 2. 79 ) 202  
 5. 77 ) 27  
 2. 40 ) 27  
 4. 12 )

~~A Lemmer clove helyerve a minicus  
 helyett (4. 12)~~

Hátra! 4 10  
 a teny ~~hátra~~ elve állítás  
 2. 22 ) 91  
 5. 10 ) 109  
 3. 88 ) 25  
 4. 56 ) 22

Előre! 4 58 ) 25  
 2. 92 ) 20  
 5. 16 ) 112  
 2. 28 ) 112

Hátra! 1  
 2. 25 ) 110  
 5. 15 ) 24  
 3. 91 ) 34  
 4. 59

Előre 4. 59 ) 32  
 2. 92 ) 25  
 5. 17 ) 110  
 2. 27

2 elve ~~27~~ 27

teny oldall leve

Előre 4. 14 ) 87  
 2. 42 ) 29  
 5. 78 ) 25  
 2. 79 ) 207  
 1. 21 ) 252

Hátra 1. 29 ) 251  
 2. 78 ) 202  
 5. 75 ) 25  
 2. 40 ) 28  
 4. 12

Hátra 4. 12

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teny elve helyesve

Amennyiben fűl 2

Hátra 2. 2 ) 22  
 2. 70 ) 98  
 4. 72

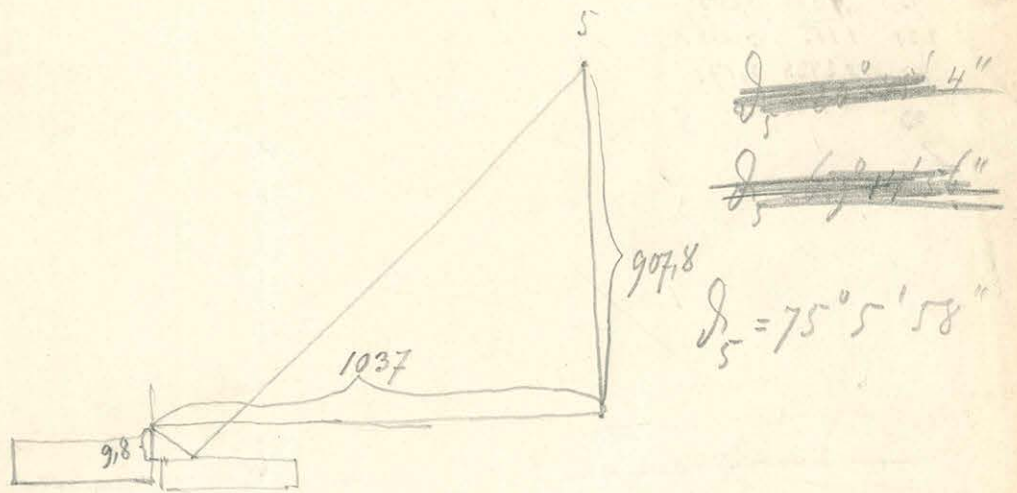
Előre 4. 71 ) 97  
 2. 71 ) 21  
 2. 2

Hátra 1. 1 ) 22  
 2. 69 ) 98,5  
 4. 70,5 ) 2

Előre 4. 70 ) 97  
 2. 70 ) 22  
 2

A teny oldall leve

Előre 4. 70 ) 568  
 3. 1 ) 31  
 5. 28,5 ) 375  
 2. 38,5 ) 200  
 1. 005 ) 271,5



$\log \Delta_{12} = 0,6607516 - 1$	$\Delta$	0,45788
$\log \Delta_{25} = 0,5604849 - 1$		0,26748
$\log \Delta_{53} = 0,8837147 - 2$		0,076439
$\log \Delta_{34} = 0,7900712 - 2$		0,06166



91 12 áráskorok

Hátország		
1, 299,5	1,4525	3,172
2, 232,5	1,1625	3,198
5, 46,5	0,2925	3,042
3, 35	0,1750	
		1. 82,289
		2. 94,234
		5. 60,46
		3. 14,36
		4. 78

Előre		
4.	85	24
2.	19	47
5.	66	201
2.	97	292
1.	89	

10)

Ezen 10 értékek közül a legkisebb érték

- $a_{1,2} = 3,382$
- $a_{2,3} = 3,365$
- $a_{3,4} = 3,287$
- $a_{4,5} = 2,802$

a) 3-4 horizontális távolság kijáratra  $a = 2,8$ -al  
 $= 0,0103 \text{ m.m.}$

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a) 3-5 horizontális távolság kijáratra  $a = 3,29$ -al  
 $\text{Képlet} = 0,058 \text{ m.m.}$

ezen két érték a legkisebb értékhez hozzáadva  
 távolság hat mint  $\frac{1}{100}$  milliméter - ez már nem ilyen kicsi érték

$$0,0103 + 0,058 = \text{minimálisan } \frac{7}{100} \text{ milliméterre}$$

- 3 4 5 6 hat hátra
- 1) 332,9
  - 2) 261,5
  - 5) 54,75
  - 2) 37,25
  - 4)

4<sup>th</sup> kinézet

Julius 21. d. e. l.

7. 118, 217  
 4. 85, 178  
 3. 13, 80  
 2. 90, 276  
 1. 119, 276

1. 147, 278  
 2. 119, 90  
 3. 29, 168  
 4. 111, 8  
 5. 145, 216

52, 19  
 1. 34, 80  
 2. 54, 181  
 3. 70, 181

75, 182  
 58, 80  
 38, 16  
 54

120, 215  
 85, 177  
 12, 80  
 32, 279  
 121, 279

146, 278  
 118, 88  
 30, 1176  
 104, 212  
 141, 212

52, 18  
 34, 79  
 55, 182  
 70, 182

75, 184  
 59, 79  
 38, 17  
 55, 17

113, 278  
 81, 178  
 9, 82  
 91, 277  
 148, 277

140, 276  
 114, 84  
 30, 1173  
 107, 217  
 140, 217

52, 18  
 35, 180  
 55, 181  
 74, 181

76, 182  
 58, 80  
 38, 18  
 56, 18

112, 220  
 82, 178  
 11, 79  
 90, 275  
 115, 275

142, 277  
 116, 85  
 31, 1173  
 108, 216  
 142, 216

HUNGAR  
 AKADEMIA  
 KÖNYVTÁRA

(0,1) 0,09 m.m.  
 (1,1) 0,299 m.m.  
 (2,1) 0,910 m.m.

$\log N_{12} = 0,12474079$  |  $\log N_{13} = 0,6065620$   
 $N_{12} = 0,17661$  |  $N_{13} = 0,40417$   
 $0,52 a_{12} = 2,259$  |  $3,27 a_{23} = 2,251$

114, 219  
 83, 177  
 10, 77  
 87, 277  
 104, 277

142, 277  
 115, 85  
 30, 1170  
 110, 218  
 142, 218

(04) 0,217 m.m.  
 (43) 0,350 m.m.  $a_{34} = 2,258$   
 (22) 1,666 m.m.  $a_{23} = 2,262$   
 (21) 0,554 m.m.  $a_{12} = 2,156$

217  
 175  
 83 (833)  
 277

$7,11 \log V_{12} = 0,4098978$  |  $V_{12} = 0,25698$   
 $11,24 \log V_{23} = 0,8642414$  |  $V_{23} = 0,72172$   
 $24,45 \log V_{34} = 0,1907216$  |  $V_{34} = 0,15514$

d. u.

4 öraðir

T. 106  
 85 ) 229  
 4 ) 169  
 27 ) 782  
 50 ) 266

77 ) 267  
 60 ) 785  
 112 ) 162  
 125 ) 222

57 ) 171  
 28 ) 78  
 6 )  
 25 ) 178  
 54 ) 171

112 ) 216  
 89 ) 167  
 25 ) 779  
 46 ) 261

78 ) 269  
 59 ) 786  
 22 ) 162  
 126 ) 225

57 ) 172  
 29 ) 77  
 6 )  
 27 ) 172  
 55 )

171,5     $a_{22} = 2,121$   
 77         $a_{11} = 2,180$

(t 4) 225

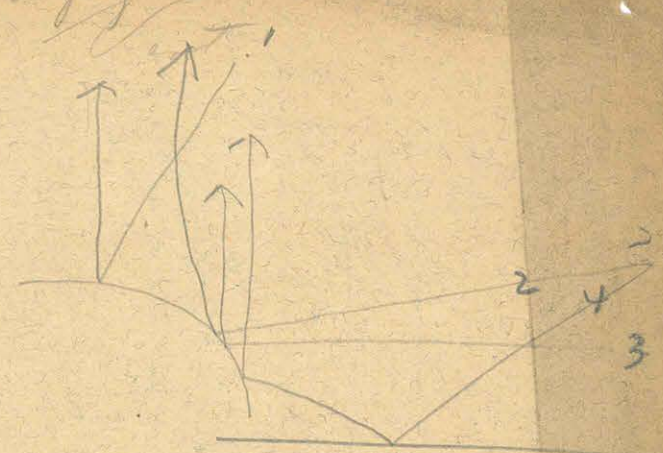
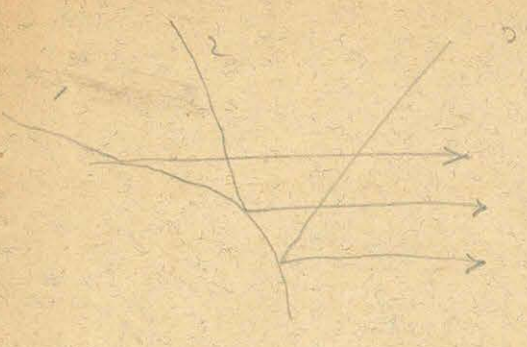
(4 2) 164

