

Ms 5099/16. Estim Grand jezreteri. Granitacio!

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172 17

Ms 5099/16

Arvicia cinerea  
Trochilus neregus kabasar

MAGYAR  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA

A rajzokhoz tartozó  
isotaktikus rétegek  
hordozói.

(Kis Akadémiai előadás)

$c_2=30$	$c_1=4$	$\sigma^2=0,2462$ max.				2foranty
	$(c_2-c_1)x$	$x^2+c_1c_2$	$\frac{(c_2-c_1)x}{x^2+c_1c_2}$	an $\ln$		
0	0	120	0	0	0	0
1	26	121	0,2149	12° 8'	0,2117	6,9
2	52	124	0,4193	22° 45'	0,3971	18,0
3	78	129	0,6046	31° 9'	0,5437	17,8
4	104	136	0,7647	37° 24'	0,6528	21,3
5	130	145	0,9286	42° 53'	0,7484	24,4
10	260	220	1,1877	49° 46'	0,8686	28,4
10,9545	284,82			49° 53'	0,8706	28,4
12	312	264	1,1818	49° 46'	0,8686	28,4
20	520	520	1,0000	45°	0,7854	25,6
30	780	1020	0,7647	37° 24'	0,6528	21,3
100	2600	10120	0,2569	14° 25'	0,2516	8,2
200	5200	40120	0,1296	7° 24'	0,1292	4,2
300	7800	90120	0,0866	4° 57'	0,0864	2,8
1000					0,0259	0,9

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	$x \frac{24}{2x^2}$	$\frac{x^2}{1-c_2}$	$1 + \frac{x^2}{c_2}$	$\ln \frac{x^2}{c_2}$	max 102,8 $c_2 \ln(1 + \frac{x^2}{c_2})$	$10^{-0}$ $c_1(1 + \frac{x^2}{c_2})$				
0	0	0	1	0	0	0	3570	67	"	
1	6,9	0,00111	1,0011	0,00048	0,5	4,0	3567	75,0	3,4	75,0
2	26,0	0,00444	1,0044	0,00191	2,1	14,6	3556	74,8	13,5	74,8
3	53,4	0,01000	1,0100	0,00432	4,9	29,1	3541	74,5	29,2	74,5
4	85,2	0,01777	1,0178	0,00766	8,6	45,3	3521	74,1	48,5	74,1
5	122,6	0,02777	1,0278	0,01191	13,4	61,5	3496	73,6	73,9	73,6
10	284,0	0,11111	1,1111	0,04575	57,2	129,3	3364	70,8	205,9	
12	340,8	0,15998	1,1600	0,06446	72,7					
20	572,0	0,44444	1,4444	0,15969	180,1					
30	639,0	1,00000	2,0000	0,30103	339,4	264,3	714,1	2856	60,1	
100	820	11,11111	12,111	1,08218	1221,3	420,5	1620,8	1949	41,0	
200	840	44,44444	45,444	1,65748	1868,9	510,9	2198,0	1372	28,9	
300	840	100,000	101,00	2,00432	2260,0	563,8	2536,2	1034	21,8	
1000	850	1111,111	1112,1	3,04614	3434,7	721,0	3563,7	6	0,2	

$C_2 = 4$      $C_1 = 0,001$      $\sigma' = 1,6$      $\max x = 0,06329$

$X$	$(C_2 - C_1) X$	$X^2 + C_1 C_2$	$\frac{(C_2 - C_1) X}{X^2 + C_1 C_2}$	arcus tangent	szög	2/szög
0						0
0,06329			3,1592	88° 11'	1,5390	326,5
0,1	0,3999	0,014	28,56	88° 0'	1,5359	325,9
1	3,999	1,004	3,983	75° 54'	1,3220	280,5
2	7,998	4,004	1,997	63° 24'	1,1065	234,9
3	11,997	9,004	1,332	53° 7'	0,9270	196,7
4	15,996	16,004	0,9998	45°	0,7854	166,5
5	19,995	25,004	0,7998	38° 39'	0,6745	143,2
10	39,990	100,00	0,3999	21° 48'	0,3805	80,8
30	119,970	900	0,1332	7° 35'	0,1324	28,0
100	399,90	10000	0,0400	2° 18'	0,0401	8,5
200	799,80	40000	0,0200	1° 9'	0,0201	4,2
300	1199,70	90000	0,0133		0,0133	2,8
400	1599,60	160000	0,0100		0,0100	2,1
1000						0,9

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$X$	$\frac{1}{2} \frac{d^2}{dx^2} \ln \frac{x^2 + C_1 C_2}{C_2}$	$\frac{1}{2} \frac{d^2}{dx^2} \ln \frac{x^2 + C_1 C_2}{C_2}$	$1 + \frac{x^2}{C_2}$	$\ln(1 + \frac{x^2}{C_2})$	$\frac{1}{C_2} \ln(1 + \frac{x^2}{C_2})$	íves hath	5550.62	"
0	0	0	1	0	0	0	5550	116,8
0,06	20,66	0,00	1	0		20,7	5529	116,0
0,1	32,59	0,00	1	0		32,6	5517	116,1
1	280,5	0,0625	1,0625	0,02633	25,7	306,2	5244	110,2
2	169,8	0,2500	1,25	0,09691	94,7	564,5	4985	105,0
3	590,1	0,5625	1,5625	0,19382	189,4	779,5	4770	100,4
4	666,0	1,0000	2,0000	0,30103	294,0	960,1	4590	96,6
5	716,0	1,5625	2,5625	0,40875	399,4	1115,4	4435	93,4
10	808,0	6,2500	7,2500	0,86034	840,5	1648,5	3901	82,1
30	840	56,2500	57,2500	1,75776	1717,6	2557,6	2992	62,9
100	850	625,00	626	2,79657	2732,8	3582,8	1967	41,4
200	850	2500	2501	3,39811	3320,0	4170,0	1380	29,0
300	850	5625	5626	3,75020	3663,9	4513,9	1036	21,9
400	8400	10000	10001	4,0000	3908,2	4758,2	792	16,6
1000	84	62500	62501	4,79589	4685,9	5535,9	14	0,3

$x$	$x^2 + c_2^2$ $c_2 = 1,001$ $c_2 = 1,002$	$x^2 + c_1^2$ $c_1 = 0,001$			$\log \frac{x^2 + c_2^2}{x^2 + c_1^2}$
0	1,002	$10^{-6}$			13,8199
0,001	1,002	0,000002			13,1202
0,010	1,002	0,000102			9,1874
0,1	1,012	0,010002			4,5937
1	2,002	1	0,6931	0	0,6931
2	5,002	4	1,6094	1,2863	0,2231
3	10,002	9	2,2026	2,1972	0,11054
4	17,002		2,8322	2,7726	0,0606
5	26,002		3,2581	3,2189	0,0392
10	101,002		4,6151	4,6052	0,0099

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$c_2 = 2$      $c_1 = 1$

$\sigma = 1$

	$x^2 + c_2$	$x^2 + c_1$	$\ln \frac{x^2 + c_2}{x^2 + c_1}$	$10^{\frac{\sigma y}{\sigma x}}$
0			1,3863	91,9
0,1	4,01	1,01	-0,5988	91,4
0,2	4,04	1,04	-0,5892	89,9
0,5	4,25	1,25	-0,5714	87,1
1	5	2	0,9163	60,8
2	8	5	0,4700	31,2
3	13	10	0,2623	17,4
4	20	17	0,1625	10,8
10	104	101	-0,0127	1,9
50	2504	2501	-0,0005	0,1

	$\frac{c_2 - c_1 x}{x}$	$x^2 + c_2$	$\frac{c_2 y}{x^2 + c_2}$	$\frac{10^{\frac{\sigma y}{\sigma x}}}{\sigma x}$		
0		2	0	0	0	0
0,2		2,04	0,0980	5° 26'	0,0978	13,0
0,5		2,25	0,2222	12° 32'	0,2187	29,0
1		3,0	0,3333	18° 26'	0,3218	42,7
1,4142		4	0,3535	19° 28'	0,3297	45,0
2		6	0,3333	<del>18° 26'</del>	0,3218	42,7
3		11	0,2727	15° 15'	0,2662	35,3
4		18	0,2222		0,2187	29,0
10		102	0,0980		0,0978	13,0
50		2502	0,0200	1° 9'	0,0201	2,7
100		10002	0,0100	35'	0,0102	1,4

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HIGOMÁ-ÉS AKADÉMIA  
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$c_2 = 30$   
 $c_1 = 4$

$x$	$x^2 + c_2^2$	$x^2 + c_1^2$			$\log \frac{x^2 + c_2^2}{x^2 + c_1^2}$	$\log \text{anti}$		
0	900	16	2,954243	1,204120	1,750123	4,0298	65,8	
0,001	900	16	2,954243	1,204120	1,750123	4,0298	65,8	
0,01	900	16	2,954243	1,204120	1,750123	4,0298	65,8	
0,1	900,01	16,01	2,954247	1,204127	1,750120	4,0298	65,8	
1	901	17	2,954725	1,230449	1,724276	3,9704	64,8	
2	904	20	2,956162	1,301030	1,655138	3,8710	62,2	
3	909	25	2,958564	1,397940	1,560624	3,5934	58,6	
4	916	32	2,961895	1,505750	1,456745	3,3542	54,7	
5	925	41	2,966142	1,612784	1,353358	3,1161	50,9	
10	1000	116	3,000000	2,064458	0,935542	2,1541	35,1	
100	10900	10066	4,037426	4,000694	0,036732	0,0845	1,3	
50	3400	2516	3,531479	3,400711	0,130768	0,3012	5,9	
20	1800	916	3,255273	2,961895	0,293378	0,6756	11,1	

$x$	$\frac{x^2 + c_2^2}{x^2 + c_1^2}$	$\frac{c_2}{x}$	$\frac{c_1}{x}$	$\arctg \frac{c_2}{x}$	$\arctg \frac{c_1}{x}$	$2c_2 \arctg \frac{c_1}{x}$						
0	$\frac{x^2 + c_2^2}{x^2 + c_1^2}$	$\frac{c_2}{x}$	$\frac{c_1}{x}$	$\arctg \frac{c_2}{x}$	$\arctg \frac{c_1}{x}$	$2c_2 \arctg \frac{c_1}{x}$			133,3			
0,001	0,0040			$\pi$					133,3			
0,01	0,0403	3000	400	89°59'	89°51'	1,5711	94,2660	1,5681	12,5448	81,7212	12,5880	133,4
0,1	0,4030	300	40	89°49'	88°34'	1,5740	94,4400	1,5458	12,3668	82,0732	12,7660	134,0
1	3,9704	30	4	88°5'	75°58'	1,6042	96,2520	1,3259	10,6072	85,6448	14,5256	139,9
2	7,6220	15	2	86°11'	63°26'	1,6375	98,2500	1,1072	8,8576	89,3924	16,2552	146,3
3	10,7802	10	1,333	84°17'	55°8'	1,6706	100,2360	0,9273	7,4184	92,8776	17,7144	152,3
4	13,4168	7,5	1	82°24'	45°0'	1,7035	102,2100	0,7854	6,2832	95,9268	18,8496	158,0
5	15,5805	6	0,8	80°32'	38°40'	1,7360	104,1600	0,6748	5,3984	98,7616	19,7344	163,2
10	21,5410	3	0,4	71°2'	21°48'	1,9019	114,1140	0,3805	3,0440	111,0700	22,0888	185,4
100	8,4500	0,3	0,04	16°42'	2°17'	2,2501	171,0060	0,0398	0,3184	170,6876	24,8744	252,4
50	15,6000	0,6	0,08	30°58'	4°34'	2,6016	156,0960	0,0797	0,6376		24,4952	240,3
30	20,2680	1	0,1333	45°0'	7°36'	2,3562	141,0720	0,1327	1,0616		24,0712	224,6



$C_1 = 0,001$   $C_2 = 4$

$x$	$x^2 + C_2$	$x^2 + C_1$			$\log \frac{x^2 + C_2}{x^2 + C_1}$		
0	16	0,000001			16,5879	1759,97	
0,001	16	0,000002			15,8948	1685,6	
0,01	16,0001	0,000101			11,9735	1269,8	
0,1	16,01	0,010001			7,2775	781,8	
1	17	1	2,8332	0	2,8332	300,2	
2	20	4	2,9957	1,2863	1,6094	170,8	
3	25	9	3,2189	2,1972	1,0217	108,2	
4	32	16	3,4657	2,7726	0,6931	73,2	
5	41	25	3,7126	3,2189	0,4947	52,0	
10	116	100	4,7526	4,6052	0,1484	15,9	
100	10016	10000			0,0016	0,2	
50	2516	2500			0,0042	0,5	
30	916	900			0,01761	1,9	

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	$\frac{C_2}{x^2}$	$\frac{C_1}{x}$	ARC.					
0			90°	1,5708	1,5708	12,5664	12,5664	133,3
0,1	0,7378	40	88° 34'	1,5558	1,6058	12,8464	13,5842	144,1
1	2,8332	4	75° 58'	1,2259	1,8157	14,5256	17,3588	184,2
2	3,2188	2	63° 26'	1,1072	2,0244	16,1952	19,4140	205,9
3	3,0651	1,333	53° 8'	0,9273	2,2143	17,7144	20,7795	220,4
4	2,7724	1	45°	0,7854	2,3562	18,8496	21,6220	229,3
5	2,4735	0,8	38° 40'	0,6748	2,4668	19,7344	22,2079	235,6
10	1,4840	0,4	21° 48'	0,3805	2,7611	22,0888	23,5728	250,0
∞						25,1328	25,1328	266,6
100	0,1600	0,0400	$\pi - 2° 17'$		3,1078	24,8744	24,8744	263,8
50	0,2100	0,0800	$\pi - 4° 24'$		3,0619	24,4952	24,7052	262,1
30	0,5283	0,1333	$\pi - 7° 36'$		3,0089	24,0712	24,5995	261,0

$x$	$c^2 + x^2$	$(c+x)^2$ $\frac{c}{x}$ $(2,25+x^2)^2$	$\frac{x}{(2,25+x^2)}$	$\frac{\partial^2 u}{\partial x^2}$ $6f(x)$	$\frac{\partial u}{\partial x}$ Jelölés, utalás
0	2,25	5,063	0	0	0
0,1	2,26	5,007	0,0196	7,8	15,6
0,5	2,50	6,250	0,0800	31,8	63,6
1	3,25	10,56	0,0947	37,7	75,4
1,7221	5,25	27,56	0,0628	28,0	50,0
2	6,25	39,06	0,0512	20,4	40,8
3	11,25	127,7	0,0255	9,3	18,6
4	18,25	334,9	0,0119	4,8	9,6
5	27,25	745,3	0,0067	2,8	5,6
<del>6</del>	<del>28,25</del>				
10	102,25	10400	0,0001	0	0
0,8661	3,00	9,000	0,0962	38,3	76,6

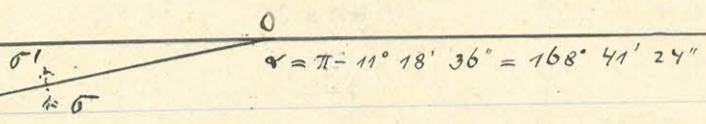
$x$	$(c-x^2)$	$(c^2+x^2)^2$	$\frac{c-x}{c^2+x^2}$	$\frac{\partial^2 u}{\partial x^2}$	
0	-2,25		-0,445	-39,0	-118
0,1	-2,24		-0,439	-58,2	-116,4
1	-1,25		-0,118	-15,6	-21,2
2	+1,75		+0,0448	+6,0	+12,0
3	+6,75		+0,0528	+7,0	+14,0
4	+13,75		+0,0411	+5,4	+10,8
5	22,75		+0,0305	+4,1	+8,2
10	97,75		+0,0094	+1,2	+2,4
100	9997,75		+0,0001	0	0

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$x$	$\frac{10^7}{0.25} \frac{2^4}{2x^2}$	$\frac{10^7}{0.25} x \frac{2^4}{2x^2}$	$\frac{10^7}{0.25} 30,522 x \ln \frac{1}{10} \left( (1+x)^2 + (1-x)^2 \right)$	$-0.25 x \frac{10^7}{0.25} \ln \left( 1 + \frac{1}{5x^2} \right)$	$\frac{10^7}{0.25} \int_0^x \frac{2^4}{2x^2} dx$	
-14	-1.97	+27.580	+68.025	-0.520	+95.085	+0
-13	-2.12	+27.560	+65.903		+92.943	+0
-12	-2.31	+27.720	+63.595		+90.795	+0
-11	-2.53	+27.830	+61.070		+88.380	+0
-10	-2.79	+27.900	+58.276		+85.656	+0
-9	-3.12	+28.080	+55.156		+82.716	+0
-8	-3.54	+28.320	+51.617		+79.417	+0
-7	-4.09	+28.630	+47.532		+75.642	+0
-6	-4.83	+28.980	+42.702		+71.162	+0
-5	-5.91	+29.550	+36.797		+65.827	+0
-4	-7.62	+30.480	+29.195		+59.155	+0
-3	-10.72	+32.160	+18.515		+50.155	+0
-2	-18.19	+36.380	+0.519		+36.379	+0
-1	-49.05	+49.050	-42.681		+5.849	+0
-0.9	-45.89	+41.301	-39.722		+1.059	+0
-0.8	-38.53	+30.824	-33.491		-3.187	+0
-0.7	-29.94	+20.958	-27.054		-6.616	+0
-0.6	-21.15	+12.900	-21.342		-8.962	+0
-0.5	-12.19	+6.095	-16.414		-10.839	+1
-0.4	-2.70	+1.080	-12.149		-11.589	+2
-0.3	+8.01	-2.403	-8.418		-11.341	+3
-0.2	+21.35	-4.270	-5.114		-9.904	+4
-0.1	+41.74	-4.774	-2.156		-6.850	+5
-0.09	+44.69	-4.022	-1.875		-6.417	+6
-0.08	+47.94	-3.835	-1.600		-5.955	+7
-0.07	+51.60	-3.612	-1.325		-5.457	+8
-0.06	+55.78	-3.347	-1.053		-4.920	+9
-0.05	+60.68	-3.034	-0.785		-4.339	+1
-0.04	+66.61	-2.664	-0.519		-3.703	+11
-0.03	+74.19	-2.226	-0.256		-3.002	+12
-0.02	+84.74	-1.695	+0.006		-2.209	+13
-0.01	+102.69	-1.027	+0.263		-1.284	+14

$x$	$\frac{10^x}{5^{2x}} \times \frac{2^x}{2x^2}$	$\frac{10^x}{5^{2x}} \times \frac{2^x}{2x^2}$	$\frac{10^x}{5^{2x}} \times \frac{2^x}{2x^2} \times \log_{10} \left( (1+x)^2 + \frac{1}{x} \right)$	$\frac{10^x}{5^{2x}} \times \log_{10} \left( (1+x)^2 \right)$	$\frac{10^x}{5^{2x}} \int_0^x \frac{2^x}{2x^2} dx$
+0,01	+119.18	+1.192	+0.772	-0,520	+1.440
+0,02	+101.74	+2.035	+1.026		+2.541
+0,03	+91.63	+2.749	+1.273		+3.502
+0,04	+84.52	+3.381	+1.520		+4.381
+0,05	+79.96	+3.998	+1.768		+5.246
+0,06	+74.63	+4.478	+2.009		+5.967
+0,07	+70.92	+4.964	+2.250		+6.694
+0,08	+67.74	+5.419	+2.488		+7.387
+0,09	+64.91	+5.842	+2.723		+8.045
+0,1	+62.48	+6.248	+2.959		+8.687
+0,2	+46.85	+9.370	+5.200		+14.050
+0,3	+38.47	+11.541	+7.267		+18.288
+0,4	+32.93	+13.172	+9.190		+21.842
+0,5	+28.92	+14.460	+10.985		+24.925
+0,6	+25.85	+15.510	+12.671		+27.661
+0,7	+23.40	+16.380	+14.255		+30.115
+0,8	+21.40	+17.120	+15.751		+32.351
+0,9	+19.73	+17.757	+17.168		+34.405
+1	+18.31	+18.310	+18.515		+36.305
+2	+10.73	+21.460	+29.195		+50.135
+3	+7.62	+22.860	+36.797		+59.137
+4	+5.91	+23.640	+42.702		+65.822
+5	+4.83	+24.150	+47.532		+71.162
+6	+4.09	+24.540	+51.617		+75.637
+7	+3.63	+25.410	+55.156		+80.046
+8	+3.12	+24.960	+58.276		+82.716
+9	+2.80	+25.200	+61.070		+85.750
+10	+2.53	+25.300	+63.595		+88.375
+11	+2.31	+25.400	+65.903		+90.793
+12	+2.12	+25.440	+68.025		+92.945
+13	+1.96	+25.480	+69.989		+94.949
+14	+1.83	+25.620	+71.820		+96.920

MAGYAR  
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$$\arctg 0.2 = 11^\circ 18' 36'' ; c_1 = 0 ; c_2 = \frac{1}{5}$$

$$\frac{\partial^2 u}{\partial x \partial z} = -(6'-6) 5.872 \log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2} + (6'-6) 25.500 \arctg \frac{1}{-5-5x}$$

$$\frac{\partial^2 u}{\partial x^2} = -(6'-6) 29.360 \log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2} - (6'-6) 5.100 \arctg \frac{1}{-5-5x}$$