(2 2) 782

(2 1) 266



I. für h<sub>1</sub>



3)	70	1.	2	180
2.	80	90	2.	82
1.	0	180	3.	72

70	0	180	2	180
80	90	82	180	
0	180	72	89	

(1,2) = 180      (2,3) = 90

0,90 m.m.  
a = 2,290

0,45 m.m.  
a = 2,307

4.	122	1.	14	67
3.	6	154	2.	197
2.	182	176	3.	20
1.	242	1061	4.	146
	117	138	15	68
	5	175	197	176
	180	62	21	127
	242	144		

118	127	10	60
5	175	200	170
180	61	27	131
242	146		

120	128	10	60
8	172	200	170
180	58	20	122
228		148	

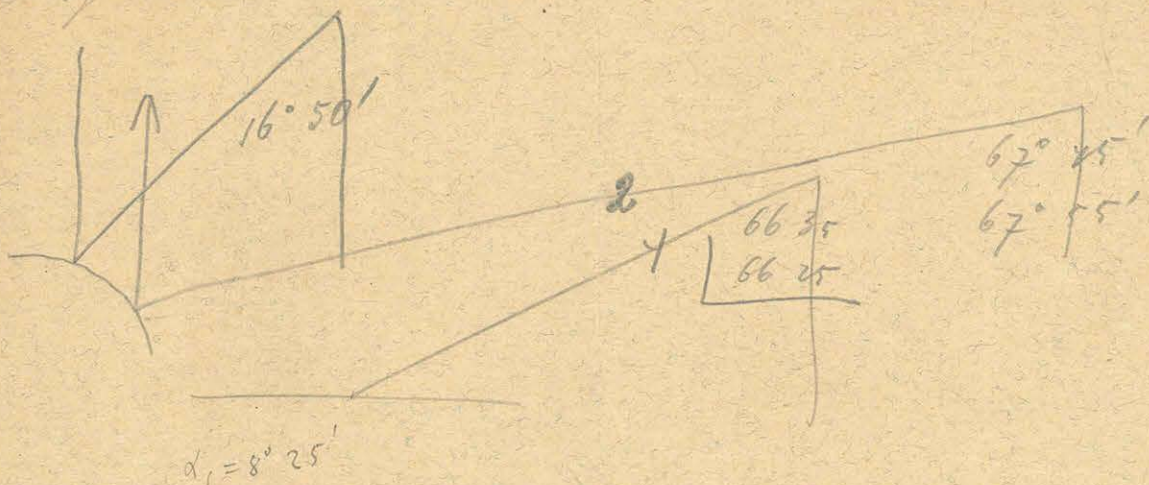
MAGYAR  
ISZOMÉRIKON AKADÉMIA  
KÖNYVTÁRA

~~(4,2) = 1~~  
(4,2) = 103,9  
(2,2) = 174,0  
(2,1) = 1060,9

h = 0,9979 m.m.



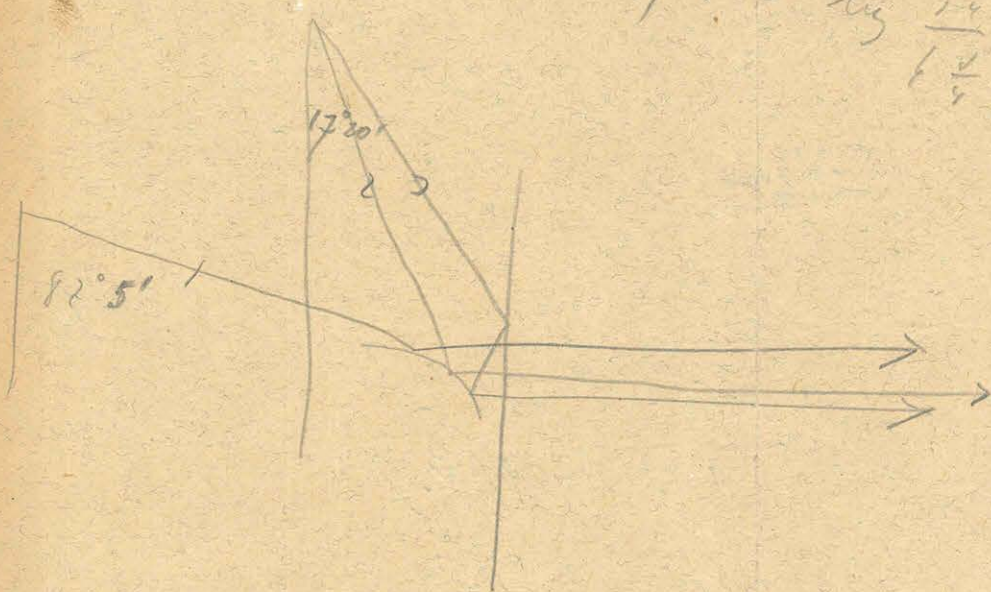
*Figures*      *Veak*



$$a = \frac{1}{\sqrt{2}} \frac{z - z'}{\sin \frac{\delta}{2} - \sin \frac{\delta'}{2}} = \frac{1}{2\sqrt{2}} \frac{z - z'}{\cos \frac{\delta + \delta'}{4} \sin \frac{\delta - \delta'}{4}}$$

$$a = \frac{1}{2\sqrt{2}} \frac{x - x'}{\cos \frac{\delta}{2} - \cos \frac{\delta'}{2}} + \dots$$

$1,1513$  by  $\frac{61}{54}$   
 $\frac{61}{54}$



2) ...

205 1 127  
80 1 168  
218 1 1020  
21 1 1020

44 1 1020  
14 1 165  
99 1 125  
212 1 125

99 1 170  
72 1 85  
57 1 85

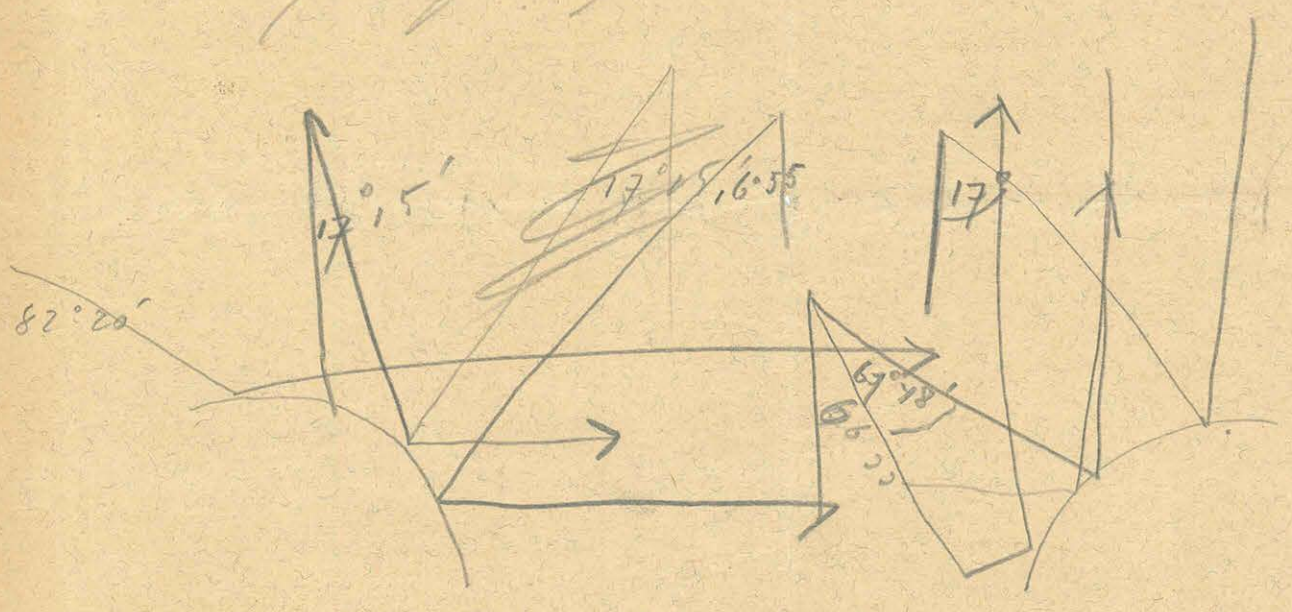
52 1 85  
69 1 85  
97 1 172

197 1 129  
71 1 174  
245 1 1028  
20 1 1028

45 1 1020  
15 1 166  
99 1 1028  
212 1 1028

131  
168  
1028

*My ...*



Vent

MAGYAR  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA

Hor

$\alpha_1 = 16^\circ 55'$   
 $\alpha_2 = 67^\circ 49'$   
 $\alpha_3 = 90^\circ$   
 $\alpha_4 = 66^\circ 32'$

$\beta$   
 $8^\circ 28'$   
 $33^\circ 58'$   
 $45^\circ$   
 $56^\circ 44'$

$\alpha_1 = 87^\circ 11'$   
 $\alpha_2 = 17^\circ 18'$   
 $\alpha_3 = 16^\circ 55'$

$\beta$   
 $3^\circ 54'$   
 $36^\circ 51'$   
 $52^\circ 28'$

a & rögzített érték

Legnagyobb érték

a & rögzített érték

	1,2	2,3	3,4	4,5
AB	2,2728	2,2765	2,2693	2,2795
CD	2,2699	2,2528	2,2634	2,2610
EF	2,2214	2,2116	2,2141	2,2067
GH	2,1953	2,2068	2,1919	2,2102
	8,9594	8,9477	8,9387	8,9574
	<del>2,2797</del>			
	2,2398	2,2369	2,2347	2,2393

MAGYAR  
KÖZLEKEDÉSI  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA

Környezet 2,272

2,2398	+21
2,2369	-8
2,2347	-30
2,2393	+16
8,9507	

a környezet = 2,2377

Tris

Tris

2,238

3 | 2,2247 | 7453  
 Hageb  
 Ohgebe  
 ferd tegek  
 ferd ben  
 ferd

	12	23	34	45
A'B'	2,4267	2,4280	2,4370	2,4433
C'D'	2,2625	2,2717	2,2744	2,2864
E'F'	2,2811	2,2860	2,2787	2,2945
G'H'	2,2238	2,2227	2,2326	2,2414
	9,2041	9,2294	9,2237	9,2656
	<del>2,2540</del>	<del>2,2575</del>	<del>2,2559</del>	<del>2,2664</del>
	2,3010	2,3083	2,3059	2,3164
	2,2398	2,2369	2,2347	2,2393
	2,2454	2,2472	2,2456	2,2457
	4,5408	4,5442	4,5406	4,5557

2,245 | 2,247 | 2,245 | 2,252

Környezet 2,24567

$\frac{a_1}{a} = 0,999993$  |  $\frac{a_2}{a} = 1,000062$  |  $\frac{a_3}{a} = 0,999973$   
 $1 - 0,000027$  |  $1 - 0,000027$   
 2,270% | 2,271 | 2,270 | 2,277



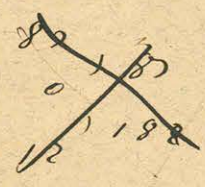
Aug. 1-én 1 lemezt a kijáratba látva, az érintkező  
 rés vonala föredretten feltűnt. Majd 2 lemezt beléve,  
 ezen vonal Rakté' ill.: mindkét vonal igen keskeny léd-  
 vott, a csuklóm az egész manuskrisz mentében egészen egy-  
 nes volt. Ennek egyes helyeken volt kis törés. A törés  
 oly helyen történt, mely igen kövültséget követett és  
 a lemezt vonaluk a következők:

t 4-nak kövültség  
 t' az újonnan kapott 5 léd. Rakté  
 (fingit 2-nak lédjéket Rakté)

5 4 3 2 1.  
 rest.

hor.

t.	22		228	290
t'	124	111	198	198
5.	28	144	102	95
4.	151	123	170	180
3.	77	176	46	124
2.	182	105	160	126
1.	217	285	45	115



81	82,5	16	185
98,5	186	1	82
12,5			

t	24	110	235	288
t'	134		197	197
5	26	142	100	97
4	149	123	170	180
3	76	177	44	126
2	179	105	256	128
1.	215	286	41	115

46	81	82,5	15,5
98,5	186	1,5	186
12			82,5

- (24) 110
- (25) 140
- (26) 124
- (27) 179
- (22) 850
- (21) 287

82,2
185,6

# Loriantilis

$$\begin{aligned} d_1 &= 2^\circ 10' & 1^\circ 35' \\ d_2 &= 27^\circ 15' & 18^\circ 38' \\ d_3 &= 57^\circ 45' & 26^\circ 22' \end{aligned}$$

$$\begin{aligned} \sin & \frac{2-2'}{4} \\ & \frac{1}{2\sqrt{2}} \end{aligned}$$

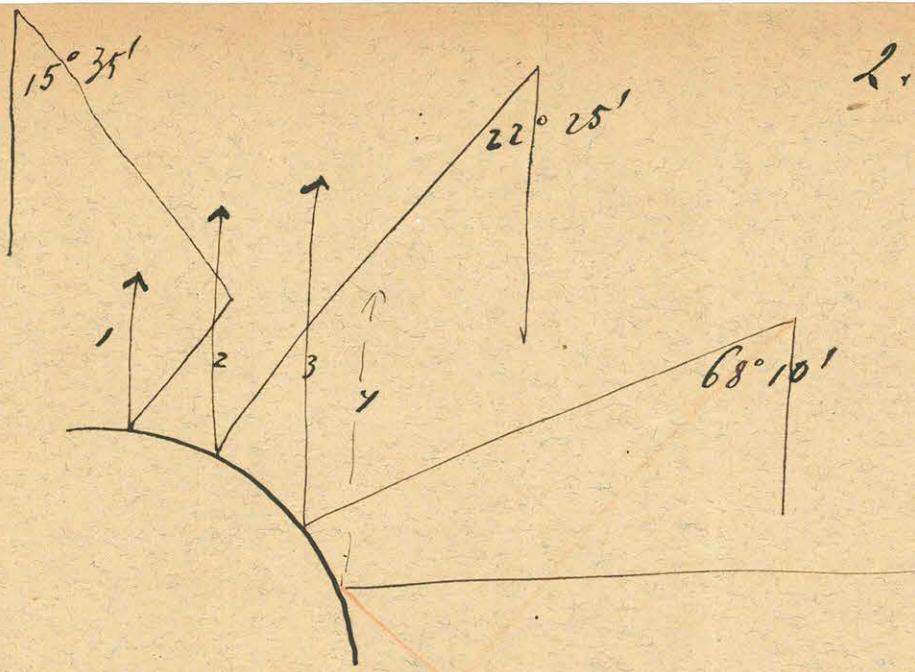
$$\begin{aligned} \frac{d_1 + d_2}{4} &= 10^\circ 6' 15'' \quad \log = 9,99222 \\ \frac{d_1 - d_2}{4} &= 8^\circ 01' 15'' \quad \log = 9,17076 \end{aligned} \quad \left. \begin{array}{l} \text{N} \\ 0,6155 \end{array} \right\}$$

$$\begin{aligned} \frac{d_1 + d_3}{4} &= 13^\circ 58' 45'' \quad \log = 9,98695 \\ \frac{d_1 - d_3}{4} &= 12^\circ 23' 45'' \quad \log = 9,00117 \end{aligned} \quad \left. \begin{array}{l} \\ 0,76900 \end{array} \right\}$$

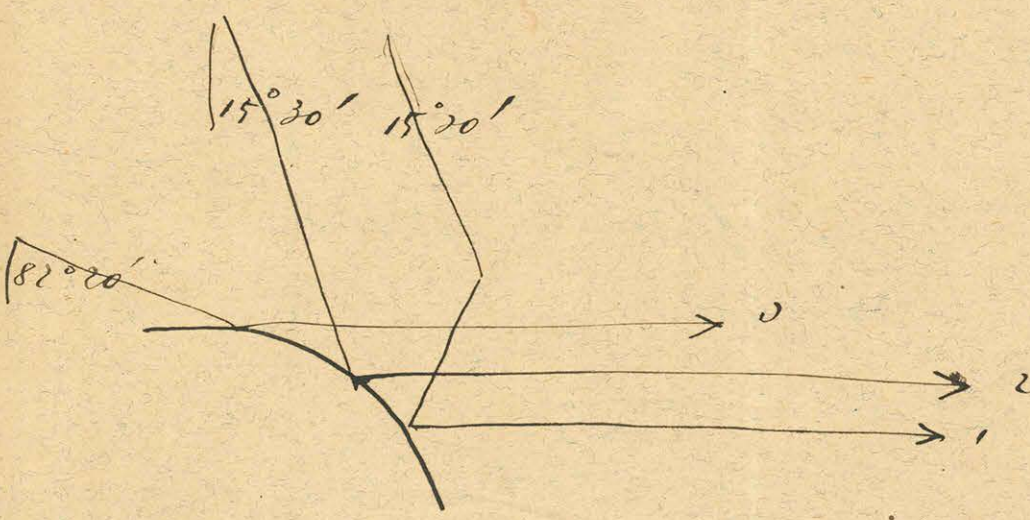
MASTAN  
TOSKONKOS ARADJANA  
KONTIARA

~~16000-11600~~

95904  
67553  
-----  
24351



$\alpha_1 = 15^\circ 35'$      $\delta_1 = 7^\circ 48'$   
 $\alpha_2 = 22^\circ 25'$      $\delta_2 = 11^\circ 10'$   
 $\alpha_3 = 68^\circ 10'$      $\delta_3 = 34^\circ 5'$   
 $\alpha_4 = 90^\circ$          $\delta_4 = 45^\circ$