$x$	$\frac{1}{6'-6} 10^9 \frac{\partial^2 u}{\partial x \partial z}$	$\frac{1}{6'-6} 10^9 \frac{\partial^2 u}{\partial x^2}$	hibas
-1.0833	+38.202	+35.056	Maximum
-0.52	+70.046	-14.009	Maximum

MAGYAR  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA

A) tábla

$$x = -1461 - 0.01ig.$$

$x$	$(x+1)^2 + (\frac{1}{5})^2$	$x^2$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2}$	$\log_{10} x^2$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2}$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2}$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2}$	$-5-5x$
			$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2}$	$\log_{10} x^2$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2}$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2}$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2}$	
-14	169.04	196	2.2280	2.2923	-0.0643	+0.377	+1.888	+65
-13	144.04	169	2.1585	2.2279	-0.0694	+0.407	+2.038	+60
-12	121.04	144	2.0829	2.1584	-0.0755	+0.443	+2.217	+55
-11	100.04	121	2.0002	2.0828	-0.0826	+0.485	+2.425	+50
-10	81.04	100	1.9087	2.0000	-0.0913	+0.536	+2.681	+45
-9	64.04	81	1.8065	1.9085	-0.1020	+0.599	+2.995	+40
-8	49.04	64	1.6906	1.8062	-0.1156	+0.678	+3.394	+35
-7	36.04	49	1.5568	1.6902	-0.1334	+0.783	+3.917	+30
-6	25.04	36	1.3986	1.5563	-0.1577	+0.926	+4.630	+25
-5	16.04	25	1.2052	1.3979	-0.1927	+1.131	+5.658	+20
-4	9.04	16	0.9562	1.2041	-0.2479	+1.455	+7.278	+15
-3	4.04	9	0.6064	0.9542	-0.3478	+2.042	+10.211	+10
-2	1.04	4	0.0170	0.6021	-0.5851	+3.436	+17.779	+5
-1	0.04	1	0.6021-2	0	-1.3979	+8.208	+41.042	0
-0.9	0.05	0.81	0.6990-2	0.9085-1	-1.2095	+7.102	+35.511	-0.5
-0.8	0.08	0.64	0.9031-2	0.8062-1	-0.9031	+5.303	+26.515	-1.0
-0.7	0.13	0.49	0.1139-1	0.6902-1	-0.5763	+3.384	+16.920	-1.5
-0.6	0.20	0.36	0.3010-1	0.5563-1	-0.2553	+1.499	+7.496	-2.0
-0.5	0.29	0.25	0.4624-1	0.3979-1	+0.0645	-0.379	-1.894	-2.5
-0.4	0.40	0.16	0.6021-1	0.2041-1	+0.3980	-2.337	-11.685	-3.0
-0.3	0.53	0.09	0.7243-1	0.9542-2	+0.7701	-4.522	-22.610	-3.5
-0.2	0.68	0.04	0.8325-1	0.6021-2	+1.2304	-7.225	-36.125	-4.0
-0.1	0.85	0.01	0.9294-1	0.0000-2	+1.9294	-11.329	-56.647	-4.5
-0.09	0.8681	0.0081	0.9386-1	0.9085-3	+2.0301	-11.921	-59.604	-4.55
-0.08	0.8864	0.0064	0.9476-1	0.8062-3	+2.1414	-12.574	-62.872	-4.60
-0.07	0.9049	0.0049	0.9566-1	0.6902-3	+2.2664	-13.308	-66.542	-4.65
-0.06	0.9236	0.0036	0.9655-1	0.5563-3	+2.4092	-14.147	-70.734	-4.70
-0.05	0.9425	0.0025	0.9743-1	0.3979-3	+2.5764	-15.129	-75.643	-4.75
-0.04	0.9616	0.0016	0.9830-1	0.2041-3	+2.7789	-16.318	-81.589	-4.80
-0.03	0.9809	0.0009	0.9916-1	0.9542-4	+3.0374	-17.835	-89.178	-4.85
-0.02	1.0004	0.0004	0.0002	0.6021-4	+3.3981	-19.954	-99.768	-4.90
-0.01	1.0201	0.0001	0.0086	0.0000-4	+4.0086	-23.538	-117.692	-4.95

$\frac{1}{-5-5x}$	$\text{arctg } \frac{1}{-5-5x}$	$\text{arctg } \frac{1}{-5-5x}$	$\frac{1}{-5-5x}$	$\frac{1}{-5-5x}$	$\frac{1}{-5-5x}$	$\frac{1}{-5-5x}$	$\frac{1}{-5-5x}$
			$\frac{1}{-5-5x}$	$\frac{1}{-5-5x}$	$\frac{1}{-5-5x}$	$\frac{1}{-5-5x}$	$\frac{1}{-5-5x}$
+0.0154	+0° 53'	154	+0.0154	+0.393	-0.079	+0.770	+1.809
+0.0167	+0° 58'	169	+0.0169	+0.431	-0.086	+0.838	+1.952
+0.0182	+1° 3'	0.0175 9	+0.0184	+0.469	-0.094	+0.912	+2.123
+0.0200	+1° 9'	0.0175 26	+0.0201	+0.513	-0.103	+0.998	+2.322
+0.0222	+1° 16'	0.0175 47	+0.0222	+0.566	-0.113	+1.102	+2.568
+0.0250	+1° 26'	0.0175 76	+0.0251	+0.640	-0.128	+1.239	+2.867
+0.0286	+1° 38'	0.0175 111	+0.0286	+0.729	-0.146	+1.407	+3.248
+0.0333	+1° 55'	0.0175 160	+0.0335	+0.854	-0.171	+1.637	+3.746
+0.0400	+2° 17'	0.0349 49	+0.0398	+1.015	-0.203	+1.941	+4.427
+0.0500	+2° 52'	0.0349 151	+0.0500	+1.275	-0.255	+2.406	+5.403
+0.0667	+3° 49'	0.0524 142	+0.0666	+1.698	-0.340	+3.153	+6.938
0.1000	+5° 43'	0.0873 125	+0.0998	+2.545	-0.509	+4.587	+9.702
0.2000	+11° 19'	0.1920 55	+0.1975	+5.036	-1.007	+8.472	+16.172
∞	+90° 0'	1.5708 0	+1.5708	+40.055	-8.011	+48.263	+33.031
-2.0000	+176° 34'	2.0246 99	+2.0345	+51.880	-10.376	+58.982	+25.135
-1.0000	+135° 0'	2.3562 0	+2.3562	+60.083	-12.017	+65.386	+14.498
-0.6667	+146° 18'	2.5482 52	+2.5534	+65.112	-13.022	+68.496	+3.898
-0.5000	+153° 26'	2.6704 76	+2.6780	+68.289	-13.658	+69.788	-6.162
-0.4000	+158° 12'	2.7576 35	+2.7611	+70.408	-14.082	+70.029	-15.976
-0.3333	+161° 34'	2.8100 99	+2.8199	+71.907	-14.381	+69.570	-26.066
-0.2857	+164° 3'	2.8623 9	+2.8632	+73.012	-14.602	+68.490	-37.212
-0.2500	+165° 58'	2.8798 169	+2.8967	+73.866	-14.773	+66.641	-50.898
-0.2222	+167° 28'	2.9147 81	+2.9228	+74.531	-14.906	+63.202	-71.553
-0.2198	+167° 36'	2.9147 105	+2.9252	+74.593	-14.919	+62.672	-74.523
-0.2174	+167° 44'	2.9147 128	+2.9275	+74.651	-14.930	+62.077	-77.802
-0.2151	+167° 52'	2.9147 151	+2.9298	+74.710	-14.942	+61.402	-81.484
-0.2128	+167° 59'	2.9147 172	+2.9319	+74.763	-14.953	+60.616	-85.687
-0.2105	+168° 7'	2.9322 20	+2.9342	+74.822	-14.964	+59.693	-90.607
-0.2083	+168° 14'	2.9322 41	+2.9363	+74.876	-14.975	+58.558	-96.564
-0.2062	+168° 21'	2.9322 61	+2.9383	+74.927	-14.985	+57.092	-104.163
-0.2041	+168° 28'	2.9322 81	+2.9403	+74.978	-14.996	+55.024	-114.764
-0.2020	+168° 35'	2.9322 102	+2.9424	+75.031	-15.006	+51.493	-132.698

$x$	$(x+1)^2 + (\frac{1}{5})^2$	$x^2$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2}$	$\log_{10} x^2$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2} - 5.872$	$\log_{10} \frac{(x+1)^2 + (\frac{1}{5})^2}{x^2} - 29.360$	$-5-5x$
+0.01	1.0601	0.0001	0.0253	0.0000-4	+4.0253	-23.637	-5.05
+0.02	1.0804	0.0004	0.0336	0.6021-4	+3.4315	-20.150	-5.10
+0.03	1.1009	0.0009	0.0417	0.9542-4	+3.0875	-18.130	-5.15
+0.04	1.1216	0.0016	0.0498	0.2041-3	+2.8457	-16.710	-5.20
+0.05	1.1425	0.0025	0.0579	0.3979-3	+2.6600	-15.620	-5.25
+0.06	1.1636	0.0036	0.0658	0.5563-3	+2.5095	-14.736	-5.30
+0.07	1.1849	0.0049	0.0737	0.6902-3	+2.3835	-13.996	-5.35
+0.08	1.2064	0.0064	0.0815	0.8062-3	+2.2753	-13.361	-5.40
+0.09	1.2281	0.0081	0.0892	0.9085-3	+2.1793	-12.797	-5.45
+0.1	1.25	0.01	0.0969	0.0000-2	+2.0969	-12.313	-5.5
+0.2	1.48	0.04	0.1703	0.6021-2	+1.5682	-9.208	-6.0
+0.3	1.73	0.09	0.2380	0.9542-2	+1.2838	-7.538	-6.5
+0.4	2.00	0.16	0.3010	0.2041-1	+1.0969	-6.441	-7.0
+0.5	2.29	0.25	0.3598	0.3979-1	+0.9619	-5.648	-7.5
+0.6	2.60	0.36	0.4150	0.5563-1	+0.8587	-5.042	-8.0
+0.7	2.93	0.49	0.4669	0.6902-1	+0.7767	-4.561	-8.5
+0.8	3.28	0.64	0.5159	0.8062-1	+0.7097	-4.167	-9.0
+0.9	3.65	0.81	0.5623	0.9085-1	+0.6538	-3.839	-9.5
+1	4.04	1	0.6064	0	+0.6064	-3.561	-10
+2	9.04	4	0.9562	0.6021	+0.3541	-2.079	-15
+3	16.04	8	1.2052	0.9542	+0.2510	-1.473	-20
+4	25.04	16	1.3986	0.2041	+0.1945	-1.142	-25
+5	36.04	25	1.5568	1.3979	+0.1589	-0.933	-30
+6	49.04	36	1.6906	1.5563	+0.1343	-0.789	-35
+7	64.04	49	1.8065	1.6902	+0.1163	-0.683	-40
+8	81.04	64	1.9087	1.8062	+0.1025	-0.602	-45
+9	100.04	81	2.0002	1.9085	+0.0917	-0.538	-50
+10	121.04	100	2.0829	2.0000	+0.0829	-0.487	-55
+11	144.04	121	2.1585	2.0828	+0.0757	-0.447	-60
+12	169.04	144	2.2280	2.1584	+0.0696	-0.409	-65
+13	196.04	169	2.2923	2.2279	+0.0644	-0.378	-70
+14	225.04	196	2.3523	2.2923	+0.0600	-0.352	-75



$\frac{1}{-5-5x}$	$\text{arc} \log \frac{1}{-5-5x}$		$B$ $+25.500$ $\text{arc} \log \frac{1}{-5-5x}$	$B'$ $-5.100$ $\text{arc} \log \frac{1}{-5-5x}$	$A+B$ $\frac{1}{0.6} 10^9 \frac{\partial u}{\partial x^2}$ $A-B$	$A+B'$ $\frac{1}{0.6} 10^9 \frac{\partial u}{\partial x^2}$ $-A'+B$	
-0.1980	-11° 12'	-0.1920 35	-0.1955	-4.985	+0.997	-28.622	-117.186
-0.1961	-11° 6'	-0.1920 17	-0.1937	-4.939	+0.988	-25.089	-99.751
-0.1942	-10° 59'	-0.1745 172	-0.1917	-4.888	+0.978	-23.018	-89.671
-0.1923	-10° 53'	-0.1745 154	-0.1899	-4.842	+0.968	-21.552	-82.582
-0.1905	-10° 47'	-0.1745 137	-0.1882	-4.799	+0.960	-20.419	-77.138
-0.1887	-10° 41'	-0.1745 119	-0.1864	-4.753	+0.951	-19.489	-72.728
-0.1869	-10° 35'	-0.1745 102	-0.1847	-4.710	+0.942	-18.706	-69.038
-0.1852	-10° 30'	-0.1745 87	-0.1832	-4.672	+0.934	-18.033	-65.869
-0.1835	-10° 24'	-0.1745 70	-0.1815	-4.628	+0.926	-17.425	-63.058
-0.1818	-10° 18'	-0.1745 52	-0.1797	-4.582	+0.916	-16.895	-60.649
-0.1667	-9° 28'	-0.1571 81	-0.1652	-4.213	+0.843	-13.421	-45.199
-0.1538	-8° 45'	-0.1396 131	-0.1527	-3.894	+0.779	-11.432	-36.913
-0.1429	-8° 8'	-0.1356 23	-0.1419	-3.618	+0.724	-10.059	-31.481
-0.1333	-7° 36'	-0.1222 105	-0.1327	-3.384	+0.677	-9.032	-27.564
-0.1250	-7° 8'	-0.1222 23	-0.1245	-3.175	+0.635	-8.217	-24.576
-0.1176	-6° 42'	-0.1047 122	-0.1169	-2.981	+0.596	-7.542	-22.202
-0.1111	-6° 20'	-0.1047 58	-0.1105	-2.818	+0.564	-6.985	-20.273
-0.1053	-6° 1'	-0.1047 3	-0.1050	-2.678	+0.536	-6.517	-18.660
-0.1000	-5° 43'	-0.0873 125	-0.0998	-2.545	+0.509	-6.106	-17.295
-0.0667	-3° 49'	-0.0524 143	-0.0667	-1.700	+0.340	-3.779	-10.056
-0.0500	-2° 52'	-0.0349 151	-0.0500	-1.275	+0.255	-2.748	-7.114
-0.0400	-2° 17'	-0.0349 49	-0.0398	-1.015	+0.203	-2.157	-5.508
-0.0333	-1° 54'	-0.0175 157	-0.0332	-0.847	+0.169	-1.780	-4.496
-0.0286	-1° 38'	-0.0175 111	-0.0286	-0.729	+0.147	-1.518	-3.796
-0.0250	-1° 26'	-0.0175 76	-0.0251	-0.640	+0.128	-1.323	-3.287
-0.0222	-1° 16'	-0.0175 47	-0.0222	-0.566	+0.113	-1.168	-2.996
-0.0200	-1° 9'	-0.0175 26	-0.0201	-0.513	+0.103	-1.051	-2.589
-0.0182	-1° 3'	-0.0175 9	-0.0184	-0.469	+0.094	-0.956	-2.340
-0.0167	-0° 57'	-0.0166	-0.0166	-0.423	+0.085	-0.870	-2.138
-0.0154	-0° 53'	-0.0154	-0.0154	-0.393	+0.079	-0.802	-1.964
-0.0143	-0° 49'	-0.0143	-0.0143	-0.365	+0.073	-0.743	-1.818
-0.0133	-0° 46'	-0.0134	-0.0134	-0.342	+0.068	-0.694	-1.694

$x$	$\frac{1}{6.6} 10^9 x \frac{\partial \mu}{\partial x^2}$	$+26,52$ $\arctg \frac{c_2}{a_2-x}$	$\frac{10^9}{515} \int_{-\infty}^x \frac{2.41 dx}{2x^2}$
-14	+0.140	-0.355	-0.215
-13	+0.160	-0.379	-0.219
-12	+0.190	-0.408	-0.218
-11	+0.210	-0.440	-0.230
-10	+0.240	-0.488	-0.248
-9	+0.270	-0.533	-0.263
-8	+0.300	-0.589	-0.289
-7	+0.330	-0.665	-0.335
-6	+0.360	-0.758	-0.398
-5	+0.450	-0.880	-0.430
-4	+0.520	-1.055	-0.535
-3	+0.600	-1.326	-0.726
-2	+0.760	-1.769	-1.009
-1	+1.010	-2.646	-1.636
-0.9	+1.044	-2.784	-1.740
-0.8	+1.080	-2.930	-1.850
-0.7	+1.106	-3.100	-1.994
-0.6	+1.122	-3.302	-2.180
-0.5	+1.130	-3.519	-2.389
-0.4	+1.128	-3.763	-2.635
-0.3	+1.092	-4.049	-2.957
-0.2	+1.000	-4.381	-3.381
-0.1	+0.773	-4.765	-3.992
-0.09	+0.735	-4.813	-4.078
-0.08	+0.695	-4.858	-4.163
-0.07	+0.650	-4.898	-4.248
-0.06	+0.599	-4.943	-4.344
-0.05	+0.546	-4.991	-4.445
-0.04	+0.475	-5.036	-4.561
-0.03	+0.397	-5.084	-4.687
-0.02	+0.304	-5.137	-4.833
-0.01	+0.187	-5.184	-4.997
0	0	-5.235	-5.235

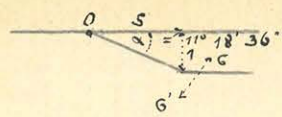
$x$	$\frac{1}{6.5} 10^9 x \frac{2u}{2x02}$	$+26,52$ $\arctg \frac{c_2}{a_2-x}$	$\frac{10^7}{r^2} \left( \frac{\partial u}{\partial x} \right) dx$
+0.01	-0.986	-5.283	-6.269
+0.02	-1.900	-5.338	-7.238
+0.03	-2.783	-5.391	-8.174
+0.04	-3.648	-5.454	-9.102
+0.05	-4.498	-5.500	-9.998
+0.06	-5.335	-5.561	-10.896
+0.07	-6.161	-5.617	-11.778
+0.08	-6.978	-5.678	-12.656
+0.09	-7.786	-5.739	-13.525
+0.1	-8.586	-5.802	-14.388
+0.2	-16.218	-6.495	-22.713
+0.3	-23.259	-7.383	-30.642
+0.4	-29.696	-8.531	-38.227
+0.5	-35.395	-10.091	-45.486
+0.6	-40.074	-12.294	-52.368
+0.7	-43.211	-15.599	-58.810
+0.8	-43.824	-20.829	-64.653
+0.9	-40.302	-29.360	-69.662
+1	-31.840	-41.657	-73.497
+2	-3.200	-78.077	-81.277
+3	-1.500	-80.668	-82.168
+4	-0.960	-81.549	-82.509
+5	-0.700	-81.989	-82.689
+6	-0.540	-82.260	-82.800
+7	-0.450	-82.427	-82.877
+8	-0.400	-82.557	-82.957
+9	-0.360	-82.649	-83.009
+10	-0.320	-82.726	-83.046
+11	-0.290	-82.782	-83.072
+12	-0.260	-82.827	-83.087
+13	-0.230	-82.867	-83.097
+14	-0.200	-82.907	-83.107

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$x$	$\frac{10^9}{5^2} \times \frac{2^4}{2 \times 0.2}$	$-26,52 \times$ $\frac{c_1}{a_2 - x}$	$+78,080$	$\frac{10^9}{5^2} \int_0^x \frac{2^4}{2 \times 0.2}$
-14	+0,20	-0,408		+77,872
-13	+0,23	-0,448		+77,862
-12	+0,26	-0,488		+77,852
-11	+0,29	-0,533		+77,837
-10	+0,32	-0,589		+77,811
-9	+0,36	-0,666		+77,774
-8	+0,40	-0,758		+77,722
-7	+0,45	-0,888		+77,642
-6	+0,54	-1,055		+77,565
-5	+0,70	-1,326		+77,454
-4	+0,96	-1,766		+77,274
-3	+1,50	-2,647		+76,933
-2	+3,20	-5,238		+76,042
-1	+31,84	-41,658		+68,262
-0,9	+40,302	-53,955		+64,427
-0,8	+43,824	-62,486		+59,418
-0,7	+43,211	-67,716		+53,575
-0,6	+40,074	-71,021		+47,133
-0,5	+35,395	-73,224		+40,251
-0,4	+29,696	-74,784		+32,992
-0,3	+23,259	-75,932		+25,407
-0,2	+16,218	-76,820		+17,478
-0,1	+8,586	-77,513		+9,153
-0,09	+7,786	-77,576		+8,290
-0,08	+6,978	-77,637		+7,421
-0,07	+6,161	-77,698		+6,543
-0,06	+5,335	-77,754		+5,661
-0,05	+4,498	-77,815		+4,763
-0,04	+3,648	-77,871		+3,857
-0,03	+2,783	-77,924		+2,939
-0,02	+1,900	-77,977		+2,003
-0,01	+0,986	-78,032		+1,034
0	0	-78,080		0