$\delta_1 = 52^\circ 45'$   
 $\delta_2 = 27^\circ 15'$   
 $\delta_3 = 3^\circ 50'$

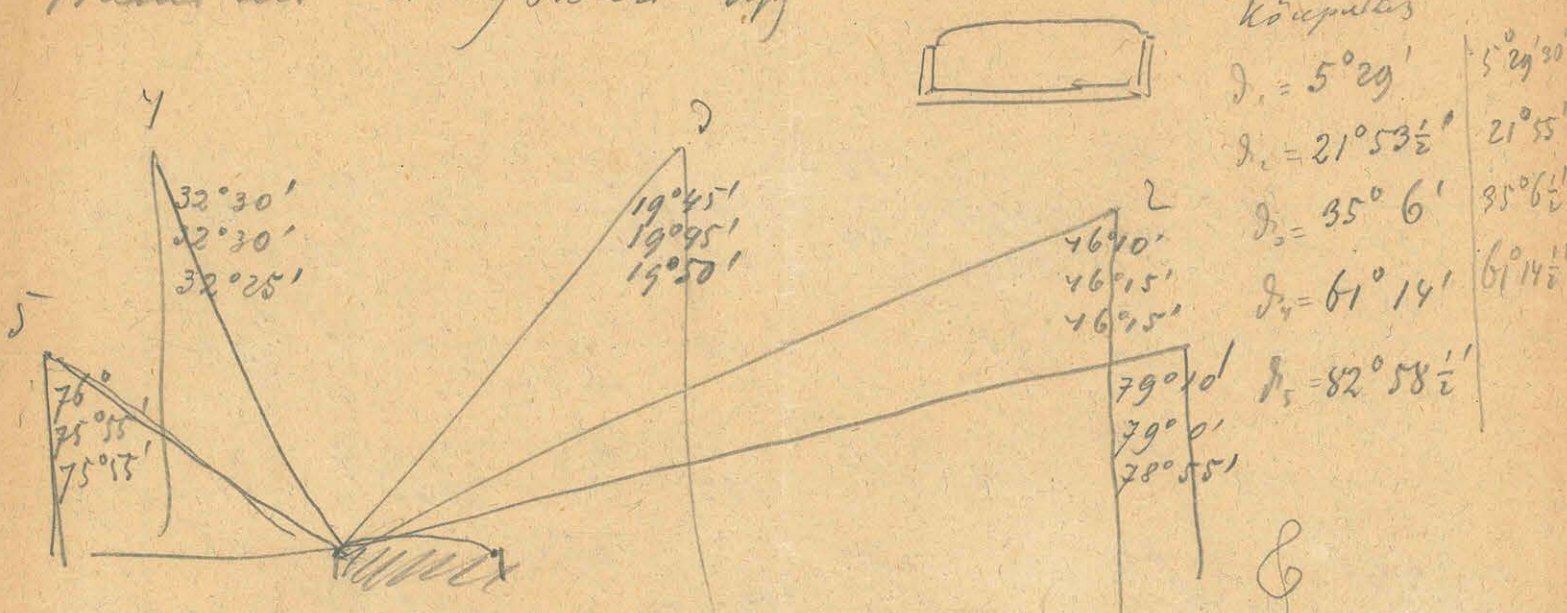
$\frac{\delta_1}{2} = 3^\circ 54'$	$\cos \frac{\delta_1}{2} = 0,9977$	$\frac{\delta_1}{4} = 1^\circ 57'$	$\frac{y}{x}$	$\frac{y}{y}$
$\frac{\delta_2}{2} = 5^\circ 27'$	$\cos \frac{\delta_2}{2} = 0,9952$	$\frac{\delta_2}{4} = 2^\circ 49'$	0,0040	8,53208
$\frac{\delta_3}{2} = 17^\circ 25'$	$\cos \frac{\delta_3}{2} = 0,9561$	$8^\circ 31'$	0,0492	8,69196
$\frac{\delta_4}{2} = 22^\circ 20'$	$\cos \frac{\delta_4}{2} = 0,9229$	$11^\circ 15'$	0,1498	9,17536
			0,1989	9,29866

(N <sub>12</sub> )	0,409563	N	0,226285	h a	0,222947
(N <sub>22</sub> )	<del>0,4212571</del>	<del>0,226285</del>	<del>0,226285</del>		0,25727
(N <sub>32</sub> )	0,264300				0,252228
(N <sub>42</sub> )	0,925422-1				
	<del>0,7805115</del>				
	0,291289				
	0,81610				
	0,190842				



5. mérési hiány I

Febr. 14. iken. Edegy ~~hossza~~ ~~szélessége~~ ~~hossza~~ = 70 méter = 7  
 Mérték van irány szögének irány



Központok  
 $\beta_1 = 5^\circ 29'$   $5^\circ 29' 30''$   
 $\beta_2 = 21^\circ 53\frac{1}{2}'$   $21^\circ 55'$   
 $\beta_3 = 35^\circ 6'$   $35^\circ 6\frac{1}{2}'$   
 $\beta_4 = 61^\circ 14'$   $61^\circ 14\frac{1}{2}'$   
 $\beta_5 = 82^\circ 58\frac{1}{2}'$

Hiány bevitel 12. iken este.

Mérés elvére a mérések succesív végére  
 az 1. és 2. mérési hiányt nem igazolják.

1	37	92	92	91,5	60	91,5	44	99,5	70	91
2	29,5	71	82,5	72	50,5	73	33,5	72,5	58	72
3	15,5	133,5	55	134	23,5	133,5	6	100	30	102,5
4	35	99	89	98	57	98	39	99	62,5	98,5
5	34	87	87	55	55	38	62			

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 KÖNYVTÁRA

Mérés hiánya

B

5	58,5	98,5	6,5	99,5	82	99	45	99	36	99
4	60	104	7	104	80	100	46	100	27	102
3	26	71	70	72	50	71,5	10	72	5	72
2	55	92,5	1	91,5	70,5	91	41	91	30	90,5
1	64	10,5	2	89	80	51	42	91	20	90,5

Központok a 10. mérési hiány  
 $(1,2) = 91,3$   
 $(2,3) = 71,9$   
 $(3,4) = 100,35$   
 $(4,5) = 98,75$

501. 30p - Rör  
 Minus lösa!

C

1.	60,5	92	33	57	47,5
	50	89,5	23	47	34
	48,5	82,5	21	47	33
	19,5	71	91	16,5	4
		53	92	16,5	4
		55	92	16,5	4
		132	92	16,5	4
	51,5	88	25	49,5	37
		97,5	97	97,5	98,5
	49	95	22,5	48	35,5

Minus lösa!

D

5.	33	34	75	70	90
		98	99	98,5	90
	35	35	76,5	72	90
		100	100	100,5	100,5
	2	2	40	29	59,5
	1	2	44	40	56
		72	72	72	71
	29	30	72	68	85
	30,5	31	76	69	86
		92,5	92	92	92
	38	39	80	77	92

Köyp

- (1,2) = 91,20
- (2,2) = 71,15
- (2,4) = 133
- (4,5) = 97,95

Kisjámítás a rögzített & rögzített érték

$$H_{12} = 0,20089$$

$$\log H_{12} = 0,3029525 - 1$$

$$H_{22} = 0,15792$$

$$\log H_{22} = 0,1984348 - 1$$

$$H_{34} = 0,29387$$

$$\log H_{34} = 0,4680640 - 1$$

$$H_{45} = 0,21661$$

$$\log H_{45} = 0,3356740 - 1$$

A és B értékek a rögzített közepeérték:

$$a_{12} = 2,2724$$

$$a_{22} = 2,2765$$

$$a_{34} = 2,2693$$

$$a_{45} = 2,2795$$

15. évi d. e. júni 20

Működés a köznevelési törvény alapján.

Eltérítés  
MAGYAR  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA

1	15	90	86	89	6	89	95	89	41	88
2	5	70	75	69	95	70	84	70	29	69,5
3	4	129	77	129	94	130	85	130	29,5	130
4	74	96	46	96	64	96	55	96	99	96
5	3	96	75	96	94	96	85	95,5	98	96
5	99		71		90		80,5		28	
									24	

F hátra

5	21	95,5	60	96	47	95	25	95	55	95
4	25,5	129,5	64	131	52	131	30	131	60	130,5
3	96	71	33	69	21	70,5	99	70	29,5	69,5
2	25	88	64	89	50,5	90	29	90,5	60	91
1	37		75		52		31,5		69	
					63		41,0			

2 és 7 bit közép 1,2 = 89,25 | 2,3 = 69,85 | 3,4 = 130,1 | 4,5 = 95,6

15. Jan. D. n. 12 ora 30 linc

Mirás elvira!