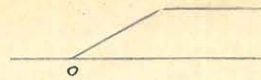
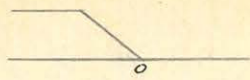
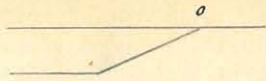
$x$	$\frac{109}{5.5} \times \frac{2^{14}}{2 \times 2^2}$	$\text{arc } \lg \frac{c_2}{a_2 - x}$	$-26,52 \times$ $\text{arc } \lg \frac{c_1}{a_2 - x}$	$+78,080$	$\frac{109}{5.5} \int_0^x \frac{2^{14}}{2 \times 2^2}$
0	0	+2,9442	-78,080	0	0
+0,01	-0,187	+2,9461	-78,131		-0,238
+0,02	-0,304	+2,9479	-78,178		-0,402
+0,03	-0,397	+2,9499	-78,231		-0,548
+0,04	-0,475	+2,9517	-78,279		-0,674
+0,05	-0,546	+2,9534	-78,324		-0,790
+0,06	-0,599	+2,9552	-78,372		-0,891
+0,07	-0,650	+2,9569	-78,417		-0,987
+0,08	-0,695	+2,9584	-78,457		-1,072
+0,09	-0,735	+2,9604	-78,502		-1,157
+0,1	-0,773	+2,9619	-78,550		-1,243
+0,2	-1,000	+2,9764	-78,934		-1,854
+0,3	-1,092	+2,9889	-79,266		-2,278
+0,4	-1,128	+2,9997	-79,552		-2,600
+0,5	-1,130	+3,0089	-79,796		-2,846
+0,6	-1,122	+3,0171	-80,013		-3,055
+0,7	-1,106	+3,0247	-80,215		-3,241
+0,8	-1,080	+3,0311	-80,385		-3,385
+0,9	-1,044	+3,0366	-80,531		-3,495
+1	-1,01	+3,0418	-80,669		-3,599
+2	-0,76	+3,0749	-81,546		-4,226
+3	-0,60	+3,0916	-81,989		-4,509
+4	-0,52	+3,1018	-82,260		-4,700
+5	-0,45	+3,1084	-82,435		-4,805
+6	-0,36	+3,1130	-82,557		-4,837
+7	-0,33	+3,1165	-82,650		-4,900
+8	-0,30	+3,1194	-82,726		-4,946
+9	-0,27	+3,1215	-82,782		-4,972
+10	-0,24	+3,1232	-82,827		-4,987
+11	-0,21	+3,1250	-82,875		-5,005
+12	-0,19	+3,1262	-82,907		-5,017
+13	-0,16	+3,1273	-82,936		-5,016
+14	-0,13	+3,1282	-82,960		-5,010

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$$\frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x \partial z} \quad \frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2} \quad \frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x \partial z} \quad \frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2} \quad \frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x \partial z} \quad \frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2} \quad \frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x \partial z} \quad \frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2}$$

-14	-0.01	-1.83	-0.01	-1.97	-0.01	+1.97	-0.01	+1.83
-13	-0.01	-1.96	-0.02	-2.12	-0.02	+2.12	-0.01	+1.96
-12	-0.02	-2.12	-0.03	-2.31	-0.03	+2.31	-0.02	+2.12
-11	-0.02	-2.31	-0.03	-2.53	-0.03	+2.53	-0.02	+2.31
-10	-0.02	-2.53	-0.03	-2.79	-0.03	+2.79	-0.02	+2.53
-9	-0.03	-2.80	-0.04	-3.12	-0.04	+3.12	-0.03	+2.80
-8	-0.04	-3.12	-0.05	-3.54	-0.05	+3.54	-0.04	+3.12
-7	-0.04	-3.63	-0.07	-4.09	-0.07	+4.09	-0.04	+3.63
-6	-0.06	-4.09	-0.09	-4.83	-0.09	+4.83	-0.06	+4.09
-5	-0.09	-4.83	-0.14	-5.91	-0.14	+5.91	-0.09	+4.83
-4	-0.13	-5.91	-0.24	-7.62	-0.24	+7.62	-0.13	+5.91
-3	-0.20	-7.62	-0.50	-10.72	-0.50	+10.72	-0.20	+7.62
-2	-0.38	-10.73	-1.60	-18.19	-1.60	+18.19	-0.38	+10.73
-1	-1.01	-18.31	-31.84	-49.05	-31.84	+49.05	-1.01	+18.31
-0.9	-1.16	-19.73	-44.78	-45.89	-44.78	+45.89	-1.16	+19.73
-0.8	-1.35	-21.40	-54.78	-38.53	-54.78	+38.53	-1.35	+21.40
-0.7	-1.58	-23.40	-61.73	-29.94	-61.73	+29.94	-1.58	+23.40
-0.6	-1.87	-25.85	-66.79	-21.15	-66.79	+21.15	-1.87	+25.85
-0.5	-2.26	-28.92	-70.79	-12.19	-70.79	+12.19	-2.26	+28.92
-0.4	-2.82	-32.93	-74.24	-2.70	-74.24	+2.70	-2.82	+32.39
-0.3	-3.64	-38.47	-77.53	+8.01	-77.53	-8.01	-3.64	+38.47
-0.2	-5.00	-46.85	-81.09	+21.35	-81.09	-21.35	-5.00	+46.85
-0.1	-7.73	-62.48	-85.86	+41.74	-85.86	-41.74	-7.73	+62.48
-0.09	-8.17	-64.91	-86.51	+44.69	-86.51	-44.69	-8.17	+64.91
-0.08	-8.69	-67.74	-87.23	+47.94	-87.23	-47.94	-8.69	+67.74
-0.07	-9.29	-70.92	-88.02	+51.60	-88.02	-51.60	-9.29	+70.92
-0.06	-9.98	-74.63	-88.91	+55.78	-88.91	-55.78	-9.98	+74.63
-0.05	-10.92	-79.96	-89.95	+60.68	-89.95	-60.68	-10.92	+79.96
-0.04	-11.87	-84.52	-91.19	+66.61	-91.19	-66.61	-11.87	+84.52
-0.03	-13.24	-91.63	-92.76	+74.19	-92.76	-74.19	-13.24	+91.63
-0.02	-15.21	-101.74	-94.93	+84.77	-94.93	-84.77	-15.21	+101.74
-0.01	-18.65	-119.18	-98.57	+102.69	-98.57	-102.69	-18.65	+119.18



$\frac{1}{6.6} 10^9 \frac{\partial u}{\partial x \partial z}$     $\frac{1}{6.6} 10^9 \frac{\partial^2 u}{\partial x^2}$     $\frac{1}{6.6} 10^9 \frac{\partial^2 u}{\partial x \partial z}$     $\frac{1}{6.6} 10^9 \frac{\partial^2 u}{\partial x^2}$     $\frac{1}{6.6} 10^9 \frac{\partial u}{\partial x \partial z}$     $\frac{1}{6.6} 10^9 \frac{\partial^2 u}{\partial x^2}$     $\frac{1}{6.6} 10^9 \frac{\partial u}{\partial x \partial z}$     $\frac{1}{6.6} 10^9 \frac{\partial^2 u}{\partial x^2}$

+0.01	-98.57	-102.69	-18.65	+119.18	-18.65	-119.18	-98.57	+102.69
+0.02	-94.93	-84.77	-15.21	+101.74	-15.21	-101.74	-94.93	+84.77
+0.03	-92.76	-74.19	-13.24	+91.63	-13.24	-91.63	-92.76	+74.19
+0.04	-91.19	-66.61	-11.87	+84.52	-11.87	-84.52	-91.19	+66.61
+0.05	-89.95	-60.68	-10.92	+79.96	-10.92	-79.96	-89.95	+60.68
+0.06	-88.91	-55.78	-9.98	+74.63	-9.98	-74.63	-88.91	+55.78
+0.07	-88.02	-51.60	-9.29	+70.92	-9.29	-70.92	-88.02	+51.60
+0.08	-87.23	-47.94	-8.69	+67.74	-8.69	-67.74	-87.23	+47.94
+0.09	-86.51	-44.69	-8.17	+64.91	-8.17	-64.91	-86.51	+44.69
+0.1	-85.86	-41.74	-7.73	+62.48	-7.73	-62.48	-85.86	+41.74
+0.2	-81.09	-21.35	-5.00	+46.85	-5.00	-46.85	-81.09	+21.35
+0.3	-77.53	-8.01	-3.64	+38.47	-3.64	-38.47	-77.53	+8.01
+0.4	-74.24	+2.70	-2.82	+32.93	-2.82	-32.93	-74.24	-2.70
+0.5	-70.79	+12.19	-2.26	+28.92	-2.26	-28.92	-70.79	-12.19
+0.6	-66.79	+21.15	-1.87	+25.85	-1.87	-25.85	-66.79	-21.15
+0.7	-61.73	+29.94	-1.58	+23.40	-1.58	-23.40	-61.73	-29.94
+0.8	-54.78	+38.53	-1.35	+21.40	-1.35	-21.40	-54.78	-38.53
+0.9	-44.78	+45.89	-1.16	+19.73	-1.16	-19.73	-44.78	-45.89
+1.	-31.84	+49.05	-1.01	+18.31	-1.01	-18.31	-31.84	-49.05
+2	-1.60	+18.19	-0.38	+10.73	-0.38	-10.73	-1.60	-18.19
+3	-0.50	+10.72	-0.20	+7.62	-0.20	-7.62	-0.50	-10.72
+4	-0.24	+7.62	-0.13	+5.91	-0.13	-5.91	-0.24	-7.62
+5	-0.14	+5.91	-0.09	+4.83	-0.09	-4.83	-0.14	-5.91
+6	-0.09	+4.83	-0.06	+4.09	-0.06	-4.09	-0.09	-4.83
+7	-0.07	+4.09	-0.04	+3.63	-0.04	-3.63	-0.07	-4.09
+8	-0.05	+3.54	-0.04	+3.12	-0.04	-3.12	-0.05	-3.54
+9	-0.04	+3.12	-0.03	+2.80	-0.03	-2.80	-0.04	-3.12
+10	-0.03	+2.79	-0.02	+2.53	-0.02	-2.53	-0.03	-2.79
+11	-0.03	+2.53	-0.02	+2.31	-0.02	-2.31	-0.03	-2.53
+12	-0.03	+2.31	-0.02	+2.12	-0.02	-2.12	-0.03	-2.31
+13	-0.02	+2.12	-0.01	+1.96	-0.01	-1.96	-0.02	-2.12
+14	-0.01	+1.97	-0.01	+1.83	-0.01	-1.83	-0.01	-1.97

$x$	$\sigma' - \sigma = +2,6$ $10^9 \int_0^x \frac{\partial u}{\partial x^2} dx$	$x$	$\sigma' - \sigma = 2,6$ $10^9 \int_0^x \frac{\partial u}{\partial x^2} dx$
-14	-251.99		
-13	-246.87		
-12	-241.66		
-11	-236.06		
-10	-229.78	-30	-303.24
-9	-221.96		
-8	-215.06	-20	-275.81
-7	-208.12		
-6	-196.66		
-5	-185.02		
-4	-171.14		
-3	-153.76		
-2	-130.35		
-1	-94.39		
-0.9	-89.45		
-0.8	-84.11		
-0.7	-78.30		
-0.6	-71.92		
-0.5	-64.81		
-0.4	-56.79		
-0.3	-47.55		
-0.2	-36.53		
-0.1	-22.59		
-0.09	-20.92		
-0.08	-19.21		
-0.07	-17.40		
-0.06	-15.51		
-0.05	-13.64		
-0.04	-11.39		
-0.03	-9.11		
-0.02	-6.61		
-0.01	-3.74		
0	0		



$$0.5 = +2.6$$

$$109 \int_0^x \frac{2.4}{2x^2}$$

$$0.5 = +2.6$$

$$109 \int_0^x \frac{2.4}{2x^2} dx$$

x	
0	0
+0.01	+3.34
+0.02	+5.74
+0.03	+7.81
+0.04	+9.63
+0.05	+11.28
+0.06	+12.79
+0.07	+14.19
+0.08	+15.48
+0.09	+16.68
+0.1	+17.81
+0.2	+25.75
+0.3	+29.49
+0.4	+30.13
+0.5	+28.18
+0.6	+23.30
+0.7	+17.20
+0.8	+8.29
+0.9	-2.75
+1	-15.21
+2	-94.59
+3	-130.40
+4	-153.80
+5	-171.15
+6	-185.02
+7	-196.67
+8	-206.48
+9	-215.06
+10	-222.71
+11	-229.79
+12	-236.07
+13	-241.65
+14	-247.22

+20	-272.35
+25	-288.11
+35	-311.74
+45	-329.32

Körös

~~$3a = 5$~~   ~~$3a = 2$~~

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$x$	$\frac{10^3}{\sigma'-\sigma} \int_{-\infty}^x \frac{e^{-t^2}}{2 \times 0.2} dt$	$\sigma'-\sigma=+0,16$ $10^3 \int_{-\infty}^x \frac{e^{-t^2}}{2 \times 0.2} dt$	$x$	$\frac{10^3}{\sigma'-\sigma} \int_{-\infty}^x \frac{e^{-t^2}}{2 \times 0.2} dt$	$\sigma'-\sigma=+0,16$ $10^3 \int_{-\infty}^x \frac{e^{-t^2}}{2 \times 0.2} dt$
			0	-293,656	-46,985
			+0,1	-320,795	-57,327
			+0,2	-350,190	-56,030
			+0,3	-379,302	-60,688
			+0,4	-406,812	-65,090
			+0,5	-432,384	-69,181
			+0,6	-456,009	-72,961
			+0,7	-477,823	-76,452
			+0,8	-497,993	-79,679
			+0,9	-516,551	-81,848
			+1	-530,968	-84,955
			+2	-663,997	-106,240
			+3	-710,192	-113,631
			+4	-742,197	-118,752
			+5	-761,553	-121,848
			+6	-774,296	-123,887
			+7	-783,247	-125,320
			+8	-789,970	-126,395
			+9	-796,246	-127,399
			+10	-799,133	-127,861
			+11	-802,358	-128,277
			+12	-805,118	-128,819
			+13	-807,479	-129,197
			+14	-809,347	-129,496
			+15	-810,958	-129,753
-13	-22,941	-3,671			
-12	-24,894	-3,983			
-11	-26,917	-4,307			
-10	-29,524	-4,724			
-9	-32,272	-5,164			
-8	-35,572	-5,692			
-7	-40,711	-6,514			
-6	-46,499	-7,440			
-5	-54,297	-8,688			
-4	-65,195	-10,431			
-3	-81,425	-13,028			
-2	-108,130	-17,301			
-1	-158,350	-25,336			
-0,9	-165,967	-26,555			
-0,8	-174,292	-27,887			
-0,7	-183,748	-29,400			
-0,6	-193,898	-31,024			
-0,5	-205,309	-32,849			
-0,4	-218,449	-34,952			
-0,3	-233,107	-37,297			
-0,2	-250,127	-40,020			
-0,1	-270,095	-43,215			
0	-293,656	-46,985			

$$\sigma' - \sigma = -1,6$$

$$\sigma' - \sigma = -1,6$$

$x$	$\frac{10^9}{0,5} \int_{-\infty}^x \frac{2^x}{2x+2}$	$10^9 \int_{-\infty}^x \frac{2^x}{2x+2}$
-14	-0,208	+0,333
-13	-0,218	+0,349
-12	-0,228	+0,365
-11	-0,243	+0,389
-10	-0,269	+0,430
-9	-0,306	+0,490
-8	-0,358	+0,573
-7	-0,438	+0,701
-6	-0,575	+0,824
-5	-0,626	+1,002
-4	-0,806	+1,290
-3	-1,147	+1,835
-2	-2,038	+3,261
-1	-9,818	+15,709
-0,9	-13,653	+21,845
-0,8	-18,662	+29,859
-0,7	-24,505	+39,208
-0,6	-30,947	+49,515
-0,5	-37,829	+60,526
-0,4	-45,088	+72,141
-0,3	-52,673	+84,274
-0,2	-60,602	+96,963
-0,1	-68,927	+110,283
-0,09	-69,790	+111,664
-0,08	-70,659	+113,054
-0,07	-71,537	+114,459
-0,06	-72,419	+115,870
-0,05	-73,317	+117,307
-0,04	-74,223	+118,757
-0,03	-75,141	+120,226
-0,02	-76,075	+121,720
-0,01	-77,043	+123,269
0	-78,080	+124,928

MADYAR  
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KONTYIARA

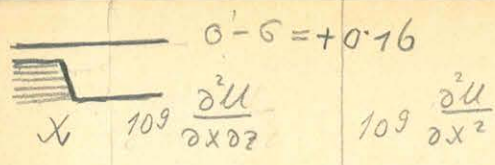
$x$	$\frac{10^9}{0,5} \int_{-\infty}^x \frac{2^x}{2x+2}$	$10^9 \int_{-\infty}^x \frac{2^x}{2x+2}$
0	-78,080	+124,928
+0,01	-78,318	+125,309
+0,02	-78,482	+125,571
+0,03	-78,628	+125,805
+0,04	-78,754	+126,006
+0,05	-78,870	+126,192
+0,06	-78,971	+126,354
+0,07	-79,067	+126,507
+0,08	-79,152	+126,643
+0,09	-79,237	+126,779
+0,1	-79,323	+126,917
+0,2	-79,934	+127,894
+0,3	-80,358	+128,573
+0,4	-80,680	+129,088
+0,5	-80,926	+129,482
+0,6	-81,135	+129,816
+0,7	-81,321	+130,114
+0,8	-81,465	+130,344
+0,9	-81,575	+130,520
+1	-81,679	+130,686
+2	-82,306	+131,690
+3	-82,589	+132,142
+4	-82,780	+132,448
+5	-82,885	+132,616
+6	-82,917	+132,667
+7	-82,980	+132,768
+8	-83,026	+132,842
+9	-83,052	+132,883
+10	-83,067	+132,907
+11	-83,085	+132,936
+12	-83,097	+132,955
+13	-83,096	+132,954
+14	-83,090	+132,944

$X$	$\frac{10^9}{\sigma - \sigma'} \int_{-\infty}^x \frac{\partial^2 u}{\partial x \partial z} dx$	$\sigma' - \sigma = -0,16$ $10^9 \int_{-\infty}^x \frac{\partial^2 u}{\partial x \partial z} dx$
-15	-22.194	+3,551
-14	-20.805	+3,809
-13	-25.573	+4,092
-12	-28.024	+4,485
-11	-30.794	+4,927
-10	-34.019	+5,443
-9	-36.906	+5,905
-8	-40.182	+6,909
-7	-49.905	+7,985
-6	-58.856	+9,417
-5	-71.599	+11,456
-4	-90.955	+14,553
-3	-122.960	+19,674
-2	-169.155	+27,067
-1	-302.184	+48,349
-0.9	-321.601	+51,456
-0.8	-335.159	+53,625
-0.7	-355.329	+56,853
-0.6	-377.142	+60,343
-0.5	-400.768	+64,123
-0.4	-426.340	+68,214
-0.3	-453.850	+72,616
-0.2	-482.962	+77,274
-0.1	-512.357	+81,977
0	-539.496	+86,319

$X$	$\frac{10^9}{\sigma - \sigma'} \int_{-\infty}^x \frac{\partial^2 u}{\partial x \partial z} dx$	
0	-539.496	+86,319
+0.1	-563.057	+90,089
+0.2	-583.025	+93,284
+0.3	-600.045	+96,007
+0.4	-614.902	+98,352
+0.5	-627.842	+100,455
+0.6	-639.254	+102,281
+0.7	-649.404	+103,905
+0.8	-658.860	+105,418
+0.9	-667.185	+106,750
+1	-674.802	+107,968
+2	-725.022	+116,004
+3	-751.727	+120,276
+4	-767.957	+122,873
+5	-778.855	+124,617
+6	-786.652	+125,864
+7	-792.441	+126,799
+8	-797.580	+127,613
+9	-800.880	+128,141
+10	-803.628	+128,580
+11	-806.235	+128,998
+12	-808.258	+129,321
+13	-810.211	+129,634

$x$	$\frac{10^9}{\sigma'-\sigma} \int_{-\infty}^x \frac{\sigma''}{\sigma'^2} dx$	$\sigma'-\sigma=+1,6$ $10^9 \int_{-\infty}^x \frac{\sigma''}{\sigma'^2} dx$	$x$	$\frac{10^9}{\sigma'-\sigma} \int_{-\infty}^x \frac{\sigma''}{\sigma'^2} dx$	$\sigma'-\sigma=1,6$ $10^9 \int_{-\infty}^x \frac{\sigma''}{\sigma'^2} dx$
-14	-0.225	-0,360	0	-5.235	-8,376
-13	-0.219	-0,350	+0.01	-6.272	-10,035
-12	-0.228	-0,265	+0.02	-7.240	-11,584
-11	-0.230	-0,368	+0.03	-8.174	-13,078
-10	-0.248	-0,397	+0.04	-9.092	-14,547
-9	-0.263	-0,421	+0.05	-9.998	-15,997
-8	-0.284	-0,462	+0.06	-10.896	-17,434
-7	-0.335	-0,536	+0.07	-11.778	-18,845
-6	-0.398	-0,637	+0.08	-12.656	-20,250
-5	-0.420	-0,688	+0.09	-13.525	-21,640
-4	-0.535	-0,856	+0.1	-14.388	-23,021
-3	-0.726	-1,162	+0.2	-22.713	-36,341
-2	-1.009	-1,614	+0.3	-30.642	-49,027
-1	-1.636	-2,618	+0.4	-39.227	-61,163
-0.9	-1.740	-2,784	+0.5	-45.486	-72,778
-0.8	-1.850	-2,960	+0.6	-52.368	-83,789
-0.7	-1.994	-3,190	+0.7	-58.810	-94,096
-0.6	-2.180	-3,488	+0.8	-64.653	-103,445
-0.5	-2.389	-3,822	+0.9	-69.662	-111,459
-0.4	-2.625	-4,216	+1	-73.496	-117,594
-0.3	-2.957	-4,731	+2	-81.277	-130,043
-0.2	-3.381	-5,410	+3	-82.168	-131,469
-0.1	-3.992	-6,387	+4	-82.509	-132,014
-0.09	-4.078	-6,525	+5	-82.689	-132,302
-0.08	-4.163	-6,661	+6	-82.800	-132,480
-0.07	-4.248	-6,797	+7	-82.877	-132,603
-0.06	-4.344	-6,950	+8	-82.957	-132,731
-0.05	-4.445	-7,112	+9	-83.009	-132,814
-0.04	-4.561	-7,298	+10	-83.046	-132,874
-0.03	-4.687	-7,499	+11	-83.072	-132,915
-0.02	-4.833	-7,733	+12	-83.087	-132,939
-0.01	-4.997	-7,995	+13	-83.097	-132,955
0	-5.225	-8,376	+14	-83.107	-132,971

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0-G = +0.16			6'-6 = +0.16		
X	$10^9 \frac{\partial^2 u}{\partial x \partial z}$	$10^9 \frac{\partial^2 u}{\partial x^2}$	X	$10^9 \frac{\partial^2 u}{\partial x \partial z}$	$10^9 \frac{\partial^2 u}{\partial x^2}$
			0	-40.699	-20.350
			+0.1	-45.914	-13.902
			+0.2	-47.349	-5.597
			+0.3	-45.496	+1.315
			+0.4	-42.469	+6.149
			+0.5	-39.304	+9.483
			+0.6	-36.312	+11.837
			+0.7	-33.560	+13.534
			+0.8	-31.043	+14.694
			+0.9	-28.747	+15.682
-13	-0.269	-3.093	+1	-26.638	+16.330
-12	-0.309	-3.333	+2	-12.285	+15.302
-11	-0.365	-3.614	+3	-6.701	+13.400
-10	-0.434	-3.950	+4	-3.880	+10.744
-9	-0.528	-4.344	+5	-2.470	+8.798
-8	-0.661	-4.816	+6	-1.690	+7.389
-7	-0.821	-5.442	+7	-1.221	+6.346
-6	-1.075	-6.214	+8	-0.925	+5.550
-5	-1.461	-7.242	+9	-0.718	+4.926
-4	-2.091	-8.650	+10	-0.579	+4.426
-3	-3.229	-10.693	+11	-0.474	+4.014
-2	-5.562	-13.864	+12	-0.395	+3.672
-1	-11.648	-19.166	+13	-0.336	+3.387
-0.9	-12.770	-19.869	+14	-0.286	+3.139
-0.8	-14.064	-20.602	+15	-0.248	+2.925
-0.7	-15.541	-21.352		<u>Maximum</u>	
-0.6	-17.357	-22.144	+0.1870	-47.400	-
-0.5	-19.498	-22.907	-0.2307	-	-24.277
-0.4	-22.051	-23.714	+1.4307	-	+17.328
-0.3	-25.339	-24.138			
-0.2	-29.430	-24.237			
-0.1	-34.600	-23.368			
0	-40.699	-20.350			

$$\delta - \delta = -1.6$$

$$\delta - \delta = -1.6$$

$x$	$10^9 \frac{\partial u}{\partial x \partial z}$	$10^9 \frac{\partial^2 u}{\partial x^2}$	$x$	$10^9 \frac{\partial u}{\partial x \partial z}$	$10^9 \frac{\partial^2 u}{\partial x^2}$
-14	+0.016	+3.152	+0.01	+29.840	-190.688
-13	+0.032	+3.392	+0.02	+24.336	-162.784
-12	+0.048	+3.696	+0.03	+21.184	-146.608
-11	+0.048	+4.048	+0.04	+18.992	-135.232
-10	+0.048	+4.464	+0.05	+17.472	-127.936
-9	+0.064	+4.992	+0.06	+15.968	-119.408
-8	+0.080	+5.664	+0.07	+14.864	-113.472
-7	+0.112	+6.544	+0.08	+13.904	-108.384
-6	+0.144	+7.728	+0.09	+13.072	-103.856
-5	+0.224	+9.456	+0.1	+12.368	-99.968
-4	+0.384	+12.192	+0.2	+8.000	-74.960
-3	+0.800	+17.152	+0.3	+5.824	-61.552
-2	+2.560	+29.104	+0.4	+4.512	-52.688
-1	+50.944	+78.480	+0.5	+3.616	-46.272
-0.9	+71.648	+73.424	+0.6	+2.992	-41.360
-0.8	+87.648	+61.648	+0.7	+2.528	-37.440
-0.7	+98.768	+47.904	+0.8	+2.160	-34.240
-0.6	+106.864	+33.840	+0.9	+1.856	-31.568
-0.5	+113.264	+19.504	+1	+1.616	-29.296
-0.4	+118.784	+4.320	+2	+0.608	-17.168
-0.3	+124.048	-12.816	+3	+0.320	-12.192
-0.2	+129.744	-34.160	+4	+0.208	-9.456
-0.1	+137.376	-66.784	+5	+0.144	-7.728
-0.09	+138.416	-71.504	+6	+0.096	-6.544
-0.08	+139.568	-76.704	+7	+0.064	-5.808
-0.07	+140.832	-82.560	+8	+0.064	-4.992
-0.06	+142.256	-89.248	+9	+0.048	-4.480
-0.05	+143.920	-97.088	+10	+0.032	-4.048
-0.04	+145.904	-106.576	+11	+0.032	-3.696
-0.03	+148.416	-118.704	+12	+0.032	-3.392
-0.02	+151.888	-135.632	+13	+0.016	-3.136
-0.01	+157.712	-164.304	+14	+0.016	-2.928



$x$	$\frac{10^9}{6.6} \int_0^x \frac{\partial^2 u}{\partial x^2} dx$	$\sigma = 6 = +0.16$ $10^9 \int_0^x \frac{\partial^2 u}{\partial x^2}$	$x$	$\frac{10^9}{6.6} \int_0^x \frac{\partial^2 u}{\partial x^2}$	$\sigma = 6 = +0.16$ $10^9 \int_0^x \frac{\partial^2 u}{\partial x^2}$
			0	0	0
			+0.1	- 10,903	- 1,744
			+0.2	- 17,004	- 2,721
			+0.3	- 18,208	- 2,913
			+0.4	- 15,802	- 2,528
			+0.5	- 10,842	- 1,735
			+0.6	- 4,142	- 0,663
			+0.7	+ 3,828	+ 0,612
			+0.8	+ 12,277	+ 1,964
			+0.9	+ 22,229	+ 3,557
			+1	+ 32,221	+ 5,155
			+2	+ 124,385	+ 19,902
			+3	+ 231,961	+ 37,114
			+4	+ 307,059	+ 49,129
			+5	+ 367,801	+ 58,848
			+6	+ 418,098	+ 66,896
			+7	+ 460,877	+ 73,740
			+8	+ 497,994	+ 79,679
			+9	+ 530,672	+ 84,908
			+10	+ 559,761	+ 89,562
			+11	+ 586,185	+ 93,790
			+12	+ 610,129	+ 97,621
			+13	+ 632,512	+ 101,202
			+14	+ 652,714	+ 104,434
			+15	+ 671,643	+ 107,463
-13	+ 656,163	+ 104,986			
-12	+ 636,090	+ 101,774			
-11	+ 614,460	+ 98,314			
-10	+ 591,067	+ 94,571			
-9	+ 564,845	+ 90,375			
-8	+ 535,435	+ 85,670			
-7	+ 504,391	+ 80,703			
-6	+ 467,952	+ 74,872			
-5	+ 426,137	+ 68,182			
-4	+ 376,690	+ 60,270			
-3	+ 316,661	+ 50,666			
-2	+ 240,571	+ 38,491			
-1	+ 139,009	+ 22,241			
-0.9	+ 126,841	+ 20,295			
-0.8	+ 114,177	+ 18,268			
-0.7	+ 100,455	+ 16,073			
-0.6	+ 87,473	+ 13,996			
-0.5	+ 73,365	+ 11,738			
-0.4	+ 59,082	+ 9,453			
-0.3	+ 43,905	+ 7,024			
-0.2	+ 28,745	+ 4,599			
-0.1	+ 13,815	+ 2,210			
0	0	0			

$x$	$\frac{10^9}{6-6} \int_0^x \frac{\partial u}{\partial x^2}$	$6-6 = -1.6$ $10^9 \int_0^x \frac{\partial u}{\partial x^2}$	$x$	$\frac{10^9}{6-6} \int_0^x \frac{\partial u}{\partial x^2}$	$6-6 = -1.6$ $10^9 \int_0^x \frac{\partial u}{\partial x^2}$
-14	+95.085	-152.136	+0.01	+1.440	-2.304
-13	+92.943	-148.709	+0.02	+2.541	-4.066
-12	+90.795	-145.272	+0.03	+3.502	-5.603
-11	+88.380	-141.408	+0.04	+4.381	-7.010
-10	+85.656	-137.050	+0.05	+5.246	-8.394
-9	+82.716	-132.346	+0.06	+5.967	-9.547
-8	+79.417	-127.067	+0.07	+6.694	-10.710
-7	+75.642	-121.027	+0.08	+7.387	-11.819
-6	+71.162	-113.859	+0.09	+8.045	-12.872
-5	+65.827	-105.323	+0.1	+8.687	-13.899
-4	+59.155	-94.648	+0.2	+14.050	-22.480
-3	+50.155	-80.248	+0.3	+18.288	-29.260
-2	+36.379	-58.206	+0.4	+21.842	-34.947
-1	+5.849	-9.358	+0.5	+24.925	-39.880
-0.9	+1.059	-1.694	+0.6	+27.661	-44.258
-0.8	-3.187	+5.099	+0.7	+30.115	-48.184
-0.7	-6.616	+10.586	+0.8	+32.351	-51.762
-0.6	-8.962	+14.339	+0.9	+34.405	-55.048
-0.5	-10.839	+17.342	+1	+36.305	-58.088
-0.4	-11.589	+18.542	+2	+50.135	-80.216
-0.3	-11.341	+18.146	+3	+59.137	-94.619
-0.2	-9.904	+15.846	+4	+65.822	-105.315
-0.1	-6.850	+10.960	+5	+71.162	-113.859
-0.09	-6.417	+10.267	+6	+75.637	-121.019
-0.08	-5.955	+9.528	+7	+80.046	-128.074
-0.07	-5.457	+8.731	+8	+82.716	-132.346
-0.06	-4.920	+7.872	+9	+85.750	-137.200
-0.05	-4.339	+6.942	+10	+88.375	-141.400
-0.04	-3.703	+5.925	+11	+90.793	-145.269
-0.03	-3.002	+4.803	+12	+92.945	-148.712
-0.02	-2.209	+3.534	+13	+94.949	-151.918
-0.01	-1.284	+2.054	+14	+96.920	-155.072
0	0	0			

$\gamma \alpha = 2$

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$x$	$(x-1)^2 + 4$	$x^2$	$\log_{10}(x-1)^2 + 4$	$\log_{10} x^2$	$\log_{10} \frac{(x-1)^2 + 4}{x^2}$	$A$ $-122,130$ $\log_{10} \frac{(x-1)^2 + 4}{x^2}$	$A'$ $-61,065$ $\log_{10} \frac{(x-1)^2 + 4}{x^2}$	$\frac{1}{1-x}$
-17	328	289	2.5159	2.4609	0.0550	-6.717	-3.354	+0.0556
-16	293	256	2.4669	2.4082	0.0587	-7.169	-3.535	+0.0587
-15	260	225	2.4150	2.3522	0.0628	-7.670	-3.835	+0.0625
-14	229	196	2.3598	2.2923	0.0675	-8.244	-4.122	
-13	200	169	2.3010	2.2279	0.0731	-8.928	-4.464	
-12	173	144	2.2380	2.1584	0.0796	-9.722	-4.861	
-11	148	121	2.1703	2.0828	0.0875	-10.686	-5.343	
-10	125	100	2.0969	2.0000	0.0969	-11.834	-5.917	
-9	104	81	2.0170	1.9085	0.1085	-13.251	-6.626	
-8	85	64	1.9294	1.8062	0.1232	-15.046	-7.523	
-7	68	49	1.8325	1.6902	0.1423	-17.379	-8.690	
-6	53	36	1.7243	1.5563	0.1680	-20.518	-10.259	
-5	40	25	1.6021	1.3979	0.2042	-24.939	-12.480	
-4	29	16	1.4624	1.2041	0.2583	-31.546	-15.773	
-3	20	9	1.3010	0.9542	0.3468	-42.355	-21.178	
-2	13	4	1.1139	0.6021	0.5118	-62.506	-31.253	
-1.8	11.84	3.24	1.0734	0.5105	0.5629	-68.747	-34.374	+0.3571
-1.6	10.76	2.56	1.0318	0.4082	0.6236	-76.160	-38.080	+0.3846
-1.4	9.76	1.96	0.9895	0.2923	0.6972	-85.149	-42.575	+0.4167
-1.2	8.84	1.44	0.9465	0.1584	0.7881	-96.251	-48.126	+0.4545
-1.0	8.00	1.00	0.9031	0.0000	0.9031	-110.296	-55.148	
-0.9	7.61	0.81	0.8814	0.9085-1	0.9729	-118.820	-59.410	+0.5263
-0.8	7.24	0.64	0.8597	0.8062-1	1.0535	-128.664	-64.332	+0.5556
-0.7	6.89	0.49	0.8382	0.6902-1	1.1480	-140.205	-70.103	+0.5882
-0.6	6.56	0.36	0.8169	0.5563-1	1.2606	-153.957	-76.979	+0.6250
-0.5	6.25	0.25	0.7959	0.3979-1	1.3980	-170.738	-85.369	
-0.4	5.96	0.16	0.7752	0.2041-1	1.5711	-191.878	-95.939	+0.7143
-0.3	5.69	0.09	0.7551	0.9542-2	1.8009	-219.944	-109.972	+0.7692
-0.2	5.44	0.04	0.7356	0.6021-2	2.1335	-260.564	-130.282	+0.8333
-0.1	5.21	0.01	0.7168	0.0000-2	2.7168	-331.803	-165.902	+0.9091
-0.05	5.1025	0.0025	0.7078	0.3079-3	3.3099	-404.238	-202.119	+0.9524
-0.02	5.0404	0.0004	0.7025	0.6021-4	4.1004	-500.782	-250.391	+0.9804
-0.01	5.0201	0.0001	0.7007	0.0000-4	4.7007	-574.096	-287.048	+0.9901

$\frac{z}{1-x}$	$\arctan \frac{z}{1-x}$	$\frac{z}{1-x}$	$\frac{z}{1-x}$	$\frac{B}{+53,04}$ $\arctan \frac{z}{1-x}$	$\frac{B'}{-106,08}$ $\arctan \frac{z}{1-x}$	$A+B = \frac{10^5}{6 \cdot 6} \frac{z^2}{2 \times 2}$	$A+B' = \frac{10^5}{6 \cdot 6} \frac{z^2}{2 \times 2}$
+0.1112	+6° 21'	+0.1047 61	+0.1108	+5.877	-11.754	-0.840	-15.108
+0.1174	+6° 42'	0.1047 122	+0.1169	+6.201	-12.401	-0.968	-15.936
+0.1250	+7° 8'	0.1222 23	+0.1245	+6.604	-13.207	-1.066	-17.042
+0.1333	+7° 36'	0.1222 105	+0.1327	+7.039	-14.077	-1.205	-18.199
+0.1428	+8° 8'	0.1396 23	+0.1419	+7.527	-15.053	-1.401	-19.517
+0.1538	+8° 45'	0.1396 131	+0.1527	+8.099	-16.198	-1.623	-21.059
+0.1666	+9° 28'	0.1571 81	+0.1652	+8.762	-17.524	-1.924	-22.867
+0.1818	+10° 18'	0.1745 52	+0.1797	+9.532	-19.063	-2.302	-24.980
+0.2000	+11° 19'	0.1920 55	+0.1975	+10.476	-20.951	-2.775	-27.577
+0.2222	+12° 32'	0.2094 93	+0.2187	+11.600	-23.200	-3.446	-30.723
+0.2500	+14° 2'	0.2443 8	+0.2449	+12.990	-25.979	-4.489	-34.669
+0.2858	+15° 57'	0.2618 166	+0.2784	+14.767	-29.533	-5.751	-39.792
+0.3333	+18° 26'	0.3142 76	+0.3218	+17.069	-34.137	-7.870	-46.607
+0.4000	+21° 48'	0.3665 140	+0.3805	+20.182	-40.363	-11.364	-56.136
+0.5000	+26° 34'	0.4538 99	+0.4637	+24.595	-49.189	-17.760	-70.367
+0.6667	+33° 42'	0.5760 122	+0.5882	+31.198	-62.396	-31.308	-93.649
+0.7142	+35° 32'	0.6109 93	+0.6202	+32.896	-65.791	-35.851	-100.165
+0.7692	+37° 34'	0.6458 99	+0.6557	+34.779	-69.557	-41.381	-107.637
+0.8334	+39° 49'	0.6807 143	+0.6950	+36.863	-73.726	-48.286	-116.301
+0.9090	+42° 16'	0.7330 47	+0.7377	+39.628	-78.255	-56.623	-126.381
+1.0000	+45° 0'	0.7854 0	+0.7854	+41.658	-83.315	-68.638	-138.463
+1.0526	+46° 28'	0.8029 81	+0.8110	+43.076	-86.031	-75.804	-145.441
+1.1112	+48° 1'	0.8378 3	+0.8381	+44.453	-88.906	-84.213	-153.238
+1.1764	+49° 38'	0.8552 111	+0.8663	+45.949	-91.897	-94.256	-162.000
+1.2500	+51° 20'	0.8901 58	+0.8959	+47.519	-95.037	-106.438	-172.016
+1.3333	+53° 8'	0.9250 23	+0.9273	+49.184	-98.368	-121.554	-183.737
+1.4286	+55° 0'	0.9599 0	+0.9599	+50.913	-101.826	-140.965	-197.765
+1.5384	+56° 59'	0.9774 172	+0.9986	+52.966	-105.931	-166.978	-215.903
+1.6667	+59° 2'	1.0297 8	+1.0303	+54.647	-109.294	-205.917	-239.576
+1.8182	+61° 11'	1.0647 32	+1.0679	+56.642	-113.283	-275.161	-279.185
+1.9048	+62° 18'	1.0821 52	+1.0873	+57.671	-115.341	-346.567	-317.460
+1.9608	+62° 59'	1.0821 172	+1.0993	+58.307	-116.614	-442.475	-367.005
+1.9802	+63° 12'	1.0996 35	+1.1031	+58.509	-117.017	-515.587	-404.065