9

1.	69	75	44	10,5	80,5	86,5
	188	188	88	88,5	86,5	
2.	57	63	22	99	67	67
	71	64	22	70	67	69
3.	26	22	2	69	36	129
	127,5	1129	0,5	122,5	129	129
4.	57,5	62	29	98	65	95,5
	95,5	96	96	96	96	95,5
5.	49	58	25	94	60,5	

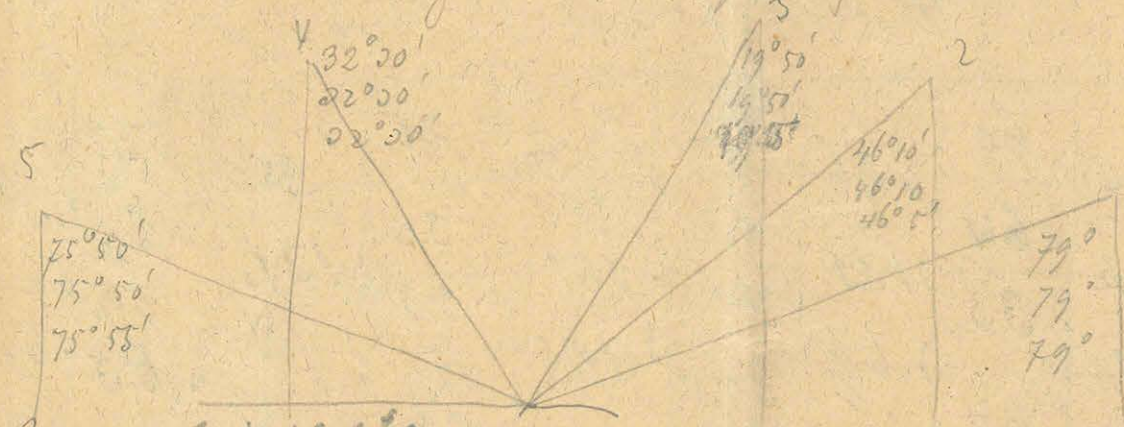
Mirás hetes!

11.

5.	57	47,5	45	45	51	196
	195	195,5	95	96	55	196
4.	62	49	50	49	55	129,5
	129	129,5	129	129	129	129,5
3.	33	19,5	21	20	26,5	70
	69,5	69,5	69	70	56,5	70
2.	62,5	50	52	50	56,5	88
	89	88	90	88	88,5	88
1.	76	64	63	64	70,5	

MACTAR  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA

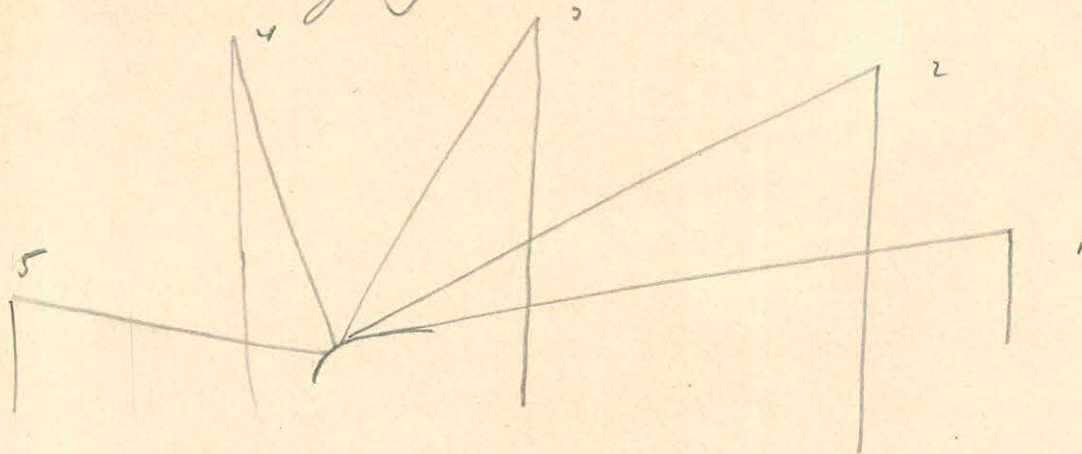
Mirás az 2. vizsgára. Képlettel és történnel allok.



Körkép S. in H. k. 1

(1,2) = 88,2 | (2,3) = 69,7 | (3,4) = 128,8 | (4,5) = 95,75

Friss vizny felület. Felület 120. 35 p. <sup>Február 15</sup>



Apr 1<sup>o</sup> viz 2<sup>o</sup> viz között

Mérés előre 120. 40 p.

A) 1

1	57	96,5	99	97	98	67	96	9,5	97,0
2	53,5	78,5	96	77	77	60	78	6,5	76
3	52	144,5	70	142,5	77,5	65	142	5	142
4	30,5	106	16,5	106,5	77	40	105,5	87	105
5	75	22	26	90,5	24	29			

Mérés hátra

B) 1

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KÖNYVTÁRA

5	76	105	20,5	106,5	25	88	106	25	105
4	71	144	14	144	18	82	142,5	20	142
3	27	77	70	77	74,5	39,5	76,5	70	75,5
2	50	98	90	99	97	60	98	2,5	97,5
1	51,5	94,5	1	67	99	65	98	2,5	97,5

Középérték: (12) = 97,5  
(22) = 77,0

(34) = 142,2  
(45) = 105,85

Mérés Alma 30. 30p. C) 1

1.	17,5	<del>32,5</del>	52,5		54		95		80
		91,5	) 90		) 90		) 90		91,5
2.	9	<del>42,5</del>	42,5		44		85		74,5
		70,5	) 71,5		) 72		) 72		74,5
3.	79,5	<del>15,5</del>	15,5		15		57		46,5
		124	) 122,5		) 124		) 124,5		124
4.	12,5	49	49		49		91,5		80,5
		99	) 98		) 99		) 98,5		99
5.	12,5	47	47		48		90		79,5

Mérés Palma 2)

5	77		91,5		2,5		82,5		85
		99,5	) 99,5		) 99,5		) 99,5		99
4	77,5		92		0		80		86
		100	) 102,5		) 104		) 100		100
3	44,5		58,5		69		50		50
		71,5	) 71,5		) 71,5		) 70		72
2	70		87,5		97,5		77		81
	70		80,5		98,5		79,5		80,5
		91	) 91,5		) 91,5		) 91,5		90,5
1	82		97		7		88		90

Körpírók: (1,2) = 90,9

(2,3) = 71,75

(3,4) = 102,65

(4,5) = 99,05

Febnuar 16 delben 12 ora 25

Amo E'

1	8	96	75	50	96
		) 93	) 90,5	) 91	) 93
2	1	86,5	36	46	86
		99,5	85	34	87
		) 72,5	) 70	) 72,5	) 72
2	72	58	6,5	78	59,5
		) 133	) 135	) 134	) 132,5
4	5	90	39	51	90
		) 99	) 99	) 99,5	) 99
5	4	92	38,5	50	92

hátan

MAGYAR  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA

5	89	41	28	47	70
		) 99	) 100	) 100	) 100
4	90	41	28	47	72,5
		) 134	) 132,5	) 134	) 132
3	56	7,5	94	70	39
		) 71	) 71,5	) 70	) 72
2	85	36	21	41	67
		) 93	) 93	) 91	) 90
1	92	44	32	50	78

Kiszámlázottak (12) = 91,65 (24) = 100,90  
 (2,2) = 72,2 (45) = 99,40

Február 17-én este 7 órákor

Mérés elöre

9'

1	21,5	33,5	47	49,5	70	89
	11	23	36,5	39	59	
2	11	21,5	34,5	37	57	70
	82	90	5	7	27	
3	13	23,5	36	38	58	131
	13	23,5	36	38	58	
4	10	20	32	36	56	98
	10	20	32	36	56	

Mérés utóba

20'