$x$	$(x-1)^2+4$	$x^2$	$\log_{10}[(x-1)^2+4]$	$\log_{10} x^2$	$\log_{10} \frac{(x-1)^2+4}{x^2}$	$A$ -122,130 $\log_{10} \frac{(x-1)^2+4}{x^2}$	$A'$ -61,065 $\log_{10} \frac{(x-1)^2+4}{x^2}$	$\frac{1}{1-x}$
+0.01	4.9801	0.0001	0.6972	0.0000-4	4.6972	-573.669	-286.835	+1.0101
+0.02	4.9604	0.0004	0.6955	0.6021-4	4.0934	-499.927	-249.964	+1.0204
+0.05	4.9025	0.0025	0.6904	0.3979-3	3.2925	-402.113	-201.057	+1.0526
+0.1	4.81	0.01	0.6821	0.0000-2	2.6821	-327.565	-163.783	+1.1111
+0.2	4.64	0.04	0.6665	0.6021-2	2.0644	-252.125	-126.063	+1.2500
+0.3	4.49	0.09	0.6522	0.9542-2	1.6980	-207.377	-103.689	+1.4286
+0.4	4.36	0.16	0.6395	0.2041-1	1.4354	-175.305	-87.653	+1.6667
+0.5	4.25	0.25	0.6284	0.3979-1	1.2305	-150.281	-75.141	
+0.6	4.16	0.36	0.6191	0.5563-1	1.0628	-129.800	-64.900	+2.5000
+0.7	4.09	0.49	0.6117	0.6902-1	0.9215	-112.543	-56.272	+3.3333
+0.8	4.04	0.64	0.6064	0.8062-1	0.8002	-97.728	-48.864	+5.0000
+0.9	4.01	0.81	0.6031	0.9085-1	0.6946	-84.831	-42.416	+10.0000
+1.0	4.00	1.00	0.6021	0.0000	0.6021	-73.534	-36.767	
+1.2	4.04	1.44	0.6064	0.1584	0.4480	-54.714	-27.357	-5.0000
+1.4	4.16	1.96	0.6191	0.2923	0.3268	-39.912	-19.956	-2.5000
+1.6	4.36	2.56	0.6395	0.4082	0.2313	-28.249	-14.125	-1.6667
+1.8	4.64	3.24	0.6665	0.5105	0.1560	-19.052	-9.526	-1.2500
+2	5	4	0.6990	0.6021	0.0969	-11.834	-5.917	
+3	8	9	0.9031	0.9542	-0.0511	+6.241	+3.121	
+4	13	16	1.1139	1.2041	-0.0902	+11.016	+5.508	
+5	20	25	1.3010	1.3979	-0.0989	+12.079	+6.040	
+6	29	36	1.4624	1.5563	-0.0939	+11.468	+5.734	
+7	40	49	1.6021	1.6902	-0.0881	+10.760	+5.380	
+8	53	64	1.7243	1.8062	-0.0819	+10.002	+5.007	
+9	68	81	1.8325	1.9085	-0.0760	+9.282	+4.641	
+10	85	100	1.9294	2.0000	-0.0706	+8.622	+4.311	
+11	104	121	2.0170	2.0828	-0.0658	+8.036	+4.018	
+12	125	144	2.0969	2.1584	-0.0615	+7.511	+3.756	
+13	148	169	2.1703	2.2279	-0.0576	+7.035	+3.518	
+14	173	196	2.2380	2.2923	-0.0543	+6.632	+3.316	
+15	200	225	2.3010	2.3522	-0.0512	+6.253	+3.127	-0.0714
+16	229	256	2.3598	2.4082	-0.0484	+5.911	+2.956	-0.0667
+17	260	289	2.4150	2.4609	-0.0459	+5.606	+2.803	-0.0625

arc $\log \frac{2}{1-x}$	$\frac{2}{1-x}$		B	B'	A + B	A' + B'
			+53,04 arc $\log \frac{2}{1-x}$	-106,08 arc $\log \frac{2}{1-x}$	$\frac{10^9}{6 \cdot 0} \frac{2^4}{2 \times 2^2}$	$\frac{10^9}{6 \cdot 6} \frac{2^4}{2 \times 2}$
+63° 40'	1.0996 116	+1.1112	+58.938	-117.876	-514.731	-404.711
+63° 54'	1.0996 157	+1.1153	+59.156	-118.311	-681.361 -440.771	-71.451 -366.275
+64° 36'	1.1170 105	+1.1275	+59.803	-119.605	-607.401 -342.310	-33.015 -320.662
+65° 46'	1.1345 134	+1.1479	+60.885	-121.769	-508.940 -266.680	+12.598 -285.552
+68° 12'	1.1868 35	+1.1903	+63.134	-126.267	-433.310 -188.991	+47.708 -252.330
+70° 43'	1.2217 125	+1.2342	+65.462	-130.924	-355.621 -141.915	+80.930 -234.613
+73° 18'	1.2741 52	+1.2793	+67.854	-135.708	-308.545 -117.451	+98.647 -223.361
+75° 58'	1.3090 169	+1.3259	+70.326	-140.651	-284.081 -79.955	+109.899 -215.792
+78° 41'	1.3614 119	+1.3733	+72.840	-145.680	-246.585 -56.960	+117.468 -210.580
+81° 29'	1.4137 84	+1.4221	+75.428	-150.856	-223.590 -37.115	+122.680 -207.128
+84° 17'	1.4661 49	+1.4710	+78.022	-156.044	-203.745 -19.706	+126.132 -204.908
+87° 8'	1.5184 23	+1.5207	+80.658	-161.316	-186.336 -4.773	+128.352 -203.732
+90° 0'	1.5708 0	+1.5708	+83.315	-166.630	-170.803 +9.781	+129.528 -203.397
+95° 43'	1.6581 125	+1.6706	+88.609	-177.217	-156.849 -132.654	+129.863 +128.686
+101° 19'	1.7628 55	+1.7683	+93.791	-187.581	-112.751	+125.723
+106° 42'	1.8500 122	+1.8622	+98.771	-197.542	-96.108	+121.593
+111° 48'	1.9373 140	+1.9513	+103.497	-206.994	-82.185	+116.740
+116° 34'	2.0246 99	+2.0345	+107.910	-215.820	-70.554	+111.523
+135° 0'	2.3562 0	+2.3562	+124.973	-249.946	-35.416	+86.435
+146° 18'	2.5482 52	+2.5534	+135.433	-270.865	-20.181	+67.903
+153° 26'	2.6704 76	+2.6780	+142.041	-284.082	-12.510	+55.218
+158° 12'	2.7576 35	+2.7609	+146.438	-292.876	-8.724	+46.118
+161° 34'	2.8000 99	+2.8199	+149.568	-299.135	-6.302	+39.505
+164° 3'	2.8623 9	+2.8632	+151.864	-303.728	-4.764	+34.533
+165° 58'	2.8798 169	+2.8967	+153.641	-307.282	-3.707	+30.619
+167° 28'	2.9147 81	+2.9228	+155.026	-310.051	-2.982	+27.520
+168° 41'	2.9322 189	+2.9441	+156.155	-312.310	-2.439	+24.968
+169° 42'	2.9496 122	+2.9618	+157.094	-314.188	-2.025	+22.828
+170° 32'	2.9671 93	+2.9764	+157.869	-315.737	-1.726	+21.041
+171° 15'	2.9845 44	+2.9889	+158.532	-317.063	-1.466	+19.513
+171° 52'	2.9845 151	+2.9996	+159.099	-318.198	-1.278	+18.189
+172° 24'	3.0020 70	+3.0090	+159.598	-319.495	-1.121	+17.021
+172° 52'	3.0020 151	+3.0171	+160.027	-320.054	-0.997	+16.009

$x$	$10^2 x \frac{\partial^2 U}{\partial x^2}$	$+ 305,325$ $\ln_{10}((1+x)^2 + 4)$	$= c_1 \ln(a_1 + c_2)$	$\frac{10^2}{0.01} \int_0^x \frac{\partial^2 U}{\partial x^2} dx$
-17	+ 256.836	+ 768.198	-213,406	+ 811.628
-16	+ 254.976	+ 753.237		+ 794.807
-15	+ 255.630	+ 737.360		+ 779.584
-14	+ 254.786	+ 720.567		+ 761.947
-13	+ 253.721	+ 702.553		+ 742.868
-12	+ 252.708	+ 683.317		+ 722.619
-11	+ 251.537	+ 662.555		+ 700.686
-10	+ 249.800	+ 640.267		+ 676.607
-9	+ 248.193	+ 615.841		+ 650.628
-8	+ 245.784	+ 588.972		+ 621.350
-7	+ 242.683	+ 559.661		+ 588.938
-6	+ 238.752	+ 526.380		+ 551.726
-5	+ 233.035	+ 489.131		+ 508.760
-4	+ 224.544	+ 446.385		+ 457.523
-3	+ 211.101	+ 397.228		+ 394.923
-2	+ 187.298	+ 340.132		+ 314.024
-1.8	+ 180.297	+ 327.614		+ 294.505
-1.6	+ 172.219	+ 315.095		+ 273.908
-1.4	+ 162.827	+ 302.272		+ 251.687
-1.2	+ 151.657	+ 289.143		+ 227.394
-1	+ 138.463	+ 275.739		+ 200.796
-0.9	+ 130.897	+ 269.113		+ 186.604
-0.8	+ 122.590	+ 262.488		+ 171.672
-0.7	+ 113.400	+ 255.923		+ 155.917
-0.6	+ 103.210	+ 249.420		+ 139.224
-0.5	+ 91.869	+ 243.008		+ 121.471
-0.4	+ 79.106	+ 236.688		+ 102.388
-0.3	+ 64.771	+ 230.551		+ 81.916
-0.2	+ 47.915	+ 224.597		+ 59.106
-0.1	+ 27.919	+ 218.857		+ 33.370
-0.05	+ 15.926	+ 216.109		+ 18.629
-0.02	+ 7.340	+ 214.491		+ 8.425
-0.01	+ 4.041	+ 213.941		+ 4.576




$x$	$x \frac{\partial^2 u}{\partial x^2}$	$+305,325$ $\log_{10}((1-x)^2+4)$	$-c_2 \log_{10}(a_1+c_1)$	$\frac{10^9}{6 \cdot 6} \int_0^x \frac{\partial^2 u}{\partial x^2} dx$
+0.01	-0.715	+212.873	-213,406	-1.248
+0.02	-0.660	+212.354		-1.712
+0.05	+0.630	+210.796		-1.980
+0.1	+4.771	+208.262		-0.373
+0.2	+16.186	+203.499		+6.279
+0.3	+29.594	+199.133		+15.321
+0.4	+43.960	+195.255		+25.809
+0.5	+58.734	+191.866		+37.194
+0.6	+73.608	+189.027		+49.229
+0.7	+88.292	+186.767		+61.653
+0.8	+102.682	+185.149		+74.425
+0.9	+116.575	+184.142		+87.311
+1.0	+129.863	+183.836		+100.293
+1.2	+154.423	+185.149		+126.166
+1.4	+176.012	+189.027		+151.633
+1.6	+194.549	+195.255		+176.398
+1.8	+210.132	+203.499		+200.225
+2	+223.046	+213.422		+223.062
+3	+259.305	+275.739		+321.638
+4	+271.612	+340.102		+398.308
+5	+276.090	+397.228		+459.912
+6	+276.708	+446.507		+509.809
+7	+276.535	+489.161		+552.290
+8	+276.264	+526.479		+589.337
+9	+275.571	+559.508		+621.673
+10	+275.200	+589.094		+650.888
+11	+274.648	+615.841		+677.083
+12	+273.936	+640.236		+700.766
+13	+273.533	+662.647		+722.774
+14	+273.182	+683.317		+743.093
+15	+272.835	+702.553		+761.982
+16	+272.336	+720.506		+779.436
+17	+272.153	+737.360		+796.107

$x$	$10^5 x \frac{\partial^2 u}{\partial x^2}$	$\frac{-265,2}{\text{arctg } \frac{2}{1-x}}$	$\frac{10^5 \int \frac{\partial^2 u}{\partial x^2} dx}{-8}$
-17	+14.280	-29.384	-15.104
-16	+15.488	-31.002	-15.514
-15	+15.990	-33.017	-17.027
-14	+16.870	-35.192	-18.322
-13	+18.213	-37.632	-19.419
-12	+19.476	-40.496	-21.020
-11	+21.164	-43.811	-22.647
-10	+23.020	-47.656	-24.436
-9	+24.975	-52.377	-27.402
-8	+27.568	-57.999	-30.431
-7	+31.423	-64.947	-33.524
-6	+34.506	-73.832	-39.326
-5	+39.350	-85.341	-45.991
-4	+45.456	-100.909	-55.453
-3	+53.280	-122.973	-69.693
-2	+62.616	-155.991	-93.375
-1.8	+64.532	-164.477	-99.945
-1.6	+66.210	-173.892	-107.682
-1.4	+67.600	-184.314	-116.714
-1.2	+67.948	-195.638	-127.690
-1.0	+68.638	-208.288	-139.650
-0.9	+68.224	-215.077	-146.853
-0.8	+67.370	-222.264	-154.894
-0.7	+65.979	-229.743	-163.764
-0.6	+63.863	-237.593	-173.730
-0.5	+60.777	-245.920	-185.143
-0.4	+56.386	-254.565	-198.179
-0.3	+50.093	-264.829	-214.736
-0.2	+41.183	-273.236	-232.053
-0.1	+27.576	-283.207	-255.691
-0.05	+17.302	-288.352	-271.050
-0.02	+8.829	-291.534	-282.705
-0.01	+5.156	-292.542	-287.386
0			-293.780

$x$	$x \frac{2u}{2x0z}$	$-265,2$ $\arctg \frac{z}{1-x}$	$\frac{109}{6^{1.5}} \int_{-\infty}^x \frac{2u}{2x0z} dx$
+0.01	-6.814	-294.690	-301.504
+0.02	-12.148	-295.778	-307.926
+0.05	-25.447	-299.013	-324.460
+0.1	-43.331	-304.423	-347.754
+0.2	-71.124	-315.668	-386.792
+0.3	-92.564	-327.310	-419.874
+0.4	-113.632	-339.270	-452.902
+0.5	-123.293	-351.629	-474.922
+0.6	-134.154	-364.199	-498.353
+0.7	-142.622	-377.141	-519.763
+0.8	-149.069	-390.109	-539.178
+0.9	-153.723	-403.290	-557.013
+1.0	-156.849	-416.576	-573.425
+1.2	-159.185	-443.043	-602.228
+1.4	-157.851	-468.953	-626.804
+1.6	-153.773	-493.855	-647.628
+1.8	-147.933	-517.485	-665.418
+2	-141.108	-539.549	-680.657
+3	-106.248	-624.864	-731.112
+4	-80.724	-677.162	-757.886
+5	-62.650	-710.206	-772.756
+6	-52.344	-732.191	-784.535
+7	-44.114	-747.837	-791.951
+8	-38.112	-759.321	-797.433
+9	-33.363	-768.205	-801.568
+10	-29.820	-775.127	-804.947
+11	-26.829	-780.775	-807.604
+12	-24.300	-785.469	-809.769
+13	-22.438	-789.341	-811.779
+14	-20.524	-792.656	-813.180
+15	-19.770	-795.494	-814.664
+16	-17.936	-797.987	-815.923
+17	-16.949	-800.135	-817.084

$x$	$\frac{10^9 x}{615} \frac{\partial^2 U}{\partial x \partial z}$	$\frac{\text{arc tg } \frac{11}{5,5-5x}}{}$	$\frac{11}{5,5-5x}$	$-291,72x$ $\frac{\text{arc tg } \frac{11}{5,5-5x}}{}$	$\frac{\text{arc tg } \frac{1}{0,5-5x}}{}$	$\frac{1}{0,5-5x}$	$+26,52x$ $\frac{\text{arc tg } \frac{1}{0,5-5x}}{}$	$\frac{10^9}{615} \int_0^x \frac{\partial^2 U}{\partial x \partial z}$
-13	+21,840	+8° 52'	+0,1547	-45,129	+0° 53'	+0,0154	+0,408	+270,715
-12	+23,208	+9° 32'	+0,1664	-48,542	+0° 57'	+0,0166	+0,440	+268,762
-11	+25,025	+10° 18'	+0,1797	-52,422	+1° 2'	+0,0181	+0,480	+266,739
-10	+27,070	+11° 13'	+0,1958	-57,119	+1° 8'	+0,0198	+0,525	+264,132
-9	+29,655	+12° 17'	+0,2143	-62,516	+1° 16'	+0,0222	+0,589	+261,384
-8	+33,024	+13° 36'	+0,2374	-69,254	+1° 25'	+0,0248	+0,658	+258,084
-7	+35,931	+15° 12'	+0,2653	-77,393	+1° 37'	+0,0283	+0,751	+252,945
-6	+40,290	+17° 13'	+0,3005	-87,662	+1° 53'	+0,0329	+0,873	+247,157
-5	+45,625	+19° 50'	+0,3461	-100,964	+2° 15'	+0,0393	+1,042	+239,359
-4	+52,296	+23° 20'	+0,4072	-118,788	+2° 48'	+0,0489	+1,297	+228,461
-3	+60,534	+28° 13'	+0,4925	-143,672	+3° 42'	+0,0646	+1,710	+212,231
-2	+69,432	+35° 22'	+0,6173	-180,079	+5° 26'	+0,0949	+2,517	+185,526
-1	+77,798	+46° 20'	+0,8087	-235,914	+10° 18'	+0,1797	+4,766	+135,306
-0,9	+71,827	+47° 44'	+0,8331	-243,032	+11° 19'	+0,1975	+5,238	+127,689
-0,8	+70,320	+49° 11'	+0,8584	-250,412	+12° 32'	+0,2187	+5,800	+119,364
-0,7	+67,988	+50° 43'	+0,8852	-258,231	+14° 2'	+0,2449	+6,495	+109,908
-0,6	+65,089	+52° 19'	+0,9131	-266,370	+15° 57'	+0,2784	+7,383	+99,758
-0,5	+60,928	+53° 58'	+0,9419	-274,771	+18° 26'	+0,3218	+8,534	+88,347
-0,4	+55,129	+55° 43'	+0,9724	-283,669	+21° 48'	+0,3805	+10,091	+75,207
-0,3	+47,512	+57° 32'	+1,0041	-292,916	+26° 34'	+0,4637	+12,297	+60,549
-0,2	+36,787	+59° 25'	+1,0370	-302,514	+33° 42'	+0,5882	+15,600	+43,529
-0,1	+21,625	+61° 23'	+1,0714	-312,549	+45° 0'	+0,7854	+20,829	+23,561
0	0	63° 26'	1,1072	-322,992	63° 26'	1,1072	+29,260	(0,000)

$x$	$\frac{10^2}{0,5} \times \frac{24}{2 \times 22}$	arc $\frac{11}{5,5-5x}$	$-291,72x$ arc $\frac{11}{5,5-5x}$	arc $\frac{1}{0,5-5x}$	$+26,52x$ arc $\frac{1}{0,5-5x}$	$\frac{10^2}{0,5} \left( \frac{24}{2 \times 22} \right)^x$		
0	0	+63° 26'	+1.1072	-322.992	+63° 26'	+1.1072	+29.363	
+0,1	-28.696	+65° 33'	+1.1441	-333.757	+90° 0'	+1.5708	+41.658	-27,139
+0,2	-59.186	+67° 45'	+1.1825	-344.959	+116° 34'	+2.0345	+53.955	-56,534
+0,3	-85.306	+70° 1'	+1.2220	-356.482	+135° 0'	+2.3562	+62.486	-85,646
+0,4	-106.172	+72° 21'	+1.2627	-368.355	+146° 18'	+2.5534	+67.716	-113,156
+0,5	-122.827	+74° 45'	+1.3046	-380.578	+153° 26'	+2.6780	+71.021	-138,728
+0,6	-136.169	+77° 12'	+1.3474	-393.064	+158° 12'	+2.7611	+73.224	-162,353
+0,7	-146.824	+79° 42'	+1.3910	-405.783	+161° 34'	+2.8199	+74.784	-184,167
+0,8	-155.299	+82° 14'	+1.4353	-418.706	+164° 3'	+2.8632	+75.932	-204,337
+0,9	-161.701	+84° 48'	+1.4626	-426.670	+165° 58'	+2.8967	+76.820	-217,895
+1	-166.491	+87° 24'	+1.5254	-441.990	+167° 28'	+2.9228	+77.513	-237,312
+2	-153.562	+116° 4'	+2.0258	-590.966	+173° 59'	+3.0366	+80.531	-370,341
+3	-125.625	+130° 49'	+2.2832	-666.055	+176° 3'	+3.0727	+81.488	-416,536
+4	-96.984	+142° 49'	+2.4927	-727.170	+177° 4'	+3.0904	+81.957	-448,541
+5	-77.175	+150° 34'	+2.6279	-766.611	+177° 40'	+3.1008	+82.233	-467,897
+6	-63.348	+155° 49'	+2.7196	-793.362	+178° 3'	+3.1076	+82.414	-480,640
+7	-53.438	+159° 33'	+2.7847	-812.353	+178° 20'	+3.1125	+82.544	-489,591
+8	-46.200	+162° 19'	+2.8329	-826.414	+178° 33'	+3.1163	+82.644	-496,314
+9	-41.760	+164° 26'	+2.8699	-837.207	+178° 43'	+3.1192	+82.721	-502,590
+10	-36.160	+166° 7'	+2.8992	-845.755	+178° 57'	+3.1215	+82.782	-505,477
+11	-32.549	+167° 28'	+2.9228	-852.639	+178° 57'	+3.1233	+82.830	-508,702
+12	-29.628	+168° 35'	+2.9424	-858.357	+179° 2'	+3.1247	+82.867	-511,462
+13	-27.300	+169° 31'	+2.9586	-863.083	+179° 7'	+3.1261	+82.904	-513,823
+14	-25.116	+170° 19'	+2.9726	-867.167	+179° 11'	+3.1273	+82.936	-515,691
+15	-23.280	+171° 0'	2.9845	-870.638	+179° 14'	3.1282	+82.960	-517,302

 $X$	$\frac{1}{85} X \frac{\partial^2 U}{\partial x^2}$	$+ 325,857 X$ $\log_{10} \{ (x-1,1)^2 + 2,84 \}$	$- 30,532 X$ $\log_{10} \{ (x-0,1)^2 + 0,04 \}$	$\frac{109}{0,25} \int_0^x \frac{\partial^2 U}{\partial x^2} dx$
-10	+251,225	+775,460	-68,227	+656,163
-12	+249,972	+754,536	-66,123	+636,090
-11	+248,523	+732,068	-63,826	+614,460
-10	+246,910	+707,785	-61,333	+591,064
-9	+244,323	+681,387	-58,570	+564,845
-8	+240,760	+652,503	-55,483	+535,485
-7	+238,049	+620,630	-51,993	+504,391
-6	+233,052	+585,164	-47,969	+467,952
-5	+226,290	+545,365	-43,227	+426,137
-4	+216,244	+500,192	-37,451	+376,690
-3	+200,478	+448,537	-30,059	+316,661
-2	+173,302	+389,561	-19,797	+240,571
-1	+119,792	+324,471	-2,959	+139,009
-0,9	+111,766	+317,889	-0,519	+126,841
-0,8	+103,000	+311,306	+2,156	+114,177
-0,7	+93,417	+304,219	+5,114	+100,455
-0,6	+83,042	+298,308	+8,418	+87,473
-0,5	+71,584	+291,927	+12,149	+73,365
-0,4	+59,283	+285,680	+16,414	+59,082
-0,3	+45,257	+279,601	+21,342	+43,905
-0,2	+30,296	+273,690	+27,054	+28,745
-0,1	+14,605	+268,074	+33,491	+13,815
0	0	+262,573	+39,722	+0