5	52	35	62	61	75,5	98,5
	55	38	67	64	77	
4	20	6	35	10	46	131
	50	35	65	42,5	75	71
2	55	38	65,5	42,5	76	
	65	48	76	54	85,5	90,5

hőmérő értékek

$$(1,2) = 89,75$$

$$(2,2) = 70,55$$

$$(2,4) = 101,25$$

$$(4,5) = 97,1$$



12 napos hígany

$$z_1 - z_2 = 0,4115 \text{ mm } (\pm 0,0007)$$

$$J_1 = 6^\circ 10'$$

$$z_2 - z_3 = 0,9620 \text{ mm } (\pm 0,0016)$$

$$J_2 = 21^\circ 32,5'$$

$$z_3 - z_4 = 0,4996 \text{ mm } (\pm 0,0008)$$

$$J_3 = 59^\circ 40'$$

$$J_4 = 82^\circ 30'$$

$$\sin \frac{J_1}{2} = 0,0508$$

$$\sin \frac{J_2}{2} - \sin \frac{J_1}{2} = 0,1001 \quad \text{log} = 0,12418$$

$$\sin \frac{J_2}{2} = 0,1869$$

$$\sin \frac{J_3}{2} - \sin \frac{J_2}{2} = 0,0106 \quad \text{log} = 0,49220$$

$$\sin \frac{J_3}{2} = 0,4975$$

$$\sin \frac{J_4}{2} - \sin \frac{J_3}{2} = 0,1619 \quad \text{log} = 0,20925$$

$$\sin \frac{J_4}{2} = 0,6594$$

$$\text{log } 0,4115 = 0,61407 - 1$$

$$\text{log } 0,9620 = 0,98018 - 1$$

$$\text{log } 0,4996 = 0,69862 - 1$$

$$\begin{array}{r} 0,12418 - 1 \\ 0,15052 \\ \hline 0,27470 - 1 \end{array}$$

$$\begin{array}{r} 0,20925 \\ 15052 \\ \hline 0,35977 \end{array}$$

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$$\begin{array}{r} 0,49220 - 1 \\ 15052 \\ \hline 0,64272 \end{array}$$

$$\text{log } a_1 = \begin{array}{r} 0,61407 - 1 \\ 0,27470 - 1 \\ \hline 0,33967 \end{array}$$

$$\begin{array}{r} 0,98018 - 1 \\ 0,64272 - 1 \\ \hline 0,34046 \end{array}$$

$$\begin{array}{r} 0,69862 - 1 \\ 0,35977 - 1 \\ \hline 0,33885 \end{array}$$

$$a_1 = 2,186$$

$$a_2 = 2,190$$

$$a_3 = 2,182$$

$$\underline{a = 2,186}$$

$$\frac{a_1}{a} = 1,0008$$

$$\frac{a_2}{a} = 1,0018$$

$$\frac{a_3}{a} = 0,9981$$

Felületi rétegek átlagos mérete

$$z_1 - z_2 = 0,466 (\pm 0,001)$$

$$z_2 - z_3 = 1,082 (\pm 0,002)$$

$$z_3 - z_4 = 0,5675$$

$$\text{log } 0,4660 = 0,66809 - 1$$

$$\begin{array}{r} 0,27470 - 1 \\ \hline 0,39069 \end{array}$$

$$\text{log } 1,082 = 0,0042270$$

$$\begin{array}{r} 0,6427200 - 1 \\ \hline 0,3915070 \end{array}$$

$$a_1 = 2,475$$

$$a_2 = 2,460$$

$$a_3 = 2,4787$$

$$a = 2,472$$

$$\text{log } 0,5675 = 0,75097$$

$$\begin{array}{r} 0,35977 \\ \hline 0,39422 \end{array}$$

1 óra munka a felület után

$$z_1 - z_2 = 0,445$$

$$z_1 - z_3 = 1,0400$$

$$z_3 - z_4 = 0,5420$$

$$\begin{array}{r} \log z_1 - z_2 = 0,64836 - 1 \\ 0,27470 \\ \hline 0,37366 \end{array}$$

$$a_1 = 2,3640$$

$$\begin{array}{r} \log 1,0400 = 0,0170555 \\ 0,64272 \\ \hline 0,6597755 \end{array}$$

$$a_2 = 2,3677$$

$$\begin{array}{r} \log 0,5420 = 0,72400 \\ 0,25977 \\ \hline 0,98377 \end{array}$$

$$a_3 = 2,3671$$

$$a = 2,366$$

Köze

R. b. 2 y óra munka  $a = 2,337$

A funk feloszt. értékek

$a_1$	$a_2$	$a_3$
2,186	2,190	2,182
2,475	2,463	2,478
2,364	2,368	2,367
<u>2,3416</u>	<u>2,3403</u>	<u>2,3423</u>

Köze 2,3414

$$\frac{a_1}{a} = 1,00008$$

$$\frac{a_2}{a} = 0,99953 \quad 1 - 0,00047$$

$$\frac{a_3}{a} = 0,00038$$

Ulyen

$$26^{\circ} 20' = 440984$$

$$18^{\circ} 35' \quad 318684$$

$$\hline 0,122200$$

$$0,4426$$

$$-3186$$

$$\hline 1250$$

$$1^{\circ} 25'$$

$$318684$$

$$0,0276509$$

$$\hline 0,291055$$

$$150515$$

$$\hline 0,441568$$

$$959041$$

$$\hline 6058$$

$$250$$

$$3187$$

$$374$$

$$\hline 72850$$

$$0,0874265 - 1$$

$$150515$$

$$\hline 0,2379415 - 1$$

$$6009729$$

$$\hline 2620014$$

$$4553$$

$$1505$$

$$\hline 6058$$

Horizontális

$$82^{\circ} 51'$$

$$67^{\circ} 50'$$

$$82^{\circ} 20'$$

$$67^{\circ} 48'$$

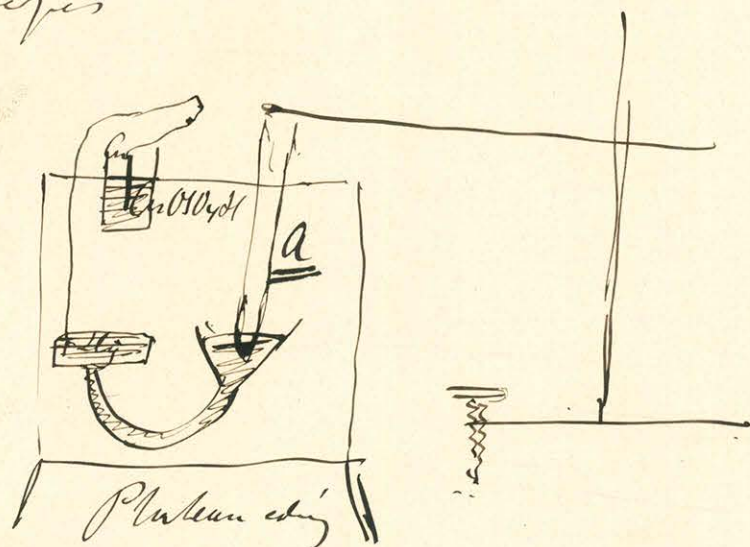
$$d_1 = 82^{\circ} 12'$$

$$d_2 = 67^{\circ} 49'$$

Kislev 1880 November 16-én.

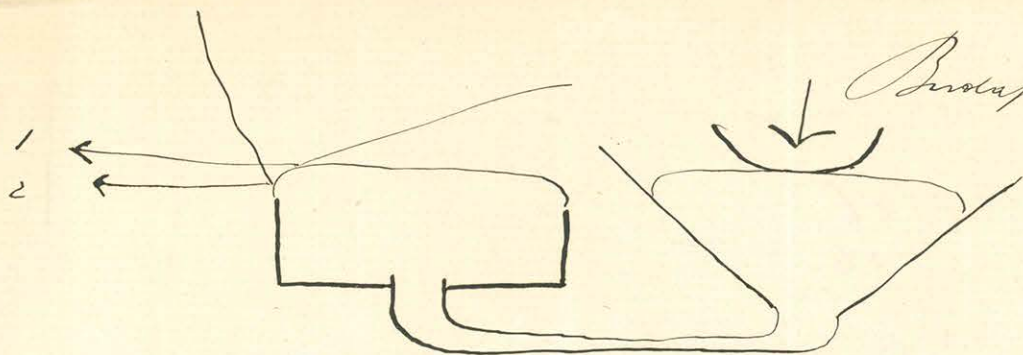
Megvizsgálható van-e elektrolyzissal a kén-  
hidrogén a kénhidrogén-nátrium és a szulfidok való-  
sán valóban keletkezéséről a-ra.

Bemutató



A Helyi felület víz és vízben oldott kén-szulfidok  
és a kénhidrogén és a kénhidrogén-nátrium. A kénhidrogén a vízben oldott  
szulfidokból való keletkezéséről. A kénhidrogén valóban keletkezik  
97 mm. vastag kénhidrogén-szulfidokból és a kénhidrogén-  
szulfidokból - a kénhidrogén és a kénhidrogén-nátrium  
keletkezéséről, ha az egyik kénhidrogén és a kénhidrogén-nátrium

Budapest 1883. febr. 7.



A higany 11. órákor öntetett fel s a mérés 11. órával megindultak.

(12)	241,5	239
	239,5	238

A higany feltöltését fejeztük

240	240
-----	-----

A feltöltés fejeztét megindítottuk

238	238
-----	-----

Mérés 11. órára higanyon 1 ó. 30 p. kor.

231	230
-----	-----

A higany visszahúzását megkezdte benyomása által ~~50~~  
50 (200. ad m.m. el) emelve

232	232
-----	-----

A visszahúzás megkezdte

228	227
-----	-----

(12) mérés d. u. 4 órákor

220	222
-----	-----

A nivcaut 50- et envolve :

220	226
227	226

A nivcaut a co<sup>o</sup> Rivēlele āllit ujbūt vinnāllitōe :

210	212
210	212

A nivcaut 80- ut envolve :

220	228
228	228
226	228

A nivcaut vinnāllitōe :

204	204
205	207
206	208

---

Mēris Tōrakor (vākkorallanul kappottē jolūleken).