$x$	$\frac{1}{0.5} \times \frac{2^x}{2x^2}$	$+ 335.857 \times$ $\log_{10} \left\{ (x-1.1)^2 + 4.84 \right\}$	$\frac{-502.295}{-30.532 \times}$ $\log_{10} \left\{ (x-0.1)^2 + 0.04 \right\}$	$\frac{109}{0.5} \int_0^x \frac{2^x}{2x^2} dx.$
0	0	+262,573	+ 39.722	0
+0.1	-8,689	+ 257,401	+ 42.681	-10,903
+0.2	-6,995	+ 252,564	+ 39.722	-17,004
+0.3	+2,465	+ 248,131	+ 33.491	-18,208
+0.4	+15,372	+ 244,067	+ 27.054	-15,802
+0.5	+29,637	+ 240,474	+ 21.342	-10,842
+0.6	+44,389	+ 237,350	+ 16.414	-4,142
+0.7	+59,210	+ 234,764	+ 12.149	+ 3,828
+0.8	+73,472	+ 232,682	+ 8.418	+ 12,277
+0.9	+88,206	+ 231,204	+ 5.114	+ 22,229
+1	+102,063	+ 230,297	+ 2.156	+ 32,221
+2	+191,284	+ 252,564	- 17.168	+ 124,385
+3	+251,250	+ 311,306	- 28.300	+ 231,961
+4	+268,584	+ 376,899	- 36.129	+ 307,059
+5	+274,945	+ 437,319	- 42.168	+ 367,801
+6	+277,104	+ 490,385	- 47.086	+ 418,098
+7	+277,641	+ 536,767	- 51.236	+ 460,877
+8	+277,536	+ 577,573	- 54.820	+ 497,994
+9	+277,101	+ 613,846	- 57.980	+ 530,672
+10	+276,500	+ 646,357	- 60.801	+ 559,761
+11	+276,023	+ 675,811	- 63.354	+ 586,185
+12	+275,424	+ 702,680	- 65.680	+ 610,129
+13	+275,262	+ 727,366	- 67.821	+ 632,512
+14	+274,638	+ 750,170	- 69.799	+ 652,714
+15.	+274,185	+ 771,396	- 71.643	+ 671,643

$X$	$(X-1,1)^2 + 4,84$	$(X-0,1)^2 + 0,04$	$\log_{10}((X-1,1)^2 + 4,84)$	$\log_{10}((X-0,1)^2 + 0,04)$	$\frac{(X-0,7)^2 + 4,84}{(X-0,1)^2 + 0,04}$	$A$ $-122,130$ $\log_{10} \frac{(X-1,1)^2 + 4,84}{(X-0,1)^2 + 0,04}$	$A'$ $-61,065$ $\log_{10} \frac{(X-1,1)^2 + 4,84}{(X-0,1)^2 + 0,04}$	$\frac{1}{0,5-5X}$	$\arctg \frac{1}{0,5-5X}$
-13	203,65	171,65	2,3089	2,2346	+0,0743	-9,074	-4,537	+0,0153	+0° 53'
-12	176,45	146,45	2,2466	2,1657	+0,0809	-9,880	-4,940	+0,0165	+0° 57'
-11	151,25	123,25	2,1797	2,0908	+0,0889	-10,857	-5,429	+0,0180	+1° 2'
-10	128,05	102,05	2,1074	2,0088	+0,0986	-12,042	-6,021	+0,0198	+1° 8'
-9	106,85	82,85	2,0288	1,9183	+0,1105	-13,495	-6,748	+0,0220	+1° 16'
-8	87,65	65,65	1,9428	1,8172	+0,1256	-15,340	-7,670	+0,0247	+1° 25'
-7	70,45	50,45	1,8479	1,7029	+0,1450	-17,709	-8,855	+0,0282	+1° 37'
-6	55,25	37,25	1,7423	1,5711	+0,1712	-20,909	-10,455	+0,0328	+1° 53'
-5	42,05	26,05	1,6238	1,4158	+0,2080	-25,403	-12,702	+0,0392	+2° 15'
-4	30,85	16,85	1,4893	1,2266	+0,2627	-32,084	-16,042	+0,0488	+2° 48'
-3	21,65	9,65	1,3355	0,9845	+0,3510	-42,868	-21,434	+0,0645	+3° 42'
-2	14,45	4,45	1,1599	0,6484	+0,5115	-62,469	-31,235	+0,0952	+5° 26'
-1	9,25	1,25	0,9661	0,0969	+0,8692	-106,155	-53,078	+0,1818	+10° 18'
-0,9	8,84	1,04	0,9465	0,0170	+0,9295	-113,520	-56,760	+0,2000	+11° 19'
-0,8	8,45	0,85	0,9269	0,9294-1	+0,9975	-121,825	-60,913	+0,2222	+12° 32'
-0,7	8,05	0,68	0,9058	0,8325-1	+1,0733	-131,082	-65,541	+0,2500	+14° 2'
-0,6	7,73	0,53	0,8882	0,7243-1	+1,1639	-142,147	-71,074	+0,2857	+15° 57'
-0,5	7,40	0,40	0,8692	0,6021-1	+1,2671	-154,751	-77,376	+0,3333	+18° 26'
-0,4	7,09	0,29	0,8506	0,4624-1	+1,3882	-169,541	-84,771	+0,4000	+21° 48'
-0,3	6,80	0,20	0,8325	0,3010-1	+1,5315	-187,042	-93,521	+0,5000	+26° 34'
-0,2	6,53	0,13	0,8149	0,1139-1	+1,7010	-207,743	-103,872	+0,6667	+33° 42'
-0,1	6,28	0,08	0,7980	0,9031-2	+1,8949	-231,424	-115,712	+1,0000	+45° 0'
0	6,05	0,05	0,7818	0,6990-2	+2,0828	-254,372	-127,186	+2,0000	+63° 26'



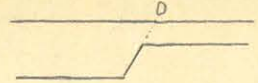
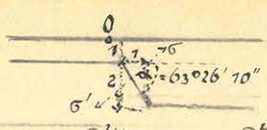
$\frac{11}{5,5-5x}$	$\arctg \frac{11}{5,5-5x}$	$\arctg \frac{1}{0,5-5x} - \arctg \frac{11}{5,5-5x}$	$B$ $-53,04$ $\arctg \frac{1}{0,5-5x} - \arctg \frac{11}{5,5-5x}$	$B'$ $+106,08$ $\arctg \frac{1}{0,5-5x} - \arctg \frac{11}{5,5-5x}$	$A+B$ $\frac{1}{0,6} 10,9 \frac{\partial u}{\partial x^2}$	$A+B'$ $\frac{1}{0,6} 10,9 \frac{\partial u}{\partial x^2}$		
+0.1560	+8°52'	-7°59'	-0.1222 172	-0.1394	+7.394	-14.788	-1.680	-19.325
+0.1679	+9°32'	-8°35'	-0.1386 102	-0.1498	+7.946	-15.891	-1.934	-20.831
+0.1818	+10°18'	-9°16'	-0.1571 47	-0.1618	+8.582	-17.164	-2.275	-22.593
+0.1982	+11°13'	-10°5'	-0.1745 15	-0.1760	+9.335	-18.670	-2.707	-24.691
+0.2178	+12°17'	-11°1'	-0.1920 3	-0.1923	+10.200	-20.399	-3.295	-27.147
+0.2418	+13°36'	-12°11'	-0.2094 20	-0.2114	+11.212	-22.425	-4.128	-30.095
+0.2716	+15°12'	-13°35'	-0.2269 102	-0.2371	+12.576	-25.152	-5.133	-34.007
+0.3099	+17°13'	-15°20'	-0.2618 58	-0.2676	+14.194	-28.387	-6.715	-38.842
+0.3607	+19°50'	-17°35'	-0.2967 102	-0.3069	+16.278	-32.556	-9.125	-45.258
+0.4314	+23°20'	-20°32'	-0.3491 93	-0.3584	+19.010	-38.019	-13.074	-54.061
+0.5366	+28°13'	-24°31'	-0.4189 90	-0.4279	+22.696	-45.392	-20.172	-66.826
+0.7097	+35°22'	-29°56'	-0.5061 163	-0.5224	+27.708	-55.416	-34.761	-86.651
+1.0476	+46°20'	-36°2'	-0.6283 6	-0.6289	+33.357	-66.714	-72.798	-119.792
+1.1000	+47°44'	-36°25'	-0.6283 73	-0.6356	+33.712	-67.424	-79.808	-124.184
+1.1579	+49°11'	-36°39'	-0.6283 113	-0.6396	+33.925	-67.849	-87.900	-128.762
+1.2222	+50°43'	-36°41'	-0.6283 119	-0.6402	+33.956	-67.912	-97.126	-133.453
+1.2942	+52°19'	-36°22'	-0.6283 64	-0.6347	+33.665	-67.329	-108.482	-138.403
+1.3750	+53°58'	-35°32'	-0.6109 93	-0.6202	+32.896	-65.791	-121.855	-143.167
+1.4667	+55°43'	-33°55'	-0.5760 160	-0.5980	+31.718	-63.436	-137.823	-148.207
+1.5715	+57°32'	-30°58'	-0.5236 169	-0.5405	+28.668	-57.336	-158.374	-150.857
+1.6924	+59°25'	-25°43'	-0.4363 125	-0.4488	+23.805	-47.609	-183.938	-151.481
+1.8334	+61°23'	-16°23'	-0.2793 67	-0.2860	+15.170	-30.339	-216.254	-146.051
+2.0000	+63°26'	0	0	0	0	0	-254.372	-127.186

X	$(x-1)^2 + 4.84$	$(x-0.1)^2 + 0.04$	$\log_{10}((x-1)^2 + 4.84)$	$\log_{10}((x-0.1)^2 + 0.04)$	$\log_{10} \frac{(x-1)^2 + 4.84}{(x-0.1)^2 + 0.04}$	A	A'	$\frac{1}{0.5-5x}$	arctg $\frac{1}{0.5-5x}$
						$-122.930$ $\log_{10} \frac{(x-1)^2 + 4.84}{(x-0.1)^2 + 0.04}$	$\log_{10} \frac{(x-1)^2 + 4.84}{(x-0.1)^2 + 0.04}$		
0	6.05	0.05	0.7818	0.6990-2	+2.0828	-254.372	-127.186	+2.0000	+63°26'
+0.1	5.84	0.04	0.7664	0.6021-2	+2.1643	-264.326	-132.163	$\infty$	+90° 0'
+0.2	5.65	0.05	0.7520	0.6990-2	+2.0530	-250.733	-125.367	-2.0000	-63°26'
+0.3	5.48	0.08	0.7388	0.5031-2	+1.8357	-224.194	-112.097	-1.0000	-45° 0'
+0.4	5.33	0.13	0.7267	0.1139-1	+1.6128	-196.971	-98.486	-0.6667	-33°42'
+0.5	5.20	0.20	0.7160	0.3010-1	+1.4150	-172.814	-86.407	-0.5000	-26°34'
+0.6	5.09	0.29	0.7067	0.4624-1	+1.2443	-151.966	-75.983	-0.4000	-21°48'
+0.7	5.00	0.40	0.6990	0.6021-1	+1.0969	-133.964	-66.982	-0.3333	-18°26'
+0.8	4.93	0.53	0.6928	0.7243-1	+0.9685	-118.283	-59.642	-0.2857	-15°57'
+0.9	4.88	0.68	0.6884	0.8325-1	+0.8559	-104.531	-52.266	-0.2500	-14° 2'
+1	4.85	0.85	0.6857	0.9294-1	+0.7563	-92.367	-46.184	-0.2222	-12°32'
+2	5.65	3.65	0.7520	0.5623-1	+0.1897	-23.168	-11.584	-0.1053	-6° 1'
+3	8.45	8.45	0.9269	0.9269	0	0	0	-0.0690	-3°57'
+4	13.25	15.25	1.1222	1.1833	-0.0611	+7.462	+3.731	-0.0513	-2°56'
+5	20.05	24.05	1.3021	1.3811	-0.0790	+9.648	+4.824	-0.0408	-2°20'
+6	28.85	34.85	1.4601	1.5422	-0.0821	+10.027	+5.014	-0.0339	-1°57'
+7	39.65	47.65	1.5982	1.6781	-0.0799	+9.758	+4.879	-0.0290	-1°40'
+8	52.45	62.45	1.7197	1.7955	-0.0758	+9.257	+4.629	-0.0253	-1°27'
+9	67.25	79.25	1.8277	1.8990	-0.0713	+8.708	+4.354	-0.0225	-1°17'
+10	84.05	98.05	1.9245	1.9944	-0.0669	+8.170	+4.085	-0.0202	-1°9'
+11	102.85	118.85	2.0122	2.0750	-0.0628	+7.670	+3.835	-0.0183	-1°3'
+12	123.65	141.65	2.0922	2.1512	-0.0590	+7.206	+3.603	-0.0168	-0°58'
+13	146.45	166.45	2.1657	2.2213	-0.0556	+6.790	+3.395	-0.0155	-0°53'
+14	171.25	193.25	2.2336	2.2861	-0.0525	+6.412	+3.206	-0.0144	-0°49'
+15	198.05	222.05	2.2968	2.3465	-0.0497	+6.070	+3.035	-0.0134	-0°46'

$\frac{11}{5,5-5x}$	$\arctg \frac{11}{5,5-5x}$	$\arctg \frac{1}{0,5-5x}$	$-\arctg \frac{11}{5,5-5x}$	$B$ -53,04 $\arctg \frac{1}{0,5-5x}$ $-\arctg \frac{11}{5,5-5x}$	$B'$ +106,08 $\arctg \frac{1}{0,5-5x}$ $-\arctg \frac{11}{5,5-5x}$	$A+B=$ $-\frac{1}{5-5} 10^{\frac{24}{2 \times 2}}$	$A'+B'=$ $-\frac{1}{5-5} 10^{\frac{24}{2 \times 2}}$	
+2.0000	+63°26'	0	0	0	0	-254.372	-127.186	
+2.2000	+65°33'	+24°27'	+0.4189 79	+0.4268	-22.638	+45.275	-286.964	-86.888
+2.4444	+67°45'	+48°49'	+0.8378 143	+0.8521	-45.196	+90.391	-295.929	-34.976
+2.7500	+70°1'	+64°59'	+1.1170 172	+1.1342	-60.158	+120.316	-284.352	+8.219
+3.1428	+72°21'	+73°57'	+1.2741 166	+1.2907	-68.459	+136.917	-265.430	+38.431
+3.6667	+74°45'	+78°41'	+1.3614 119	+1.3733	-72.840	+145.680	-245.654	+59.273
+4.4000	+77°12'	+81°0'	+1.4137 0	+1.4137	-74.983	+149.965	-226.949	+73.982
+5.5000	+79°42'	+81°52'	+1.4137 151	+1.4288	-75.784	+151.567	-209.748	+84.585
+7.3334	+82°14'	+81°49'	+1.4137 143	+1.4280	-75.741	+151.482	-194.024	+91.840
+11.0000	+84°48'	+81°10'	+1.4137 29	+1.4166	-75.137	+150.273	-179.668	+98.007
+22.0000	+87°24'	+80°4'	+1.3963 12	+1.3975	-74.124	+148.247	-166.491	+102.063
-2.4444	-63°56'	+57°55'	+0.9948 160	+1.0108	-53.613	+107.226	-76.781	+95.642
-1.1579	-49°11'	+45°14'	+0.7854 41	+0.7895	-41.875	+83.750	-41.875	+83.750
-0.7587	-37°11'	+34°15'	+0.5934 44	+0.5978	-31.708	+63.415	-24.246	+67.146
-0.5641	-29°26'	+27°6'	+0.4712 17	+0.4729	-25.082	+50.165	-15.435	+54.989
-0.4490	-24°11'	+22°14'	+0.3840 41	+0.3881	-20.585	+41.170	-10.558	+46.184
-0.3729	-20°27'	+18°47'	+0.3142 137	+0.3279	-17.392	+34.784	-7.634	+39.663
-0.3189	-17°41'	+16°14'	+0.2793 41	+0.2834	-15.032	+30.063	-5.775	+34.692
-0.2785	-15°34'	+14°17'	+0.2443 49	+0.2492	-13.248	+26.435	-4.490	+30.789
-0.2472	-13°53'	+12°44'	+0.2094 128	+0.2222	-11.786	+23.571	-3.616	+27.656
-0.2222	-12°32'	+11°29'	+0.1920 84	+0.2004	-10.629	+21.258	-2.959	+25.093
-0.2019	-11°25'	+10°27'	+0.1745 79	+0.1824	-9.675	+19.349	-2.469	+22.952
-0.1849	-10°29'	+9°36'	+0.1571 105	+0.1676	-8.890	+17.779	-2.100	+21.174
-0.1705	-9°41'	+8°52'	+0.1396 151	+0.1547	-8.206	+16.411	-1.794	+19.617
-0.1583	-9°0'	+8°14'	+0.1396 41	+0.1437	-7.622	+15.244	-1.552	+18.279

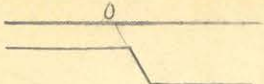
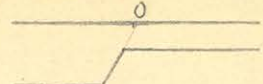


Vegyes

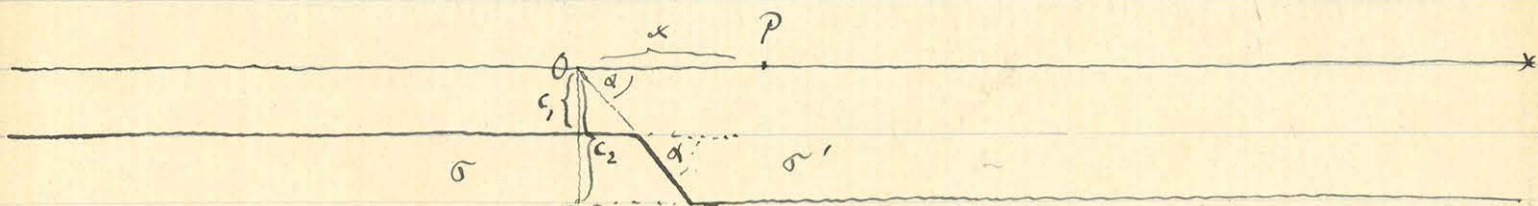
MAGYAR  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA



$\frac{1}{6'-6} 10^9 \frac{\partial^2 u}{\partial x \partial z}$    
 $\frac{1}{6'-6} 10^9 \frac{\partial^2 u}{\partial x^2}$    
 $\frac{1}{6'-6} 10^9 \frac{\partial^2 u}{\partial x \partial z}$    
 $\frac{1}{6'-6} 10^9 \frac{\partial^2 u}{\partial x^2}$    
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 $\frac{1}{6'-6} 10^9 \frac{\partial^2 u}{\partial x^2}$    
 $\frac{1}{6'-6} 10^9 \frac{\partial^2 u}{\partial x \partial z}$    
 $\frac{1}{6'-6} 10^9 \frac{\partial^2 u}{\partial x^2}$

-26	-0.72	-9.77	-0.84	-10.53	-0.84	+10.53	-0.72	+9.77	0
-25	-0.77	-10.13	-0.90	-10.97	-0.90	+10.97	-0.77	+10.13	+0.5
-24	-0.84	-10.53	-0.99	-11.43	-0.99	+11.43	-0.84	+10.53	+0.75
-23	-0.90	-10.97	-1.08	-11.97	-1.08	+11.97	-0.90	+10.97	+0.8028
-22	-0.99	-11.43	-1.19	-12.54	-1.19	+12.54	-0.99	+11.43	+1.0
-21	-1.08	-11.97	-1.31	-13.17	-1.31	+13.17	-1.08	+11.97	+1.5
-20	-1.19	-12.54	-1.46	-13.80	-1.46	+13.80	-1.19	+12.54	+2.0
-19	-1.31	-13.17	-1.61	-14.59	-1.61	+14.59	-1.31	+13.17	+2.5
-18	-1.46	-13.80	-1.81	-15.39	-1.81	+15.39	-1.46	+13.80	+2.8028
-17	-1.61	-14.59	-2.02	-16.29	-2.02	+16.29	-1.61	+14.59	+3
-16	-1.81	-15.39	-2.29	-17.25	-2.29	+17.25	-1.81	+15.39	+4
-15	-2.02	-16.29	-2.60	-18.58	-2.60	+18.58	-2.02	+16.29	+5
-14	-2.29	-17.25	-3.10	-19.91	-3.10	+19.91	-2.29	+17.25	+6
-13	-2.60	-18.58	-3.61	-21.45	-3.61	+21.45	-2.60	+18.58	+7
-12	-3.02	-19.92	-4.25	-23.25	-4.25	+23.25	-3.02	+19.92	+8
-11	-3.51	-21.50	-5.13	-25.40	-5.13	+25.40	-3.51	+21.50	+9
-10	-4.16	-23.34	-5.90	-27.18	-5.90	+27.18	-4.16	+23.34	+10
-9	-5.02	-25.46	-7.85	-31.02	-7.85	+31.02	-5.02	+25.46	+11
-8	-6.08	-28.10	-10.02	-34.72	-10.02	+34.72	-6.08	+28.10	+12
-7	-7.61	-31.19	-13.24	-39.36	-13.24	+39.36	-7.61	+31.19	+13
-6	-9.73	-35.07	-18.15	-45.08	-18.15	+45.08	-9.73	+35.07	+14
-5	-12.85	-39.89	-25.99	-51.97	-25.99	+51.97	-12.85	+39.89	+15
-4	-17.64	-46.06	-39.17	-59.68	-39.17	+59.68	-17.64	+46.06	+16
-3	-25.57	-53.87	-61.86	-65.43	-61.86	+65.43	-25.57	+53.87	+17
-2.8028	-27.72	-55.60	-67.92	-65.69	-67.92	+65.69	-27.72	+55.60	+18
-2.5	-31.53	-58.44	-78.42	-64.93	-78.42	+64.93	-31.53	+58.44	+19
-2.0	-39.64	-63.34	-98.83	-58.97	-98.83	+58.97	-39.64	+63.34	+20
-1.5	-50.87	-68.11	-121.43	-43.43	-121.43	+43.43	-50.87	+68.11	+21
-1.0	-66.72	-71.55	-139.51	-13.64	-139.51	+13.64	-66.72	+71.55	+22
-0.8028	-74.61	-71.98	-142.39	+1.82	-142.39	-1.82	-74.61	+71.98	+23
-0.75	-76.92	-71.93	-142.53	+6.31	-142.53	-6.31	-76.92	+71.93	+24
-0.5	-88.80	-70.59	-139.20	+26.93	-139.20	-26.93	-88.80	+70.59	+25
0	-116.55	-58.28	-116.55	+58.28	-116.55	-58.28	-116.55	+58.28	+26

							
$\frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2}$	$\frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2}$	$\frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2}$	$\frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2}$	$\frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2}$	$\frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2}$	$\frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2}$	$\frac{1}{6 \cdot 6} 10^9 \frac{\partial^2 u}{\partial x^2}$
-116.55	-58.28	-116.55	+58.28	-116.55	-58.28	-116.55	+58.28
-139.20	-26.93	-88.80	+70.59	-88.80	-70.59	-139.20	+26.93
-142.53	-6.31	-76.92	+71.93	-76.92	-71.93	-142.53	+6.31
-142.39	-1.82	-74.61	+71.98	-74.61	-71.98	-142.39	+1.82
-139.51	+13.64	-66.72	+71.55	-66.72	-71.55	-139.51	-13.64
-121.43	+43.43	-50.87	+68.11	-50.87	-68.11	-121.43	-43.43
-98.83	+58.97	-39.64	+63.34	-39.64	-63.34	-98.83	-58.97
-78.42	+64.93	-31.53	+58.44	-31.53	-58.44	-78.42	-64.93
-67.92	+65.69	-27.72	+55.60	-27.72	-55.60	-67.92	-65.69
-61.86	+65.43	-25.57	+53.87	-25.57	-53.87	-61.86	-65.43
-39.17	+59.68	-17.64	+46.06	-17.64	-46.06	-39.17	-59.68
-25.99	+51.97	-12.85	+39.89	-12.85	-39.89	-25.99	-51.97
-18.15	+45.08	-9.73	+35.07	-9.73	-35.07	-18.15	-45.08
-13.24	+39.36	-7.61	+31.19	-7.61	-31.19	-13.24	-39.36
-10.02	+34.72	-6.08	+28.10	-6.08	-28.10	-10.02	-34.72
-7.85	+31.02	-5.02	+25.46	-5.02	-25.46	-7.85	-31.02
-5.90	+27.18	-4.16	+23.34	-4.16	-23.34	-5.90	-27.18
-5.13	+25.40	-3.51	+21.50	-3.51	-21.50	-5.13	-25.40
-4.27	+23.25	-3.02	+19.92	-3.02	-19.92	-4.27	-23.25
-3.61	+21.45	-2.60	+18.58	-2.60	-18.58	-3.61	-21.45
-3.10	+19.91	-2.29	+17.25	-2.29	-17.25	-3.10	-19.91
-2.60	+18.58	-2.02	+16.29	-2.02	-16.29	-2.60	-18.58
-2.29	+17.25	-1.81	+15.39	-1.81	-15.39	-2.29	-17.25
-2.02	+16.29	-1.61	+14.59	-1.61	-14.59	-2.02	-16.29
-1.81	+15.39	-1.46	+13.80	-1.46	-13.80	-1.81	-15.39
-1.61	+14.59	-1.31	+13.17	-1.31	-13.17	-1.61	-14.59
-1.46	+13.80	-1.19	+12.54	-1.19	-12.54	-1.46	-13.80
-1.31	+13.17	-1.08	+11.97	-1.08	-11.97	-1.31	-13.17
-1.19	+12.54	-0.99	+11.43	-0.99	-11.43	-1.19	-12.54
-1.08	+11.97	-0.90	+10.97	-0.90	-10.97	-1.08	-11.97
-0.99	+11.43	-0.84	+10.53	-0.84	-10.53	-0.99	-11.43
-0.90	+10.97	-0.77	+10.13	-0.77	-10.13	-0.90	-10.97
-0.84	+10.53	-0.72	+9.77	-0.72	-9.77	-0.84	-10.53



Általános formula:

$$\frac{\partial^2 u}{\partial x \partial z} = f(\sigma' - \sigma) \sin^2 \alpha \log \frac{(x - c_2 \cot \alpha)^2 + c_2^2}{(x - c_1 \cot \alpha)^2 + c_1^2} + f(\sigma' - \sigma) \sin 2\alpha \left\{ \arctan \frac{c_1}{c_1 - x} - \arctan \frac{c_2}{c_2 - x} \right\}$$

$$\frac{\partial^2 u}{\partial x^2} = \frac{1}{2} f(\sigma' - \sigma) \sin^2 \alpha \log \frac{(x - c_2 \cot \alpha)^2 + c_2^2}{(x - c_1 \cot \alpha)^2 + c_1^2} - 2 f(\sigma' - \sigma) \sin^2 \alpha \left\{ \arctan \frac{c_1}{c_1 - x} - \arctan \frac{c_2}{c_2 - x} \right\}$$

Különös eset  $\alpha = 45^\circ$   $c_1 = 1$   $c_2 = 2$

$$\frac{\partial^2 u}{\partial x \partial z} = \frac{1}{2} f(\sigma' - \sigma) \log \frac{(x-2)^2 + 4}{(x-1)^2 + 1} + f(\sigma' - \sigma) \left\{ \arctan \frac{1}{1-x} - \arctan \frac{2}{2-x} \right\}$$

$$\frac{\partial^2 u}{\partial x^2} = \frac{1}{2} f(\sigma' - \sigma) \log \frac{(x-2)^2 + 4}{(x-1)^2 + 1} - f(\sigma' - \sigma) \left\{ \arctan \frac{1}{1-x} - \arctan \frac{2}{2-x} \right\}$$





$$\arctan \frac{2}{2-x}$$

$$\frac{\arctan \frac{1}{1-x} - \arctan \frac{2}{2-x}}{\arctan \frac{1}{1-x}}$$

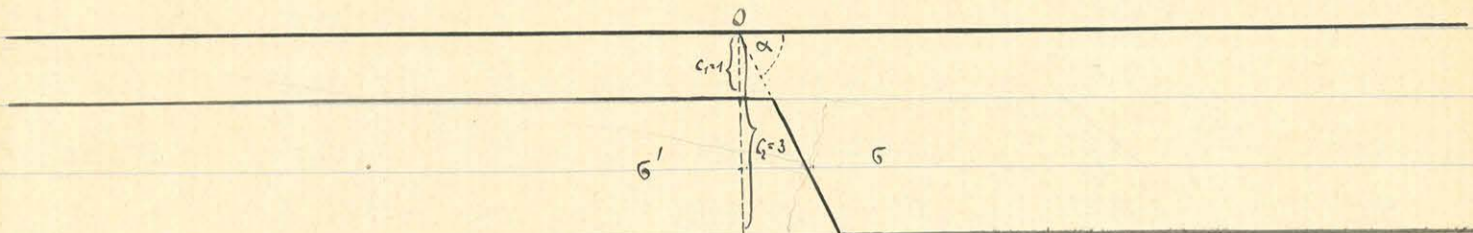
B

A+B

A-B

$$\frac{1}{5^2-5} \frac{d}{dx} \frac{5^x}{2x+2}$$

$$\frac{1}{5^2-5} \frac{d}{dx} \frac{5^x}{2x^2}$$



$$lg \alpha = 2, \quad \alpha = 63^{\circ} 26' 10'' \quad c_1 = 1 \quad c_2 = 3$$

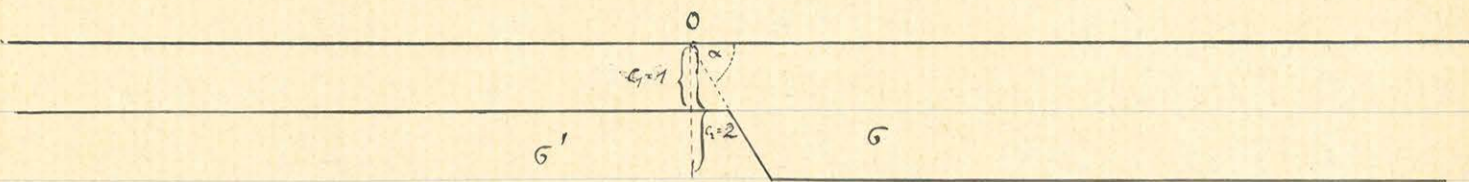
$$10^9 \frac{\partial^2 H}{\partial x^2} = -(\sigma' - \sigma) 122,130 \log (R_1) \frac{(x - \frac{3}{2})^2 + 9}{(x - 0,5)^2 + 1} - (\sigma' - \sigma) 53,04 \left\{ \arctan \frac{1}{0,5 - x} - \arctan \frac{3}{1,5 - x} \right\}$$

$$10^9 \frac{\partial^2 H}{\partial x^2} = -(\sigma' - \sigma) 61,065 \log (R_2) \frac{(x - \frac{3}{2})^2 + 9}{(x - 0,5)^2 + 1} + (\sigma' - \sigma) 106,08 \left\{ \arctan \frac{1}{0,5 - x} - \arctan \frac{2}{1,5 - x} \right\}$$

$x$	$\frac{1}{\sigma' - \sigma} \frac{\partial^2 H}{\partial x^2}$	$\frac{1}{\sigma' - \sigma} \frac{\partial^2 H}{\partial x^2}$
-0,8028	-74,613	<u>-71,982 Minimum</u>
$+\frac{3}{4}$	<u>-142,534 Minimum</u>	-6,306
+2,8028	-67,920	<u>+65,687 Maximum</u>

$x$	$(x-\frac{3}{2})^2+9$	$(x-0.5)^2+1$	$\log_{10} \frac{(x-\frac{3}{2})^2+9}{(x-0.5)^2+1}$	$\log_{10} \frac{(x-\frac{3}{2})^2+9}{(x-0.5)^2+1}$	$\log_{10} \frac{(x-\frac{3}{2})^2+9}{(x-0.5)^2+1}$	$A$ -122.130 $\log_{10} \frac{(x-\frac{3}{2})^2+9}{(x-0.5)^2+1}$	$A'$ -61.065 $\log_{10} \frac{(x-\frac{3}{2})^2+9}{(x-0.5)^2+1}$	$\frac{1}{0.5-x}$	angle $\frac{1}{0.5-x}$
-14	249.25		2.3966	2.3248	+0.0718	-8.769	-4.385		+3° 57'
-13	219.25		2.3409	2.2630	+0.0779	-9.514	-4.757		+4° 14'
-12	191.25		2.2816	2.1966	+0.0850	-10.381	-5.191		+4° 35'
-11	165.25		2.2181	2.1247	+0.0934	-11.407	-5.704		+4° 58'
-10	141.25		2.1500	2.0463	+0.1037	-12.665	-6.333		+5° 27'
-9	119.25		2.0765	1.9602	+0.1163	-14.204	-7.102		+6° 1'
-8	99.25		1.9967	1.8648	+0.1319	-16.109	-8.055		+6° 42'
-7	81.25	$\checkmark$	1.9098	1.7578	+0.1520	-18.564	-9.282		+7° 36'
-6	65.25		1.8146	1.6360	+0.1786	-21.812	-10.906		+8° 45'
-5	51.25	on	1.7097	1.4949	+0.2148	-26.234	-13.117	$\checkmark$	+10° 18'
-4	39.25	with	1.5938	1.3274	+0.2664	-32.535	-16.268		+12° 32'
-3	29.25	with	1.4661	1.1222	+0.3439	-42.001	-21.001	at	+15° 57'
-2	21.25		1.3274	0.8603	+0.4671	-57.047	-28.529		+21° 48'
-1	15.25	to	1.1833	0.5119	+0.6714	-81.998	-40.999	with	+33° 42'
-0.5	13.00	with	1.1139	0.3010	+0.8129	-99.280	-49.640	rolled	+45° 0'
0	11.25		1.0512	0.0969	+0.9543	-116.549	-58.275		+63° 26'
+0.5	10.00		1.0000	0	+1.0000	-122.130	-61.065		+90° 0'
+1	9.25		0.9661	0.0969	+0.8692	-106.155	-53.078		-63° 26'
+1.5	9.00		0.9542	0.3010	+0.6532	-79.775	-39.888		-45° 0'
+2	9.25		0.9661	0.5119	+0.4542	-55.471	-27.736		-33° 42'
+2.5	10.00		1.0000	0.6990	+0.3010	-36.761	-18.381		-26° 34'
+3	11.25		1.0512	0.8603	+0.1909	-23.314	-11.657		-21° 48'
+4	15.25		1.1833	1.1222	+0.0611	-7.462	-3.731		-15° 57'
+5	21.25		1.3274	1.3274	0	0	0		-12° 32'
+6	29.25		1.4661	1.4949	-0.0288	+3.517	+1.759		-10° 18'
+7	39.25		1.5938	1.6360	-0.0422	+5.154	+2.577		-8° 45'
+8	51.25		1.7097	1.7578	-0.0481	+5.874	+2.937		-7° 36'
+9	65.25		1.8146	1.8648	-0.0502	+6.131	+3.066		-6° 42'
+10	81.25		1.9098	1.9602	-0.0504	+6.155	+3.078		-6° 1'
+11	99.25		1.9967	2.0463	-0.0496	+6.058	+3.029		-5° 27'
+12	119.25		2.0765	2.1247	-0.0482	+5.887	+2.944		-4° 58'
+13	141.25		2.1500	2.1966	-0.0466	+5.691	+2.846		-4° 35'
+14	165.25		2.2181	2.2630	-0.0449	+5.484	+2.742		-4° 14'

$\frac{3}{1.5-x}$	$\arctg \frac{3}{1.5-x}$	$\arctg \frac{1}{0.5-x} - \arctg \frac{3}{0.5-x}$		B	B'	A+B =	A'+B' =		
				-53.04	+106.08.				
				$\arctg \frac{1}{0.5-x}$	$\arctg \frac{1}{0.5-x}$	$\frac{1}{0.6} 10^3 \frac{\partial u}{\partial x}$	$\frac{1}{0.6} 10^3 \frac{\partial u}{\partial x}$		
				$-\arctg \frac{3}{1.5-x}$	$-\arctg \frac{3}{1.5-x}$				
7	+0.1935	+10° 57'	-7° 0'	-0.1222	-0.1222	+6.482	-12.963	-2.287	-17.248
1	+0.2070	+11° 42'	-7° 28'	-0.1222	-0.1303	+6.911	-13.822	-2.603	-18.579
5	+0.2223	+12° 32'	-7° 57'	-0.1222	-0.1388	+7.362	-14.724	-3.019	-19.915
8	+0.2400	+13° 30'	-8° 32'	-0.1396	-0.1489	+7.898	-15.795	-3.509	-21.499
	+0.2610	+14° 38'	-9° 11'	-0.1571	-0.1603	+8.503	-17.005	-4.162	-23.338
	+0.2856	+15° 56'	-9° 55'	-0.1571	-0.1731	+9.181	-18.362	-5.023	-25.464
2	+0.3159	+17° 32'	-10° 50'	-0.1745	-0.1890	+10.025	-20.049	-6.084	-28.104
6	+0.3528	+19° 26'	-11° 50'	-0.1920	-0.2065	+10.953	-21.906	-7.611	-31.188
5	+0.4000	+21° 48'	-13° 3'	-0.2269	-0.2278	+12.083	-24.165	-9.729	-35.071
8	+0.4614	+24° 46'	-14° 28'	-0.2443	-0.2524	+13.388	-26.775	-12.846	-39.892
2	+0.5454	+28° 37'	-16° 5'	-0.2793	-0.2808	+14.894	-29.787	-17.641	-46.055
7	+0.6667	+33° 42'	-17° 45'	-0.2967	-0.3098	+16.432	-32.864	-25.569	-53.865
8	+0.8571	+40° 36'	-18° 48'	-0.3142	-0.3282	+17.408	-34.815	-39.639	-63.344
2	+1.2000	+50° 12'	-16° 30'	-0.2793	-0.2880	+15.276	-30.551	-66.722	-71.550
1	+1.5000	+56° 19'	-11° 19'	-0.1920	-0.1975	+10.476	-20.951	-88.804	-70.591
6	+2.0000	+63° 26'	0	0	0	0	0	-116.549	-58.275
0	+3.0000	+71° 34'	+18° 26'	+0.3142	+0.3218	-17.069	+34.137	-139.199	-26.928
6	+6.0000	+80° 32'	+36° 2'	+0.6283	+0.6289	-33.357	+66.714	-139.512	+13.636
0	$\infty$	+90° 0'	+45° 0'	+0.7854	+0.7854	-41.658	+83.315	-121.433	+43.427
2	-6.0000	-80° 32'	+46° 50'	+0.8029	+0.8174	-43.355	+86.710	-98.826	+58.974
4	-3.0000	-71° 34'	+45° 0'	+0.7854	+0.7854	-41.658	+83.315	-78.419	+64.934
8	-2.0000	-63° 26'	+41° 38'	+0.7156	+0.7267	-38.544	+77.088	-61.858	+65.431
7	-1.2000	-50° 12'	+34° 15'	+0.5934	+0.5978	-31.708	+63.415	-39.170	+59.684
2	-0.8571	-40° 36'	+28° 4'	+0.4887	+0.4899	-25.985	+51.969	-25.985	+51.969
8	-0.6667	-33° 42'	+23° 24'	+0.4014	+0.4084	-21.662	+43.323	-18.145	+45.082
5	-0.5454	-28° 37'	+19° 52'	+0.3316	+0.3467	-18.389	+36.778	-13.235	+39.355
6	-0.4614	-24° 46'	+17° 10'	+0.2967	+0.2996	-15.891	+31.782	-10.017	+34.719
2	-0.4000	-21° 48'	+15° 6'	+0.2618	+0.2635	-13.976	+27.952	-7.845	+31.018
1	-0.3528	-19° 26'	+13° 25'	+0.2269	+0.2272	-12.051	+24.104	-5.896	+27.179
7	-0.3159	-17° 32'	+12° 5'	+0.2094	+0.2109	-11.186	+22.372	-5.128	+25.401
8	-0.2856	-15° 56'	+10° 58'	+0.1745	+0.1914	-10.152	+20.304	-4.265	+23.248
5	-0.2610	-14° 38'	+10° 3'	+0.1745	+0.1754	-9.303	+18.606	-3.612	+21.452
4	-0.2400	-13° 30'	+9° 16'	+0.1571	+0.1618	-8.582	+17.164	-3.098	+19.906



2.) Különös eset:

$$\operatorname{tg} \alpha = 2 \quad ; \quad \alpha = 63^\circ 26' 10'' \quad ; \quad c_1 = 1 \quad ; \quad c_2 = 2$$

$$10^9 \frac{\partial^2 U}{\partial x \partial z} = - (G' - G) 122 \cdot 130 \log(B_r) \frac{(x-1)^2 + 4}{(x-0.5)^2 + 1} - (G' - G) 53 \cdot 04 \left\{ \operatorname{arctg} \frac{1}{0.5-x} - \operatorname{arctg} \frac{2}{1-x} \right\}$$

$$10^9 \frac{\partial^3 U}{\partial x^3} = - (G' - G) 61 \cdot 065 \log(B_r) \frac{(x-1)^2 + 4}{(x-0.5)^2 + 1} + (G' - G) 106 \cdot 08 \left\{ \operatorname{arctg} \frac{1}{0.5-x} - \operatorname{arctg} \frac{2}{1-x} \right\}$$

$x$	$\frac{1}{G' - G} \frac{\partial^2 U}{\partial x \partial z}$	$\frac{1}{G' - G} \frac{\partial^3 U}{\partial x^3}$
-0,6867	-46,411	-45,735 Minimum
+ $\frac{2}{3}$	-91,064 Minimum	-1,708
+2,1861	-44,636	+44,022 Maximum

$x$	$(x-1)^2+4$	$(x-0.5)^2+1$	$\log_{10} \frac{(x-1)^2+4}{(x-0.5)^2+1}$	$\log_{10} \frac{(x-0.5)^2+1}{(x-1)^2+4}$	$\log_{10} \frac{(x-1)^2+4}{(x-0.5)^2+1} \times \log_{10} \frac{(x-1)^2+4}{(x-0.5)^2+1}$	$A$ $-122.13x$ $\log_{10} \frac{(x-1)^2+4}{(x-0.5)^2+1}$	$A'$ $-61.065x$ $\log_{10} \frac{(x-0.5)^2+1}{(x-1)^2+4}$	$\frac{1}{0.5-x}$	$\arcsin \frac{1}{0.5-x}$
-14	229	211.25	2.3598	2.3248	+0.0350	-4.275	-2.138	+0.0690	+3° 57'
-13	200	183.25	2.3010	2.2630	+0.0380	-4.641	-2.321	+0.0741	+4° 14'
-12	173	157.25	2.2380	2.1966	+0.0414	-5.056	-2.528	+0.0800	+4° 35'
-11	148	133.25	2.1703	2.1247	+0.0456	-5.569	-2.785	+0.0870	+4° 58'
-10	125	111.25	2.0969	2.0463	+0.0506	-6.180	-3.090	+0.0953	+5° 27'
-9	104	91.25	2.0170	1.9602	+0.0568	-6.937	-3.469	+0.1053	+6° 1'
-8	85	73.25	1.9294	1.8648	+0.0646	-7.890	-3.945	+0.1176	+6° 42'
-7	68	57.25	1.8325	1.7578	+0.0747	-9.123	-4.562	+0.1333	+7° 36'
-6	53	43.25	1.7243	1.6360	+0.0883	-10.784	-5.392	+0.1538	+8° 45'
-5	40	31.25	1.6021	1.4949	+0.1072	-13.092	-6.546	+0.1818	+10° 18'
-4	29	21.25	1.4624	1.3274	+0.1350	-16.488	-8.244	+0.2222	+12° 32'
-3	20	13.25	1.3010	1.1222	+0.1788	-21.837	-10.919	+0.2857	+15° 57'
-2	13	7.25	1.1139	0.8603	+0.2536	-30.972	-15.486	+0.4000	+21° 48'
-1	8	3.25	0.9031	0.5119	+0.3912	-47.777	-23.889	+0.6667	+33° 42'
-0.5	6.25	2.00	0.7959	0.3010	+0.4949	-60.442	-30.221	+1.0000	+45° 0'
0	5	1.25	0.6990	0.0969	+0.6021	-73.534	-36.767	+2.0000	+63° 26'
+0.5	4.25	1.00	0.6284	0	+0.6284	-76.746	-38.373	$\infty$	+90° 0'
+1	4	1.25	0.6021	0.0969	+0.5052	-61.700	-30.850	-2.0000	-63° 26'
+1.5	4.25	2.00	0.6284	0.3010	+0.3274	-39.985	-19.993	-1.0000	-45° 0'
+2	5	3.25	0.6990	0.5119	+0.1971	-24.072	-12.036	-0.6667	-33° 42'
+2.5	6.25	5.00	0.7959	0.6990	+0.0969	-11.834	-5.917	-0.5000	-26° 34'
+3	8	7.25	0.9031	0.8603	+0.0428	-5.227	-2.614	-0.4000	-21° 48'
+4	13	13.25	1.1139	1.1222	-0.0083	+1.014	+0.507	-0.2857	-15° 57'
+5	20	21.25	1.3070	1.3274	-0.0264	+3.224	+1.612	-0.2222	-12° 32'
+6	29	31.25	1.4624	1.4949	-0.0325	+3.969	+1.985	-0.1818	-10° 18'
+7	40	43.25	1.6021	1.6360	-0.0339	+4.140	+2.070	-0.1538	-8° 45'
+8	53	57.25	1.7243	1.7578	-0.0335	+4.091	+2.046	-0.1333	-7° 36'
+9	68	73.25	1.8325	1.8648	-0.0323	+3.945	+1.973	-0.1176	-6° 42'
+10	85	91.25	1.9294	1.9602	-0.0308	+3.762	+1.881	-0.1053	-6° 1'
+11	104	111.25	2.0170	2.0463	-0.0293	+3.578	+1.789	-0.0953	-5° 27'
+12	125	133.25	2.0969	2.1247	-0.0278	+3.395	+1.698	-0.0870	-4° 58'
+13	148	157.25	2.1703	2.1966	-0.0263	+3.212	+1.606	-0.0800	-4° 35'
+14	173	183.25	2.2380	2.2630	-0.0250	+3.053	+1.527	-0.0741	-4° 14'

$\frac{1}{5-x}$	$\frac{2}{1-x}$	$\arctg \frac{2}{1-x}$	$\arctg \frac{1}{0.5-x} - \arctg \frac{2}{1-x}$	$\arctg \frac{1}{0.5-x} - \arctg \frac{2}{1-x}$	$B$ -53.04. ( $\arctg - \arctg$ )	$B'$ +106.08. ( $\arctg - \arctg$ )	$(A+B)$ $\frac{1}{5-6} 10^3 \frac{34}{2522}$	$(A'+B')$ $\frac{1}{5-6} 10^3 \frac{34}{2522}$	
7	+0.1333	+7° 36'	-3° 39'	-0.0524 113	-0.0637	+3.379	-6.757	-0.899	-8.897
4	+0.1428	+8° 8'	-3° 54'	-0.0524 157	-0.0681	+3.612	-7.224	-1.029	-9.545
5	+0.1538	+8° 45'	-4° 10'	-0.0698 29	-0.0727	+3.856	-7.712	-1.200	-10.240
8	+0.1666	+9° 28'	-4° 30'	-0.0698 87	-0.0785	+4.164	-8.327	-1.405	-11.112
2	+0.1818	+10° 18'	-4° 51'	-0.0698 148	-0.0846	+4.487	-8.974	-1.693	-12.064
1	+0.2000	+11° 19'	-5° 18'	-0.0873 52	-0.0925	+4.906	-9.812	-2.031	-13.281
2	+0.2222	+12° 32'	-5° 50'	-0.0873 145	-0.1018	+5.400	-10.799	-2.490	-14.744
6	+0.2500	+14° 2'	-6° 26'	-0.1047 76	-0.1123	+5.957	-11.913	-3.166	-16.475
5	+0.2858	+15° 57'	-7° 12'	-0.1222 35	-0.1257	+6.667	-13.334	-4.117	-18.726
8	+0.3333	+18° 26'	-8° 8'	-0.1396 23	-0.1419	+7.527	-15.053	-5.565	-21.599
2	+0.4000	+21° 48'	-9° 16'	-0.1571 47	-0.1618	+8.582	-17.164	-7.906	-25.408
7	+0.5000	+26° 34'	-10° 37'	-0.1745 108	-0.1853	+9.829	-19.657	-12.008	-30.576
8	+0.6667	+33° 42'	-11° 54'	-0.1920 157	-0.2077	+11.017	-22.033	-19.955	-37.519
2	+1.0000	+45° 0'	-11° 18'	-0.1920 52	-0.1972	+10.460	-20.919	-37.317	-44.808
1	+1.3333	+53° 8'	-8° 8'	-0.1396 23	-0.1419	+7.527	-15.053	-52.915	-45.274
6	+2.0000	+63° 26'	0	0	0	0	0	-73.534	-36.767
0	+4.0000	+75° 58'	+14° 2'	+0.2443 6	+0.2449	-12.990	+25.979	-89.736	-12.394
6	$\infty$	+90° 0'	+26° 34'	+0.4538 99	+0.4637	-24.545	+49.189	-86.245	+18.339
0	-4.0000	-75° 58'	+30° 58'	+0.5236 169	+0.5405	-28.668	+57.336	-68.653	+37.343
2	-2.0000	-63° 26'	+29° 44'	+0.5061 128	+0.5189	-27.523	+55.045	-51.595	+43.007
4	-1.3333	-53° 8'	+26° 34'	+0.4538 99	+0.4637	-24.595	+49.189	-36.429	+43.272
8	-1.0000	-45° 0'	+23° 12'	+0.4014 35	+0.4049	-21.476	+42.952	-26.703	+40.338
7	-0.6667	-33° 42'	+17° 45'	+0.2967 131	+0.3098	-16.432	+32.864	-15.418	+33.371
2	-0.5000	-26° 34'	+14° 2'	+0.2443 6	+0.2449	-12.990	+25.979	-9.766	+27.591
8	-0.4000	-21° 48'	+11° 30'	+0.1920 87	+0.2007	-10.645	+21.290	-6.676	+23.275
1	-0.3333	-18° 26'	+9° 41'	+0.1571 119	+0.1690	-8.964	+17.928	-4.824	+19.998
1	-0.2858	-15° 57'	+8° 21'	+0.1396 61	+0.1457	-7.728	+15.456	-3.637	+17.502
2	-0.2500	-14° 2'	+7° 20'	+0.1222 58	+0.1280	-6.789	+13.578	-2.844	+15.551
1	-0.2222	-12° 32'	+6° 31'	+0.1047 90	+0.1137	-6.036	+12.061	-2.274	+13.942
7	-0.2000	-11° 19'	+5° 52'	+0.0873 151	+0.1024	-5.432	+10.863	-1.854	+12.652
8	-0.1818	-10° 18'	+5° 20'	+0.0873 58	+0.0931	-4.938	+9.876	-1.543	+11.574
5	-0.1666	-9° 28'	+4° 53'	+0.0698 154	+0.0852	-4.519	+9.038	-1.307	+10.644
1	-0.1538	-8° 45'	+4° 31'	+0.0698 90	+0.0788	-4.180	+8.359	-1.127	+9.886

A B

X								
+20	365	400	2.5623	2.6027	-0.0398	+4.861	+2.431	-0.0526
+25	580	625	2.7634	2.7959	-0.0325	+3.969	+1.985	-0.0417
+30	845	900	2.9269	2.9542	-0.0273	+3.334	+1.667	-0.0345

+8 153.228

X	$10^9 \times \frac{\partial^4}{\partial x^2}$	$+305,325 \log((1-x)^4)$	-213.406	$\frac{10^9}{0.6} \int_0^x \frac{\partial^4}{\partial x^2} dx$	$10^9 \int_0^x \frac{\partial^4}{\partial x^2} dx$			
+20	+270.760	+782.334		+839.688	+218.319	+65.091		
+25	+270.275	+843.735		+900.604	+234.157	+80.929		
+30	+269.610	+893.656		+949.860	+246.963	+93.735		

-25	576.04	625	2.7605	2.7959	-0.0354	+0.208	+1.039	+120
							206.480	

X	$\frac{10^9}{0.6} \times \frac{\partial^4}{\partial x^2}$	$+30,532 \log((1+x)^{4\frac{1}{2}})$	-0.520	$\frac{10^9}{0.6} \int_0^x \frac{\partial^4}{\partial x^2} dx$	$10^9 \int_0^x \frac{\partial^4}{\partial x^2} dx$			
-25	+27.050	+84.284	-0.520	+110.814	288.116	+81.636		



B

B'

$\frac{10^9 \delta u}{6 \cdot 6 \cdot 7 \times 10^7}$

$\frac{10^9 \delta u}{6 \cdot 6 \cdot 7 \times 10^7}$

-0.1052	-6° 0'	-0.1047 0	-0.1047	-5.554	+11.107	-0.693	+13.538
-0.0834	-4° 46'	-0.0698 134	-0.0832	-4.413	+8.826	-0.444	+10.811
-0.0690	-3° 57'	-0.0524 166	-0.0690	-3.660	+7.320	-0.326	+8.987

+0.0083	+0° 29'	+0.0084	+0.0084	+0.214	-0.043	-0.006	-1.082
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Max. min. vegyes.

MAGYAR  
TUDOMÁNYOS AKADÉMIA  
KÖNYVTÁRA

						A	A'		
-0,6861	6,8429	2,4068	0,8352	0,3874	+0,4538	-55,423	-27,712	+0,8431	+40°8'
+0 <sup>2</sup> / <sub>3</sub>	4,1111	1,0278	0,6146	0,0119	+0,6021	-73,534	-36,767	-6,000	-80°32'
+2,1861	5,4068	3,8429	0,7329	0,5847	+0,1482	-18,100	-9,050	-0,5931	-30°40'
-0,8028	14,3029	2,6973	1,1554	0,4309	+0,7245	-88,483	-44,242	+0,7676	+37°31'
+ <sup>3</sup> / <sub>4</sub>	9,5625	1,0625	0,9806	0,0263	+0,9543	-116,549	-58,275	-4,0000	-75°58'
+2,8028	10,6973	6,3029	1,0293	0,7995	+0,2298	-28,065	-14,033	-0,4343	-23°29'
-1,0833	0,0469	1,1735	0,6712-2	<del>0,0695</del>	<del>-1,3983</del> <del>-2,6017</del>	+8,211 +15,277	+41,054 +76,326	-	+0,4165
-0,52	0,2704	0,2704	-	-	0	0	0	-	-2,4
								$\frac{1}{0,5-x}$	
-26	76525	70325	2,8838	2,8471	+0,0367	-4,482	-2,241	+0,0377	+2°10'
-20	47125	42125	2,6751 <sup>33</sup>	2,6245	+0,0506 <sup>489</sup>	-5,960 <del>-6,180</del>	-2,980 <del>-3,090</del>	+0,0488	+2°48'
-2,8028	27,5141	11,9085	1,4396	1,0759	+0,3637	-44,419	-22,210	+0,3028	+16°51'
-2,5	25	10	1,3979	1,0000	+0,3979	-48,596	-24,298	+0,3333	+18°26'
-1,5	18	5	1,2553	0,6990	+0,5563	-67,941	-33,971	+0,5000	+26°34'
-0,75	14,0625	2,5625	1,1481	0,4087	+0,7394	-90,303	-45,152	+0,8000	+38°40'
+0,8028	9,4861	1,0917	0,9771	0,6381	+0,9390	-114,680	-57,340	-3,3025	+106°51'
+20	351,25	381,25	2,5456	2,5812	-0,0356	+4,948	+2,174	-0,0513	+177°4'
+26	609,25	651,25	2,7848	2,8138	-0,0290	+3,542	+1,771	-0,0392	+177°45'
-0,3686	12,4917	0,3976	1,0966	0,5994-1	+1,4972	-182,853	-91,427	+0,6227	+31°55'
+2,0352	9,2864	3,5650	0,9678	0,5521	+0,4157	-50,769	-25,385	-0,1784	-10°7'
-0,1469	11,7123	0,0533	1,0686	0,7267-2	+2,3419	-286,016	-143,008	+0,5487	28°45'
+1,7024	9,0410	2,7243	0,9562	0,4353	+0,5209	-63,618	-31,809	-0,0675	-3°52'
-0,2307	6,6108	0,1494	0,8203	0,1743-1	+1,6469	-201,026	-100,513	+0,6048	+31°10'
+1,1207	4,9494	1,8108	0,6946	0,2579	+0,4367	-53,334	-26,667	-0,1503	-8°33'

					B	B'	A+B	A'+B'	
	+1,1862	+49°52'	-9°44'	-0,1571 128	-0,1699	+9,012	-18,023	-46,411	-45,735
	+6,0000	+80°32'	+18°56'	+0,3142 163	+0,3305	-17,530	+35,059	-91,064	-1,708
	-1,6862	-59°20'	+28°40'	+0,4887 116	+0,5003	-26,536	+53,072	-44,636	+44,022
	+1,3029	+52°30'	-14°59'	-0,2443 172	-0,2615	+13,870	-27,740	-74,613	-71,982
	+4,0000	+75°58'	+28°4'	+0,4887 12	+0,4899	-25,985	+51,969	-142,534	-6,306
	-2,3028	-66°32'	+43°3'	+0,7505 9	+0,7514	-39,855	+79,709	-67,920	+65,687
	+2,4010	+67°23'	-	1,1694 67	+1,1761	+29,991	-5,998	+38,202 <del>+45,262</del>	+35,056 <del>+70,388</del>
	-0,4167	+157°23'	-	2,7402 67	+2,7469	+70,046	-14,009	+70,046	-14,009
	+0,1092	+6°14'	-4°4'	-0,0698 12	-0,0710	+3,766	-7,532	-0,716	-9,773
	+0,1395	+7°57'	-5°9'	-0,0873 26	-0,0899	+4,769	-9,537	-1,191 <del>-4,411</del>	-12,537 <del>-12,627</del>
	+0,6972	+34°53'	-18°2'	-0,3142 6	-0,3148	+16,697	-33,394	-27,722	-55,604
	+0,7500	+36°52'	-18°26'	-0,3142 76	-0,3218	+17,069	-34,137	-31,527	-58,435
	+1,0000	+45°0'	-18°26'	-0,3142 76	-0,3218	+17,069	-34,137	-50,872	-68,108
	+1,3333	+55°8'	-14°28'	-0,2443 84	-0,2524	+13,388	-26,775	-76,915	-71,927
	+4,3039	+76°55'	+29°56'	+0,5061 163	+0,5224	<del>27,708</del>	+55,416	<del>142,388</del> <del>-86,972</del>	-1,824
	-0,1623	170°47'	+6°17'	+0,1017 49	+0,1096	<del>5,813</del>	+11,626	-1,465 <del>+10,161</del>	+13,800
	-0,1224	173°1'	+4°44'	+0,0698 128	+0,0826	<del>4,381</del>	+8,762	-0,839 <del>+7,923</del>	+10,533
	+1,6055	+58°5'	-26°10'	-0,4578 29	-0,4567	+24,224	-48,447	-158,629	-139,874
	-5,6054	-79°53'	+69°46'	+1,2043 134	+1,2177	-64,587	+129,174	-115,356	+103,789
	+1,8216	+61°14'	-32°29'	-0,5585 84	-0,5669	+30,668	-60,137	-255,948	-203,145
	-14,8221	-86°9'	+82°17'	+1,4312 49	+1,4361	<del>76,171</del>	+152,341	-139,789	+120,532
	+1,6533	+58°50'	-27°40'	-0,4712 116	-0,4828	+25,608	-51,215	-175,418	-151,728
	-6,6526	-81°27'	+72°54'	+1,2566 157	+1,2723	-67,483	+134,966	-120,817	+108,299

X	X <sup>2</sup>						A	B
		$\log_{10}(1+x)$	$\log_{10}(4+x^2)$	$\log_{10}(9+x^2)$	$\log_{10} \frac{4+x^2}{1+x}$	$\log_{10} \frac{9+x^2}{4+x^2}$	$\frac{1}{2} \log_{10} \frac{4+x^2}{1+x}$	$\frac{1}{2} \log_{10} \frac{9+x^2}{4+x^2}$
0	0	0	0,60206	0,95424	0,60206	0,35218	0,69315	0,40546
0,5	0,25	0,09691	0,62879	0,96614	0,53148	0,33775	0,61189	0,38885
1	1	0,30103	0,69897	1,00000	0,39794	0,30103	0,45815	0,34657
1,5	2,25	0,51188	0,79588	1,05715	0,28400	0,25527	0,32697	0,29389
2	4	0,69897	0,90309	1,11394	0,20412	0,21085	0,23500	0,24275
2,5	6,25	0,86024	1,01072	1,18327	0,15038	0,17255	0,17313	0,19866
3	9	1,00000	1,11394	1,25527	0,11394	0,14133	0,13118	0,16271
3,5	12,25	1,12222	1,21085	1,32726	0,08863	0,11651	0,10204	0,13414
4	16,0	1,23045	1,30103	1,39794	0,07058	0,09691	0,08126	0,11157
4,5	20,25	1,32726	1,38472	1,46613	0,05746	0,08141	0,06615	0,09373
5	25	1,49497	1,46240	1,53148	0,04743	0,06908	0,05461	0,07953
6	36	1,56820	1,60206	1,65221	0,03386	0,05115	0,03898	0,05889
7	49	1,69897	1,72428	1,76343	0,02531	0,03915	0,02914	0,04507
8	64	1,81291	1,83251	1,86332	0,01960	0,03081	0,02257	0,03547
9	81	1,91381	1,92942	1,95424	0,01561	0,02482	0,01797	0,02858
10	100	2,00432	2,01703	2,03743	0,01271	0,02040	0,01463	0,02349

A-B.	$\frac{1}{x}$	$\frac{2}{x}$	$\frac{3}{x}$	$\arcsin \frac{1}{x}$	$\arcsin \frac{2}{x}$	$\arcsin \frac{3}{x}$	$2 \arcsin \frac{1}{x} - \arcsin \frac{3}{x}$	
0.28769	$\infty$	$\infty$	$\infty$	90	90	90	0	0
0.22304	2	4	6	63° 25'	75° 58'	80° 32'	7° 59'	0,1294
0.11158	1	2	3	45°	63° 25'	71° 38'	10° 12'	0,1780
0.03308	0,666	1,333	2	33° 40'	53° 10'	63° 25'	9° 15'	0,1615
-0.00775	0,5	1,0	1,5	36° 40'	45°	56° 20'	7° 0'	0,1222
-0.02553	0,4	0,8	1,2	21° 50'	38° 40'	50° 13'	5° 17'	<del>0,0922</del> 0,0922 +
-0.03153	0,333	0,666	1,0	18° 25'	33° 40'	45°	3° 55'	0,0684
-0.03210	0,286	0,572	0,858	16° 0'	29° 48'	40° 37'	2° 59'	0,0521
-0.03031	0,25	0,50	0,75	14° 2'	26° 40'	36° 53'	2° 25'	0,0422
-0.02758	0,222	0,444	0,666	12° 30'	23° 57'	33° 40'	1° 44'	0,0303
-0.02492	0,2	0,4	0,6	11° 20'	21° 50'	31° 0'	1° 20'	0,0222
-0.01991	0,1666	0,3333	0,5	9° 25'	18° 25'	26° 40'	45'	0,0131
-0.01593	0,1428	0,2856	0,4284	8° 7'	16° 0'	23° 10'	43'	0,0125
-0.01290	0,125	0,25	0,375	7° 10'	14° 2'	20° 33'	21'	0,0061
-0.01061	0,1111	0,2222	0,3333	6° 20'	12° 30'	18° 25'	15'	0,0044
-0.00886	0,1000	0,2000	0,3000	5° 43'	11° 20'	16° 41'	16'	0,0046