212	214
214	214

A nivcaut 110- et envolve :

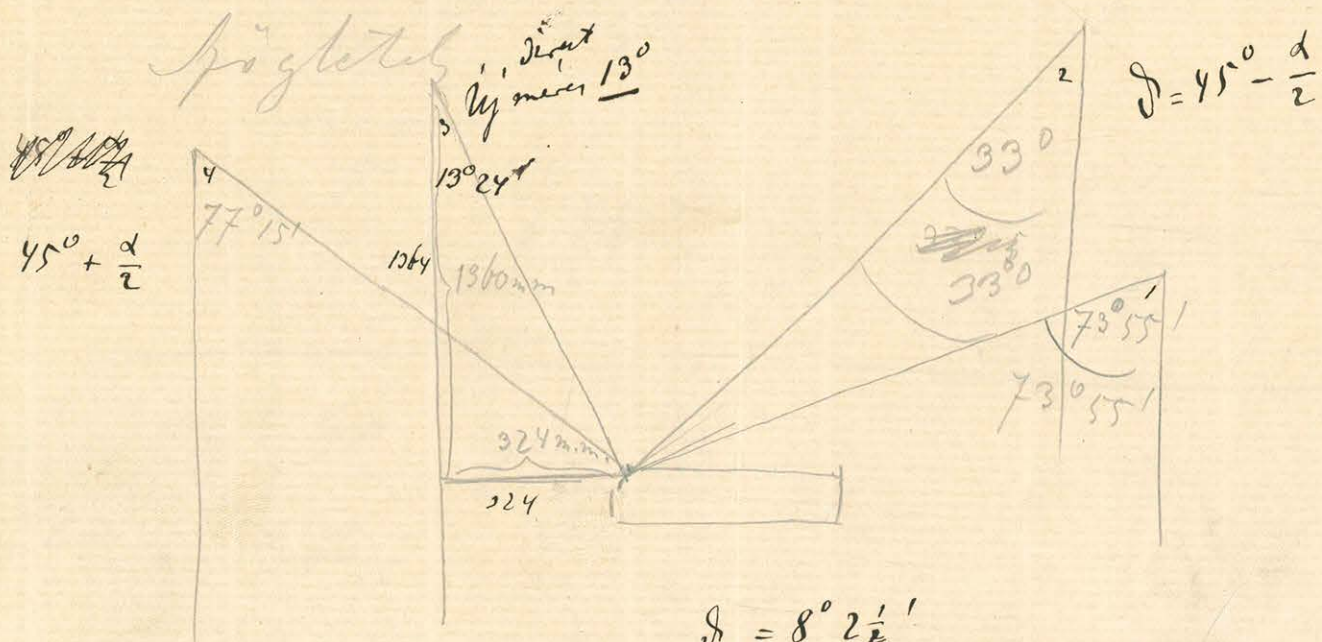
220	229
227	228
228	227

A nivcaut vinnāllitōe :

204	205
206	208
210	211

# Spiegelteles alyhanen kammus

Täll erikän kirjany meris kuu



$$d_1 = 8^{\circ} 22 \frac{1}{2}'$$

$$d_2 = 28^{\circ} 30'$$

$$d_3 = 51^{\circ} 42'$$

$$d_4 = 83^{\circ} 37 \frac{1}{2}'$$

luj meren  $d_2 = 51^{\circ} 30'$

$$N_{8^{\circ}22 \frac{1}{2}' | 28^{\circ}30'} = 0,24894$$

$$\log N = 0,3961066 - 1$$

$$N_{28^{\circ}30' | 51^{\circ}42'} = 0,26850$$

$$\log N = 0,4289561 - 1$$

$$N_{51^{\circ}42' | 83^{\circ}37 \frac{1}{2}'} = 0,32580$$

$$\log N = 0,5129583 - 1$$

$$N_{8^{\circ}22 \frac{1}{2}' | 83^{\circ}37 \frac{1}{2}'} = 0,84386$$

$$\log N = 0,9262730 - 1$$

$d_2 = 51^{\circ} 30'$  et estehes.

$$N_{28^{\circ}30' | 51^{\circ}30'} = 0,26628$$

$$\log N = 0,425347 - 1$$

$$N_{51^{\circ}30' | 83^{\circ}37 \frac{1}{2}'} = 0,328457$$

$$\log N = 0,5164703 - 1$$

Totolukun hijang, I

Sing. 26-an aka 90' - 90' 15" I

1. Atungly bayunayarakab with bay ke...  
 isipelm a hijang jetyntere utam nia p...  
 (faint handwritten notes)

ente gura  
 clore { 60,5 19.  
 74,5 114

Labra { 59 156  
 3

{ 70 19.  
 4,5 131,5

{ 2,5  
 70 102,5

{ 5 19.  
 60 155

{ 70  
 58,5 114,5

2. clore { 60 210,5  
 72,5

Labra { 58 155  
 3

{ 72,5  
 5

{ 2,5  
 71 101,5

{ 4  
 58,5

{ 72,5  
 58 214,5

5. clore { 58 215  
 70

6. Labra { 56 155  
 1

{ 71  
 4,5

{ 2,5  
 70

{ 2  
 57,5

{ 72  
 59



az elöljáró 27-ik cikkével



szelvény 27-ik cikkével főről 20 perccel - főről 40 perccel

A tisztelettel megemlékezésről az előzőekben ismertetett 0,07 m. méterrel  
lejtésű pályán.

előző 11

x 76	)	110
86		
85	)	127
12		
10	)	149
62		

hátul 12

62	)	150
12		
11	)	127
84		
85,5	)	110,5
75		

előző 9

76	)	110
86		
85	)	128
13		
13	)	148
61		

hátul 4

59,5	)	149,5
10		
10	)	127
83		
85,5	)	110
75,5		

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előző 51

76	)	110,5
86,5		
86	)	127
13		
10	)	150
63		

hátul 6

62	)	150
12		
10	)	127
83		
86	)	110
76		

10 wra 15 p...  
 10 wra 15 p...  
 1) 2)

79, 109  
 88  
 -----  
 86, 126  
 12  
 -----  
 12, 149  
 61

60, 149  
 11  
 -----  
 12,5, 125,5  
 87  
 -----  
 86, 109,5  
 76,5

3) clove

77, 110  
 87  
 -----  
 88, 127  
 15  
 -----  
 13, 149  
 62

4) hutor

62, 149  
 13  
 -----  
 11, 126,5  
 84,5  
 -----  
 85, 109  
 76

5) clove

78, 109  
 87  
 -----  
 86, 127  
 13  
 -----  
 12, 149  
 61

6) hutor

60, 149  
 11  
 -----  
 10,5, 126  
 84,5  
 -----  
 86,5, 110,5  
 76

Ag clabba 11 ora 20 perinte - 11 ora 45 perinte

elöre  
 79 108  
 87  
 -----  
 86,5 ) 124,5  
 11  
 -----  
 11 ) 146,5  
 57,5

utóra  
 57 ) 146  
 11  
 -----  
 9,5 ) 124,5  
 85  
 -----  
 87 ) 108  
 79

Méjor kancalva

78 ) 110,5  
 88,5  
 -----  
 87 ) 124  
 11  
 -----  
 11 ) 147  
 58

56,5 ) 146  
 10,5  
 -----  
 10 ) 125  
 85  
 -----  
 87 ) 109  
 78

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 KÖNYVTÁRA

Méjor nélkül elöre

78 ) 108  
 86  
 -----  
 86,5 ) 125,5  
 12  
 -----  
 10,5 ) 147,5  
 58

57 utóra  
 57 ) 147  
 10  
 -----  
 10 ) 126  
 84  
 -----  
 86 ) 109  
 77

Op dlabbi a spoghted benwese utain 12 ora 40 puntal 12 ora 55 in  
 elore 1)

87 ) 108  
89  
 88,5 ) 124,5  
13  
 12 ) 146  
59

hättra 2)  
 57,5 ) 145,2  
12  
 10 ) 125  
85  
 87 ) 107  
80

elore 3)

80 ) 108  
88  
 88,5 ) 124,5  
13  
 12 ) 146  
58

hättra 4)

57,5 ) 145,5  
12  
 10 ) 125  
85  
 88 ) 108  
80

elore 5)

80 ) 109  
89  
 88,5 ) 125  
12,5  
 14 ) 146  
60

hättra 6)

58,5 ) 145,5  
13  
 12 ) 125  
87  
 88 ) 108  
80

By elöhki J.n. 3 rra 40 perr kerr

eläre ↙  
 80 ) 108  
 88  
 —  
 87 ) 125  
 12  
 —  
 11 ) 146  
 57

hätär ↘  
 56 ) 146  
 10  
 —  
 11 ) 126  
 85  
 —  
 86,5 ) 108,5  
 78

eläre ↘  
 78 ) 108  
 86  
 —  
 87 ) 125  
 12  
 —  
 12 ) 146  
 58

hätär ↙  
 56 ) 146  
 10  
 —  
 80 ) 125  
 85  
 —  
 84,5 ) 109  
 75,5

MAGYAR  
 TUDOMÁNYOS AKADÉMIA  
 KÖNYVTÁRA

eläre ↘  
 78,5 ) 107,5  
 86  
 —  
 86 ) 126  
 12  
 —  
 10 ) 146  
 56

hätär ↙  
 54,5 ) 146  
 8,5  
 —  
 9 ) 124  
 85  
 —  
 86 ) 109  
 77

Arşın 2yiken neşet 11 watalere

clara

89 ) 106  
95  
 94 ) 122,5  
 16,5  


---

 17,5 ) 144  
 61,5

hata

61 ) 144  
17  
 16 ) 120  
 93  


---

 94 ) 106  
 88

clara

2

88 ) 106,5  
94,5  
 94 ) 120  
 17  


---

 17,5 ) 143,5  
 61

hata

4

61 ) 144,5  
16,5  
 15 ) 120  
 92  


---

 94 ) 107  
 87

clara

5

88 ) 107  
95  
 95 ) 120  
 18  


---

 18 ) 144  
 62

hata

6

61,5 ) 145  
16,5  
 17 ) 120,5  
93,5  


---

 95 ) 107  
 88

A régi 20 évi s. e. 11 évi

1

előre

$$\begin{array}{r}
 44,105 \\
 49 \\
 \hline
 48,122 \\
 70 \\
 \hline
 70,142 \\
 12
 \end{array}$$

hátra

2

$$\begin{array}{r}
 11,141 \\
 70 \\
 \hline
 69,122 \\
 47 \\
 \hline
 48,105 \\
 40
 \end{array}$$

előre

3

$$\begin{array}{r}
 42,106 \\
 49 \\
 \hline
 48,5,122,5 \\
 71 \\
 \hline
 70,141,5 \\
 11,5
 \end{array}$$

hátra

4

$$\begin{array}{r}
 11,142 \\
 69 \\
 \hline
 70,122,5 \\
 47,5 \\
 \hline
 47,106 \\
 41
 \end{array}$$

MÁGYAR TUDOMÁNYOS AKADÉMIA KÖNYVTÁRA

előre

5

$$\begin{array}{r}
 44 \\
 49,5,105,5 \\
 \hline
 48,5,121,5 \\
 70 \\
 \hline
 71,141 \\
 12
 \end{array}$$

hátra

6

$$\begin{array}{r}
 11,5,141 \\
 70,5 \\
 \hline
 70,122 \\
 48 \\
 \hline
 51,106 \\
 45
 \end{array}$$

Tilberikén higanygyogo.  
Az elöbbsi Aug. 21 delutan 6óra

előre

65 | 105

70

69 | 122

91

91 | 142

33

hátra

32 | 141

91

90 | 122,5

67,5

69 | 105

64

előre

64,5 | 105,5

70

69 | 121

90

90 | 142

32

hátra

31 | 142

89

89 | 123

66

68 | 106

62

előre

63 | 105

68

68 | 122

90

90 | 142,5

32,5

hátra

31 | 141

90

89 | 123

66

68 | 105

63



by clabli Sept. 1<sup>st</sup> J. R. 1200 20 hrs

clabli

64 | 106

70

71 | 121

93

92 | 141

00

clabli

33 | 141

92

92 | 121

71

71 | 106

65

clabli

66

71 | 105

92

71 | 121

92

91 | 140,5

31,5

clabli

92 | 142

90

90 | 122

68 | 106

68,5

68,5 | 106

MAGYAR  
TUDOMÁNYOS AKADEMIA  
KÖNYVTÁRA

clabli

63 | 105,5

68,5

69 | 121

90

90,5 | 141,5

32

clabli

31 | 141

90

89 | 122

67

71 | 106

65

September 5. in.

Elvė  
 62 | 106  
 68  
 ---  
 69 | 121,5  
 90,5  
 ---  
 89 | 140,5  
 29,5

Slėba  
 28,5 | 140,5  
 88  
 ---  
 89 | 121,5  
 67,5  
 ---  
 66 | 105  
 61

Elvė  
 62 | 106  
 68  
 ---  
 68 | 121,5  
 89,5  
 ---  
 89 | 140  
 29

Slėba  
 28 | 140  
 88  
 ---  
 89,5 | 121,5  
 68  
 ---  
 68 | 105  
 60

Elvė  
 60 | 106  
 69 | 106  
 ---  
 67 | 121  
 88  
 ---  
 87 | 140,5  
 27,5

26 | 140  
 86  
 ---  
 86,5 | 121  
 65,5  
 ---  
 69 | 106  
 60

" 227  
 227

← jeltis rėmėtos

~~60 es delė bėt kvėp~~

144,4  
 231,95

Destillatki higney Schuller w't.

etire  
 120. 5p.      5 ) 115  
 ————— 20  
 Jekunder utam armat  
 erdeku ig higney  
 moyak.      20 ) 130  
 ————— 50  
 52 ) 150  
 5

hatra  
 4,5 ) 150  
 ————— 51,5  
 31,5 ) 100  
 ————— 21  
 20 ) 116  
 4

etire  
 98 ) 115  
 ————— 12  
 16 ) 131  
 ————— 47  
 46 ) 150  
 ————— 99

hatra  
 99 ) 150  
 ————— 46  
 46 ) 101  
 ————— 15  
 16 ) 115  
 ————— 1

etire  
 2 ) 115  
 ————— 17  
 17,5 ) 100  
 ————— 50,5  
 49,5 ) 150,5  
 ————— 2

hatra  
 2 ) 154  
 ————— 84  
 48 ) 132  
 ————— 16  
 16 ) 115  
 ————— 1

120. 13p.

40' 45p.

Előre 7,5  
 18 )  
16 ) 236  
 42,5  
44 ) 147  
 91

16,5  
 26,5 ) 235,5  
24,5  
 52,0  
52,0 ) 147,5  
 99,5

14,5  
 25,0 ) 237,5  
25,0  
 52,0  
49,5 ) 147,5  
 97,0

Hátra. 91  
 44 ) 147  
44  
 16 ) 235  
19  
 9

97,0  
 49,5 ) 147,5  
49,0  
 22,0 ) 235  
24,0  
 14,0

95,0  
 48,0 ) 147  
48,0  
 22,0 ) 235  
24,0  
 13,0

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 KÖNYVTÁRA

Sept. 6. am.

W. e. 10.

Elon

<del>40</del>	<del>7</del>	<del>107</del>
<del>21,5</del>	<del>14</del>	
<del>21,5</del>	<del>11,5</del>	<del>123,5</del>
<del>74</del>	<del>25</del>	
<del>74</del>	<del>24,5</del>	<del>141,5</del>
<del>21</del>	<del>76</del>	

Alston

58	)	140
15		
<hr/>		
25		
92,5	)	122,5
<hr/>		
94	)	107
87		

Elon

88	)	107
95		
<hr/>		
94,5	)	121,5
16		
<hr/>		
16	)	143,5
59,5		

59	)	140
16		
<hr/>		
16	)	122,5
92,5		
<hr/>		
94	)	107
87		

Elon

88	)	107
95		
<hr/>		
90	)	120
16		
<hr/>		
16	)	142
58		

58	)	142
16		
<hr/>		
16	)	124
92		
<hr/>		
94	)	106,5
87,5		

Sept. 6. deu. 4 o. 15 p.

Előre.

88,0	}	228
95,0		
<hr/>		
93,0		
16,0		
<hr/>		
16,0	}	142
58,0		
<hr/>		

Hátva.

57,0	}	141,5
15,5		
<hr/>		
14,0		
91,5	}	226
94,0		
<hr/>		
88,0		
<hr/>		

89,0	}	229
95,0		
<hr/>		
94,5		
18,0		
<hr/>		
17,0	}	141
58,0		
<hr/>		

58,0	}	142
16,0		
<hr/>		
16,0		
93,0	}	228
94,0		
<hr/>		
88,0		
<hr/>		

MAGYAR  
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KÖNYVTÁRA

88,5	}	228,5
95,5		
<hr/>		
95,0		
17,0		
<hr/>		
16,0	}	142
58,0		
<hr/>		

57,0	}	141,5
15,5		
<hr/>		
15,5		
93,5	}	227,5
93,5		
<hr/>		
93,5		
88,0		
<hr/>		

Sept. 6. 40. 30p.

Likopodium behintoe

Elöre. 88,0  
93,5  
 94,0  
 16,0  
15,0  
 57,0  
          

Flóra. 56,0  
14,0  
 14,0  
 92,0  
93,0  
 88,0  
          

87,5  
 93,5  
            
 94,0  
 15,5  
            
 14,5  
 57,5  
          

56,0  
 14,0  
            
 14,0  
 91,5  
            
 93,0  
 88,0  
          

89,0  
 94,5  
            
 94,5  
 17,0  
            
 14,5  
 56,0  
          

55,0  
 13,5  
            
 14,0  
 92,0  
            
 92,0  
 87,0

Erősebben behintve.

Attra

Előre.

84,0  
89,0  

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91,0  
14,5  

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12,5  
53,0

52,0  
10,0  

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10,0  
88,5  

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91,5  
86,0.  

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MAGYAR  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA