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Theoretische Astronomie

Klinkerfues, Wilhelm

Braunschweig, 1912

Anhang. Hülfs-Tafeln

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ANHANG.

HÜLFS-TAFELN.

Von den nachfolgenden HÜLFS-TAFELN sind nach erfolgter Verständigung entnommen worden:

Tafel I, IV, V, VI, VII, VIII, X

aus „Watson's Theoretical Astronomy" published by J. B. Lippincott Company, Philadelphia u. London 1868.

Tafel II, IIa, III, IIIa

aus „Albrecht, Formeln und Hülfstafeln für geographische Ortsbestimmungen". 2. Auflage. Leipzig 1879, W. Engelmann.

Tafel XII, XIII

aus „Gauss, Theoria motus corporum coelestium in sectionibus conicis solem ambientium" Hamburg 1809, wieder abgedruckt u. herausgegeb. von E. J. Schering. Gotha 1871, Friedr. Andr. Perthes.

Tafel XIV, XV aus „Oppolzer's Lehrbuch zur Bahnbestimmung der Kometen und Planeten". II. Bd. Leipzig, Verlag von W. Engelmann.

Tafel XVII

aus „Berliner Astronomisches Jahrbuch für 1858". Berlin 1855, Ferd. Dümmler's Verlagsbuchhandlung.

Tafel XVIII

aus „Bremiker's Logarithmisch-Trigonometrische Tafeln mit fünf Decimalstellen". Berlin 1872, Weidmann'sche Buchhandlung.

Tafel XIX ist aus der ersten Auflage übernommen worden; Tafel IX, IXa und XX wurde bereits für die zweite Auflage neu entworfen; Tafel XI und XVI wurde für die 3. Ausgabe neu entworfen.

Zu Tafel: VI, VII, VIII, IX und IXa, X, XI, XII und XIII, XIV und XV, XVI, XVII, XVIII, vergleiche man bezüglich Seite: 42, 43, 44, 52, 278, 281, 405, 453, 471 und 473, 570, 737. Die vor der allgemeinen Constantentafel XX gegebene Tafel XIX der Gauss'schen Constanten für die nicht identischen Cometenbahnen gehört zu Seite 317.

Tafel I.

Geocentrische Breite und Logarithmus des Erd-Radius.

Argument φ = Geographische Breite. Abplattung = $\frac{1}{299.15}$.

φ	$\varphi - \varphi'$	Diff.	log ϱ	Diff.	φ	$\varphi - \varphi'$	Diff.	log ϱ	Diff.
° ′	′ ″	″			° ′	′ ″	″		
0 0	0 0.00		0.000 0000		35 0	10 48.25		9.999 5248	
		24.02		4			1.38		40
1 0	0 24.02	24.00	9.999 9996	14	10	49.63	1.35	5208	39
2 0	0 48.02	23.93	9982	21	20	50.98	1.33	5169	40
3 0	1 11.95	23.85	9961	31	30	52.31	1.31	5129	40
4 0	1 35.80	23.74	9930	39	40	53.62	1.28	5089	40
5 0	1 59.54	23.58	9891	48	50	54.90	1.26	5049	40
6 0	2 23.12		9.999 9843		36 0	10 56.16		9.999 5009	
		23.42		57			1.25		40
7 0	2 46.54	23.22	9786	65	10	57.41	1.22	4969	40
8 0	3 9.76	22.98	9721	73	20	58.63	1.19	4929	41
9 0	3 32.74	22.73	9648	82	30	10 59.82	1.18	4888	40
10 0	3 55.47	22.45	9566	90	40	11 1.00	1.15	4848	41
11 0	4 17.92	22.14	9476	99	50	2.15	1.13	4807	40
12 0	4 40.06		9.999 9377		37 0	11 3.28		9.999 4767	
		21.79		106			1.11		41
13 0	5 1.85	21.43	9271	114	10	4.39	1.08	4726	40
14 0	5 23.28	21.05	9157	122	20	5.47	1.07	4686	41
15 0	5 44.33	20.62	9035	130	30	6.54	1.04	4645	41
16 0	6 4.95	20.19	8905	137	40	7.58	1.01	4604	41
17 0	6 25.14	19.72	8768	144	50	8.59	1.00	4563	41
18 0	6 44.86		9.999 8624		38 0	11 9.59		9.999 4522	
		19.23		152			0.97		41
19 0	7 4.09	18.71	8472	158	10	10.56	0.95	4481	41
20 0	7 22.80	18.19	8314	165	20	11.51	0.93	4440	41
21 0	7 40.99	17.62	8149	172	30	12.44	0.90	4399	41
22 0	7 58.61	17.05	7977	178	40	13.34	0.88	4358	41
23 0	8 15.66	16.44	7799	185	50	14.22	0.86	4317	41
24 0	8 32.10		9.999 7614		39 0	11 15.08		9.999 4276	
		15.83		190			0.84		42
25 0	8 47.93	15.19	7424	196	10	15.92	0.81	4234	41
26 0	9 3.12	14.53	7228	201	20	16.73	0.79	4193	41
27 0	9 17.65	13.85	7027	207	30	17.52	0.77	4152	42
28 0	9 31.50	13.16	6820	212	40	18.29	0.75	4110	41
29 0	9 44.66	12.46	6608	216	50	19.04	0.72	4069	42
30 0	9 57.12		9.999 6392		40 0	11 19.76		9.999 4027	
		2.00		37			0.70		42
10	9 59.12	1.99	6355	36	10	20.46	0.67	3985	41
20	10 1.11	1.96	6319	37	20	21.13	0.66	3944	42
30	3.07	1.95	6282	37	30	21.79	0.63	3902	42
40	5.02	1.92	6245	37	40	22.42	0.60	3860	41
50	6.94	1.91	6208	37	50	23.02	0.59	3819	42
31 0	10 8.85		9.999 6171		41 0	11 23.61		9.999 3777	
		1.88		37			0.56		42
10	10.73	1.86	6134	38	10	24.17	0.53	3735	42
20	12.59	1.85	6096	37	20	24.70	0.52	3693	42
30	14.44	1.82	6059	38	30	25.22	0.49	3651	42
40	16.26	1.80	6021	37	40	25.71	0.47	3609	42
50	18.06	1.78	5984	38	50	26.18	0.44	3567	42
32 0	10 19.84		9.999 5946		42 0	11 26.62		9.999 3525	
		1.76		38			0.42		42
10	21.60	1.74	5908	38	10	27.04	0.40	3483	42
20	23.34	1.71	5870	38	20	27.44	0.38	3441	42
30	25.05	1.70	5832	38	30	27.82	0.35	3399	42
40	26.75	1.68	5794	39	40	28.17	0.33	3357	42
50	28.43	1.65	5755	38	50	28.50	0.30	3315	42
33 0	10 30.08		9.999 5717		43 0	11 28.80		9.999 3273	
		1.63		39			0.28		43
10	31.71	1.61	5678	38	10	29.08	0.26	3230	42
20	33.32	1.59	5640	39	20	29.34	0.24	3188	42
30	34.91	1.57	5601	39	30	29.58	0.21	3146	42
40	36.48	1.55	5562	39	40	29.79	0.19	3104	42
50	38.03	1.52	5523	39	50	29.98	0.16	3062	43
34 0	10 39.55		9.999 5484		44 0	11 30.14		9.999 3019	
		1.51		39			0.15		42
10	41.06	1.48	5445	39	10	30.29	0.12	2977	42
20	42.54	1.46	5406	39	20	30.41	0.09	2935	43
30	44.00	1.44	5367	40	30	30.50	0.07	2892	42
40	45.44	1.42	5327	39	40	30.57	0.05	2850	42
50	46.86	1.39	5288	40	50	30.62	0.03	2808	42
35 0	10 48.25		9.999 5248		45 0	11 30.65		9.999 2766	

Tafel I.

Geocentrische Breite und Logarithmus des Erd-Radius.

Argument φ = Geographische Breite. Abplattung = $\frac{1}{299.15}$.

φ	$\varphi - \varphi'$	Diff.	log ϱ	Diff.	φ	$\varphi - \varphi'$	Diff.	log ϱ	Diff.
° ′	′ ″	″			° ′	′ ″	″		
45 0	11 30.65		9.999 2766		55 0	10 49.74		9.999 0275	
		0.00		43			1.38		40
10	30.65	0.02	2723	42	10	48.36	1.39	0235	40
20	30.63	0.05	2681	42	20	46.97	1.42	0195	40
30	30.58	0.07	2639	43	30	45.55	1.44	0155	39
40	30.51	0.09	2596	42	40	44.11	1.46	0116	40
50	30.42	0.11	2554	42	50	42.65	1.49	0076	39
46 0	11 30.31		9.999 2512		56 0	10 41.16		9.999 0037	
		0.14		42			1.51		39
10	30.17	0.16	2470	43	10	39.65	1.52	9.998 9998	40
20	30.01	0.19	2427	42	20	38.13	1.55	9958	39
30	29.82	0.21	2385	42	30	36.58	1.57	9919	39
40	29.61	0.23	2343	43	40	35.01	1.60	9880	39
50	29.38	0.26	2300	42	50	33.41	1.61	9841	39
47 0	11 29.12		9.999 2258		57 0	10 31.80		9.998 9802	
		0.27		42			1.64		38
10	28.85	0.31	2216	42	10	30.16	1.66	9764	39
20	28.54	0.32	2174	42	20	28.50	1.67	9725	39
30	28.22	0.35	2132	42	30	26.83	1.70	9686	39
40	27.87	0.37	2089	43	40	25.13	1.73	9648	38
50	27.50	0.40	2047	42	50	23.40	1.74	9610	38
48 0	11 27.10		9.999 2005	42	58 0	10 21.66	1.76	9.998 9571	39
10	26.69	0.41	1963	42	10	19.90	1.79	9533	38
20	26.24	0.45	1921	42	20	18.11	1.80	9495	38
30	25.78	0.46	1879	42	30	16.31	1.83	9457	38
40	25.29	0.49	1837	42	40	14.48	1.85	9419	38
50	24.78	0.51	1795	42	50	12.63	1.86	9382	37
49 0	11 24.24	0.54	9.999 1753	42	59 0	10 10.77	1.89	9.998 9344	38
10	23.69	0.55	1711	42	10	8.88	1.91	9307	37
20	23.11	0.58	1669	42	20	6.97	1.93	9269	38
30	22.50	0.61	1627	41	30	5.04	1.96	9232	37
40	21.87	0.63	1586	42	40	3.08	1.97	9195	37
50	21.22	0.65	1544	42	50	10 1.11	1.99	9158	37
50 0	11 20.55	0.67	9.999 1502	42	60 0	9 59.12	12.38	9.998 9121	37
10	19.85	0.70	1460	41	61 0	9 46.74	13.09	8902	219
20	19.13	0.72	1419	42	62 0	9 33.65	13.80	8688	214
30	18.39	0.74	1377	42	63 0	9 19.85	14.49	8479	209
40	17.63	0.76	1335	41	64 0	9 5.36	15.15	8275	204
50	16.84	0.79	1294	42	65 0	8 50.21	15.81	8077	198
51 0	11 16.02	0.82	9.999 1252	41	66 0	8 34.40	16.43	9.998 7884	193
10	15.19	0.83	1211	41	67 0	8 17.97	17.05	7697	187
20	14.33	0.86	1170	42	68 0	8 0.92	17.63	7517	180
30	13.45	0.88	1128	41	69 0	7 43.29	18.21	7342	175
40	12.55	0.90	1087	41	70 0	7 25.08	18.75	7174	168
50	11.62	0.93	1046	41	71 0	7 6.33	19.27	7013	161
52 0	11 10.67	0.95	9.999 1005	42	72 0	6 47.06	19.78	9.998 6859	154
10	9.70	0.97	0963	41	73 0	6 27.28	20.25	6713	146
20	8.71	0.99	0922	41	74 0	6 7.03	20.70	6573	140
30	7.69	1.02	0881	41	75 0	5 46.33	21.13	6441	132
40	6.66	1.03	0840	40	76 0	5 25.20	21.53	6317	124
50	5.60	1.06	0800	41	77 0	5 3.67	21.90	6201	116
53 0	11 4.51	1.09	9.999 0759	41	78 0	4 41.77	22.24	9.998 6093	108
10	3.40	1.11	0718	41	79 0	4 19.53	22.57	5993	100
20	2.27	1.13	0677	40	80 0	3 56.96	22.86	5901	92
30	11 1.12	1.15	0637	41	81 0	3 34.10	23.12	5818	83
40	10 59.94	1.18	0596	40	82 0	3 10.98	23.35	5743	75
50	58.74	1.20	0556	41	83 0	2 47.63	23.56	5676	67
54 0	10 57.52	1.22	9.999 0515	40	84 0	2 24.07	23.74	9.998 5619	57
10	56.28	1.24	0475	40	85 0	2 0.33	23.89	5570	49
20	55.02	1.26	0435	40	86 0	1 36.44	24.01	5530	40
30	53.73	1.29	0395	40	87 0	1 12.43	24.09	5498	32
40	52.42	1.31	0355	40	88 0	0 48.34	24.16	5476	22
50	51.09	1.33	0315	40	89 0	0 24.18	24.18	5463	13
55 0	10 49.74	1.35	9.999 0275		90 0	0 0.00		9.998 5458	5

Tafel II.

Verwandlung der Mittleren Zeit in Sternzeit.

	0m	1m	2m	3m				
0s	0h 0m 0s	6h 5m 15s	12h 10m 29s	18h 15m 44s				
1	0 6 5	6 11 20	12 16 34	18 21 49				
2	0 12 10	6 17 25	12 22 40	18 27 54				
3	0 18 16	6 23 30	12 28 45	18 33 59				
4	0 24 21	6 29 36	12 34 50	18 40 5				
5	0 30 26	6 35 41	12 40 55	18 46 10	0s.00	0m 0s	0s.50	3m 3s
6	0 36 31	6 41 46	12 47 1	18 52 15	0.01	0 4	0.51	3 6
7	0 42 37	6 47 51	12 53 6	18 58 20	0.02	0 7	0.52	3 10
8	0 48 42	6 53 56	12 59 11	19 4 26	0.03	0 11	0.53	3 14
9	0 54 47	7 0 2	13 5 16	19 10 31	0.04	0 15	0.54	3 17
10	1 0 52	7 6 7	13 11 21	19 16 36	0.05	0 18	0.55	3 21
11	1 6 58	7 12 12	13 17 27	19 22 41	0.06	0 22	0.56	3 25
12	1 13 3	7 18 17	13 23 32	19 28 47	0.07	0 26	0.57	3 28
13	1 19 8	7 24 23	13 29 37	19 34 52	0.08	0 29	0.58	3 32
14	1 25 13	7 30 28	13 35 42	19 40 57	0.09	0 33	0.59	3 35
15	1 31 19	7 36 33	13 41 48	19 47 2	0.10	0 37	0.60	3 39
16	1 37 24	7 42 38	13 47 53	19 53 7	0.11	0 40	0.61	3 43
17	1 43 29	7 48 44	13 53 58	19 59 13	0.12	0 44	0.62	3 46
18	1 49 34	7 54 49	14 0 3	20 5 18	0.13	0 47	0.63	3 50
19	1 55 40	8 0 54	14 6 9	20 11 23	0.14	0 51	0.64	3 54
20	2 1 45	8 6 59	14 12 14	20 17 28	0.15	0 55	0.65	3 57
21	2 7 50	8 13 5	14 18 19	20 23 34	0.16	0 58	0.66	4 1
22	2 13 55	8 19 10	14 24 24	20 29 39	0.17	1 2	0.67	4 5
23	2 20 1	8 25 15	14 30 30	20 35 44	0.18	1 6	0.68	4 8
24	2 26 6	8 31 20	14 36 35	20 41 49	0.19	1 9	0.69	4 12
25	2 32 11	8 37 26	14 42 40	20 47 55	0.20	1 13	0.70	4 16
26	2 38 16	8 43 31	14 48 45	20 54 0	0.21	1 17	0.71	4 19
27	2 44 22	8 49 36	14 54 51	21 0 5	0.22	1 20	0.72	4 23
28	2 50 27	8 55 41	15 0 56	21 6 10	0.23	1 24	0.73	4 27
29	2 56 32	9 1 47	15 7 1	21 12 16	0.24	1 28	0.74	4 30
30	3 2 37	9 7 52	15 13 6	21 18 21	0.25	1 31	0.75	4 34
31	3 8 43	9 13 57	15 19 12	21 24 26	0.26	1 35	0.76	4 38
32	3 14 48	9 20 2	15 25 17	21 30 31	0.27	1 39	0.77	4 41
33	3 20 53	9 26 8	15 31 22	21 36 37	0.28	1 42	0.78	4 45
34	3 26 58	9 32 13	15 37 27	21 42 42	0.29	1 46	0.79	4 49
35	3 33 3	9 38 18	15 43 33	21 48 47	0.30	1 50	0.80	4 52
36	3 39 9	9 44 23	15 49 38	21 54 52	0.31	1 53	0.81	4 56
37	3 45 14	9 50 28	15 55 43	22 0 58	0.32	1 57	0.82	4 59
38	3 51 19	9 56 34	16 1 48	22 7 3	0.33	2 1	0.83	5 3
39	3 57 24	10 2 39	16 7 54	22 13 8	0.34	2 4	0.84	5 7
40	4 3 30	10 8 44	16 13 59	22 19 13	0.35	2 8	0.85	5 10
41	4 9 35	10 14 49	16 20 4	22 25 19	0.36	2 11	0.86	5 14
42	4 15 40	10 20 55	16 26 9	22 31 24	0.37	2 15	0.87	5 18
43	4 21 45	10 27 0	16 32 14	22 37 29	0.38	2 19	0.88	5 21
44	4 27 51	10 33 5	16 38 20	22 43 34	0.39	2 22	0.89	5 25
45	4 33 56	10 39 10	16 44 25	22 49 39	0.40	2 26	0.90	5 29
46	4 40 1	10 45 16	16 50 30	22 55 45	0.41	2 30	0.91	5 32
47	4 46 6	10 51 21	16 56 35	23 1 50	0.42	2 33	0.92	5 36
48	4 52 12	10 57 26	17 2 41	23 7 55	0.43	2 37	0.93	5 40
49	4 58 17	11 3 31	17 8 46	23 14 0	0.44	2 41	0.94	5 43
50	5 4 22	11 9 37	17 14 51	23 20 6	0.45	2 44	0.95	5 47
51	5 10 27	11 15 42	17 20 56	23 26 11	0.46	2 48	0.96	5 51
52	5 16 33	11 21 47	17 27 2	23 32 16	0.47	2 52	0.97	5 54
53	5 22 38	11 27 52	17 33 7	23 38 21	0.48	2 55	0.98	5 58
54	5 28 43	11 33 58	17 39 12	23 44 27	0.49	2 59	0.99	6 2
55	5 34 48	11 40 3	17 45 17	23 50 32	0.50	3 3	1.00	6 5
56	5 40 54	11 46 8	17 51 23	23 56 37				
57	5 46 59	11 52 13	17 57 28	24 2 42				
58	5 53 4	11 58 19	18 3 33	24 8 48				
59	5 59 9	12 4 24	18 9 38	24 14 53				
60	6 5 15	12 10 29	18 15 44	24 20 58				

Tafel IIa.

Verwandlung der Mittleren Zeit in Sternzeit.

Mittlere Zeit	Reduction	Mittlere Zeit	Reduction	Mittlere Zeit	Reduction
		0^m	$+0^s.000$	0^s	$+0^s.000$
		1	0.164	1	0.003
		2	0.329	2	0.005
		3	0.493	3	0.008
		4	0.657	4	0.011
		5	0.821	5	0.014
		6	0.986	6	0.016
		7	1.150	7	0.019
		8	1.314	8	0.022
		9	1.478	9	0.025
		10	1.643	10	0.027
		11	1.807	11	0.030
		12	1.971	12	0.033
		13	2.136	13	0.036
		14	2.300	14	0.038
		15	2.464	15	0.041
		16	2.628	16	0.044
		17	2.793	17	0.047
0^h	$+0^m\ 0^s.000$	18	2.957	18	0.049
1	0 9.856	19	3.121	19	0.052
2	0 19.713	20	3.285	20	0.055
3	0 29.569	21	3.450	21	0.057
4	0 39.426	22	3.614	22	0.060
5	0 49.282	23	3.778	23	0.063
6	0 59.139	24	3.943	24	0.066
7	1 8.995	25	4.107	25	0.068
8	1 18.852	26	4.271	26	0.071
9	1 28.708	27	4.435	27	0.074
10	1 38.565	28	4.600	28	0.077
11	1 48.421	29	4.764	29	0.079
12	1 58.278	30	4.928	30	0.082
13	2 8.134	31	5.093	31	0.085
14	2 17.991	32	5.257	32	0.088
15	2 27.847	33	5.421	33	0.090
16	2 37.704	34	5.585	34	0.093
17	2 47.560	35	5.750	35	0.096
18	2 57.417	36	5.914	36	0.099
19	3 7.273	37	6.078	37	0.101
20	3 17.129	38	6.242	38	0.104
21	3 26.986	39	6.407	39	0.107
22	3 36.842	40	6.571	40	0.110
23	3 46.699	41	6.735	41	0.112
24	3 56.555	42	6.900	42	0.115
		43	7.064	43	0.118
		44	7.228	44	0.120
		45	7.392	45	0.123
		46	7.557	46	0.126
		47	7.721	47	0.129
		48	7.885	48	0.131
		49	8.049	49	0.134
		50	8.214	50	0.137
		51	8.378	51	0.140
		52	8.542	52	0.142
		53	8.707	53	0.145
		54	8.871	54	0.148
		55	9.035	55	0.151
		56	9.199	56	0.153
		57	9.364	57	0.156
		58	9.528	58	0.159
		59	9.692	59	0.162
		60	9.856	60	0.164

Tafel III.

Verwandlung der Sternzeit in Mittlere Zeit.

	0m	1m	2m	3m				
0s	0h 0m 0s	6h 6m 15s	12h 12m 29s	18h 18m 44s				
1	0 6 6	6 12 21	12 18 35	18 24 50				
2	0 12 12	6 18 27	12 24 42	18 30 56				
3	0 18 19	6 24 33	12 30 48	18 37 2				
4	0 24 25	6 30 40	12 36 54	18 43 9				
5	0 30 31	6 36 46	12 43 0	18 49 15	0s.00	0m 0s	0s.50	3m 3s
6	0 36 37	6 42 52	12 49 7	18 55 21	0.01	0 4	0.51	3 7
7	0 42 44	6 48 58	12 55 13	19 1 27	0.02	0 7	0.52	3 10
8	0 48 50	6 55 4	13 1 19	19 7 34	0.03	0 11	0.53	3 14
9	0 54 56	7 1 11	13 7 25	19 13 40	0.04	0 15	0.54	3 18
10	1 1 2	7 7 17	13 13 31	19 19 46	0.05	0 18	0.55	3 21
11	1 7 9	7 13 23	13 19 38	19 25 52	0.06	0 22	0.56	3 25
12	1 13 15	7 19 29	13 25 44	19 31 59	0.07	0 26	0.57	3 29
13	1 19 21	7 25 36	13 31 50	19 38 5	0.08	0 29	0.58	3 32
14	1 25 27	7 31 42	13 37 56	19 44 11	0.09	0 33	0.59	3 36
15	1 31 34	7 37 48	13 44 3	19 50 17	0.10	0 37	0.60	3 40
16	1 37 40	7 43 54	13 50 9	19 56 23	0.11	0 40	0.61	3 43
17	1 43 46	7 50 1	13 56 15	20 2 30	0.12	0 44	0.62	3 47
18	1 49 52	7 56 7	14 2 21	20 8 36	0.13	0 48	0.63	3 51
19	1 55 59	8 2 13	14 8 28	20 14 42	0.14	0 51	0.64	3 54
20	2 2 5	8 8 19	14 14 34	20 20 48	0.15	0 55	0.65	3 58
21	2 8 11	8 14 26	14 20 40	20 26 55	0.16	0 59	0.66	4 2
22	2 14 17	8 20 32	14 26 46	20 33 1	0.17	1 2	0.67	4 5
23	2 20 24	8 26 38	14 32 53	20 39 7	0.18	1 6	0.68	4 9
24	2 26 30	8 32 44	14 38 59	20 45 13	0.19	1 10	0.69	4 13
25	2 32 36	8 38 51	14 45 5	20 51 20	0.20	1 13	0.70	4 16
26	2 38 42	8 44 57	14 51 11	20 57 26	0.21	1 17	0.71	4 20
27	2 44 49	8 51 3	14 57 18	21 3 32	0.22	1 21	0.72	4 24
28	2 50 55	8 57 9	15 3 24	21 9 38	0.23	1 24	0.73	4 27
29	2 57 1	9 3 16	15 9 30	21 15 45	0.24	1 28	0.74	4 31
30	3 3 7	9 9 22	15 15 36	21 21 51	0.25	1 32	0.75	4 35
31	3 9 14	9 15 28	15 21 43	21 27 57	0.26	1 35	0.76	4 38
32	3 15 20	9 21 34	15 27 49	21 34 3	0.27	1 39	0.77	4 42
33	3 21 26	9 27 41	15 33 55	21 40 10	0.28	1 43	0.78	4 46
34	3 27 32	9 33 47	15 40 1	21 46 16	0.29	1 46	0.79	4 49
35	3 33 38	9 39 53	15 46 8	21 52 22	0.30	1 50	0.80	4 53
36	3 39 45	9 45 59	15 52 14	21 58 28	0.31	1 54	0.81	4 57
37	3 45 51	9 52 5	15 58 20	22 4 35	0.32	1 57	0.82	5 0
38	3 51 57	9 58 12	16 4 26	22 10 41	0.33	2 1	0.83	5 4
39	3 58 3	10 4 18	16 10 33	22 16 47	0.34	2 5	0.84	5 8
40	4 4 10	10 10 24	16 16 39	22 22 53	0.35	2 8	0.85	5 11
41	4 10 16	10 16 30	16 22 45	22 29 0	0.36	2 12	0.86	5 15
42	4 16 22	10 22 37	16 28 51	22 35 6	0.37	2 16	0.87	5 19
43	4 22 28	10 28 43	16 34 57	22 41 12	0.38	2 19	0.88	5 22
44	4 28 35	10 34 49	16 41 4	22 47 18	0.39	2 23	0.89	5 26
45	4 34 41	10 40 55	16 47 10	22 53 24	0.40	2 26	0.90	5 30
46	4 40 47	10 47 2	16 53 16	22 59 31	0.41	2 30	0.91	5 33
47	4 46 53	10 53 8	16 59 22	23 5 37	0.42	2 34	0.92	5 37
48	4 53 0	10 59 14	17 5 29	23 11 43	0.43	2 37	0.93	5 41
49	4 59 6	11 5 20	17 11 35	23 17 49	0.44	2 41	0.94	5 44
50	5 5 12	11 11 27	17 17 41	23 23 56	0.45	2 45	0.95	5 48
51	5 11 18	11 17 33	17 23 47	23 30 2	0.46	2 48	0.96	5 52
52	5 17 25	11 23 39	17 29 54	23 36 8	0.47	2 52	0.97	5 55
53	5 23 31	11 29 45	17 36 0	23 42 14	0.48	2 56	0.98	5 59
54	5 29 37	11 35 52	17 42 6	23 48 21	0.49	2 59	0.99	6 3
55	5 35 43	11 41 58	17 48 12	23 54 27	0.50	3 3	1.00	6 6
56	5 41 50	11 48 4	17 54 19	24 0 33				
57	5 47 56	11 54 10	18 0 25	24 6 39				
58	5 54 2	12 0 17	18 6 31	24 12 46				
59	6 0 8	12 6 23	18 12 37	24 18 52				
60	6 6 15	12 12 29	18 18 44	24 24 58				

Tafel III a.

Verwandlung der Sternzeit in Mittlere Zeit.

Sternzeit	Reduction	Sternzeit	Reduction	Sternzeit	Reduction
		0m	— 0s.000	0s	— 0s.000
		1	0.164	1	0.003
		2	0.328	2	0.005
		3	0.491	3	0.008
		4	0.655	4	0.011
		5	0.819	5	0.014
		6	0.983	6	0.016
		7	1.147	7	0.019
		8	1.311	8	0.022
		9	1.474	9	0.025
		10	1.638	10	0.027
		11	1.802	11	0.030
		12	1.966	12	0.033
		13	2.130	13	0.035
		14	2.294	14	0.038
		15	2.457	15	0.041
		16	2.621	16	0.044
		17	2.785	17	0.046
0h	— 0m 0s.000	18	2.949	18	0.049
1	0 9.830	19	3.113	19	0.052
2	0 19.659	20	3.277	20	0.055
3	0 29.489	21	3.440	21	0.057
4	0 39.318	22	3.604	22	0.060
5	0 49.148	23	3.768	23	0.063
6	0 58.977	24	3.932	24	0.066
7	1 8.807	25	4.096	25	0.068
8	1 18.636	26	4.259	26	0.071
9	1 28.466	27	4.423	27	0.074
10	1 38.296	28	4.587	28	0.076
11	1 48.125	29	4.751	29	0.079
12	1 57.955	30	4.915	30	0.082
13	2 7.784	31	5.079	31	0.085
14	2 17.614	32	5.242	32	0.087
15	2 27.443	33	5.406	33	0.090
16	2 37.273	34	5.570	34	0.093
17	2 47.102	35	5.734	35	0.096
18	2 56.932	36	5.898	36	0.098
19	3 6.762	37	6.062	37	0.101
20	3 16.591	38	6.225	38	0.104
21	3 26.421	39	6.389	39	0.106
22	3 36.250	40	6.553	40	0.109
23	3 46.080	41	6.717	41	0.112
24	3 55.909	42	6.881	42	0.115
		43	7.045	43	0.117
		44	7.208	44	0.120
		45	7.372	45	0.123
		46	7.536	46	0.126
		47	7.700	47	0.128
		48	7.864	48	0.131
		49	8.027	49	0.134
		50	8.191	50	0.137
		51	8.355	51	0.139
		52	8.519	52	0.142
		53	8.683	53	0.145
		54	8.847	54	0.147
		55	9.010	55	0.150
		56	9.174	56	0.153
		57	9.338	57	0.156
		58	9.502	58	0.158
		59	9.666	59	0.161
		60	9.830	60	0.164

Tafel IV.

Verwandlung von Stunden, Minuten und Secunden in Decimaltheile des Tages.

Stund.	Decimal.	Min.	Decimal.	Min.	Decimal.	Sec.	Decimal.	Sec.	Decimal.
1	0.0416 +	1	.000694 +	31	.021527 +	1	.0000116	31	.0003588
2	.0833 +	2	.001388 +	32	.022222 +	2	.0000231	32	.0003704
3	.1250 +	3	.002083 +	33	.022916 +	3	.0000347	33	.0003819
4	.1666 +	4	.002777 +	34	.023611 +	4	.0000463	34	.0003935
5	.2083 +	5	.003472 +	35	.024305 +	5	.0000579	35	.0004051
6	.2500 +	6	.004166 +	36	.025000 +	6	.0000694	36	.0004167
7	0.2916 +	7	.004861 +	37	.025694 +	7	.0000810	37	.0004282
8	.3333 +	8	.005555 +	38	.026388 +	8	.0000925	38	.0004398
9	.3750 +	9	.006250 +	39	.027083 +	9	.0001042	39	.0004514
10	.4166 +	10	.006944 +	40	.027777 +	10	.0001157	40	.0004630
11	.4583 +	11	.007638 +	41	.028472 +	11	.0001273	41	.0004745
12	.5000 +	12	.008333 +	42	.029166 +	12	.0001389	42	.0004861
13	0.5416 +	13	.009027 +	43	.029861 +	13	.0001505	43	.0004977
14	.5833 +	14	.009722 +	44	.030555 +	14	.0001620	44	.0005093
15	.6250 +	15	.010416 +	45	.031250 +	15	.0001736	45	.0005208
16	.6666 +	16	.011111 +	46	.031944 +	16	.0001852	46	.0005324
17	.7083 +	17	.011805 +	47	.032638 +	17	.0001968	47	.0005440
18	.7500 +	18	.012500 +	48	.033333 +	18	.0002083	48	.0005556
19	0.7916 +	19	.013194 +	49	.034027 +	19	.0002199	49	.0005671
20	.8333 +	20	.013888 +	50	.034722 +	20	.0002315	50	.0005787
21	.8750 +	21	.014583 +	51	.035416 +	21	.0002431	51	.0005903
22	.9166 +	22	.015277 +	52	.036111 +	22	.0002546	52	.0006019
23	0.9583 +	23	.015972 +	53	.036805 +	23	.0002662	53	.0006134
24	1.0000 +	24	.016666 +	54	.037500 +	24	.0002778	54	.0006250
		25	.017361 +	55	.038194 +	25	.0002894	55	.0006366
		26	.018055 +	56	.038888 +	26	.0003009	56	.0006481
		27	.018750 +	57	.039583 +	27	.0003125	57	.0006597
		28	.019444 +	58	.040277 +	28	.0003241	58	.0006713
		29	.020138 +	59	.040972 +	29	.0003356	59	.0006829
		30	.020833 +	60	.041666 +	30	.0003472	60	.0006944

Das zur Abkürzung gesetzte Zeichen + bedeutet, dass die folgenden Decimalen sämmtlich gleich der letzten angegebenen sind.

Tafel V.

Anzahl der seit Beginn des Jahres verflossenen Tage.

Datum	Gemein-Jahr	Schalt-Jahr
Januar 0.0	0	0
Februar 0.0	31	31
März 0.0	59	60
April 0.0	90	91
Mai 0.0	120	121
Juni 0.0	151	152
Juli 0.0	181	182
August 0.0	212	213
September 0.0	243	244
Oktober 0.0	273	274
November 0.0	304	305
Dezember 0.0	334	335

Tafel VI.

Die Barker'sche Tafel.

v.	0^0		1^0		2^0		3^0	
	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.
0′	0.000000	181.81	0.654532	181.83	1.309263	181.92	1.964393	182.05
1	0.010908	181.81	0.665442	181.83	1.320178	181.92	1.975316	182.06
2	0.021817	181.81	0.676352	181.83	1.331093	181.92	1.986240	182.06
3	0.032725	181.81	0.687262	181.84	1.342008	181.92	1.997164	182.06
4	0.043633	181.81	0.698172	181.84	1.352923	181.92	2.008087	182.07
5	0.054542	181.81	0.709082	181.84	1.363839	181.93	2.019011	182.07
6	0.065450	181.81	0.719993	181.84	1.374755	181.93	2.029936	182.07
7	0.076358	181.81	0.730903	181.84	1.385670	181.93	2.040860	182.07
8	0.087267	181.81	0.741813	181.84	1.396586	181.93	2.051785	182.08
9	0.098175	181.81	0.752724	181.84	1.407502	181.93	2.062709	182.08
10	0.109083	181.81	0.763634	181.84	1.418418	181.94	2.073634	182.08
11	0.119992	181.81	0.774545	181.84	1.429334	181.94	2.084559	182.08
12	0.130900	181.81	0.785456	181.84	1.440251	181.94	2.095485	182.09
13	0.141808	181.81	0.796366	181.85	1.451167	181.94	2.106410	182.09
14	0.152717	181.81	0.807277	181.85	1.462083	181.94	2.117335	182.09
15	0.163625	181.81	0.818188	181.85	1.473000	181.95	2.128261	182.10
16	0.174534	181.81	0.829099	181.85	1.483917	181.95	2.139187	182.10
17	0.185442	181.81	0.840010	181.85	1.494834	181.95	2.150114	182.10
18	0.196350	181.81	0.850921	181.85	1.505751	181.95	2.161040	182.11
19	0.207259	181.81	0.861832	181.85	1.516668	181.95	2.171966	182.11
20	0.218167	181.81	0.872743	181.85	1.527585	181.96	2.182894	182.11
21	0.229076	181.81	0.883654	181.86	1.538503	181.96	2.193820	182.12
22	0.239984	181.81	0.894566	181.86	1.549420	181.96	2.204747	182.12
23	0.250893	181.81	0.905478	181.86	1.560338	181.96	2.215674	182.12
24	0.261801	181.81	0.916389	181.86	1.571256	181.96	2.226602	182.13
25	0.272710	181.81	0.927301	181.86	1.582174	181.97	2.237529	182.13
26	0.283619	181.81	0.938212	181.86	1.593092	181.97	2.248457	182.13
27	0.294527	181.81	0.949124	181.86	1.604010	181.97	2.259385	182.14
28	0.305436	181.81	0.960036	181.86	1.614928	181.97	2.270313	182.14
29	0.316345	181.81	0.970948	181.87	1.625847	181.97	2.281242	182.14
30	0.327253	181.81	0.981860	181.87	1.636766	181.98	2.292170	182.14
31	0.338162	181.81	0.992772	181.87	1.647684	181.98	2.303099	182.15
32	0.349071	181.81	1.003684	181.87	1.658603	181.98	2.314028	182.15
33	0.359980	181.81	1.014596	181.87	1.669522	181.98	2.324957	182.15
34	0.370888	181.81	1.025509	181.87	1.680441	181.99	2.335887	182.16
35	0.381797	181.81	1.036421	181.87	1.691361	181.99	2.346816	182.16
36	0.392706	181.81	1.047334	181.87	1.702280	181.99	2.357746	182.16
37	0.403615	181.81	1.058246	181.88	1.713200	181.99	2.368676	182.17
38	0.414524	181.82	1.069159	181.88	1.724120	182.00	2.379606	182.17
39	0.425433	181.82	1.080072	181.88	1.735039	182.00	2.390536	182.17
40	0.436342	181.82	1.090985	181.88	1.745960	182.00	2.401467	182.18
41	0.447251	181.82	1.101898	181.88	1.756880	182.00	2.412398	182.18
42	0.458160	181.82	1.112811	181.89	1.767800	182.01	2.423329	182.18
43	0.469069	181.82	1.123724	181.89	1.778721	182.01	2.434260	182.19
44	0.479979	181.82	1.134637	181.89	1.789641	182.01	2.445191	182.19
45	0.490888	181.82	1.145550	181.89	1.800562	182.01	2.456123	182.19
46	0.501797	181.82	1.156464	181.89	1.811483	182.02	2.467055	182.20
47	0.512706	181.82	1.167377	181.89	1.822404	182.02	2.477987	182.20
48	0.523616	181.82	1.178291	181.89	1.833325	182.02	2.488919	182.20
49	0.534525	181.82	1.189205	181.90	1.844247	182.02	2.499851	182.21
50	0.545435	181.82	1.200119	181.90	1.855168	182.03	2.510784	182.21
51	0.556344	181.82	1.211033	181.90	1.866090	182.03	2.521717	182.22
52	0.567254	181.82	1.221947	181.90	1.877012	182.04	2.532650	182.22
53	0.578163	181.83	1.232861	181.90	1.887934	182.04	2.543583	182.22
54	0.589073	181.83	1.243775	181.91	1.898856	182.04	2.554517	182.23
55	0.599983	181.83	1.254689	181.91	1.909779	182.04	2.565450	182.23
56	0.610892	181.83	1.265604	181.91	1.920701	182.04	2.576384	182.23
57	0.621802	181.83	1.276518	181.91	1.931624	182.05	2.587319	182.24
58	0.632712	181.83	1.287433	181.91	1.942547	182.05	2.598253	182.24
59	0.643622	181.83	1.298348	181.91	1.953470	182.05	2.609187	182.24
60	0.654532	181.83	1.309263	181.92	1.964393	182.05	2.620122	182.25

Tafel VI.

Die Barker'sche Tafel.

$v.$	4^0		5^0		6^0		7^0	
	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.
0′	2.620122	182.25	3.276651	182.50	3.934182	182.80	4.592917	183.17
1	2.631057	182.25	3.287602	182.50	3.945151	182.81	4.603907	183.18
2	2.641993	182.26	3.298552	182.51	3.956119	182.82	4.614898	183.18
3	2.652928	182.26	3.309503	182.51	3.967088	182.82	4.625889	183.19
4	2.663864	182.26	3.320454	182.52	3.978058	182.83	4.636880	183.19
5	2.674800	182.27	3.331405	182.52	3.989028	182.83	4.647872	183.20
6	2.685736	182.27	3.342356	182.53	3.999998	182.84	4.658864	183.21
7	2.696672	182.27	3.353308	182.53	4.010968	182.84	4.669857	183.21
8	2.707609	182.28	3.364260	182.54	4.021939	182.85	4.680850	183.22
9	2.718546	182.28	3.375212	182.54	4.032911	182.86	4.691843	183.23
10	2.729483	182.29	3.386165	182.55	4.043882	182.86	4.702837	183.24
11	2.740420	182.29	3.397118	182.55	4.054854	182.87	4.713831	183.24
12	2.751358	182.29	3.408071	182.56	4.065826	182.87	4.724826	183.25
13	2.762295	182.30	3.419024	182.56	4.076799	182.88	4.735821	183.25
14	2.773233	182.30	3.429978	182.57	4.087772	182.88	4.746816	183.26
15	2.784172	182.31	3.440932	182.57	4.098745	182.89	4.757812	183.27
16	2.795110	182.31	3.451887	182.58	4.109718	182.90	4.768809	183.27
17	2.806049	182.31	3.462841	182.58	4.120692	182.90	4.779805	183.28
18	2.816988	182.32	3.473796	182.59	4.131667	182.91	4.790802	183.28
19	2.827927	182.32	3.484752	182.59	4.142641	182.91	4.801800	183.29
20	2.838867	182.33	3.495707	182.60	4.153616	182.92	4.812797	183.30
21	2.849806	182.33	3.506663	182.60	4.164592	182.93	4.823796	183.31
22	2.860746	182.33	3.517619	182.61	4.175568	182.93	4.834795	183.32
23	2.871686	182.34	3.528575	182.61	4.186544	182.94	4.845794	183.32
24	2.882627	182.34	3.539532	182.61	4.197520	182.94	4.856793	183.33
25	2.893567	182.35	3.550489	182.62	4.208497	182.95	4.867793	183.34
26	2.904508	182.35	3.561447	182.62	4.219474	182.95	4.878793	183.34
27	2.915449	182.36	3.572404	182.63	4.230451	182.96	4.889794	183.35
28	2.926391	182.36	3.583362	182.63	4.241429	182.97	4.900795	183.36
29	2.937332	182.36	3.594320	182.64	4.252408	182.97	4.911797	183.36
30	2.948274	182.37	3.605279	182.64	4.263386	182.98	4.922799	183.37
31	2.959217	182.37	3.616238	182.65	4.274365	182.99	4.933801	183.38
32	2.970159	182.37	3.627197	182.65	4.285344	182.99	4.944804	183.38
33	2.981102	182.38	3.638156	182.66	4.296324	183.00	4.955807	183.39
34	2.992045	182.38	3.649116	182.66	4.307304	183.00	4.966811	183.40
35	3.002988	182.39	3.660076	182.67	4.318284	183.01	4.977815	183.41
36	3.013931	182.39	3.671037	182.68	4.329265	183.01	4.988820	183.41
37	3.024875	182.39	3.681997	182.68	4.340246	183.02	4.999825	183.42
38	3.035819	182.40	3.692958	182.69	4.351228	183.03	5.010830	183.43
39	3.046763	182.40	3.703920	182.69	4.362210	183.03	5.021836	183.43
40	3.057707	182.41	3.714881	182.70	4.373192	183.04	5.032842	183.44
41	3.068652	182.41	3.725843	182.70	4.384175	183.05	5.043849	183.45
42	3.079597	182.42	3.736806	182.71	4.395158	183.05	5.054856	183.46
43	3.090542	182.42	3.747768	182.71	4.406141	183.06	5.065864	183.46
44	3.101488	182.43	3.758731	182.72	4.417125	183.06	5.076872	183.47
45	3.112433	182.43	3.769694	182.72	4.428109	183.07	5.087880	183.48
46	3.123379	182.44	3.780658	182.72	4.439093	183.08	5.098889	183.48
47	3.134325	182.44	3.791622	182.73	4.450078	183.08	5.109898	183.49
48	3.145272	182.44	3.802586	182.74	4.461064	183.09	5.120908	183.50
49	3.156219	182.45	3.813551	182.74	4.472049	183.10	5.131918	183.51
50	3.167166	182.45	3.824515	182.75	4.483035	183.10	5.142929	183.51
51	3.178113	182.46	3.835481	182.76	4.494022	183.11	5.153940	183.52
52	3.189061	182.46	3.846446	182.76	4.505008	183.12	5.164951	183.53
53	3.200009	182.47	3.857412	182.77	4.515995	183.12	5.175963	183.54
54	3.210957	182.47	3.868378	182.77	4.526983	183.13	5.186975	183.54
55	3.221905	182.48	3.879345	182.78	4.537971	183.14	5.197988	183.55
56	3.232854	182.48	3.890312	182.78	4.548959	183.14	5.209002	183.56
57	3.243803	182.49	3.901279	182.79	4.559948	183.15	5.220015	183.57
58	3.254752	182.49	3.912246	182.79	4.570937	183.15	5.231029	183.57
59	3.265702	182.49	3.923214	182.80	4.581927	183.16	5.242044	183.58
60	3.276651	182.50	3.934182	182.80	4.592917	183.17	5.253059	183.59

Tafel VI.

Die Barker'sche Tafel.

v.	8^0		9^0		10^0		11^0	
	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.
0′	5.253059	183.59	5.914815	184.06	6.578391	184.60	7.243997	185.19
1	5.264075	183.59	5.925859	184.07	6.589467	184.61	7.255109	185.20
2	5.275090	183.60	5.936904	184.08	6.600544	184.62	7.266222	185.21
3	5.286107	183.61	5.947949	184.09	6.611622	184.63	7.277335	185.22
4	5.297124	183.62	5.958995	184.10	6.622700	184.64	7.288449	185.23
5	5.308141	183.62	5.970041	184.11	6.633778	184.65	7.299563	185.25
6	5.319159	183.63	5.981087	184.11	6.644857	184.66	7.310678	185.26
7	5.330177	183.64	5.992134	184.12	6.655937	184.67	7.321793	185.27
8	5.341195	183.65	6.003182	184.13	6.667017	184.67	7.332909	185.28
9	5.352214	183.66	6.014230	184.14	6.678098	184.68	7.344026	185.29
10	5.363234	183.66	6.025279	184.15	6.689179	184.69	7.355144	185.30
11	5.374254	183.67	6.036328	184.16	6.700261	184.70	7.366262	185.31
12	5.385275	183.68	6.047378	184.17	6.711343	184.71	7.377381	185.32
13	5.396296	183.69	6.058428	184.18	6.722426	184.72	7.388500	185.33
14	5.407317	183.69	6.069479	184.18	6.733510	184.73	7.399620	185.34
15	5.418339	183.70	6.080530	184.19	6.744594	184.74	7.410741	185.35
16	5.429361	183.71	6.091582	184.20	6.755679	184.75	7.421862	185.36
17	5.440384	183.72	6.102634	184.21	6.766764	184.76	7.432983	185.37
18	5.451407	183.73	6.113687	184.22	6.777850	184.77	7.444106	185.38
19	5.462431	183.73	6.124740	184.23	6.788937	184.78	7.455230	185.39
20	5.473455	183.74	6.135794	184.24	6.800024	184.79	7.466354	185.40
21	5.484480	183.75	6.146849	184.25	6.811112	184.80	7.477478	185.41
22	5.495505	183.75	6.157904	184.25	6.822200	184.81	7.488603	185.42
23	5.506530	183.76	6.168959	184.26	6.833289	184.82	7.499729	185.43
24	5.517556	183.77	6.180015	184.27	6.844378	184.83	7.510855	185.44
25	5.528583	183.78	6.191072	184.28	6.855468	184.84	7.521982	185.46
26	5.539610	183.79	6.202129	184.29	6.866559	184.85	7.533110	185.47
27	5.550637	183.79	6.213187	184.30	6.877650	184.86	7.544239	185.48
28	5.561665	183.80	6.224245	184.31	6.888742	184.87	7.555368	185.49
29	5.572693	183.81	6.235304	184.32	6.899834	184.88	7.566497	185.50
30	5.583722	183.82	6.246363	184.32	6.910927	184.89	7.577628	185.51
31	5.594752	183.83	6.257422	184.33	6.922021	184.90	7.588759	185.52
32	5.605782	183.83	6.268482	184.34	6.933115	184.91	7.599890	185.53
33	5.616812	183.84	6.279543	184.35	6.944210	184.92	7.611022	185.54
34	5.627843	183.85	6.290605	184.36	6.955305	184.93	7.622155	185.55
35	5.638874	183.86	6.301667	184.37	6.966401	184.94	7.633289	185.57
36	5.649906	183.87	6.312729	184.38	6.977498	184.95	7.644423	185.58
37	5.660938	183.87	6.323792	184.39	6.988595	184.96	7.655558	185.59
38	5.671971	183.88	6.334855	184.40	6.999693	184.97	7.666694	185.60
39	5.683004	183.89	6.345919	184.41	7.010791	184.98	7.677830	185.61
40	5.694038	183.90	6.356984	184.41	7.021890	184.99	7.688967	185.62
41	5.705072	183.91	6.368049	184.42	7.032990	185.00	7.700104	185.63
42	5.716106	183.92	6.379115	184.43	7.044090	185.01	7.711242	185.64
43	5.727141	183.92	6.390181	184.44	7.055191	185.02	7.722381	185.65
44	5.738177	183.93	6.401248	184.45	7.066292	185.03	7.733521	185.66
45	5.749213	183.94	6.412315	184.46	7.077394	185.04	7.744661	185.68
46	5.760250	183.95	6.423383	184.47	7.088497	185.05	7.755802	185.69
47	5.771287	183.96	6.434451	184.48	7.099600	185.06	7.766943	185.70
48	5.782325	183.96	6.445520	184.49	7.110704	185.07	7.778085	185.71
49	5.793363	183.97	6.456590	184.50	7.121808	185.08	7.789228	185.72
50	5.804401	183.98	6.467660	184.51	7.132913	185.09	7.800372	185.73
51	5.815440	183.99	6.478731	184.52	7.144019	185.10	7.811516	185.74
52	5.826480	184.00	6.489802	184.52	7.155125	185.11	7.822661	185.75
53	5.837520	184.01	6.500874	184.53	7.166232	185.12	7.833807	185.76
54	5.848561	184.01	6.511946	184.54	7.177340	185.13	7.844953	185.78
55	5.859602	184.02	6.523019	184.55	7.188448	185.14	7.856100	185.79
56	5.870644	184.03	6.534092	184.56	7.199557	185.15	7.867247	185.80
57	5.881686	184.04	6.545166	184.57	7.210666	185.16	7.878396	185.81
58	5.892728	184.05	6.556241	184.58	7.221776	185.17	7.889545	185.82
59	5.903771	184.06	6.567316	184.59	7.232886	185.18	7.900694	185.83
60	5.914815	184.06	6.578391	184.60	7.243997	185.19	7.911845	185.84

Tafel VI.

Die Barker'sche Tafel.

$v.$	12^0		13^0		14^0		15^0	
	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.
0′	7.911845	185.84	8.582146	186.56	9.255120	187.33	9.930984	188.16
1	7.922995	185.86	8.593340	186.57	9.266360	187.34	9.942274	188.18
2	7.934147	185.87	8.604535	186.58	9.277601	187.35	9.953565	188.19
3	7.945300	185.88	8.615730	186.59	9.288842	187.37	9.964857	188.21
4	7.956453	185.89	8.626926	186.61	9.300085	187.38	9.976149	188.22
5	7.967606	185.90	8.638123	186.62	9.311328	187.40	9.987443	188.23
6	7.978761	185.91	8.649320	186.63	9.322572	187.41	9.998738	188.25
7	7.989916	185.92	8.660518	186.64	9.333817	187.42	10.010033	188.26
8	8.001072	185.93	8.671717	186.66	9.345063	187.44	10.021329	188.28
9	8.012228	185.95	8.682917	186.67	9.356310	187.45	10.032626	188.29
10	8.023385	185.96	8.694117	186.68	9.367557	187.46	10.043924	188.31
11	8.034543	185.97	8.705318	186.69	9.378805	187.48	10.055223	188.32
12	8.045702	185.98	8.716520	186.71	9.390054	187.49	10.066523	188.34
13	8.056861	185.99	8.727723	186.72	9.401304	187.50	10.077823	188.35
14	8.068021	186.00	8.738927	186.73	9.412555	187.52	10.089125	188.37
15	8.079181	186.02	8.750131	186.74	9.423806	187.53	10.100427	188.38
16	8.090343	186.03	8.761336	186.76	9.435058	187.54	10.111730	188.39
17	8.101505	186.04	8.772542	186.77	9.446311	187.56	10.123035	188.41
18	8.112668	186.05	8.783748	186.78	9.457565	187.57	10.134340	188.42
19	8.123831	186.06	8.794955	186.79	9.468820	187.59	10.145646	188.44
20	8.134995	186.07	8.806163	186.81	9.480076	187.60	10.156952	188.45
21	8.146160	186.09	8.817372	186.82	9.491332	187.61	10.168260	188.47
22	8.157326	186.10	8.828582	186.83	9.502589	187.63	10.179568	188.48
23	8.168492	186.11	8.839792	186.84	9.513847	187.64	10.190878	188.50
24	8.179659	186.12	8.851003	186.86	9.525106	187.65	10.202188	188.51
25	8.190826	186.13	8.862215	186.87	9.536366	187.67	10.213499	188.53
26	8.201995	186.15	8.873427	186.88	9.547626	187.68	10.224812	188.54
27	8.213164	186.16	8.884641	186.90	9.558888	187.70	10.236125	188.56
28	8.224334	186.17	8.895855	186.91	9.570150	187.71	10.247439	188.57
29	8.235504	186.18	8.907070	186.92	9.581413	187.72	10.258753	188.59
30	8.246675	186.19	8.918286	186.93	9.592676	187.74	10.270069	188.60
31	8.257847	186.20	8.929502	186.95	9.603941	187.75	10.281386	188.62
32	8.269020	186.22	8.940719	186.96	9.615207	187.77	10.292703	188.63
33	8.280193	186.23	8.951937	186.97	9.626473	187.78	10.304021	188.65
34	8.291367	186.24	8.963156	186.99	9.637740	187.79	10.315341	188.66
35	8.302542	186.25	8.974376	187.00	9.649008	187.81	10.326661	188.68
36	8.313717	186.26	8.985596	187.01	9.660277	187.82	10.337982	188.69
37	8.324893	186.28	8.996817	187.02	9.671547	187.84	10.349304	188.71
38	8.336070	186.29	9.008039	187.04	9.682817	187.85	10.360627	188.72
39	8.347248	186.30	9.019262	187.05	9.694088	187.86	10.371951	188.74
40	8.358426	186.31	9.030485	187.06	9.705361	187.88	10.383275	188.75
41	8.369605	186.32	9.041709	187.08	9.716634	187.89	10.394601	188.77
42	8.380785	186.34	9.052934	187.09	9.727908	187.91	10.405927	188.78
43	8.391966	186.35	9.064160	187.10	9.739182	187.92	10.417255	188.80
44	8.403147	186.36	9.075387	187.12	9.750458	187.93	10.428583	188.81
45	8.414329	186.37	9.086614	187.13	9.761734	187.95	10.439912	188.83
46	8.425512	186.38	9.097842	187.14	9.773012	187.96	10.451242	188.84
47	8.436695	186.40	9.109071	187.16	9.784290	187.98	10.462573	188.86
48	8.447879	186.41	9.120301	187.17	9.795569	187.99	10.473905	188.87
49	8.459064	186.42	9.131531	187.18	9.806849	188.00	10.485238	188.89
50	8.470250	186.43	9.142763	187.20	9.818129	188.02	10.496572	188.90
51	8.481436	186.45	9.153995	187.21	9.829410	188.03	10.507907	188.92
52	8.492623	186.46	9.165228	187.22	9.840693	188.05	10.519242	188.93
53	8.503811	186.47	9.176462	187.23	9.851977	188.06	10.530579	188.95
54	8.515000	186.48	9.187696	187.25	9.863261	188.08	10.541916	188.97
55	8.526189	186.49	9.198931	187.26	9.874546	188.09	10.553255	188.98
56	8.537379	186.51	9.210167	187.27	9.885832	188.10	10.564594	189.00
57	8.548569	186.52	9.221404	187.29	9.897118	188.12	10.575934	189.01
58	8.559761	186.53	9.232642	187.30	9.908406	188.13	10.587276	189.03
59	8.570953	186.54	9.243880	187.31	9.919694	188.15	10.598618	189.04
60	8.582146	186.56	9.255120	187.33	9.930984	188.16	10.609961	189.06

Tafel VI.

Die Barker'sche Tafel.

$v.$	16^0		17^0		18^0		19^0	
	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.
0′	10.609961	189.06	11.292277	190.02	11.978162	191.04	12.667850	192.13
1	10.621305	189.07	11.303679	190.03	11.989625	191.06	12.679379	192.15
2	10.632649	189.09	11.315082	190.05	12.001089	191.08	12.690908	192.17
3	10.643995	189.10	11.326485	190.07	12.012554	191.09	12.702439	192.19
4	10.655342	189.12	11.337889	190.08	12.024021	191.11	12.713970	192.21
5	10.666690	189.14	11.349295	190.10	12.035488	191.13	12.725503	192.22
6	10.678038	189.15	11.360701	190.12	12.046956	191.15	12.737037	192.24
7	10.689388	189.17	11.372109	190.13	12.058425	191.16	12.748573	192.26
8	10.700738	189.18	11.383517	190.15	12.069896	191.18	12.760109	192.28
9	10.712090	189.20	11.394927	190.17	12.081367	191.20	12.771646	192.30
10	10.723442	189.21	11.406337	190.18	12.092840	191.22	12.783185	192.32
11	10.734795	189.23	11.417749	190.20	12.104313	191.24	12.794724	192.34
12	10.746149	189.24	11.429161	190.22	12.115788	191.25	12.806265	192.36
13	10.757505	189.26	11.440575	190.23	12.127264	191.27	12.817807	192.37
14	10.768861	189.28	11.451989	190.25	12.138741	191.29	12.829350	192.39
15	10.780218	189.29	11.463405	190.27	12.150219	191.31	12.840894	192.41
16	10.791576	189.31	11.474821	190.28	12.161698	191.32	12.852440	192.43
17	10.802935	189.32	11.486239	190.30	12.173178	191.34	12.863986	192.45
18	10.814295	189.34	11.497657	190.32	12.184659	191.36	12.875534	192.47
19	10.825655	189.35	11.509077	190.33	12.196141	191.38	12.887082	192.49
20	10.837017	189.37	11.520497	190.35	12.207624	191.40	12.898632	192.51
21	10.848380	189.39	11.531919	190.37	12.219108	191.41	12.910183	192.53
22	10.859744	189.40	11.543342	190.39	12.230594	191.43	12.921736	192.55
23	10.871108	189.42	11.554765	190.40	12.242080	191.45	12.933289	192.56
24	10.882474	189.43	11.566190	190.42	12.253568	191.47	12.944843	192.58
25	10.893840	189.45	11.577616	190.44	12.265057	191.49	12.956399	192.60
26	10.905208	189.47	11.589042	190.45	12.276546	191.50	12.967956	192.62
27	10.916576	189.48	11.600470	190.47	12.288037	191.52	12.979514	192.64
28	10.927946	189.50	11.611899	190.49	12.299529	191.54	12.991073	192.66
29	10.939316	189.51	11.623328	190.50	12.311022	191.56	13.002633	192.68
30	10.950687	189.53	11.634759	190.52	12.322516	191.58	13.014195	192.70
31	10.962059	189.55	11.646191	190.54	12.334011	191.60	13.025757	192.72
32	10.973433	189.56	11.657624	190.56	12.345508	191.61	13.037321	192.74
33	10.984807	189.58	11.669057	190.57	12.357005	191.63	13.048886	192.76
34	10.996182	189.59	11.680492	190.59	12.368503	191.65	13.060452	192.78
35	11.007558	189.61	11.691928	190.61	12.380003	191.67	13.072019	192.80
36	11.018935	189.63	11.703365	190.62	12.391504	191.69	13.083587	192.82
37	11.030313	189.64	11.714803	190.64	12.403006	191.70	13.095157	192.83
38	11.041692	189.66	11.726242	190.66	12.414509	191.72	13.106727	192.85
39	11.053072	189.67	11.737682	190.68	12.426013	191.74	13.118299	192.87
40	11.064453	189.69	11.749123	190.69	12.437517	191.76	13.129872	192.89
41	11.075835	189.71	11.760565	190.71	12.449023	191.78	13.141446	192.91
42	11.087218	189.72	11.772008	190.73	12.460531	191.80	13.153022	192.93
43	11.098602	189.74	11.783452	190.74	12.472039	191.81	13.164598	192.95
44	11.109987	189.76	11.794897	190.76	12.483548	191.83	13.176176	192.97
45	11.121372	189.77	11.806344	190.78	12.495059	191.85	13.187755	192.99
46	11.132759	189.79	11.817791	190.80	12.506571	191.87	13.199335	193.01
47	11.144147	189.80	11.829239	190.81	12.518083	191.89	13.210916	193.03
48	11.155536	189.82	11.840689	190.83	12.529597	191.91	13.222498	193.05
49	11.166925	189.84	11.852139	190.85	12.541112	191.93	13.234082	193.07
50	11.178316	189.85	11.863590	190.87	12.552628	191.94	13.245667	193.09
51	11.189708	189.87	11.875043	190.88	12.564145	191.96	13.257253	193.11
52	11.201100	189.89	11.886496	190.90	12.575664	191.98	13.268840	193.13
53	11.212494	189.90	11.897951	190.92	12.587183	192.00	13.280428	193.15
54	11.223889	189.92	11.909407	190.94	12.598704	192.02	13.292017	193.17
55	11.235284	189.93	11.920863	190.95	12.610225	192.04	13.303608	193.19
56	11.246681	189.95	11.932321	190.97	12.621748	192.06	13.315200	193.21
57	11.258078	189.97	11.943780	190.99	12.633272	192.07	13.326793	193.23
58	11.269477	189.98	11.955239	191.01	12.644797	192.09	13.338387	193.25
59	11.280876	190.00	11.966700	191.02	12.656323	192.11	13.349982	193.27
60	11.292277	190.02	11.978162	191.04	12.667850	192.13	13.361579	193.29

Tafel VI.

Die Barker'sche Tafel.

$v.$	20^0		21^0		22^0		23^0	
	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.
0′	13.361579	193.29	14.059591	194.51	14.762133	195.80	15.469459	197.17
1	13.373177	193.31	14.071262	194.53	14.773882	195.83	15.481290	197.19
2	13.384776	193.33	14.082935	194.55	14.785632	195.85	15.493122	197.21
3	13.396376	193.35	14.094608	194.57	14.797384	195.87	15.504956	197.24
4	13.407977	193.37	14.106283	194.59	14.809137	195.89	15.516791	197.26
5	13.419580	193.39	14.117960	194.61	14.820891	195.91	15.528627	197.28
6	13.431183	193.41	14.129637	194.64	14.832647	195.94	15.540465	197.31
7	13.442788	193.43	14.141316	194.66	14.844403	195.96	15.552304	197.33
8	13.454394	193.45	14.152996	194.68	14.856161	195.98	15.564144	197.35
9	13.466002	193.47	14.164677	194.70	14.867921	196.00	15.575986	197.38
10	13.477610	193.49	14.176360	194.72	14.879682	196.03	15.587830	197.40
11	13.489220	193.51	14.188044	194.74	14.891444	196.05	15.599675	197.43
12	13.500831	193.53	14.199729	194.76	14.903208	196.07	15.611521	197.45
13	13.512443	193.55	14.211415	194.78	14.914973	196.09	15.623369	197.47
14	13.524056	193.57	14.223103	194.81	14.926739	196.12	15.635218	197.50
15	13.535671	193.59	14.234792	194.83	14.938506	196.14	15.647068	197.52
16	13.547287	193.61	14.246482	194.85	14.950275	196.16	15.658920	197.54
17	13.558904	193.63	14.258174	194.87	14.962045	196.18	15.670773	197.57
18	13.570522	193.65	14.269867	194.89	14.973817	196.20	15.682628	197.59
19	13.582141	193.67	14.281561	194.91	14.985590	196.23	15.694484	197.61
20	13.593762	193.69	14.293256	194.93	14.997365	196.25	15.706342	197.64
21	13.605383	193.71	14.304953	194.95	15.009140	196.27	15.718201	197.66
22	13.617006	193.73	14.316651	194.98	15.020917	196.30	15.730061	197.69
23	13.628631	193.75	14.328350	195.00	15.032696	196.32	15.741923	197.71
24	13.640256	193.77	14.340050	195.02	15.044475	196.34	15.753786	197.73
25	13.651883	193.79	14.351752	195.04	15.056256	196.36	15.765651	197.76
26	13.663511	193.81	14.363455	195.06	15.068039	196.39	15.777517	197.78
27	13.675140	193.83	14.375159	195.08	15.079823	196.41	15.789385	197.80
28	13.686770	193.85	14.386865	195.10	15.091608	196.43	15.801254	197.83
29	13.698401	193.87	14.398572	195.13	15.103394	196.45	15.813124	197.85
30	13.710034	193.89	14.410280	195.15	15.115182	196.48	15.824996	197.88
31	13.721668	193.91	14.421990	195.17	15.126971	196.50	15.836870	197.90
32	13.733303	193.93	14.433700	195.19	15.138762	196.52	15.848744	197.92
33	13.744940	193.95	14.445412	195.21	15.150554	196.54	15.860620	197.95
34	13.756577	193.97	14.457126	195.23	15.162348	196.57	15.872498	197.97
35	13.768216	193.99	14.468841	195.26	15.174142	196.59	15.884377	198.00
36	13.779856	194.01	14.480557	195.28	15.185938	196.61	15.896258	198.02
37	13.791498	194.03	14.492274	195.30	15.197736	196.64	15.908140	198.04
38	13.803140	194.05	14.503992	195.32	15.209535	196.66	15.920023	198.07
39	13.814784	194.07	14.515712	195.34	15.221335	196.68	15.931908	198.09
40	13.826429	194.09	14.527434	195.36	15.233137	196.70	15.943794	198.12
41	13.838075	194.11	14.539156	195.39	15.244940	196.73	15.955682	198.14
42	13.849723	194.14	14.550880	195.41	15.256744	196.75	15.967571	198.17
43	13.861372	194.16	14.562605	195.43	15.268550	196.77	15.979462	198.19
44	13.873022	194.18	14.574331	195.45	15.280357	196.80	15.991354	198.21
45	13.884673	194.20	14.586059	195.47	15.292165	196.82	16.003248	198.24
46	13.896325	194.22	14.597788	195.50	15.303975	196.84	16.015143	198.26
47	13.907979	194.24	14.609519	195.52	15.315786	196.87	16.027039	198.29
48	13.919634	194.26	14.621250	195.54	15.327599	196.89	16.038937	198.31
49	13.931290	194.28	14.632983	195.56	15.339413	196.91	16.050836	198.34
50	13.942948	194.30	14.644718	195.58	15.351228	196.94	16.062737	198.36
51	13.954606	194.32	14.656453	195.60	15.363045	196.96	16.074639	198.38
52	13.966266	194.34	14.668190	195.63	15.374863	196.98	16.086543	198.41
53	13.977927	194.36	14.679929	195.65	15.386683	197.00	16.098449	198.43
54	13.989590	194.38	14.691668	195.67	15.398504	197.03	16.110355	198.46
55	14.001254	194.41	14.703409	195.69	15.410326	197.05	16.122263	198.48
56	14.012919	194.43	14.715151	195.71	15.422150	197.07	16.134173	198.51
57	14.024585	194.45	14.726895	195.74	15.433975	197.10	16.146084	198.53
58	14.036252	194.47	14.738640	195.76	15.445802	197.12	16.157997	198.56
59	14.047921	194.49	14.750386	195.78	15.457630	197.14	16.169911	198.58
60	14.059591	194.51	14.762133	195.80	15.469459	197.17	16.181826	198.60

Tafel VI.

Die Barker'sche Tafel.

$v.$	24^0		25^0		26^0		27^0	
	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.	M.	Diff. 1″.
0′	16.181826	198.60	16.899499	200.12	17.622747	201.70	18.351847	203.37
1	16.193743	198.63	16.911507	200.14	17.634850	201.73	18.364050	203.40
2	16.205662	198.65	16.923516	200.17	17.646954	201.76	18.376255	203.42
3	16.217582	198.68	16.935527	200.19	17.659060	201.78	18.388461	203.45
4	16.229503	198.70	16.947539	200.22	17.671168	201.81	18.400669	203.48
5	16.241426	198.73	16.959553	200.24	17.683278	201.84	18.412879	203.51
6	16.253350	198.75	16.971568	200.27	17.695389	201.87	18.425090	203.54
7	16.265276	198.78	16.983585	200.30	17.707502	201.89	18.437303	203.57
8	16.277204	198.80	16.995604	200.32	17.719616	201.92	18.449518	203.59
9	16.289133	198.83	17.007624	200.35	17.731732	201.95	18.461735	203.62
10	16.301063	198.85	17.019646	200.37	17.743850	201.97	18.473953	203.65
11	16.312995	198.88	17.031669	200.40	17.755969	202.00	18.486173	203.68
12	16.324928	198.90	17.043694	200.43	17.768090	202.03	18.498395	203.71
13	16.336863	198.93	17.055720	200.45	17.780213	202.06	18.510618	203.74
14	16.348799	198.95	17.067748	200.48	17.792337	202.08	18.522843	203.77
15	16.360737	198.97	17.079777	200.50	17.804462	202.11	18.535070	203.80
16	16.372676	199.00	17.091808	200.53	17.816590	202.14	18.547299	203.82
17	16.384617	199.02	17.103841	200.56	17.828719	202.17	18.559529	203.85
18	16.396559	199.05	17.115875	200.58	17.840850	202.19	18.571761	203.88
19	16.408503	199.07	17.127911	200.61	17.852982	202.22	18.583995	203.91
20	16.420448	199.10	17.139948	200.64	17.865116	202.25	18.596230	203.94
21	16.432395	199.12	17.151987	200.66	17.877252	202.28	18.608467	203.97
22	16.444343	199.15	17.164028	200.69	17.889389	202.30	18.620706	204.00
23	16.456292	199.17	17.176070	200.71	17.901528	202.33	18.632947	204.03
24	16.468243	199.20	17.188114	200.74	17.913669	202.36	18.645190	204.05
25	16.480196	199.22	17.200159	200.77	17.925811	202.39	18.657434	204.08
26	16.492151	199.25	17.212206	200.79	17.937955	202.41	18.669679	204.11
27	16.504107	199.27	17.224254	200.82	17.950101	302.44	18.681927	204.14
28	16.516064	199.30	17.236304	200.85	17.962248	202.47	18.694177	204.17
29	16.528022	199.33	17.248356	200.87	17.974397	202.50	18.706428	204.20
30	16.539983	199.35	17.260409	200.90	17.986548	202.52	18.718680	204.23
31	16.551945	199.38	17.272464	200.93	17.998700	202.55	18.730935	204.26
32	16.563908	199.40	17.284520	200.95	18.010854	202.58	18.743191	204.29
33	16.575873	199.43	17.296578	200.98	18.023010	202.61	18.755449	204.32
34	16.587839	199.45	17.308637	201.00	18.035167	202.64	18.767709	204.35
35	16.599807	199.48	17.320698	201.03	18.047326	202.66	18.779971	204.37
36	16.611776	199.50	17.332761	201.06	18.059487	202.69	18.792234	204.40
37	16.623747	199.53	17.344825	201.08	18.071649	202.72	18.804499	204.43
38	16.635719	199.55	17.356891	201.11	18.083813	202.75	18.816767	204.46
39	16.647693	199.58	17.368959	201.14	18.095979	202.78	18.829036	204.49
40	16.659669	199.60	17.381028	201.16	18.108146	202.80	18.841305	204.52
41	16.671646	199.63	17.393098	201.19	18.120315	202.83	18.853577	204.55
42	16.683624	199.65	17.405171	201.22	18.132486	202.86	18.865851	204.58
43	16.695604	199.68	17.417245	201.24	18.144658	202.89	18.878127	204.61
44	16.707586	199.70	17.429320	201.27	18.156832	202.92	18.890404	204.64
45	16.719569	199.73	17.441397	201.30	18.169008	202.94	18.902684	204.67
46	16.731553	199.76	17.453476	201.32	18.181186	202.97	18.914965	204.70
47	16.743539	199.78	17.465556	201.35	18.193365	203.00	18.927247	204.73
48	16.755527	199.81	17.477638	201.38	18.205546	203.03	18.939532	204.76
49	16.767516	199.83	17.489722	201.41	18.217728	203.06	18.951818	204.79
50	16.779507	199.86	17.501807	201.43	18.229912	203.08	18.964106	204.81
51	16.791499	199.88	17.513894	201.46	18.242098	203.11	18.976396	204.84
52	16.803493	199.91	17.525982	201.49	18.254286	203.14	18.988687	204.87
53	16.815488	199.94	17.538072	201.51	18.266475	203.17	19.000981	204.90
54	16.827485	199.96	17.550163	201.54	18.278666	203.20	19.013276	204.93
55	16.839484	199.99	17.562257	201.57	18.290859	203.23	19.025573	204.96
56	16.851484	200.01	17.574352	201.59	18.303053	203.25	19.037871	204.99
57	16.863485	200.04	17.586448	201.62	18.315249	203.28	19.050172	205.02
58	16.875488	200.06	17.598546	201.65	18.327447	203.31	19.062474	205.05
59	16.887493	200.09	17.610646	201.68	18.339646	203.34	19.074778	205.08
60	16.899499	200.12	17.622747	201.70	18.351847	203.37	19.087084	205.11

Tafel VI.
Die Barker'sche Tafel.

$v.$	28^0		29^0		30^0		31^0	
	M.	Diff. 1″.	M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	19.087084	205.11	19.828747	206.94	1.313 3849	44.08	1.329 0430	42.92
1	19.099391	205.14	19.841164	206.97	.313 6493	44.06	.329 3004	42.91
2	19.111701	205.17	19.853583	207.00	.313 9136	44.04	.329 5578	42.89
3	19.124012	205.20	19.866004	207.03	.314 1778	44.02	.329 8151	42.87
4	19.136325	205.23	19.878427	207.06	.314 4419	44.00	.330 0723	42.85
5	19.148639	205.26	19.890852	207.09	1.314 7058	43.98	1.330 3293	42.83
6	19.160956	205.29	19.903279	207.13	.314 9696	43.96	.330 5862	42.81
7	19.173274	205.32	19.915707	207.16	.315 2333	43.94	.330 8431	42.80
8	19.185594	205.35	19.928137	207.19	.315 4969	43.92	.331 0998	42.78
9	19.197916	205.38	19.940569	207.22	.315 7604	43.90	.331 3564	42.76
10	19.210240	205.41	19.953003	207.25	1.316 0237	43.88	1.331 6129	42.74
11	19.222566	205.44	19.965439	207.28	.316 2869	43.86	.331 8693	42.72
12	19.234893	205.47	19.977877	207.31	.316 5500	43.84	.332 1255	42.70
13	19.247222	205.50	19.990317	207.34	.316 8130	43.82	.332 3817	42.69
14	19.259553	205.53	20.002759	207.38	.317 0759	43.80	.332 6378	42.67
15	19.271885	205.56	20.015202	207.41	1.317 3386	43.78	1.332 8937	42.65
16	19.284220	205.59	20.027647	207.44	.317 6013	43.76	.333 1496	42.63
17	19.296556	205.62	20.040095	207.47	.317 8638	43.74	.333 4053	42.61
18	19.308894	205.65	20.052544	207.50	.318 1262	43.72	.333 6609	42.59
19	19.321234	205.68	20.064995	207.53	.318 3885	43.70	.333 9164	42.58
20	19.333576	205.71	20.077448	207.57	1.318 6506	43.68	1.334 1718	42.56
21	19.345920	205.74	20.089903	207.60	.318 9127	43.67	.334 4271	42.54
22	19.358265	205.77	20.102360	207.63	.319 1746	43.65	.334 6823	42.52
23	19.370612	205.80	20.114818	207.66	.319 4364	43.63	.334 9374	42.50
24	19.382961	205.83	20.127279	207.69	.319 6981	43.61	.335 1924	42.49
25	19.395312	205.86	20.139741	207.72	1.319 9597	43.59	1.335 4472	42.47
26	19.407665	205.89	20.152206	207.76	.320 2212	43.57	.335 7020	42.45
27	19.420019	205.92	20.164672	207.79	.320 4825	43.55	.335 9567	42.43
28	19.432375	205.95	20.177140	207.82	.320 7438	43.53	.336 2112	42.41
29	19.444734	205.98	20.189610	207.85	.321 0049	43.51	.336 4656	42.40
30	19.457094	206.01	20.202082	207.88	1.321 2659	43.49	1.336 7199	42.38
31	19.469455	206.04	20.214556	207.91	.321 5268	43.47	.336 9742	42.36
32	19.481819	206.08	20.227032	207.95	.321 7875	43.45	.337 2283	42.34
33	19.494184	206.11	20.239510	207.98	.322 0482	43.43	.337 4823	42.33
34	19.506551	206.14	20.251989	208.01	.322 3087	43.41	.337 7362	42.31
35	19.518921	206.17	20.264471	208.04	1.322 5692	43.40	1.337 9900	42.29
36	19.531292	206.20	20.276954	208.07	.322 8295	43.38	.338 2437	42.27
37	19.543664	206.23	20.289440	208.11	.323 0897	43.36	.338 4972	42.25
38	19.556039	206.26	20.301927	208.14	.323 3498	43.34	.338 7507	42.24
39	19.568415	206.29	20.314416	208.17	.323 6097	43.32	.339 0041	42.22
40	19.580794	206.32	20.326907	208.20	1.323 8696	43.30	1.339 2573	42.20
41	19.593174	206.35	20.339400	208.24	.324 1294	43.28	.339 5105	42.18
42	19.605556	206.38	20.351895	208.27	.324 3890	43.26	.339 7635	42.17
43	19.617939	206.41	20.364392	208.30	.324 6485	43.24	.340 0165	42.15
44	19.630325	206.44	20.376891	208.33	.324 9079	43.22	.340 2693	42.13
45	19.642713	206.47	20.389392	208.36	1.325 1672	43.21	1.340 5221	42.11
46	19.655102	206.50	20.401895	208.39	.325 4263	43.19	.340 7747	42.10
47	19.667493	206.53	20.414399	208.43	.325 6854	43.17	.341 0272	42.08
48	19.679886	206.57	20.426906	208.46	.325 9443	43.15	.341 2796	42.06
49	19.692281	206.60	20.439415	208.49	.326 2032	43.13	.341 5319	42.04
50	19.704678	206.63	20.451925	208.52	1.326 4619	43.11	1.341 7841	42.03
51	19.717076	206.66	20.464437	208.56	.326 7205	43.09	.342 0362	42.01
52	19.729477	206.69	20.476952	208.59	.326 9790	43.07	.342 2882	41.99
53	19.741879	206.72	20.489468	208.62	.327 2374	43.05	.342 5401	41.97
54	19.754283	206.75	20.501986	208.65	.327 4957	43.04	.342 7919	41.96
55	19.766689	206.78	20.514506	208.69	1.327 7538	43.02	1.343 0436	41.94
56	19.779097	206.81	20.527029	208.72	.328 0119	43.00	.343 2952	41.92
57	19.791507	206.84	20.539553	208.75	.328 2698	42.98	.343 5467	41.90
58	19.803919	206.88	20.552079	208.78	.328 5276	42.96	.343 7980	41.89
59	19.816332	206.91	20.564607	208.82	.328 7853	42.94	.344 0493	41.87
60	19.828747	206.94	20.577137	208.85	1.329 0430	42.92	1.344 3005	41.85

Tafel VI.

Die Barker'sche Tafel.

$v.$	32^0		33^0		34^0		35^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.344 3005	41.85	1.359 1859	40.86	1.373 7251	39.93	1.387 9418	39.06
1	.344 5515	41.84	.359 4310	40.84	.373 9646	39.91	.388 1761	39.05
2	.344 8025	41.82	.359 6760	40.82	.374 2041	39.90	.388 4104	39.04
3	.345 0534	41.80	.359 9209	40.81	.374 4434	39.88	.388 6446	39.02
4	.345 3041	41.78	.360 1657	40.79	.374 6827	39.87	.388 8787	39.01
5	1.345 5548	41.77	1.360 4104	40.78	1.374 9218	39.85	1.389 1127	38.99
6	.345 8053	41.75	.360 6550	40.76	.375 1609	39.84	.389 3466	38.98
7	.346 0558	41.73	.360 8995	40.74	.375 3999	39.82	.389 5804	38.97
8	.346 3061	41.72	.361 1439	40.73	.375 6388	39.81	.389 8142	38.95
9	.346 5564	41.70	.361 3883	40.71	.375 8776	39.79	.390 0479	38.94
10	1.346 8065	41.68	1.361 6325	40.70	1.376 1164	39.78	1.390 2815	38.93
11	.347 0565	41.66	.361 8766	40.68	.376 3550	39.77	.390 5150	38.91
12	.347 3065	41.65	.362 1207	40.66	.376 5935	39.75	.390 7484	38.90
13	.347 5563	41.63	.362 3646	40.65	.376 8320	39.74	.390 9817	38.88
14	.347 8060	41.61	.362 6084	40.63	.377 0703	39.72	.391 2150	38.87
15	1.348 0557	41.60	1.362 8522	40.62	1.377 3086	39.71	1.391 4482	38.86
16	.348 3052	41.58	.363 0959	40.60	.377 5468	39.69	.391 6813	38.84
17	.348 5546	41.56	.363 3394	40.59	.377 7849	39.68	.391 9143	38.83
18	.348 8040	41.55	.363 5829	40.57	.378 0230	39.66	.392 1472	38.82
19	.349 0532	41.53	.363 8263	40.56	.378 2609	39.65	.392 3801	38.80
20	1.349 3023	41.51	1.364 0696	40.54	1.378 4987	39.64	1.392 6128	38.79
21	.349 5513	41.50	.364 3128	40.52	.378 7365	39.62	.392 8455	38.77
22	.349 8003	41.48	.364 5559	40.51	.378 9742	39.61	.393 0781	38.76
23	.350 0491	41.46	.364 7989	40.49	.379 2117	39.59	.393 3107	38.75
24	.350 2978	41.45	.365 0418	40.48	.379 4492	39.58	.393 5431	38.73
25	1.350 5464	41.43	1.365 2846	40.46	1.379 6866	39.56	1.393 7755	38.72
26	.350 7950	41.41	.365 5273	40.45	.379 9240	39.55	.394 0078	38.71
27	.351 0434	41.40	.365 7699	40.43	.380 1612	39.53	.394 2400	38.69
28	.351 2917	41.38	.366 0125	40.41	.380 3983	39.52	.394 4721	38.68
29	.351 5399	41.36	.366 2549	40.40	.380 6354	39.50	.394 7041	38.67
30	1.351 7880	41.35	1.366 4973	40.38	1.380 8724	39.49	1.394 9361	38.65
31	.352 0361	41.33	.366 7395	40.37	.381 1093	39.47	.395 1680	38.64
32	.352 2840	41.31	.366 9817	40.35	.381 3461	39.46	.395 3998	38.63
33	.352 5318	41.30	.367 2238	40.34	.381 5828	39.45	.395 6315	38.61
34	.352 7795	41.28	.367 4657	40.32	.381 8194	39.43	.395 8631	38.60
35	1.353 0272	41.26	1.367 7076	40.31	1.382 0559	39.42	1.396 0947	38.59
36	.353 2747	41.25	.367 9494	40.29	.382 2924	39.40	.396 3262	38.57
37	.353 5221	41.23	.368 1911	40.28	.382 5288	39.39	.396 5576	38.56
38	.353 7694	41.21	.368 4327	40.26	.382 7651	39.37	.396 7889	38.55
39	.354 0167	41.20	.368 6742	40.25	.383 0013	39.36	.397 0201	38.53
40	1.354 2638	41.18	1.368 9157	40.23	1.383 2374	39.35	1.397 2513	38.52
41	.354 5108	41.16	.369 1570	40.21	.383 4734	39.33	.397 4823	38.51
42	.354 7578	41.15	.369 3983	40.20	.383 7093	39.32	.397 7133	38.49
43	.355 0046	41.13	.369 6394	40.18	.383 9452	39.30	.397 9442	38.48
44	.355 2513	41.11	.369 8805	40.17	.384 1809	39.29	.398 1751	38.47
45	1.355 4980	41.10	1.370 1214	40.15	1.384 4166	39.27	1.398 4058	38.45
46	.355 7445	41.08	.370 3623	40.14	.384 6522	39.26	.398 6365	38.44
47	.355 9909	41.07	.370 6031	40.12	.384 8878	39.25	.398 8671	38.43
48	.356 2373	41.05	.370 8438	40.11	.385 1232	39.23	.399 0976	38.41
49	.356 4836	41.03	.371 0844	40.09	.385 3585	39.22	.399 3281	38.40
50	1.356 7297	41.02	1.371 3249	40.08	1.385 5938	39.20	1.399 5584	38.39
51	.356 9758	41.00	.371 5654	40.06	.385 8290	39.19	.399 7887	38.37
52	.357 2217	40.98	.371 8057	40.05	.386 0641	39.18	.400 0189	38.36
53	.357 4676	40.97	.372 0459	40.03	.386 2991	39.16	.400 2491	38.35
54	.357 7134	40.95	.372 2861	40.02	.386 5340	39.15	.400 4791	38.33
55	1.357 9590	40.94	1.372 5261	40.00	1.386 7689	39.13	1.400 7091	38.32
56	.358 2046	40.92	.372 7661	39.99	.387 0036	39.12	.400 9390	38.31
57	.358 4501	40.90	.373 0060	39.97	.387 2383	39.11	.401 1688	38.30
58	.358 6954	40.89	.373 2458	39.96	.387 4729	39.09	.401 3985	38.28
59	.358 9407	40.87	.373 4855	39.94	.387 7074	39.08	.401 6282	38.27
60	1.359 1859	40.86	1.373 7251	39.93	1.387 9418	39.06	1.401 8578	38.26

Tafel VI.
Die Barker'sche Tafel.

v.	36^0		37^0		38^0		39^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.401 8578	38.26	1.415 4930	37.50	1.428 8662	36.80	1.441 9943	36.14
1	.402 0873	38.24	.415 7180	37.49	.429 0869	36.79	.442 2111	36.13
2	.402 3167	38.23	.415 9429	37.47	.429 3076	36.78	.442 4279	36.12
3	.402 5460	38.22	.416 1678	37.46	.429 5283	36.77	.442 6446	36.11
4	.402 7753	38.20	.416 3925	37.45	.429 7488	36.75	.442 8612	36.10
5	1.403 0045	38.19	1.416 6172	37.44	1.429 9693	36.74	1.443 0778	36.09
6	.403 2336	38.18	.416 8419	37.43	.430 1897	36.73	.443 2943	36.08
7	.403 4626	38.17	.417 0664	37.41	.430 4101	36.72	.443 5107	36.07
8	.403 6916	38.15	.417 2909	37.40	.430 6304	36.71	.443 7271	36.06
9	.403 9205	38.14	.417 5153	37.39	.430 8506	36.70	.443 9434	36.05
10	1.404 1493	38.13	1.417 7396	37.38	1.431 0708	36.69	1.444 1597	36.04
11	.404 3780	38.12	.417 9639	37.37	.431 2909	36.68	.444 3758	36.03
12	.404 6067	38.10	.418 1881	37.36	.431 5109	36.66	.444 5920	36.02
13	.404 8352	38.09	.418 4122	37.35	.431 7308	36.65	.444 8080	36.00
14	.405 0637	38.08	.418 6362	37.33	.431 9507	36.64	.445 0240	35.99
15	1.405 2921	38.06	1.418 8602	37.32	1.432 1705	36.63	1.445 2400	35.98
16	.405 5205	38.05	.419 0841	37.31	.432 3903	36.62	.445 4558	35.97
17	.405 7488	38.03	.419 3079	37.30	.432 6100	36.61	.445 6716	35.96
18	.405 9769	38.02	.419 5317	37.29	.432 8296	36.60	.445 8874	35.95
19	.406 2051	38.01	.419 7554	37.27	.433 0491	36.59	.446 1031	35.94
20	1.406 4331	38.00	1.419 9790	37.26	1.433 2686	36.57	1.446 3187	35.93
21	.406 6611	37.99	.420 2026	37.25	.433 4881	36.56	.446 5343	35.92
22	.406 8889	37.97	.420 4260	37.24	.433 7074	36.55	.446 7498	35.91
23	.407 1168	37.96	.420 6494	37.23	.433 9267	36.54	.446 9652	35.90
24	.407 3445	37.95	.420 8728	37.22	.434 1459	36.53	.447 1806	35.89
25	1.407 5721	37.94	1.421 0960	37.20	1.434 3651	36.52	1.447 3959	35.88
26	.407 7997	37.92	.421 3192	37.19	.434 5842	36.51	.447 6112	35.87
27	.408 0272	37.91	.421 5423	37.18	.434 8032	36.50	.447 8263	35.86
28	.408 2547	37.90	.421 7654	37.17	.435 0221	36.49	.448 0415	35.85
29	.408 4820	37.89	.421 9884	37.16	.435 2410	36.48	.448 2565	35.84
30	1.408 7093	37.87	1.422 2113	37.15	1.435 4598	36.47	1.448 4715	35.83
31	.408 9365	37.86	.422 4341	37.13	.435 6786	36.46	.448 6865	35.82
32	.409 1636	37.85	.422 6569	37.12	.435 8973	36.44	.448 9014	35.81
33	.409 3907	37.84	.422 8796	37.11	.436 1159	36.43	.449 1162	35.80
34	.409 6177	37.82	.423 1022	37.10	.436 3345	36.42	.449 3309	35.79
35	1.409 8446	37.81	1.423 3248	37.09	1.436 5530	36.41	1.449 5456	35.78
36	.410 0714	37.80	.423 5473	37.08	.436 7714	36.40	.449 7603	35.77
37	.410 2981	37.78	.423 7697	37.06	.436 9898	36.39	.449 9749	35.76
38	.410 5248	37.77	.423 9920	37.05	.437 2081	36.38	.450 1894	35.75
39	.410 7514	37.76	.424 2143	37.04	.437 4263	36.37	.450 4038	35.74
40	1.410 9780	37.75	1.424 4365	37.03	1.437 6445	36.36	1.450 6182	35.73
41	.411 2044	37.74	.424 6586	37.02	.437 8626	36.35	.450 8325	35.72
42	.411 4308	37.72	.424 8807	37.01	.438 0806	36.34	.451 0468	35.71
43	.411 6571	37.71	.425 1027	36.99	.438 2986	36.32	.451 2610	35.70
44	.411 8833	37.70	.425 3246	36.98	.438 5165	36.31	.451 4752	35.69
45	1.412 1095	37.69	1.425 5465	36.97	1.438 7344	36.30	1.451 6893	35.68
46	.412 3356	37.68	.425 7683	36.96	.438 9522	36.29	.451 9033	35.67
47	.412 5616	37.66	.425 9900	36.95	.439 1699	36.28	.452 1173	35.66
48	.412 7875	37.65	.426 2117	36.94	.439 3875	36.27	.452 3312	35.65
49	.413 0134	37.64	.426 4333	36.92	.439 6051	36.26	.452 5450	35.64
50	1.413 2392	37.63	1.426 6548	36.91	1.439 8226	36.25	1.452 7588	35.63
51	.413 4649	37.61	.426 8762	36.90	.440 0401	36.24	.452 9725	35.62
52	.413 6905	37.60	.427 0976	36.89	.440 2575	36.23	.453 1862	35.61
53	.413 9161	37.59	.427 3189	36.88	.440 4748	36.22	.453 3998	35.60
54	.414 1416	37.58	.427 5402	36.87	.440 6921	36.20	.453 6134	35.59
55	1.414 3670	37.56	1.427 7613	36.86	1.440 9093	36.19	1.453 8269	35.58
56	.414 5924	37.55	.427 9824	36.85	.441 1264	36.18	.454 0403	35.57
57	.414 8176	37.54	.428 2035	36.83	.441 3436	36.17	.454 2537	35.56
58	.415 0429	37.53	.428 4244	36.82	.441 5605	36.16	.454 4670	35.55
59	.415 2680	37.51	.428 6453	36.81	.441 7774	36.15	.454 6802	35.54
60	1.415 4930	37.50	1.428 8662	36.80	1.441 9943	36.14	1.454 8934	35.53

Tafel VI.

Die Barker'sche Tafel.

$v.$	40^0		41^0		42^0		43^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.454 8934	35.53	1.467 5782	34.95	1.480 0627	34.41	1.492 3597	33.91
1	.455 1065	35.52	.467 7879	34.94	.480 2691	34.40	.492 5631	33.90
2	.455 3196	35.51	.467 9976	34.93	.480 4755	34.40	.492 7665	33.89
3	.455 5326	35.50	.468 2071	34.92	.480 6819	34.39	.492 9698	33.88
4	.455 7456	35.49	.468 4166	34.91	.480 8882	34.38	.493 1731	33.87
5	1.455 9585	35.48	1.468 6261	34.90	1.481 0944	34.37	1.493 3764	33.87
6	.456 1713	35.47	.468 8355	34.90	.481 3006	34.36	.493 5796	33.86
7	.456 3841	35.46	.469 0448	34.89	.481 5068	34.35	.493 7827	33.85
8	.456 5968	35.45	.469 2541	34.88	.481 7129	34.34	.493 9858	33.84
9	.456 8094	35.44	.469 4634	34.87	.481 9189	34.33	.494 1888	33.83
10	1.457 0220	35.43	1.469 6725	34.86	1.482 1249	34.33	1.494 3918	33.83
11	.457 2346	35.42	.469 8817	34.85	.482 3308	34.32	.494 5948	33.82
12	.457 4470	35.41	.470 0907	34.84	.482 5367	34.31	.494 7977	33.81
13	.457 6595	35.40	.470 2998	34.83	.482 7425	34.30	.495 0005	33.80
14	.457 8718	35.39	.470 5087	34.82	.482 9483	34.29	.495 2033	33.79
15	1.458 0841	35.38	1.470 7176	34.81	1.483 1540	34.28	1.495 4061	33.79
16	.458 2964	35.37	.470 9265	34.80	.483 3597	34.28	.495 6088	33.78
17	.458 5086	35.36	.471 1353	34.79	.483 5653	34.27	.495 8114	33.77
18	.458 7207	35.35	.471 3440	34.79	.483 7709	34.26	.496 0140	33.76
19	.458 9328	35.34	.471 5527	34.78	.483 9764	34.25	.496 2166	33.75
20	1.459 1448	35.33	1.471 7613	34.77	1.484 1819	34.24	1.496 4191	33.75
21	.459 3567	35.32	.471 9699	34.76	.484 3873	34.23	.496 6216	33.74
22	.459 5686	35.31	.472 1784	34.75	.484 5927	34.22	.496 8240	33.73
23	.459 7805	35.30	.472 3869	34.74	.484 7980	34.22	.497 0264	33.72
24	.459 9922	35.29	.472 5953	34.73	.485 0033	34.21	.497 2287	33.71
25	1.460 2040	35.28	1.472 8037	34.73	1.485 2085	34.20	1.497 4310	33.71
26	.460 4156	35.27	.473 0120	34.72	.485 4137	34.19	.497 6332	33.70
27	.460 6272	35.26	.473 2203	34.71	.485 6188	34.18	.497 8354	33.69
28	.460 8388	35.25	.473 4285	34.70	.485 8239	34.17	.498 0376	33.68
29	.461 0503	35.24	.473 6366	34.69	.486 0289	34.16	.498 2396	33.68
30	1.461 2617	35.23	1.473 8447	34.68	1.486 2338	34.16	1.498 4417	33.67
31	.461 4731	35.23	.474 0527	34.67	.486 4388	34.15	.498 6437	33.66
32	.461 6844	35.22	.474 2607	34.66	.486 6436	34.14	.498 8456	33.65
33	.461 8957	35.21	.474 4686	34.65	.486 8484	34.13	.499 0475	33.65
34	.462 1069	35.20	.474 6765	34.64	.487 0532	34.12	.499 2494	33.64
35	1.462 3180	35.19	1.474 8843	34.63	1.487 2579	34.12	1.499 4512	33.63
36	.462 5291	35.18	.475 0921	34.62	.487 4626	34.11	.499 6530	33.62
37	.462 7401	35.17	.475 2998	34.61	.487 6672	34.10	.499 8547	33.62
38	.462 9511	35.16	.475 5075	34.61	.487 8718	34.09	.500 0563	33.61
39	.463 1620	35.15	.475 7151	34.60	.488 0763	34.08	.500 2580	33.60
40	1.463 3729	35.14	1.475 9227	34.59	1.488 2807	34.07	1.500 4595	33.59
41	.463 5837	35.13	.476 1302	34.58	.488 4852	34.07	.500 6611	33.58
42	.463 7944	35.12	.476 3376	34.57	.488 6895	34.06	.500 8625	33.58
43	.464 0051	35.11	.476 5450	34.56	.488 8939	34.05	.501 0640	33.57
44	.464 2158	35.10	.476 7524	34.55	.489 0981	34.04	.501 2654	33.56
45	1.464 4263	35.09	1.476 9596	34.54	1.489 3023	34.03	1.501 4667	33.55
46	.464 6369	35.08	.477 1669	34.54	.489 5065	34.02	.501 6680	33.55
47	.464 8473	35.07	.477 3741	34.53	.489 7106	34.02	.501 8693	33.54
48	.465 0577	35.06	.477 5812	34.52	.489 9147	34.01	.502 0705	33.53
49	.465 2681	35.05	.477 7883	34.51	.490 1187	34.00	.502 2716	33.52
50	1.465 4784	35.04	1.477 9953	34.50	1.490 3227	33.99	1.502 4727	33.51
51	.465 6886	35.04	.478 2023	34.49	.490 5266	33.98	.502 6738	33.51
52	.465 8988	35.03	.478 4092	34.48	.490 7305	33.97	.502 8748	33.50
53	.466 1090	35.02	.478 6161	34.47	.490 9343	33.96	.503 0758	33.49
54	.466 3190	35.01	.478 8229	34.46	.491 1381	33.95	.503 2767	33.48
55	1.466 5290	35.00	1.479 0297	34.46	1.491 3418	33.95	1.503 4776	33.48
56	.466 7390	34.99	.479 2364	34.45	.491 5455	33.94	.503 6784	33.47
57	.466 9489	34.98	.479 4430	34.44	.491 7491	33.93	.503 8792	33.46
58	.467 1587	34.97	.479 6496	34.43	.491 9527	33.92	.504 0800	33.45
59	.467 3685	34.96	.479 8562	34.42	.492 1562	33.91	.504 2807	33.44
60	1.467 5782	34.95	1.480 0627	34.41	1.492 3597	33.91	1.504 4813	33.44

Tafel VI.
Die Barker'sche Tafel.

v.	44^0		45^0		46^0		47^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.504 4813	33.44	1.516 4390	33.00	1.528 2435	32.59	1.539 9048	32.20
1	.504 6819	33.43	.516 6370	32.99	.528 4390	32.58	.540 0980	32.20
2	.504 8825	33.42	.516 8349	32.98	.528 6344	32.57	.540 2912	32.19
3	.505 0830	33.42	.517 0328	32.98	.528 8299	32.57	.540 4843	32.18
4	.505 2835	33.41	.517 2306	32.97	.529 0252	32.56	.540 6774	32.18
5	1.505 4839	33.40	1.517 4284	32.96	1.529 2206	32.55	1.540 8705	32.17
6	.505 6843	33.39	.517 6262	32.96	.529 4159	32.55	.541 0635	32.17
7	.505 8846	33.39	.517 8239	32.95	.529 6112	32.54	.541 2564	32.16
8	.506 0849	33.38	.518 0216	32.94	.529 8064	32.53	.541 4494	32.15
9	.506 2852	33.37	.518 2192	32.93	.530 0016	32.53	.541 6423	32.15
10	1.506 4854	33.36	1.518 4168	32.93	1.530 1967	32.52	1.541 8352	32.14
11	.506 6855	33.36	.518 6143	32.92	.530 3918	32.51	.542 0280	32.14
12	.506 8856	33.35	.518 8118	32.91	.530 5869	32.51	.542 2208	32.13
13	.507 0857	33.34	.519 0093	32.91	.530 7819	32.50	.542 4135	32.12
14	.507 2857	33.33	.519 2067	32.90	.530 9769	32.49	.542 6063	32.11
15	1.507 4857	33.33	1.519 4041	32.89	1.531 1719	32.49	1.542 7989	32.11
16	.507 6856	33.32	.519 6014	32.89	.531 3668	32.48	.542 9916	32.10
17	.507 8855	33.31	.519 7987	32.88	.531 5616	32.48	.543 1842	32.10
18	.508 0853	33.30	.519 9960	32.87	.531 7565	32.47	.543 3768	32.09
19	.508 2851	33.29	.520 1932	32.86	.531 9513	32.46	.543 5693	32.09
20	1.508 4849	33.29	1.520 3904	32.86	1.532 1460	32.46	1.543 7618	32.08
21	.508 6846	33.28	.520 5875	32.85	.532 3407	32.45	.543 9543	32.08
22	.508 8843	33.27	.520 7846	32.84	.532 5354	32.44	.544 1467	32.07
23	.509 0839	33.27	.520 9816	32.84	.532 7300	32.44	.544 3391	32.06
24	.509 2835	33.26	.521 1786	32.83	.532 9246	32.43	.544 5315	32.06
25	1.509 4830	33.25	1.521 3756	32.82	1.533 1192	32.43	1.544 7238	32.05
26	.509 6825	33.24	.521 5725	32.82	.533 3137	32.42	.544 9161	32.04
27	.509 8819	33.24	.521 7694	32.81	.533 5082	32.42	.545 1083	32.04
28	.510 0813	33.23	.521 9662	32.80	.533 7027	32.41	.545 3005	32.03
29	.510 2807	33.22	.522 1630	32.80	.533 8971	32.40	.545 4927	32.03
30	1.510 4800	33.21	1.522 3598	32.79	1.534 0914	32.39	1.545 6849	32.02
31	.510 6792	33.21	.522 5565	32.78	.534 2858	32.39	.545 8770	32.02
32	.510 8785	33.20	.522 7531	32.78	.534 4801	32.38	.546 0690	32.01
33	.511 0776	33.19	.522 9498	32.78	.534 6743	32.37	.546 2611	32.00
34	.511 2768	33.18	.523 1464	32.77	.534 8685	32.37	.546 4531	32.00
35	1.511 4759	33.18	1.523 3429	32.76	1.535 0627	32.36	1.546 6450	31.99
36	.511 6749	33.17	.523 5394	32.75	.535 2568	32.35	.546 8370	31.98
37	.511 8739	33.16	.523 7359	32.74	.535 4509	32.35	.547 0289	31.98
38	.512 0729	33.15	.523 9323	32.73	.535 6450	32.34	.547 2207	31.97
39	.512 2718	33.15	.524 1287	32.73	.535 8390	32.33	.547 4125	31.97
40	1.512 4707	33.14	1.524 3251	32.72	1.536 0330	32.33	1.547 6043	31.96
41	.512 6695	33.13	.524 5214	32.71	.536 2270	32.32	.547 7961	31.96
42	.512 8683	33.13	.524 7176	32.71	.536 4209	32.32	.547 9878	31.95
43	.513 0670	33.12	.524 9138	32.70	.536 6148	32.31	.548 1795	31.94
44	.513 2657	33.11	.525 1100	32.70	.536 8086	32.30	.548 3711	31.94
45	1.513 4644	33.11	1.525 3062	32.69	1.537 0024	32.30	1.548 5627	31.93
46	.513 6630	33.10	.525 5023	32.68	.537 1962	32.29	.548 7543	31.93
47	.513 8615	33.09	.525 6983	32.67	.537 3899	32.28	.548 9458	31.92
48	.514 0601	33.08	.525 8944	32.67	.537 5836	32.28	.549 1373	31.91
49	.514 2586	33.07	.526 0903	32.66	.537 7772	32.27	.549 3288	31.91
50	1.514 4570	33.07	1.526 2863	32.65	1.537 9708	32.26	1.549 5202	31.90
51	.514 6554	33.06	.526 4822	32.64	.538 1644	32.26	.549 7116	31.90
52	.514 8537	33.05	.526 6780	32.64	.538 3579	32.25	.549 9030	31.89
53	.515 0520	33.05	.526 8739	32.63	.538 5514	32.25	.550 0943	31.88
54	.515 2503	33.04	.527 0696	32.62	.538 7449	32.24	.550 2856	31.88
55	1.515 4485	33.04	1.527 2654	32.62	1.538 9383	32.23	1.550 4769	31.87
56	.515 6467	33.03	.527 4611	32.61	.539 1317	32.23	.550 6681	31.87
57	.515 8449	33.02	.527 6567	32.61	.539 3250	32.22	.550 8593	31.86
58	.516 0430	33.01	.527 8524	32.60	.539 5183	32.21	.551 0504	31.86
59	.516 2410	33.01	.528 0479	32.60	.539 7116	32.21	.551 2416	31.85
60	1.516 4390	33.00	1.528 2435	32.59	1.539 9048	32.20	1.551 4326	31.85

Tafel VI.
Die Barker'sche Tafel.

$v.$	48^0		49^0		50^0		51^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.551 4326	31.85	1.562 8360	31.51	1.574 1234	31.20	1.585 3031	30.91
1	.551 6237	31.84	.563 0250	31.51	.574 3106	31.20	.585 4886	30.91
2	.551 8147	31.83	.563 2140	31.50	.574 4977	31.19	.585 6740	30.90
3	.552 0057	31.83	.563 4030	31.50	.574 6849	31.19	.585 8594	30.90
4	.552 1966	31.82	.563 5920	31.49	.574 8720	31.18	.586 0448	30.89
5	1.552 3876	31.82	1.563 7809	31.48	1.575 0590	31.18	1.586 2302	30.89
6	.552 5784	31.81	.563 9698	31.48	.575 2461	31.17	.586 4155	30.89
7	.552 7693	31.80	.564 1586	31.47	.575 4331	31.17	.586 6008	30.88
8	.552 9601	31.80	.564 3475	31.47	.575 6201	31.16	.586 7859	30.87
9	.553 1508	31.79	.564 5363	31.46	.575 8070	31.16	.586 9713	30.87
10	1.553 3416	31.79	1.564 7250	31.46	1.575 9939	31.15	1.587 1565	30.87
11	.553 5323	31.78	.564 9138	31.45	.576 1808	31.15	.587 3417	30.86
12	.553 7230	31.78	.565 1025	31.45	.576 3677	31.14	.587 5268	30.86
13	.553 9136	31.77	.565 2911	31.44	.576 5546	31.14	.587 7120	30.85
14	.554 1042	31.76	.565 4798	31.44	.576 7414	31.13	.587 8971	30.85
15	1.554 2948	31.76	1.565 6684	31.43	1.576 9281	31.13	1.588 0821	30.84
16	.554 4853	31.75	.565 8569	31.43	.577 1149	31.12	.588 2672	30.84
17	.554 6758	31.75	.566 0455	31.42	.577 3016	31.12	.588 4522	30.83
18	.554 8663	31.74	.566 2340	31.41	.577 4883	31.11	.588 6372	30.83
19	.555 0567	31.74	.566 4225	31.41	.577 6749	31.11	.588 8222	30.83
20	1.555 2472	31.73	1.566 6109	31.40	1.577 8615	31.10	1.589 0071	30.82
21	.555 4375	31.73	.566 7993	31.40	.578 0481	31.10	.589 1920	30.82
22	.555 6279	31.72	.566 9877	31.39	.578 2347	31.09	.589 3769	30.81
23	.555 8182	31.71	.567 1761	31.39	.578 4213	31.09	.589 5618	30.81
24	.556 0084	31.71	.567 3644	31.38	.578 6078	31.08	.589 7466	30.80
25	1.556 1987	31.70	1.567 5527	31.38	1.578 7942	31.08	1.589 9314	30.80
26	.556 3888	31.70	.567 7409	31.37	.578 9807	31.07	.590 1162	30.79
27	.556 5790	31.69	.567 9291	31.37	.579 1671	31.07	.590 3009	30.79
28	.556 7691	31.68	.568 1173	31.36	.579 3535	31.06	.590 4857	30.78
29	.556 9592	31.68	.568 3055	31.36	.579 5399	31.06	.590 6704	30.78
30	1.557 1493	31.67	1.568 4936	31.35	1.579 7262	31.06	1.590 8550	30.78
31	.557 3393	31.67	.568 6817	31.35	.579 9125	31.05	.591 0397	30.77
32	.557 5293	31.66	.568 8698	31.34	.580 0988	31.04	.591 2243	30.77
33	.557 7193	31.66	.569 0579	31.34	.580 2851	31.04	.591 4089	30.76
34	.557 9092	31.65	.569 2459	31.33	.580 4713	31.03	.591 5935	30.76
35	1.558 0991	31.65	1.569 4338	31.33	1.580 6575	31.03	1.591 7780	30.75
36	.558 2890	31.64	.569 6218	31.32	.580 8436	31.03	.591 9625	30.75
37	.558 4788	31.64	.569 8097	31.32	.581 0298	31.02	.592 1470	30.75
38	.558 6686	31.63	.569 9976	31.31	.581 2159	31.02	.592 3315	30.74
39	.558 8584	31.62	.570 1854	31.30	.581 4020	31.01	.592 5159	30.74
40	1.559 0482	31.62	1.570 3733	31.30	1.581 5880	31.01	1.592 7003	30.73
41	.559 2379	31.61	.570 5611	31.29	.581 7740	31.00	.592 8847	30.73
42	.559 4275	31.61	.570 7488	31.29	.581 9600	31.00	.593 0690	30.72
43	.559 6172	31.60	.570 9366	31.28	.582 1460	30.99	.593 2534	30.72
44	.559 8068	31.60	.571 1243	31.28	.582 3319	30.99	.593 4377	30.72
45	1.559 9963	31.59	1.571 3119	31.28	1.582 5179	30.98	1.593 6219	30.71
46	.560 1859	31.59	.571 4996	31.27	.582 7037	30.98	.593 8062	30.71
47	.560 3754	31.58	.571 6872	31.27	.582 8896	30.97	.593 9904	30.70
48	.560 5648	31.57	.571 8748	31.26	.583 0754	30.97	.594 1746	30.70
49	.560 7543	31.57	.572 0623	31.26	.583 2612	30.96	.594 3588	30.69
50	1.560 9437	31.56	1.572 2499	31.25	1.583 4470	30.96	1.594 5429	30.69
51	.561 1331	31.56	.572 4373	31.25	.583 6327	30.95	.594 7270	30.68
52	.561 3224	31.55	.572 6248	31.24	.583 8184	30.95	.594 9111	30.68
53	.561 5117	31.55	.572 8123	31.24	.584 0041	30.94	.595 0952	30.68
54	.561 7010	31.54	.572 9997	31.23	.584 1898	30.94	.595 2792	30.67
55	1.561 8902	31.54	1.573 1870	31.23	1.584 3754	30.94	1.595 4633	30.67
56	.562 0794	31.53	.573 3743	31.22	.584 5610	30.93	.595 6473	30.66
57	.562 2686	31.53	.573 5616	31.22	.584 7466	30.93	.595 8312	30.66
58	.562 4578	31.52	.573 7489	31.21	.584 9321	30.92	.596 0151	30.65
59	.562 6469	31.52	.573 9362	31.21	.585 1176	30.92	.596 1990	30.65
60	1.562 8360	31.51	1.574 1234	31.20	1.585 3031	30.91	1.596 3829	30.65

Tafel VI.

Die Barker'sche Tafel.

$v.$	52^0		53^0		54^0		55^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.596 3829	30.65	1.607 3703	30.40	1.618 2724	30.17	1.629 0959	29.96
1	.596 5668	30.64	.607 5527	30.39	.618 4534	30.17	.629 2757	29.96
2	.596 7506	30.64	.607 7350	30.39	.618 6344	30.16	.629 4554	29.96
3	.596 9344	30.63	.607 9174	30.39	.618 8153	30.16	.629 6351	29.95
4	.597 1182	30.63	.608 0997	30.38	.618 9963	30.16	.629 8148	29.95
5	1.597 3020	30.62	1.608 2820	30.38	1.619 1772	30.15	1.629 9945	29.95
6	.597 4857	30.62	.608 4642	30.38	.619 3581	30.15	.630 1742	29.94
7	.597 6694	30.62	.608 6465	30.37	.619 5390	30.15	.630 3538	29.94
8	.597 8531	30.61	.608 8287	30.37	.619 7199	30.14	.630 5335	29.94
9	.598 0368	30.61	.609 0109	30.36	.619 9007	30.14	.630 7131	29.93
10	1.598 2204	30.60	1.609 1931	30.36	1.620 0816	30.14	1.630 8927	29.93
11	.598 4040	30.60	.609 3752	30.36	.620 2623	30.13	.631 0722	29.93
12	.598 5876	30.59	.609 5573	30.35	.620 4431	30.13	.631 2518	29.92
13	.598 7711	30.59	.609 7394	30.35	.620 6239	30.12	.631 4313	29.92
14	.598 9547	30.59	.609 9215	30.34	.620 8046	30.12	.631 6108	29.92
15	1.599 1382	30.58	1.610 1036	30.34	1.620 9853	30.12	1.631 7903	29.91
16	.599 3217	30.58	.610 2856	30.34	.621 1660	30.11	.631 9698	29.91
17	.599 5051	30.57	.610 4676	30.33	.621 3467	30.11	.632 1492	29.91
18	.599 6885	30.57	.610 6496	30.33	.621 5274	30.11	.632 3286	29.90
19	.599 8719	30.57	.610 8315	30.32	.621 7080	30.10	.632 5081	29.90
20	1.600 0553	30.56	1.611 0135	30.32	1.621 8886	30.10	1.632 6875	29.90
21	.600 2387	30.56	.611 1954	30.32	.622 0692	30.10	.632 8668	29.89
22	.600 4220	30.55	.611 3773	30.31	.622 2497	30.09	.633 0462	29.89
23	.600 6053	30.55	.611 5591	30.31	.622 4303	30.09	.633 2255	29.89
24	.600 7886	30.55	.611 7410	30.31	.622 6108	30.09	.633 4048	29.88
25	1.600 9718	30.54	1.611 9228	30.30	1.622 7913	30.08	1.633 5841	29.88
26	.601 1551	30.54	.612 1046	30.30	.622 9718	30.08	.633 7634	29.88
27	.601 3383	30.53	.612 2864	30.29	.623 1523	30.08	.633 9427	29.87
28	.601 5214	30.53	.612 4681	30.29	.623 3327	30.07	.634 1219	29.87
29	.601 7046	30.52	.612 6499	30.29	.623 5131	30.07	.634 3011	29.87
30	1.601 8877	30.52	1.612 8316	30.28	1.623 6935	30.06	1.634 4803	29.86
31	.602 0708	30.52	.613 0132	30.28	.623 8739	30.06	.634 6595	29.86
32	.602 2539	30.51	.613 1949	30.28	.624 0543	30.06	.634 8387	29.86
33	.602 4370	30.51	.613 3765	30.27	.624 2346	30.05	.635 0178	29.86
34	.602 6200	30.50	.613 5582	30.27	.624 4149	30.05	.635 1969	29.85
35	1.602 8030	30.50	1.613 7398	30.26	1.624 5952	30.05	1.635 3760	29.85
36	.602 9860	30.50	.613 9213	30.26	.624 7755	30.04	.635 5551	29.85
37	.603 1690	30.49	.614 1029	30.26	.624 9557	30.04	.635 7342	29.84
38	.603 3519	30.49	.614 2844	30.25	.625 1360	30.04	.635 9132	29.84
39	.603 5348	30.48	.614 4659	30.25	.625 3162	30.03	.636 0922	29.84
40	1.603 7177	30.48	1.614 6474	30.25	1.625 4964	30.03	1.636 2713	29.83
41	.603 9005	30.47	.614 8288	30.24	.625 6765	30.03	.636 4502	29.83
42	.604 0834	30.47	.615 0103	30.24	.625 8567	30.02	.636 6292	29.83
43	.604 2662	30.47	.615 1917	30.23	.626 0368	30.02	.636 8082	29.82
44	.604 4490	30.46	.615 3731	30.23	.626 2169	30.02	.636 9871	29.82
45	1.604 6317	30.46	1.615 5545	30.23	1.626 3970	30.01	1.637 1660	29.82
46	.604 8145	30.45	.615 7358	30.22	.626 5771	30.01	.637 3449	29.82
47	.604 9972	30.45	.615 9171	30.22	.626 7571	30.01	.637 5238	29.81
48	.605 1799	30.45	.616 0984	30.22	.626 9372	30.00	.637 7027	29.81
49	.605 3626	30.44	.616 2797	30.21	.627 1172	30.00	.637 8815	29.81
50	1.605 5452	30.44	1.616 4610	30.21	1.627 2972	30.00	1.638 0603	29.80
51	.605 7278	30.43	.616 6422	30.20	.627 4771	29.99	.638 2391	29.80
52	.605 9104	30.43	.616 8234	30.20	.627 6571	29.99	.638 4179	29.80
53	.606 0930	30.43	.617 0046	30.20	.627 8370	29.99	.638 5967	29.79
54	.606 2755	30.42	.617 1858	30.19	.628 0169	29.98	.638 7754	29.79
55	1.606 4581	30.42	1.617 3669	30.19	1.628 1968	29.98	1.638 9542	29.79
56	.606 6406	30.42	.617 5481	30.19	.628 3766	29.98	.639 1329	29.78
57	.606 8230	30.41	.617 7292	30.18	.628 5565	29.97	.639 3116	29.78
58	.607 0055	30.41	.617 9102	30.18	.628 7363	29.97	.639 4902	29.78
59	.607 1879	30.40	.618 0913	30.17	.628 9161	29.97	.639 6689	29.77
60	1.607 3703	30.40	1.618 2724	30.17	1.629 0959	29.96	1.639 8475	29.77

Tafel VI.

Die Barker'sche Tafel.

$v.$	56^0		57^0		58^0		59^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.639 8475	29.77	1.650 5336	29.60	1.661 1601	29.44	1.671 7331	29.30
1	.640 0262	29.77	.650 7112	29.60	.661 3368	29.44	.671 9089	29.30
2	.640 2048	29.77	.650 8887	29.59	.661 5134	29.44	.672 0846	29.30
3	.640 3833	29.76	.651 0663	29.59	.661 6900	29.43	.672 2604	29.29
4	.640 5619	29.76	.651 2438	29.59	.661 8666	29.43	.672 4362	29.29
5	1.640 7405	29.76	1.651 4213	29.58	1.662 0432	29.43	1.672 6119	29.29
6	.640 9190	29.75	.651 5988	29.58	.662 2197	29.43	.672 7876	29.29
7	.641 0975	29.75	.651 7763	29.58	.662 3963	29.42	.672 9634	29.28
8	.641 2760	29.75	.651 9538	29.58	.662 5728	29.42	.673 1391	29.28
9	.641 4545	29.74	.652 1312	29.57	.662 7493	29.42	.673 3147	29.28
10	1.641 6329	29.74	1.652 3086	29.57	1.662 9258	29.42	1.673 4904	29.28
11	.641 8114	29.74	.652 4861	29.57	.663 1023	29.41	.673 6661	29.28
12	.641 9898	29.74	.652 6635	29.57	.663 2788	29.41	.673 8417	29.27
13	.642 1682	29.73	.652 8408	29.56	.663 4553	29.41	.674 0174	29.27
14	.642 3466	29.73	.653 0182	29.56	.663 6317	29.41	.674 1930	29.27
15	1.642 5250	29.73	1.653 1956	29.56	1.663 8082	29.40	1.674 3686	29.27
16	.642 7033	29.72	.653 3729	29.55	.663 9846	29.40	.674 5442	29.27
17	.642 8816	29.72	.653 5502	29.55	.664 1610	29.40	.674 7198	29.26
18	.643 0599	29.72	.653 7275	29.55	.664 3374	29.40	.674 8954	29.26
19	.643 2382	29.71	.653 9048	29.55	.664 5137	29.39	.675 0709	29.26
20	1.643 4165	29.71	1.654 0821	29.54	1.664 6901	29.39	1.675 2465	29.26
21	.643 5948	29.71	.654 2593	29.54	.664 8664	29.39	.675 4220	29.25
22	.643 7730	29.71	.654 4366	29.54	.665 0428	29.39	.675 5975	29.25
23	.643 9513	29.70	.654 6138	29.54	.665 2191	29.39	.675 7730	29.25
24	.644 1295	29.70	.654 7910	29.53	.665 3954	29.38	.675 9485	29.25
25	1.644 3077	29.70	1.654 9682	29.53	1.665 5717	29.38	1.676 1240	29.25
26	.644 4858	29.69	.655 1454	29.53	.665 7480	29.38	.676 2995	29.24
27	.644 6640	29.69	.655 3225	29.53	.665 9242	29.38	.676 4749	29.24
28	.644 8421	29.69	.655 4997	29.52	.666 1005	29.37	.676 6504	29.24
29	.645 0203	29.69	.655 6768	29.52	.666 2767	29.37	.676 8258	29.24
30	1.645 1984	29.68	1.655 8539	29.52	1.666 4529	29.37	1.677 0012	29.24
31	.645 3765	29.68	.656 0310	29.51	.666 6291	29.37	.677 1766	29.23
32	.645 5545	29.68	.656 2081	29.51	.666 8053	29.36	.677 3520	29.23
33	.645 7326	29.67	.656 3852	29.51	.666 9815	29.36	.677 5274	29.23
34	.645 9106	29.67	.656 5622	29.51	.667 1577	29.36	.677 7028	29.23
35	1.646 0886	29.67	1.656 7392	29.50	1.667 3338	29.36	1.677 8781	29.23
36	.646 2666	29.67	.656 9163	29.50	.667 5100	29.35	.678 0535	29.22
37	.646 4446	29.66	.657 0933	29.50	.667 6861	29.35	.678 2288	29.22
38	.646 6226	29.66	.657 2703	29.50	.667 8622	29.35	.678 4041	29.22
39	.646 8005	29.66	.657 4472	29.49	.668 0383	29.35	.678 5794	29.22
40	1.646 9785	29.65	1.657 6242	29.49	1.668 2144	29.35	1.678 7547	29.22
41	.647 1564	29.65	.657 8011	29.49	.668 3904	29.34	.678 9300	29.21
42	.647 3343	29.65	.657 9781	29.49	.668 5665	29.34	.679 1053	29.21
43	.647 5122	29.65	.658 1550	29.48	.668 7425	29.34	.679 2806	29.21
44	.647 6900	29.64	.658 3318	29.48	.668 9185	29.34	.679 4558	29.21
45	1.647 8679	29.64	1.658 5087	29.48	1.669 0945	29.33	1.679 6310	29.20
46	.648 0457	29.64	.658 6855	29.48	.669 2705	29.33	.679 8063	29.20
47	.648 2235	29.63	.658 8624	29.47	.669 4465	29.33	.679 9815	29.20
48	.648 4013	29.63	.659 0393	29.47	.669 6225	29.33	.680 1567	29.20
49	.648 5791	29.63	.659 2161	29.47	.669 7984	29.32	.680 3319	29.20
50	1.648 7569	29.63	1.659 3929	29.47	1.669 9744	29.32	1.680 5070	29.19
51	.648 9346	29.62	.659 5697	29.46	.670 1503	29.32	.680 6822	29.19
52	.649 1123	29.62	.659 7465	29.46	.670 3262	29.32	.680 8574	29.19
53	.649 2901	29.62	.659 9232	29.46	.670 5021	29.32	.681 0325	29.19
54	.649 4677	29.61	.660 1000	29.46	.670 6780	29.31	.681 2076	29.19
55	1.649 6454	29.61	1.660 2767	29.45	1.670 8539	29.31	1.681 3827	29.18
56	.649 8231	29.61	.660 4534	29.45	.671 0298	29.31	.681 5578	29.18
57	.650 0007	29.61	.660 6301	29.45	.671 2056	29.31	.681 7329	29.18
58	.650 1784	29.60	.660 8068	29.45	.671 3814	29.30	.681 9080	29.18
59	.650 3560	29.60	.660 9835	29.44	.671 5573	29.30	.682 0831	29.18
60	1.650 5336	29.60	1.661 1601	29.44	1.671 7331	29.30	1.682 2581	29.17

Tafel VI.

Die Barker'sche Tafel.

$v.$	60^0		61^0		62^0		63^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.682 2581	29.17	1.692 7408	29.07	1.703 1866	28.97	1.713 6006	28.89
1	.682 4332	29.17	.692 9152	29.06	.703 3604	28.97	.713 7739	28.89
2	.682 6082	29.17	.693 0896	29.06	.703 5342	28.97	.713 9473	28.89
3	.682 7832	29.17	.693 2640	29.06	.703 7080	28.97	.714 1206	28.88
4	.682 9582	29.17	.693 4383	29.06	.703 8818	28.96	.714 2939	28.88
5	1.683 1332	29.16	1.693 6127	29.06	1.704 0556	28.96	1.714 4672	28.88
6	.683 3082	29.16	.693 7870	29.05	.704 2293	28.96	.714 6405	28.88
7	.683 4832	29.16	.693 9613	29.05	.704 4031	28.96	.714 8138	28.88
8	.683 6581	29.16	.694 1356	29.05	.704 5768	28.96	.714 9870	28.88
9	.683 8331	29.16	.694 3099	29.05	.704 7506	28.96	.715 1603	28.88
10	1.684 0080	29.16	1.694 4842	29.05	1.704 9243	28.96	1.715 3336	28.88
11	.684 1830	29.15	.694 6585	29.04	.705 0981	28.95	.715 5068	28.88
12	.684 3579	29.15	.694 8328	29.04	.705 2718	28.95	.715 6801	28.87
13	.684 5328	29.15	.695 0070	29.04	.705 4455	28.95	.715 8533	28.87
14	.684 7077	29.15	.695 1813	29.04	.705 6192	28.95	.716 0266	28.87
15	1.684 8826	29.14	1.695 3555	29.04	1.705 7929	28.95	1.716 1998	28.87
16	.685 0574	29.14	.695 5298	29.04	.705 9666	28.95	.716 3730	28.87
17	.685 2323	29.14	.695 7040	29.04	.706 1402	28.95	.716 5462	28.87
18	.685 4071	29.14	.695 8782	29.03	.706 3139	28.94	.716 7194	28.87
19	.685 5820	29.14	.696 0524	29.03	.706 4875	28.94	.716 8926	28.87
20	1.685 7568	29.14	1.696 2266	29.03	1.706 6612	28.94	1.717 0658	28.86
21	.685 9316	29.13	.696 4008	29.03	.706 8348	28.94	.717 2390	28.86
22	.686 1064	29.13	.696 5750	29.03	.707 0085	28.94	.717 4122	28.86
23	.686 2812	29.13	.696 7491	29.03	.707 1821	28.94	.717 5853	28.86
24	.686 4560	29.13	.696 9233	29.02	.707 3557	28.94	.717 7585	28.86
25	1.686 6308	29.13	1.697 0974	29.02	1.707 5293	28.93	1.717 9317	28.86
26	.686 8055	29.13	.697 2716	29.02	.707 7029	28.93	.718 1048	28.86
27	.686 9803	29.12	.697 4457	29.02	.707 8765	28.93	.718 2780	28.86
28	.687 1550	29.12	.697 6198	29.02	.708 0501	28.93	.718 4511	28.86
29	.687 3297	29.12	.697 7939	29.02	.708 2237	28.93	.718 6242	28.85
30	1.687 5044	29.12	1.697 9680	29.02	1.708 3972	28.93	1.718 7974	28.85
31	.687 6791	29.12	.698 1421	29.01	.708 5708	28.93	.718 9705	28.85
32	.687 8538	29.11	.698 3162	29.01	.708 7444	28.92	.719 1436	28.85
33	.688 0285	29.11	.698 4902	29.01	.708 9179	28.92	.719 3167	28.85
34	.688 2032	29.11	.698 6643	29.01	.709 0914	28.92	.719 4898	28.85
35	1.688 3778	29.11	1.698 8383	29.01	1.709 2650	28.92	1.719 6629	28.85
36	.688 5525	29.11	.699 0124	29.01	.709 4385	28.92	.719 8360	28.85
37	.688 7271	29.10	.699 1864	29.00	.709 6120	28.92	.720 0090	28.85
38	.688 9017	29.10	.699 3604	29.00	.709 7855	28.92	.720 1821	28.84
39	.689 0764	29.10	.699 5345	29.00	.709 9590	28.92	.720 3552	28.84
40	1.689 2510	29.10	1.699 7085	29.00	1.710 1325	28.91	1.720 5282	28.84
41	.689 4256	29.10	.699 8824	29.00	.710 3060	28.91	.720 7013	28.84
42	.689 6001	29.09	.700 0564	29.00	.710 4794	28.91	.720 8743	28.84
43	.689 7747	29.09	.700 2304	29.00	.710 6529	28.91	.721 0474	28.84
44	.689 9493	29.09	.700 4044	28.99	.710 8263	28.91	.721 2204	28.84
45	1.690 1238	29.09	1.700 5783	28.99	1.710 9998	28.91	1.721 3934	28.84
46	.690 2984	29.09	.700 7523	28.99	.711 1732	28.91	.721 5665	28.84
47	.690 4729	29.09	.700 9262	28.99	.711 3467	28.90	.721 7395	28.84
48	.690 6474	29.09	.701 1001	28.99	.711 5201	28.90	.721 9125	28.83
49	.690 8219	29.08	.701 2741	28.99	.711 6935	28.90	.722 0855	28.83
50	1.690 9964	29.08	1.701 4480	28.98	1.711 8669	28.90	1.722 2585	28.83
51	.691 1709	29.08	.701 6219	28.98	.712 0403	28.90	.722 4315	28.83
52	.691 3454	29.08	.701 7958	28.98	.712 2137	28.90	.722 6044	28.83
53	.691 5199	29.08	.701 9697	28.98	.712 3871	28.90	.722 7774	28.83
54	.691 6943	29.08	.702 1435	28.98	.712 5605	28.90	.722 9504	28.83
55	1.691 8688	29.07	1.702 3174	28.98	1.712 7339	28.90	1.723 1233	28.83
56	.692 0432	29.07	.702 4913	28.98	.712 9072	28.89	.723 2963	28.83
57	.692 2176	29.07	.702 6651	28.97	.713 0806	28.89	.723 4693	28.82
58	.692 3920	29.07	.702 8389	28.97	.713 2539	28.89	.723 6422	28.82
59	.692 5664	29.07	.703 0128	28.97	.713 4273	28.89	.723 8151	28.82
60	1.692 7408	29.07	1.703 1866	28.97	1.713 6006	28.89	1.723 9881	28.82

Tafel VI.

Die Barker'sche Tafel.

v.	64^0		65^0		66^0		67^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.723 9881	28.82	1.734 3539	28.77	1.744 7031	28.73	1.755 0405	28.70
1	.724 1610	28.82	.734 5265	28.77	.744 8755	28.73	.755 2127	28.70
2	.724 3339	28.82	.734 6991	28.77	.745 0479	28.73	.755 3849	28.70
3	.724 5068	28.82	.734 8718	28.77	.745 2202	28.73	.755 5571	28.70
4	.724 6798	28.82	.735 0444	28.77	.745 3926	28.73	.755 7293	28.70
5	1.724 8527	28.82	1.735 2169	28.76	1.745 5650	28.73	1.755 9015	28.70
6	.725 0256	28.82	.735 3895	28.76	.745 7373	28.73	.756 0737	28.70
7	.725 1984	28.81	.735 5621	28.76	.745 9097	28.73	.756 2459	28.70
8	.725 3713	28.81	.735 7347	28.76	.746 0820	28.72	.756 4181	28.70
9	.725 5442	28.81	.735 9073	28.76	.746 2544	28.72	.756 5903	28.70
10	1.725 7171	28.81	1.736 0798	28.76	1.746 4267	28.72	1.756 7625	28.70
11	.725 8900	28.81	.736 2524	28.76	.746 5991	28.72	.756 9347	28.70
12	.726 0628	28.81	.736 4250	28.76	.746 7714	28.72	.757 1069	28.70
13	.726 2357	28.81	.736 5975	28.76	.746 9437	28.72	.757 2791	28.70
14	.726 4085	28.81	.736 7701	28.76	.747 1161	28.72	.757 4513	28.70
15	1.726 5814	28.81	1.736 9426	28.76	1.747 2884	28.72	1.757 6235	28.70
16	.726 7542	28.81	.737 1152	28.76	.747 4607	28.72	.757 7957	28.70
17	.726 9270	28.81	.737 2877	28.76	.747 6330	28.72	.757 9679	28.70
18	.727 0999	28.80	.737 4602	28.76	.747 8054	28.72	.758 1401	28.70
19	.727 2727	28.80	.737 6328	28.75	.747 9777	28.72	.758 3123	28.70
20	1.727 4455	28.80	1.737 8053	28.75	1.748 1500	28.72	1.758 4844	28.70
21	.727 6183	28.80	.737 9778	28.75	.748 3223	28.72	.758 6566	28.70
22	.727 7911	28.80	.738 1503	28.75	.748 4946	28.72	.758 8288	28.70
23	.727 9639	28.80	.738 3228	28.75	.748 6669	28.72	.759 0010	28.70
24	.728 1367	28.80	.738 4953	28.75	.748 8392	28.72	.759 1731	28.70
25	1.728 3095	28.80	1.738 6679	28.75	1.749 0115	28.72	1.759 3453	28.70
26	.728 4823	28.80	.738 8404	28.75	.749 1838	28.72	.759 5175	28.70
27	.728 6551	28.80	.739 0129	28.75	.749 3561	28.72	.759 6897	28.70
28	.728 8279	28.80	.739 1853	28.75	.749 5284	28.72	.759 8618	28.69
29	.729 0006	28.79	.739 3578	28.75	.749 7007	28.71	.760 0340	28.69
30	1.729 1734	28.79	1.739 5303	28.75	1.749 8730	28.71	1.760 2062	28.69
31	.729 3461	28.79	.739 7028	28.75	.750 0453	28.71	.760 3783	28.69
32	.729 5189	28.79	.739 8753	28.75	.750 2176	28.71	.760 5505	28.69
33	.729 6916	28.79	.740 0477	28.75	.750 3898	28.71	.760 7227	28.69
34	.729 8644	28.79	.740 2202	28.74	.750 5621	28.71	.760 8948	28.69
35	1.730 0371	28.79	1.740 3927	28.74	1.750 7344	28.71	1.761 0670	28.69
36	.730 2099	28.79	.740 5651	28.74	.750 9067	28.71	.761 2392	28.69
37	.730 3826	28.79	.740 7376	28.74	.751 0789	28.71	.761 4113	28.69
38	.730 5553	28.79	.740 9101	28.74	.751 2512	28.71	.761 5835	28.69
39	.730 7280	28.79	.741 0825	28.74	.751 4234	28.71	.761 7556	28.69
40	1.730 9007	28.78	1.741 2550	28.74	1.751 5957	28.71	1.761 9278	28.69
41	.731 0735	28.78	.741 4274	28.74	.751 7680	28.71	.762 0999	28.69
42	.731 2462	28.78	.741 5998	28.74	.751 9402	28.71	.762 2721	28.69
43	.731 4189	28.78	.741 7723	28.74	.752 1125	28.71	.762 4442	28.69
44	.731 5915	28.78	.741 9447	28.74	.752 2847	28.71	.762 6164	28.69
45	1.731 7642	28.78	1.742 1171	28.74	1.752 4570	28.71	1.762 7885	28.69
46	.731 9369	28.78	.742 2896	28.74	.752 6292	28.71	.762 9607	28.69
47	.732 1096	28.78	.742 4620	28.74	.752 8015	28.71	.763 1328	28.69
48	.732 2823	28.78	.742 6344	28.74	.752 9737	28.71	.763 3050	28.69
49	.732 4549	28.78	.742 8068	28.74	.753 1460	28.71	.763 4771	28.69
50	1.732 6276	28.78	1.742 9792	28.74	1.753 3182	28.71	1.763 6493	28.69
51	.732 8002	28.78	.743 1516	28.73	.753 4904	28.71	.763 8214	28.69
52	.732 9729	28.77	.743 3240	28.73	.753 6627	28.71	.763 9936	28.69
53	.733 1455	28.77	.743 4964	28.73	.753 8349	28.71	.764 1657	28.69
54	.733 3182	28.77	.743 6688	28.73	.754 0071	28.70	.764 3379	28.69
55	1.733 4908	28.77	1.743 8412	28.73	1.754 1794	28.70	1.764 5100	28.69
56	.733 6635	28.77	.744 0136	28.73	.754 3516	28.70	.764 6821	28.69
57	.733 8361	28.77	.744 1860	28.73	.754 5238	28.70	.764 8543	28.69
58	.734 0087	28.77	.744 3584	28.73	.754 6960	28.70	.765 0264	28.69
59	.734 1813	28.77	.744 5308	28.73	.754 8682	28.70	.765 1985	28.69
60	1.734 3539	28.77	1.744 7031	28.73	1.755 0405	28.70	1.765 3707	28.69

Tafel VI.

Die Barker'sche Tafel.

$v.$	68^0		69^0		70^0		71^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.765 3707	28.69	1.775 6985	28.69	1.786 0284	28.70	1.796 3650	28.73
1	.765 5428	28.69	.775 8706	28.69	.786 2006	28.70	.796 5374	28.73
2	.765 7150	28.69	.776 0427	28.69	.786 3728	28.70	.796 7097	28.73
3	.765 8871	28.69	.776 2149	28.69	.786 5450	28.70	.796 8821	28.73
4	.766 0592	28.69	.776 3870	28.69	.786 7172	28.70	.797 0545	28.73
5	1.766 2314	28.69	1.776 5591	28.69	1.786 8894	28.70	1.797 2268	28.73
6	.766 4035	28.69	.776 7313	28.69	.787 0617	28.70	.797 3992	28.73
7	.766 5756	28.69	.776 9034	28.69	.787 2339	28.70	.797 5716	28.73
8	.766 7478	28.69	.777 0755	28.69	.787 4061	28.70	.797 7440	28.73
9	.766 9199	28.69	.777 2477	28.69	.787 5783	28.70	.797 9164	28.73
10	1.767 0920	28.69	1.777 4198	28.69	1.787 7506	28.70	1.798 0888	28.73
11	.767 2642	28.69	.777 5920	28.69	.787 9228	28.71	.798 2611	28.73
12	.767 4363	28.69	.777 7641	28.69	.788 0950	28.71	.798 4335	28.73
13	.767 6084	28.69	.777 9363	28.69	.788 2673	28.71	.798 6060	28.73
14	.767 7805	28.69	.778 1084	28.69	.788 4395	28.71	.798 7784	28.73
15	1.767 9527	28.69	1.778 2806	28.69	1.788 6117	28.71	1.798 9508	28.73
16	.768 1248	28.69	.778 4527	28.69	.788 7840	28.71	.799 1232	28.74
17	.768 2969	28.69	.778 6248	28.69	.788 9562	28.71	.799 2956	28.74
18	.768 4691	28.69	.778 7970	28.69	.789 1284	28.71	.799 4680	28.74
19	.768 6412	28.69	.778 9691	28.69	.789 3007	28.71	.799 6404	28.74
20	1.768 8133	28.69	1.779 1413	28.69	1.789 4730	28.71	1.799 8128	28.74
21	.768 9854	28.69	.779 3140	28.69	.789 6452	28.71	.799 9853	28.74
22	.769 1576	28.69	.779 4862	28.69	.789 8175	28.71	.800 1577	28.74
23	.769 3297	28.69	.779 6578	28.69	.789 9897	28.71	.800 3301	28.74
24	.769 5018	28.69	.779 8299	28.69	.790 1620	28.71	.800 5026	28.74
25	1.769 6740	28.69	1.780 0021	28.69	1.790 3342	28.71	1.800 6750	28.74
26	.769 8461	28.69	.780 1742	28.69	.790 5065	28.71	.800 8475	28.74
27	.770 0182	28.69	.780 3464	28.69	.790 6788	28.71	.801 0199	28.74
28	.770 1903	28.69	.780 5185	28.69	.790 8510	28.71	.801 1924	28.74
29	.770 3625	28.69	.780 6907	28.69	.791 0233	28.71	.801 3648	28.74
30	1.770 5346	28.69	1.780 8629	28.69	1.791 1956	28.71	1.801 5373	28.74
31	.770 7067	28.69	.781 0350	28.69	.791 3678	28.71	.801 7107	28.74
32	.770 8788	28.69	.781 2072	28.69	.791 5401	28.71	.801 8822	28.74
33	.771 0510	28.69	.781 3793	28.69	.791 7124	28.71	.802 0547	28.75
34	.771 2231	28.69	.781 5515	28.69	.791 8847	28.71	.802 2271	28.75
35	1.771 3952	28.69	1.781 7237	28.69	1.792 0570	28.71	1.802 3996	28.75
36	.771 5673	28.69	.781 8959	28.69	.792 2293	28.71	.802 5721	28.75
37	.771 7395	28.69	.782 0680	28.70	.792 4016	28.72	.802 7446	28.75
38	.771 9116	28.69	.782 2402	28.70	.792 5738	28.72	.802 9171	28.75
39	.772 0837	28.69	.782 4124	28.70	.792 7461	28.72	.803 0896	28.75
40	1.772 2559	28.69	1.782 5845	28.70	1.792 9184	28.72	1.803 2621	28.75
41	.772 4280	28.69	.782 7567	28.70	.793 0907	28.72	.803 4346	28.75
42	.772 6001	28.69	.782 9289	28.70	.793 2630	28.72	.803 6071	28.75
43	.772 7722	28.69	.783 1011	28.70	.793 4354	28.72	.803 7796	28.75
44	.772 9444	28.69	.783 2732	28.70	.793 6077	28.72	.803 9521	28.75
45	1.773 1165	28.69	1.783 4454	28.70	5.793 7800	28.72	1.804 1246	28.75
46	.773 2886	28.69	.783 6176	28.70	.793 9523	28.72	.804 2971	28.75
47	.773 4607	28.69	.783 7898	28.70	.794 1246	28.72	.804 4697	28.75
48	.773 6329	28.69	.783 9620	28.70	.794 2969	28.72	.804 6422	28.76
49	.773 8050	28.69	.784 1342	28.70	.794 4693	28.72	.804 8147	28.76
50	1.773 9771	28.69	1.784 3064	28.70	1.794 6416	28.72	1.804 9873	28.76
51	.774 1493	28.69	.784 4786	28.70	.794 8139	28.72	.805 1598	28.76
52	.774 3214	28.69	.784 6508	28.70	.794 9862	28.72	.805 3324	28.76
53	.774 4935	28.69	.784 8230	28.70	.795 1586	28.72	.805 5049	28.76
54	.774 6657	28.69	.784 9952	28.70	.795 3309	28.72	.805 6775	28.76
55	1.774 8378	28.69	1.785 1674	28.70	1.795 5033	28.72	1.805 8500	28.76
56	.775 0099	28.69	.785 3396	28.70	.795 6756	28.72	.806 0226	28.76
57	.775 1821	28.69	.785 5118	28.70	.795 8480	28.72	.806 1952	28.76
58	.775 3542	28.69	.785 6840	28.70	.796 0203	28.73	.806 3677	28.76
59	.775 5263	28.69	.785 8562	28.70	.796 1927	28.73	.806 5403	28.76
60	1.775 6985	28.69	1.786 0284	28.70	1.796 3650	28.73	1.806 7129	28.76

Tafel VI.

Die Barker'sche Tafel.

$v.$	72^0		73^0		74^0		75^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.806 7129	28.76	1.817 0765	28.81	1.827 4602	28.88	1.837 8686	28.95
1	.806 8855	28.76	.817 2494	28.81	.827 6335	28.88	.838 0423	28.95
2	.807 0581	28.77	.817 4222	28.82	.827 8068	28.88	.838 2160	28.95
3	.807 2307	28.77	.817 5951	28.82	.827 9800	28.88	.838 3898	28.95
4	.807 4033	28.77	.817 7680	28.82	.828 1533	28.88	.838 5635	28.96
5	1.807 5759	28.77	1.817 9410	28.82	1.828 3266	28.88	1.838 7372	28.96
6	.807 7485	28.77	.818 1139	28.82	.828 4999	28.88	.838 9110	28.96
7	.807 9211	28.77	.818 2868	82.82	.828 6732	28.88	.839 0847	28.96
8	.808 0937	28.77	.818 4597	82.82	.828 8465	28.88	.839 2585	28.96
9	.808 2663	28.77	.818 6326	82.82	.829 0198	28.89	.839 4323	28.96
10	1.808 4389	28.77	1.818 8056	28.82	1.829 1931	28.89	1.839 6060	28.96
11	.808 6116	28.77	.818 9785	28.82	.829 3665	28.89	.839 7798	28.97
12	.808 7842	28.77	.819 1515	28.83	.829 5398	28.89	.839 9536	28.97
13	.808 9568	28.77	.819 3244	28.83	.829 7131	28.89	.840 1274	28.97
14	.809 1295	28.77	.819 4974	28.83	.829 8865	28.89	.840 3012	28.97
15	1.809 3021	28.78	1.819 6704	28.83	1.830 0599	28.89	1.840 4751	28.97
16	.809 4748	28.78	.819 8433	28.83	.830 2332	28.89	.840 6489	28.97
17	.809 6474	28.78	.820 0163	28.83	.830 4066	28.90	.840 8227	28.97
18	.809 8201	28.78	.820 1893	28.83	.830 5800	28.90	.840 9966	28.97
19	.809 9928	28.78	.820 3623	28.83	.830 7533	28.90	.841 1704	28.98
20	1.810 1655	28.78	1.820 5353	28.83	1.830 9267	28.90	1.841 3443	28.98
21	.810 3381	28.78	.820 7083	28.83	.831 1001	28.90	.841 5182	28.98
22	.810 5108	28.78	.820 8813	28.84	.831 2735	28.90	.841 6921	28.98
23	.810 6835	28.78	.821 0543	28.84	.831 4470	28.90	.841 8659	28.98
24	.810 8562	28.78	.821 2273	28.84	.831 6204	28.90	.842 0398	28.98
25	1.811 0289	28.78	1.821 4003	28.84	1.831 7938	28.91	1.842 2138	28.98
26	.811 2016	28.78	.821 5734	28.84	.831 9672	28.91	.842 3877	28.99
27	.811 3743	28.78	.821 7464	28.84	.832 1407	28.91	.842 5616	28.99
28	.811 5470	28.79	.821 9194	28.84	.832 3141	28.91	.842 7355	28.99
29	.811 7197	28.79	.822 0925	28.84	.832 4876	28.91	.842 9095	28.99
30	1.811 8924	28.79	1.822 2656	28.84	1.832 6611	28.91	1.843 0834	28.99
31	.812 0652	28.79	.822 4386	28.84	.832 8345	28.91	.843 2574	28.99
32	.812 2379	28.79	.822 6117	28.85	.833 0080	28.92	.843 4313	29.00
33	.812 4106	28.79	.822 7848	28.85	.833 1815	28.92	.843 6053	29.00
34	.812 5834	28.79	.822 9578	28.85	.833 3550	28.92	.843 7793	29.00
35	1.812 7561	28.79	1.823 1309	28.85	1.833 5285	28.92	1.843 9533	29.00
36	.812 9289	28.79	.823 3040	28.85	.833 7020	28.92	.844 1273	29.00
37	.813 1016	28.79	.823 4771	28.85	.833 8755	28.92	.844 3013	29.00
38	.813 2744	28.79	.823 6502	28.85	.834 0491	28.92	.844 4753	29.00
39	.813 4472	28.79	.823 8233	28.85	.834 2226	28.92	.844 6494	29.01
40	1.813 6199	28.80	1.823 9965	28.85	1.834 3961	28.92	1.844 8234	29.01
41	.813 7927	28.80	.824 1696	28.85	.834 5697	28.93	.844 9974	29.01
42	.813 9655	28.80	.824 3427	28.86	.834 7432	28.93	.845 1715	29.01
43	.814 1383	28.80	.824 5159	28.86	.834 9168	28.93	.845 3456	29.01
44	.814 3111	28.80	.824 6890	28.86	.835 0904	28.93	.845 5196	29.01
45	1.814 4839	28.80	1.824 8622	28.86	1.835 2640	28.93	1.845 6937	29.01
46	.814 6567	28.80	.825 0353	28.86	.835 4376	28.93	.845 8678	29.02
47	.814 8295	28.80	.825 2085	28.86	.835 6112	28.93	.846 0419	29.02
48	.815 0023	28.80	.825 3816	28.86	.835 7848	28.93	.846 2160	29.02
49	.815 1751	28.80	.825 5548	28.86	.835 9584	28.94	.846 3901	29.02
50	1.815 3479	28.80	1.825 7280	28.86	1.836 1320	28.94	1.846 5643	29.02
51	.815 5208	28.81	.825 9012	28.87	.836 3056	28.94	.846 7384	29.02
52	.815 6936	28.81	.826 0744	28.87	.836 4792	28.94	.846 9125	29.03
53	.815 8664	28.81	.826 2476	28.87	.836 6529	28.94	.847 0867	29.03
54	.816 0393	28.81	.826 4208	28.87	.836 8265	28.94	.847 2609	29.03
55	1.816 2121	28.81	1.826 5940	28.87	1.837 0002	28.94	1.847 4350	29.03
56	.816 3850	28.81	.826 7673	28.87	.837 1739	28.95	.847 6092	29.03
57	.816 5578	28.81	.826 9405	28.87	.837 3475	28.95	.847 7834	29.03
58	.816 7307	28.81	.827 1137	28.87	.837 5212	28.95	.847 9576	29.03
59	.816 9036	28.81	.827 2870	28.87	.837 6949	28.95	.848 1318	29.04
60	1.817 0765	28.81	1.827 4602	28.88	1.837 8686	28.95	1.848 3060	29.04

Tafel VI.

Die Barker'sche Tafel.

$v.$	76^0		77^0		78^0		79^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.848 3060	29.04	1.858 7769	29.14	1.869 2857	29.25	1.879 8369	29.37
1	.848 4803	29.04	.858 9517	29.14	.869 4612	29.25	.880 0131	29.37
2	.848 6545	29.04	.859 1266	29.14	.869 6367	29.25	.880 1894	29.38
3	.848 8287	29.04	.859 3014	29.14	.869 8122	29.25	.880 3656	29.38
4	.849 0030	29.04	.859 4763	29.15	.869 9878	29.26	.880 5419	29.38
5	1.849 1773	29.04	1.859 6512	29.15	1.870 1633	29.26	1.880 7182	29.38
6	.849 3515	29.05	.859 8260	29.15	.870 3389	29.26	.880 8945	29.38
7	.849 5258	29.05	.860 0009	29.15	.870 5144	29.26	.881 0708	29.39
8	.849 7001	29.05	.860 1758	29.15	.870 6900	29.26	.881 2471	29.39
9	.849 8744	29.05	.860 3507	29.15	.870 8656	29.26	.881 4235	29.39
10	1.850 0487	29.05	1.860 5256	29.15	1.871 0412	29.27	1.881 5998	29.39
11	.850 2231	29.05	.860 7006	29.16	.871 2168	29.27	.881 7762	29.39
12	.850 3974	29.06	.860 8755	29.16	.871 3924	29.27	.881 9526	29.40
13	.850 5717	29.06	.861 0505	29.16	.871 5681	29.27	.882 1290	29.40
14	.850 7461	29.06	.861 2254	29.16	.871 7437	29.28	.882 3054	29.40
15	1.850 9204	29.06	1.861 4004	29.16	1.871 9194	29.28	1.882 4818	29.40
16	.851 0948	29.06	.861 5754	29.16	.872 0950	29.28	.882 6582	29.41
17	.851 2692	29.06	.861 7504	29.17	.872 2707	29.28	.882 8347	29.41
18	.851 4436	29.07	.861 9254	29.17	.872 4464	29.28	.883 0112	29.41
19	.851 6180	29.07	.862 1004	29.17	.872 6221	29.29	.883 1876	29.41
20	1.851 7924	29.07	1.862 2754	29.17	1.872 7979	29.29	1.883 3641	29.42
21	.851 9668	29.07	.862 4505	29.17	.872 9736	29.29	.883 5406	29.42
22	.852 1412	29.07	.862 6255	29.18	.873 1493	29.29	.883 7171	29.42
23	.852 3157	29.07	.862 8006	29.18	.873 3251	29.29	.883 8937	29.42
24	.852 4901	29.07	.862 9756	29.18	.873 5008	29.30	.884 0702	29.42
25	1.852 6646	29.08	1.863 1507	29.18	1.873 6766	29.30	1.884 2468	29.43
26	.852 8391	29.08	.863 3258	29.18	.873 8524	29.30	.884 4233	29.43
27	.853 0135	29.08	.863 5009	29.18	.874 0282	29.30	.884 5999	29.43
28	.853 1880	29.08	.863 6760	29.19	.874 2041	29.30	.884 7765	29.43
29	.853 3625	29.08	.863 8512	29.19	.874 3799	29.31	.884 9531	29.44
30	1.853 5370	29.09	1.864 0263	29.19	1.874 5557	29.31	1.885 1297	29.44
31	.853 7115	29.09	.864 2015	29.19	.874 7316	29.31	.885 3064	29.44
32	.853 8861	29.09	.864 3766	29.19	.874 9074	29.31	.885 4830	29.44
33	.854 0606	29.09	.864 5518	29.20	.875 0833	29.31	.885 6597	29.45
34	.854 2351	29.09	.864 7270	29.20	.875 2592	29.32	.885 8364	29.45
35	1.854 4097	29.09	1.864 9022	29.20	1.875 4351	29.32	1.886 0131	29.45
36	.854 5843	29.10	.865 0774	29.20	.875 6111	29.32	.886 1898	29.45
37	.854 7588	29.10	.865 2526	29.20	.875 7870	29.32	.886 3665	29.45
38	.854 9334	29.10	.865 4278	29.20	.875 9629	29.32	.886 5432	29.46
39	.855 1080	29.10	.865 6030	29.21	.876 1389	29.33	.886 7200	29.46
40	1.855 2826	29.10	1.865 7783	29.21	1.876 3148	29.33	1.886 8967	29.46
41	.855 4572	29.10	.865 9536	29.21	.876 4908	29.33	.887 0735	29.46
42	.855 6319	29.11	.866 1288	29.21	.876 6668	29.33	.887 2503	29.47
43	.855 8065	29.11	.866 3041	29.21	.876 8428	29.33	.887 4271	29.47
44	.855 9811	29.11	.866 4794	29.22	.877 0188	29.34	.887 6039	29.47
45	1.856 1558	29.11	1.866 6547	29.22	1.877 1949	29.34	1.887 7807	29.47
46	.856 3305	29.11	.866 8301	29.22	.877 3709	29.34	.887 9576	29.48
47	.856 5052	29.11	.867 0054	29.22	.877 5470	29.34	.888 1344	29.48
48	.856 6799	29.12	.867 1807	29.22	.877 7230	29.34	.888 3113	29.48
49	.856 8546	29.12	.867 3561	29.23	.877 8991	29.35	.888 4882	29.48
50	1.857 0293	29.12	1.867 5314	29.23	1.878 0752	29.35	1.888 6651	29.48
51	.857 2040	29.12	.867 7068	29.23	.878 2513	29.35	.888 8420	29.49
52	.857 3787	29.12	.867 8822	29.23	.878 4275	29.35	.889 0189	29.49
53	.857 5534	29.12	.868 0576	29.23	.878 6036	29.35	.889 1959	29.49
54	.857 7282	29.13	.868 2330	29.24	.878 7797	29.36	.889 3728	29.49
55	1.857 9030	29.13	1.868 4084	29.24	1.878 9559	29.36	1.889 5498	29.49
56	.858 0777	29.13	.868 5839	29.24	.879 1321	29.36	.889 7268	29.50
57	.858 2525	29.13	.868 7593	29.24	.879 3082	29.36	.889 8038	29.50
58	.858 4273	29.13	.868 9348	29.24	.879 4844	29.36	.890 0808	29.50
59	.858 6021	29.13	.869 1102	29.25	.879 6606	29.37	.890 2578	29.51
60	1.858 7769	29.14	1.869 2857	29.25	1.879 8369	29.37	1.890 4349	29.51

Tafel VI.

Die Barker'sche Tafel.

$v.$	80^0		81^0		82^0		83^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.890 4349	29.51	1.901 0841	29.66	1.911 7893	29.82	1.922 5548	29.99
1	.890 6119	29.51	.901 2621	29.66	.911 9682	29.82	.922 7347	29.99
2	.890 7890	29.51	.901 4400	29.66	.912 1471	29.82	.922 9147	30.00
3	.890 9661	29.51	.901 6180	29.66	.912 3261	29.83	.923 0947	30.00
4	.891 1432	29.52	.901 7960	29.67	.912 5050	29.83	.923 2747	30.00
5	1.891 3203	29.52	1.901 9740	29.67	1.912 6840	29.83	1.923 4548	30.01
6	.891 4974	29.52	.902 1521	29.67	.912 8630	29.84	.923 6348	30.01
7	.891 6745	29.52	.902 3301	29.67	.913 0420	29.84	.923 8149	30.01
8	.891 8517	29.53	.902 5082	29.68	.913 2211	29.84	.923 9950	30.02
9	.892 0289	29.53	.902 6862	29.68	.913 4001	29.84	.924 1751	30.02
10	1.892 2061	29.53	1.902 8643	29.68	1.913 5792	29.85	1.924 3552	30.02
11	.892 3833	29.53	.903 0424	29.69	.913 7583	29.85	.924 5354	30.03
12	.892 5605	29.54	.903 2105	29.69	.913 9374	29.85	.924 7155	30.03
13	.892 7377	29.54	.903 3987	29.69	.914 1165	29.85	.924 8957	30.03
14	.892 9149	29.54	.903 5768	29.69	.914 2956	29.86	.925 0759	30.03
15	1.893 0922	29.54	1.903 7550	29.70	1.914 4748	29.86	1.925 2561	30.04
16	.893 2695	29.55	.903 9332	29.70	.914 6540	29.86	.925 4364	30.04
17	.893 4467	29.55	.904 1114	29.70	.914 8331	29.87	.925 6166	30.04
18	.893 6240	29.55	.904 2896	29.70	.915 0124	29.87	.925 7969	30.05
19	.893 8013	29.55	.904 4678	29.71	.915 1916	29.87	.925 9772	30.05
20	1.893 9787	29.56	1.904 6461	29.71	1.915 3708	29.87	1.926 1575	30.05
21	.894 1560	29.56	.904 8243	29.71	.915 5501	29.88	.926 3378	30.06
22	.894 3334	29.56	.905 0026	29.71	.915 7294	29.88	.926 5182	30.06
23	.894 5108	29.56	.905 1809	29.72	.915 9087	29.88	.926 6986	30.06
24	.894 6882	29.57	.905 3592	29.72	.916 0880	29.89	.926 8789	30.07
25	1.894 8656	29.57	1.905 5376	29.72	1.916 2673	29.89	1.927 0593	30.07
26	.895 0430	29.57	.905 7159	29.73	.916 4466	29.89	.927 2398	30.07
27	.895 2204	29.57	.905 8943	29.73	.916 6260	29.90	.927 4202	30.08
28	.895 3979	29.58	.906 0726	29.73	.916 8054	29.90	.927 6007	30.08
29	.895 5753	29.58	.906 2510	29.73	.916 9848	29.90	.927 7811	30.08
30	1.895 7528	29.58	1.906 4294	29.74	1.917 1642	29.90	1.927 9616	30.08
31	.895 9303	29.58	.906 6079	29.74	.917 3436	29.91	.928 1422	30.09
32	.896 1078	29.59	.906 7863	29.74	.917 5231	29.91	.928 3227	30.09
33	.896 2854	29.59	.906 9648	29.74	.917 7025	29.91	.928 5032	30.09
34	.896 4628	29.59	.907 1432	29.75	.917 8820	29.92	.928 6838	30.10
35	1.896 6404	29.59	1.907 3217	29.75	1.918 0615	29.92	1.928 8644	30.10
36	.896 8180	29.60	.907 5002	29.75	.918 2410	29.92	.929 0450	30.10
37	.896 9955	29.60	.907 6787	29.75	.918 4206	29.92	.929 2256	30.11
38	.897 1732	29.60	.907 8573	29.76	.918 6001	29.93	.929 4063	30.11
39	.897 3508	29.60	.908 0358	29.76	.918 7797	29.93	.929 5869	30.11
40	1.897 5284	29.61	1.908 2144	29.76	1.918 9593	29.93	1.929 7676	30.12
41	.897 7060	29.61	.908 3930	29.77	.919 1389	29.94	.929 9483	30.12
42	.897 8837	29.61	.908 5716	29.77	.919 3185	29.94	.930 1291	30.12
43	.898 0614	29.61	.908 7502	29.77	.919 4982	29.94	.930 3098	30.13
44	.898 2390	29.62	.908 9288	29.77	.919 6778	29.94	.930 4906	30.13
45	1.898 4168	29.62	1.909 1075	29.78	1.919 8575	29.95	1.930 6713	30.13
46	.898 5945	29.62	.909 2862	29.78	.920 0372	29.95	.930 8521	30.13
47	.898 7722	29.62	.909 4648	29.78	.920 2169	29.95	.931 0330	30.14
48	.898 9500	29.63	.909 6436	29.78	.920 3966	29.96	.931 2138	30.14
49	.899 1277	29.63	.909 8223	29.79	.920 5764	29.96	.931 3946	30.14
50	1.899 3055	29.63	1.910 0010	29.79	1.920 7561	29.96	1.931 5755	30.15
51	.899 4833	29.63	.910 1798	29.79	.920 9359	29.97	.931 7564	30.15
52	.899 6611	29.64	.910 3585	29.80	.921 1157	29.97	.931 9373	30.15
53	.899 8389	29.64	.910 5373	29.80	.921 2956	29.97	.932 1183	30.16
54	.900 0168	29.64	.910 7161	29.80	.921 4754	29.98	.932 2992	30.16
55	1.900 1946	29.64	1.910 8949	29.80	1.921 6552	29.98	1.932 4802	30.16
56	.900 3725	29.65	.911 0738	29.81	.921 8351	29.98	.932 6612	30.17
57	.900 5504	29.65	.911 2526	29.81	.922 0150	29.98	.932 8422	30.17
58	.900 7283	29.65	.911 4315	29.81	.922 1949	29.99	.933 0232	30.17
59	.900 9062	29.66	.911 6104	29.82	.922 3748	29.99	.933 2043	30.18
60	1.901 0841	29.66	1.911 7893	29.82	1.922 5548	29.99	1.933 3853	30.18

Tafel VI.

Die Barker'sche Tafel.

$v.$	84^0		85^0		86^0		87^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.933 3853	30.18	1.944 2856	30.38	1.955 2602	30.59	1.966 3140	30.82
1	.933 5664	30.18	.944 4678	30.38	.955 4438	30.60	.966 4990	30.82
2	.933 7475	30.19	.944 6502	30.39	.955 6274	30.60	.966 6839	30.83
3	.933 9287	30.19	.944 8325	30.39	.955 8110	30.60	.966 8689	30.83
4	.934 1098	30.19	.945 0148	30.39	.955 9946	30.61	.967 0539	30.84
5	1.934 2910	30.20	1.945 1972	30.40	1.956 1783	30.61	1.967 2389	30.84
6	.934 4722	30.20	.945 3796	30.40	.956 3619	30.61	.967 4240	30.84
7	.934 6533	30.20	.945 5620	30.40	.956 5456	30.62	.967 6090	30.85
8	.934 8346	30.21	.945 7444	30.41	.956 7294	30.62	.967 7941	30.85
9	.935 0158	30.21	.945 9269	30.41	.956 9131	30.63	.967 9792	30.85
10	1.935 1971	30.21	1.946 1094	30.41	1.957 0969	30.63	1.968 1644	30.86
11	.935 3784	30.22	.946 2919	30.42	.957 2807	30.63	.968 3496	30.86
12	.935 5597	30.22	.946 4744	30.42	.957 4645	30.64	.968 5347	30.87
13	.935 7410	30.22	.946 6569	30.42	.957 6483	30.64	.968 7200	30.87
14	.935 9223	30.22	.946 8395	30.43	.957 8322	30.64	.968 9052	30.87
15	1.936 1037	30.23	1.947 0221	30.43	1.958 0160	30.65	1.969 0905	30.88
16	.936 2851	30.23	.947 2047	30.44	.958 1999	30.65	.969 2757	30.88
17	.936 4665	30.23	.947 3873	30.44	.958 3839	30.66	.969 4610	30.89
18	.936 6479	30.24	.947 5699	30.44	.958 5678	30.66	.969 6464	30.89
19	.936 8293	30.24	.947 7526	30.45	.958 7518	30.66	.969 8317	30.89
20	1.937 0108	30.24	1.947 9353	30.45	1.958 9358	30.67	1.970 0171	30.90
21	.937 1922	30.25	.948 1180	30.45	.959 1198	30.67	.970 2025	30.90
22	.937 3737	30.25	.948 3007	30.46	.959 3038	30.67	.970 3879	30.91
23	.937 5553	30.25	.948 4834	30.46	.959 4879	30.68	.970 5734	30.91
24	.937 7368	30.26	.948 6662	30.46	.959 6720	30.68	.970 7589	30.91
25	1.937 9184	30.26	1.948 8490	30.47	1.959 8561	30.69	1.970 9443	30.92
26	.938 0999	30.26	.949 0318	30.47	.960 0402	30.69	.971 1299	30.92
27	.938 2815	30.27	.949 2146	30.47	.960 2243	30.69	.971 3154	30.93
28	.938 4632	30.27	.949 3975	30.48	.960 4085	30.70	.971 5010	30.93
29	.938 6448	30.27	.949 5804	30.48	.960 5927	30.70	.971 6866	30.93
30	1.938 8264	30.28	1.949 7633	30.48	1.960 7769	30.70	1.971 8722	30.94
31	.939 0081	30.28	.949 9462	30.49	.960 9612	30.71	.972 0578	30.94
32	.939 1898	30.28	.950 1291	30.49	.961 1454	30.71	.972 2435	30.95
33	.939 3715	30.29	.950 3121	30.50	.961 3297	30.71	.972 4292	30.95
34	.939 5533	30.29	.950 4951	30.50	.961 5140	30.72	.972 6149	30.95
35	1.939 7350	30.29	1.950 6781	30.50	1.961 6983	30.72	1.972 8006	30.96
36	.939 9168	30.30	.950 8611	30.51	.961 8827	30.73	.972 9864	30.96
37	.940 0986	30.30	.951 0441	30.51	.962 0671	30.73	.973 1722	30.97
38	.940 2804	30.30	.951 2272	30.51	.962 2515	30.73	.973 3580	30.97
39	.940 4623	30.31	.951 4103	30.52	.962 4359	30.74	.973 5438	30.97
40	1.940 6441	30.31	1.951 5934	30.52	1.962 6203	30.74	1.973 7297	30.98
41	.940 8260	30.31	.951 7766	30.52	.962 8048	30.75	.973 9156	30.98
42	.941 0079	30.32	.951 9597	30.53	.962 9893	30.75	.974 1015	30.99
43	.941 1898	30.32	.952 1429	30.53	.963 1738	30.75	.974 2874	30.99
44	.941 3717	30.32	.952 3261	30.53	.963 3583	30.76	.974 4734	30.99
45	1.941 5537	30.33	1.952 5093	30.54	1.963 5429	30.76	1.974 6593	31.00
46	.941 7357	30.33	.952 6925	30.54	.963 7275	30.77	.974 8454	31.00
47	.941 9177	30.34	.952 8758	30.55	.963 9121	30.77	.975 0314	31.01
48	.942 0997	30.34	.953 0591	30.55	.964 0967	30.77	.975 2174	31.01
49	.942 2817	30.34	.953 2424	30.55	.964 2814	30.78	.975 4035	31.01
50	1.942 4638	30.35	1.953 4257	30.56	1.964 4660	30.78	1.975 5896	31.02
51	.942 6459	30.35	.953 6091	30.56	.964 6507	30.78	.975 7757	31.02
52	.942 8280	30.35	.953 7924	30.56	.964 8354	30.79	.975 9619	31.03
53	.943 0101	30.36	.953 9758	30.57	.965 0202	30.79	.976 1481	31.03
54	.943 1923	30.36	.954 1592	30.57	.965 2050	30.80	.976 3343	31.04
55	1.943 3744	30.36	1.954 3427	30.57	1.965 3897	30.80	1.976 5205	31.04
56	.943 5566	30.37	.954 5262	30.58	.965 5746	30.80	.976 7067	31.04
57	.943 7388	30.37	.954 7096	30.58	.965 7594	30.81	.976 8930	31.05
58	.943 9211	30.37	.954 8931	20.59	.965 9442	30.81	.977 0793	31.05
59	.944 1033	30.38	.955 0766	30.59	.966 1291	30.81	.977 2656	31.06
60	1.944 2856	30.38	1.955 2602	30.59	1.966 3140	30.82	1.977 4520	31.06

Tafel VI.

Die Barker'sche Tafel.

$v.$	88^0		89^0		90^0		91^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	1.977 4520	31.06	1.988 6789	31.31	2.000 0000	31.58	2.011 4203	31.87
1	.977 6383	31.06	.988 8668	31.32	.000 1895	31.59	.011 6115	31.87
2	.977 8247	31.07	.989 0548	31.32	.000 3790	31.59	.011 8027	31.88
3	.978 0112	31.07	.989 2427	31.33	.000 5686	31.60	.011 9940	31.88
4	.978 1976	31.08	.989 4307	31.33	.000 7582	31.60	.012 1853	31.89
5	1.978 3841	31.08	1.989 6187	31.34	2.000 9478	31.60	2.012 3766	31.89
6	.978 5706	31.08	.989 8067	31.34	.001 1375	31.61	.012 5680	31.89
7	.978 7571	31.09	.989 9948	31.34	.001 3272	31.61	.012 7594	31.90
8	.978 9436	31.09	.990 1829	31.35	.001 5169	31.62	.012 9508	31.90
9	.979 1302	31.10	.990 3710	31.35	.001 7066	31.62	.013 1422	31.91
10	1.979 3168	31.10	1.990 5591	31.36	2.001 8963	31.63	2.013 3337	31.91
11	.979 5034	31.11	.990 7473	31.36	.002 0861	31.63	.013 5252	31.92
12	.979 6901	31.11	.990 9355	31.37	.002 2759	31.64	.013 7167	31.92
13	.979 8768	31.11	.991 1237	31.37	.002 4658	31.64	.013 9083	31.93
14	.980 0635	31.12	.991 3119	31.38	.002 6557	31.65	.014 0999	31.93
15	1.980 2502	31.12	1.991 5002	31.38	1.002 8456	31.65	2.014 2915	31.94
16	.980 4369	31.13	.991 6885	31.38	.003 0355	31.66	.014 4831	31.94
17	.980 6237	31.13	.991 8768	31.39	.003 2254	31.66	.014 6748	31.95
18	.980 8105	31.13	.992 0651	31.39	.003 4154	31.67	.014 8665	31.95
19	.980 9973	31.14	.992 2535	31.40	.003 6054	31.67	.015 0582	31.96
20	1.981 1842	31.14	1.992 4419	31.40	2.003 7955	31.68	2.015 2500	31.96
21	.981 3710	31.15	.992 6304	31.41	.003 9855	31.68	.015 4418	31.97
22	.981 5579	31.15	.992 8188	31.41	.004 1756	31.68	.015 6336	31.97
23	.981 7449	31.16	.993 0073	31.42	.004 3658	31.69	.015 8255	31.98
24	.981 9318	31.16	.993 1958	31.42	.004 5559	31.69	.016 0174	31.98
25	1.982 1188	31.16	1.993 3843	31.42	1.004 7461	31.70	2.016 2093	31.99
26	.982 3058	31.17	.993 5729	31.43	.004 9363	31.70	.016 4012	31.99
27	.982 4928	31.17	.993 7615	31.43	.005 1265	31.71	.016 5932	32.00
28	.982 6798	31.18	.993 9501	31.44	.005 3168	31.71	.016 7852	32.00
29	.982 8669	31.18	.994 1387	31.44	.005 5071	31.72	.016 9772	32.01
30	1.983 0540	31.18	1.994 3274	31.45	2.005 6974	31.72	2.017 1693	32.01
31	.983 2411	31.19	.994 5161	31.45	.005 8878	31.73	.017 3614	32.02
32	.983 4283	31.19	.994 7048	31.46	.006 0781	31.73	.017 5535	32.02
33	.983 6155	31.20	.994 8936	31.46	.006 2685	31.74	.017 7456	32.03
34	.983 8027	31.20	.995 0823	31.46	.006 4590	31.74	.017 9378	32.03
35	1.983 9899	31.21	1.995 2711	31.47	2.006 6494	31.75	2.018 1300	32.04
36	.984 1772	31.21	.995 4600	31.47	.006 8399	31.75	.018 3223	32.04
37	.984 3644	31.22	.995 6488	31.48	.007 0304	31.76	.018 5145	32.05
38	.984 5517	31.22	.995 8377	31.48	.007 2210	31.76	.018 7068	32.05
39	.984 7391	31.22	.996 0266	31.49	.007 4116	31.77	.018 8992	32.06
40	1.984 9264	31.23	1.996 2155	31.49	2.007 6022	31.77	2.019 0915	32.06
41	.985 1138	31.23	.996 4045	31.50	.007 7928	31.77	.019 2839	32.07
42	.985 3012	31.24	.996 5935	31.50	.007 9835	31.78	.019 4763	32.07
43	.985 4886	31.24	.996 7825	31.51	.008 1742	31.78	.019 6688	32.08
44	.985 6761	31.24	.996 9716	31.51	.008 3649	31.79	.019 8613	32.08
45	1.985 8636	31.25	1.997 1606	31.51	2.008 5556	31.79	2.020 0538	32.09
46	.986 0511	31.25	.997 3497	31.52	.008 7464	31.80	.020 2463	32.09
47	.986 2386	31.26	.997 5389	31.52	.008 9372	31.80	.020 4389	32.10
48	.986 4262	31.26	.997 7280	31.53	.009 1280	31.81	.020 6315	32.10
49	.986 6138	31.27	.997 9172	31.53	.009 3189	31.81	.020 8241	32.11
50	1.986 8014	31.27	1.998 1064	31.54	0.009 5098	31.82	2.021 0168	32.11
51	.986 9890	31.28	.998 2956	31.54	.009 7007	31.82	.021 2095	32.12
52	.987 1767	31.28	.998 4849	31.55	.009 8917	31.83	.021 4022	32.12
53	.987 3644	31.28	.998 6742	31.55	.010 0826	31.83	.021 5949	32.13
54	.987 5521	31.29	.998 8635	31.56	.010 2736	31.84	.021 7877	32.13
55	1.987 7398	31.29	1.999 0529	31.56	2.010 4647	31.84	2.021 9805	32.14
56	.987 9276	31.30	.999 2422	31.56	.010 6557	31.85	.022 1734	32.14
57	.988 1154	31.30	.999 4316	31.57	.010 8468	31.85	.022 3662	32.15
58	.988 3032	31.31	.999 6211	31.57	.011 0380	31.86	.022 5591	32.15
59	.988 4911	31.31	.999 8105	31.58	.011 2291	31.86	.022 7521	32.16
60	1.988 6789	31.31	2.000 0000	31.58	2.011 4203	31.87	2.022 9450	32.16

Tafel VI.

Die Barker'sche Tafel.

v.	92^0		93^0		94^0		95^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.022 9450	32.16	2.034 5797	32.48	2.046 3296	32.80	2.058 2005	33.15
1	.023 1380	32.17	.034 7745	32.48	.046 5264	32.81	.058 3994	33.15
2	.023 3311	32.17	.034 9694	32.49	.046 7233	32.82	.058 5983	33.16
3	.023 5241	32.18	.035 1644	32.49	.046 9202	32.82	.058 7973	33.16
4	.023 7172	32.18	.035 3593	32.50	.047 1172	32.83	.058 9963	33.17
5	2.023 9103	32.19	2.035 5543	32.50	2.047 3141	32.83	2.059 1953	33.18
6	.024 1035	32.19	.035 7494	32.51	.047 5111	32.84	.059 3944	33.18
7	.024 2967	32.20	.035 9444	32.51	.047 7082	32.84	.059 5935	33.19
8	.024 4899	32.20	.036 1395	32.52	.047 9053	32.85	.059 7927	33.19
9	.024 6831	32.21	.036 3347	32.52	.048 1024	32.85	.059 9919	33.20
10	2.024 8764	32.21	2.036 5298	32.53	2.048 2995	32.86	2.060 1911	33.21
11	.025 0697	32.22	.036 7250	32.53	.048 4967	32.87	.060 3904	33.21
12	.025 2630	32.22	.036 9202	32.54	.048 6939	32.87	.060 5897	33.22
13	.025 4564	32.23	.037 1155	32.54	.048 8912	32.88	.060 7890	33.22
14	.025 6498	32.23	.037 3108	32.55	.049 0884	32.88	.060 9884	33.23
15	2.025 8432	32.24	2.037 5061	32.55	2.049 2857	32.89	2.061 1878	33.24
16	.026 0367	32.24	.037 7015	32.56	.049 4831	32.89	.061 3872	33.24
17	.026 2301	32.25	.037 8969	32.57	.049 6805	32.90	.061 5867	33.25
18	.026 4236	32.26	.038 0923	32.57	.049 8879	32.90	.061 7862	33.25
19	.026 6172	32.26	.038 2877	32.58	.050 0753	32.91	.061 9857	33.26
20	2.026 8108	32.27	2.038 4832	32.58	2.050 2728	32.92	2.062 1853	33.27
21	.027 0044	32.27	.038 6787	32.59	.050 4703	32.92	.062 3849	33.27
22	.027 1980	32.28	.038 8743	32.59	.050 6679	32.93	.062 5846	33.28
23	.027 3917	32.28	.039 0699	32.60	.050 8655	32.93	.062 7842	33.28
24	.027 5854	32.29	.039 2655	32.61	.051 0631	32.94	.062 9840	33.29
25	2.027 7791	32.29	2.039 4611	32.61	2.051 2608	32.95	2.063 1837	33.30
26	.027 9729	32.30	.039 6568	32.62	.051 4585	32.95	.063 3835	33.30
27	.028 1667	32.30	.039 8525	32.62	.051 6562	32.96	.063 5833	33.31
28	.028 3605	32.31	.040 0482	32.63	.051 8539	32.96	.063 7832	33.31
29	.028 5544	32.31	.040 2440	32.63	.052 0517	32.97	.063 9831	33.32
30	2.028 7483	32.32	2.040 4399	32.64	2.052 2496	32.97	2.064 1831	33.33
31	.028 9422	32.32	.040 6357	32.64	.052 4474	32.98	.064 3830	33.33
32	.029 1361	32.33	.040 8316	32.65	.052 6453	32.98	.064 5830	33.34
33	.029 3301	32.33	.041 0275	32.65	.052 8432	32.99	.064 7831	33.34
34	.029 5241	32.34	.041 2234	32.66	.053 0412	33.00	.064 9832	33.35
35	2.029 7182	32.34	2.041 4194	32.67	2.053 2392	33.00	2.065 1833	33.36
36	.029 9123	32.35	.041 6154	32.67	.053 4372	33.01	.065 3834	33.36
37	.030 1064	32.35	.041 8114	32.68	.053 6353	33.01	.065 5836	33.37
38	.030 3005	32.36	.042 0075	32.68	.053 8334	33.02	.065 7839	33.37
39	.030 4947	32.36	.042 2036	32.69	.054 0315	33.03	.065 9841	33.38
40	2.030 6889	32.37	2.042 3998	32.69	2.054 2297	33.03	2.066 1844	33.39
41	.030 8831	32.37	.042 5960	32.70	.054 4279	33.04	.066 3847	33.39
42	.031 0774	32.38	.042 7922	32.70	.054 6262	33.04	.066 5851	33.40
43	.031 2717	32.39	.042 9884	32.71	.054 8244	33.05	.066 7855	33.40
44	.031 4660	32.39	.043 1847	32.71	.055 0227	33.05	.066 9860	33.41
45	2.031 6604	32.40	2.043 3810	32.72	2.055 2211	33.06	2.067 1865	33.42
46	.031 8548	32.40	.043 5773	32.73	.055 4195	33.07	.067 3870	33.42
47	.032 0492	32.41	.043 7737	32.73	.055 6179	33.07	.067 5875	33.43
48	.032 2437	32.41	.043 9701	32.74	.055 8163	33.08	.067 7881	33.43
49	.032 4382	32.42	.044 1665	32.74	.056 0148	33.08	.067 9887	33.44
50	2.032 6327	32.42	2.044 3630	32.75	2.056 2133	33.09	2.068 1894	33.45
51	.032 8272	32.43	.044 5595	32.75	.056 4119	33.10	.068 3901	33.45
52	.033 0218	32.43	.044 7561	32.76	.056 6105	33.10	.068 5908	33.46
53	.033 2164	32.44	.044 9526	32.76	.056 8091	33.11	.068 7916	33.47
54	.033 4111	32.44	.045 1492	32.77	.057 0078	33.11	.068 9924	33.47
55	2.033 6058	32.45	2.045 3459	32.78	2.057 2065	33.12	2.069 1933	33.48
56	.033 8005	32.45	.045 5426	32.78	.057 4052	33.12	.069 3942	33.48
57	.033 9952	32.46	.045 7393	32.79	.057 6040	33.13	.069 5951	33.49
58	.034 1900	32.47	.045 9360	32.79	.057 8028	33.14	.069 7960	33.50
59	.034 3848	32.47	.046 1328	32.80	.058 0016	33.14	.069 9970	33.50
60	2.034 5797	32.48	2.046 3296	32.80	2.058 2005	33.15	2.070 1980	33.51

Tafel VI.

Die Barker'sche Tafel.

$v.$	96^0		97^0		98^0		99^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.070 1980	33.51	2.082 3282	33.88	2.094 5971	34.28	2.107 0109	34.69
1	.070 3991	33.51	.082 5316	33.89	.094 8028	34.29	.107 2190	34.70
2	.070 6002	33.52	.082 7349	33.90	.095 0085	34.29	.107 4272	34.70
3	.070 8014	33.53	.082 9383	33.90	.095 2143	34.30	.107 6355	34.71
4	.071 0025	33.53	.083 1418	33.91	.095 4201	34.31	.107 8437	34.72
5	2.071 2037	33.54	2.083 3453	33.92	2.095 6260	34.31	2.108 0521	34.72
6	.071 4050	33.54	.083 5488	33.92	.095 8318	34.32	.108 2604	34.73
7	.071 6063	33.55	.083 7523	33.93	.096 0378	34.33	.108 4689	34.74
8	.071 8076	33.56	.083 9559	33.94	.096 2438	34.33	.108 6773	34.75
9	.072 0090	33.56	.084 1596	33.94	.096 4498	34.34	.108 8858	34.75
10	2.072 2104	33.57	2.084 3633	33.95	2.096 6558	34.35	2.109 0944	34.76
11	.072 4118	33.58	.084 5670	33.96	.096 8619	34.35	.109 3029	34.77
12	.072 6133	33.58	.084 7707	38.96	.097 0681	34.36	.109 5116	34.77
13	.072 8148	33.59	.084 9745	33.97	.097 2742	34.37	.109 7202	34.78
14	.073 0163	33.59	.085 1783	33.98	.097 4804	34.37	.109 9289	34.79
15	2.073 2179	33.60	2.085 3822	33.98	2.097 6867	34.38	2.110 1377	34.80
16	.073 4195	33.61	.085 5861	33.99	.097 8930	34.39	.110 3465	34.80
17	.073 6212	33.61	.085 7901	33.99	.098 0993	34.39	.110 5553	34.81
18	.073 8229	33.62	.085 9941	34.00	.098 3057	34.40	.110 7642	34.82
19	.074 0246	33.63	.086 1981	34.01	.098 5121	34.41	.110 9731	34.82
20	2.074 2264	33.63	2.086 4021	34.01	2.098 7186	34.41	2.111 1821	34.83
21	.074 4282	33.64	.086 6062	34.02	.098 9251	34.42	.111 3911	34.84
22	.074 6301	33.64	.086 8104	34.03	.099 1316	34.43	.111 6001	34.85
23	.074 8320	33.65	.087 0146	34.03	.099 3382	34.43	.111 8092	34.85
24	.075 0339	33.66	.087 2188	34.04	.099 5449	34.44	.112 0184	34.86
25	2.075 2358	33.66	2.087 4231	34.05	2.099 7515	34.45	2.112 2275	34.87
26	.075 4378	33.67	.087 6274	34.05	.099 9582	34.45	.112 4368	34.87
27	.075 6399	33.67	.087 8317	34.06	.100 1650	34.46	.112 6460	34.88
28	.075 8419	33.68	.088 0361	34.07	.100 3718	34.47	.112 8553	34.89
29	.076 0440	33.69	.088 2405	34.07	.100 5786	34.48	.113 0647	34.90
30	2.076 2462	33.69	2.088 4449	34.08	2.100 7855	34.48	2.113 2741	34.90
31	.076 4484	33.70	.088 6494	34.09	.100 9924	34.49	.113 4835	34.91
32	.076 6507	33.71	.088 8540	34.09	.101 1993	34.50	.113 6930	34.92
33	.076 8529	33.71	.089 0586	34.10	.101 4063	34.50	.113 9025	34.92
34	.077 0552	33.72	.089 2632	34.11	.101 6134	34.51	.114 1121	34.93
35	2.077 2575	33.73	2.089 4678	34.11	2.101 8204	34.52	2.114 3217	34.94
36	.077 4599	33.73	.089 6725	34.12	.102 0276	34.52	.114 5313	34.95
37	.077 6623	33.74	.089 8772	34.12	.102 2347	34.53	.114 7410	34.95
38	.077 8647	33.74	.090 0820	34.13	.102 4419	34.54	.114 9508	34.96
39	.078 0672	33.75	.090 2868	34.14	.102 6492	34.54	.115 1605	34.97
40	2.078 2697	33.76	2.090 4917	34.15	2.102 8564	34.55	2.115 3704	34.97
41	.078 4723	33.76	.090 6966	34.15	.103 0638	34.56	.115 5802	34.98
42	.078 6749	33.77	.090 9015	34.16	.103 2711	34.56	.115 7901	34.99
43	.078 8775	33.78	.091 1065	34.17	.103 4785	34.57	.116 0001	35.00
44	.079 0802	33.78	.091 3115	34.17	.103 6860	34.58	.116 2101	35.00
45	2.079 2829	33.79	2.091 5165	34.18	2.103 8935	34.59	2.116 4201	35.01
46	.079 4857	33.80	.091 7216	34.19	.104 1010	34.59	.116 6301	35.02
47	.079 6885	33.80	.091 9268	34.19	.104 3086	34.60	.116 8403	35.02
48	.079 8913	33.81	.092 1319	34.20	.104 5162	34.61	.117 0505	35.03
49	.080 0942	33.81	.092 3371	34.20	.104 7239	34.61	.117 2607	35.04
50	2.080 2971	33.82	2.092 5424	34.21	2.104 9316	34.62	2.117 4710	35.05
51	.080 5000	33.83	.092 7477	34.22	.105 1393	34.63	.117 6813	35.05
52	.080 7030	33.83	.092 9530	34.22	.105 3471	34.63	.117 8916	35.06
53	.080 9060	33.84	.093 1584	34.23	.105 5549	34.64	.118 1020	35.07
54	.081 1091	33.85	.093 3638	34.24	.105 7628	34.65	.118 3124	35.08
55	2.081 3122	33.85	2.093 5692	34.25	2.105 9707	34.66	2.118 5229	35.08
56	.081 5153	33.86	.093 7747	34.25	.106 1786	34.66	.118 7334	35.09
57	.081 7185	33.87	.093 9803	34.26	.106 3866	34.67	.118 9440	35.10
58	.081 9217	33.87	.094 1858	34.27	.106 5947	34.68	.119 1546	35.10
59	.082 1249	33.88	.094 3914	34.27	.106 8027	34.68	.119 3652	35.11
60	2.082 3282	33.88	2.094 5971	34.28	2.107 0109	34.69	2.119 5759	35.12

Tafel VI.

Die Barker'sche Tafel.

v.	100^0		101^0		102^0		103^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.119 5759	35.12	2.132 2989	35.57	2.145 1866	36.03	2.158 2460	36.52
1	.119 7867	35.13	.132 5123	35.57	.145 4028	36.04	.158 4652	36.53
2	.119 9974	35.13	.132 7258	35.58	.145 6191	36.05	.158 6844	36.54
3	.120 2083	35.14	.132 9393	35.59	.145 8354	36.06	.158 9036	36.55
4	.120 4191	35.15	.133 1529	35.60	.146 0518	36.07	.159 1229	36.55
5	2.120 6301	35.16	2.133 3665	35.61	2.146 2682	36.07	2.159 3423	36.56
6	.120 8410	35.16	.133 5802	35.61	.146 4847	36.08	.159 5617	36.57
7	.121 0520	35.17	.133 7939	35.62	.146 7012	36.09	.159 7811	36.58
8	.121 2630	35.18	.134 0076	35.63	.146 9178	36.10	.160 0006	36.59
9	.121 4741	35.19	.134 2214	35.64	.147 1344	36.11	.160 2202	36.60
10	2.121 6853	35.19	2.134 4352	35.64	2.147 3510	36.11	2.160 4398	36.60
11	.121 8965	35.20	.134 6491	35.65	.147 5677	36.12	.160 6594	36.61
12	.122 1077	35.21	.134 8631	35.66	.147 7845	36.13	.160 8791	36.62
13	.122 3190	35.21	.135 0770	35.67	.148 0013	36.14	.161 0989	36.63
14	.122 5303	35.22	.135 2910	35.67	.148 2182	36.15	.161 3187	36.64
15	2.122 7416	35.23	2.135 5051	35.68	2.148 4351	36.15	2.161 5385	36.65
16	.122 9530	35.24	.135 7192	35.69	.148 6520	36.16	.161 7584	36.65
17	.123 1644	35.24	.135 9334	35.70	.148 8690	36.17	.161 9784	36.66
18	.123 3759	35.25	.136 1476	35.71	.149 0861	36.18	.162 1984	36.67
19	.123 5875	35.26	.136 3619	35.71	.149 3032	36.19	.162 4185	36.68
20	2.123 7990	35.27	2.136 5762	35.72	2.149 5203	36.19	2.162 6386	36.69
21	.124 0107	35.27	.136 7905	35.73	.149 7375	36.20	.162 8587	36.70
22	.124 2223	35.28	.137 0049	35.74	.149 9547	36.21	.163 0789	36.70
23	.124 4340	35.29	.137 2193	35.74	.150 1720	36.22	.163 2992	36.71
24	.124 6458	35.30	.137 4338	35.75	.150 3893	36.23	.163 5195	36.72
25	2.124 8576	35.30	2.137 6484	35.76	2.150 6067	36.23	2.163 7398	36.73
26	.125 0694	35.31	.137 8630	35.77	.150 8242	36.24	.163 9602	36.74
27	.125 2813	35.32	.138 0776	35.77	.151 0417	36.25	.164 1807	36.74
28	.125 4933	35.33	.138 2922	35.78	.151 2592	36.26	.164 4012	36.75
29	.125 7052	35.33	.138 5070	35.79	.151 4768	36.27	.164 6218	36.76
30	2.125 9173	35.34	2.138 7217	35.80	2.151 6944	36.28	2.164 8424	36.77
31	.126 1293	35.35	.138 9365	35.81	.151 9121	36.28	.165 0630	36.78
32	.126 3414	35.35	.139 1514	35.81	.152 1298	36.29	.165 2837	36.79
33	.126 5536	35.36	.139 3663	35.82	.152 3476	36.30	.165 5045	36.80
34	.126 7658	35.37	.139 5813	35.83	.152 5654	36.31	.165 7253	36.81
35	2.126 9780	35.38	2.139 7963	35.84	2.152 7833	36.32	2.165 9462	36.81
36	.127 1903	35.39	.140 0113	35.84	.153 0012	36.32	.166 1671	36.82
37	.127 4027	35.39	.140 2264	35.85	.153 2192	36.33	.166 3881	36.83
38	.127 6151	35.40	.140 4415	35.86	.153 4372	36.34	.166 6091	36.84
39	.127 8275	35.41	.140 6567	35.87	.153 6552	36.35	.166 8301	36.85
40	2.128 0400	35.42	2.140 8720	35.88	2.153 8734	36.35	2.167 0513	36.86
41	.128 2525	35.42	.141 0873	35.88	.154 0915	36.36	.167 2724	36.87
42	.128 4650	35.43	.141 3026	35.89	.154 3097	36.37	.167 4936	36.87
43	.128 6776	35.44	.141 5180	35.90	.154 5280	36.38	.167 7149	36.88
44	.128 8903	35.45	.141 7334	35.91	.154 7463	36.39	.167 9362	36.89
45	2.129 1030	35.45	2.141 9489	35.92	2.154 9647	36.40	2.168 1576	36.90
46	.129 3157	35.46	.142 1644	35.92	.155 1831	36.41	.168 3790	36.91
47	.129 5285	35.47	.142 3799	35.93	.155 4015	36.41	.168 6005	36.92
48	.129 7414	35.48	.142 5955	35.94	.155 6200	36.42	.168 8220	36.93
49	.129 9542	35.48	.142 8112	35.95	.155 8386	36.43	.169 0436	36.93
50	2.130 1672	35.49	2.143 0269	35.96	2.156 0572	36.44	2.169 2652	36.94
51	.130 3801	35.50	.143 2427	35.96	.156 2759	36.45	.169 4869	36.95
52	.130 5931	35.51	.143 4585	35.97	.156 4946	36.46	.169 7087	36.96
53	.130 8062	35.51	.143 6743	35.98	.156 7133	36.46	.169 9304	36.97
54	.131 0193	35.52	.143 8902	35.99	.156 9321	36.47	.170 1523	36.98
55	2.131 2325	35.53	2.144 1062	36.00	2.157 1510	36.48	2.170 3742	36.99
56	.131 4457	35.54	.144 3222	36.00	.157 3699	36.49	.170 5961	36.99
57	.131 6589	35.54	.144 5382	36.01	.157 5889	36.50	.170 8181	37.00
58	.131 8722	35.55	.144 7543	36.02	.157 8079	36.50	.171 0401	37.01
59	.132 0855	35.56	.144 9704	36.03	.158 0269	36.51	.171 2622	37.02
60	2.132 2989	35.57	2.145 1866	36.03	2.158 2460	36.52	2.171 4844	37.03

Tafel VI.

Die Barker'sche Tafel.

$v.$	104^0		105^0		106^0		107^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.171 4844	37.03	2.184 9092	37.56	2.198 5282	38.11	2.212 3493	38.68
1	.171 7066	37.04	.185 1346	37.57	.198 7568	38.12	.212 5814	38.69
2	.171 9288	37.05	.185 3600	37.57	.198 9856	38.13	.212 8136	38.70
3	.172 1511	37.05	.185 5855	37.58	.199 2144	38.14	.213 0458	38.71
4	.172 3735	37.06	.185 8110	37.59	.199 4432	38.14	.213 2781	38.72
5	2.172 5959	37.07	2.186 0366	37.60	2.199 6721	38.15	2.213 5104	38.73
6	.172 8184	37.08	.186 2622	37.61	.199 9010	38.16	.213 7428	38.74
7	.173 0409	37.09	.186 4879	37.62	.200 1300	38.17	.213 9753	38.75
8	.173 2634	37.10	.186 7137	37.63	.200 3591	38.18	.214 2078	38.76
9	.173 4860	37.11	.186 9395	37.64	.200 5882	38.19	.214 4404	38.77
10	2.173 7087	37.12	2.187 1653	37.65	2.200 8174	38.20	2.214 6730	38.78
11	.173 9314	37.12	.187 3912	37.66	.201 0467	38.21	.214 9057	38.79
12	.174 1542	37.13	.187 6172	37.67	.201 2760	38.22	.215 1385	38.80
13	.174 3770	37.14	.187 8432	37.67	.201 5053	38.23	.215 3713	38.81
14	.174 5999	37.15	.188 0693	37.68	.201 7347	38.24	.215 6042	38.82
15	2.174 8228	37.16	2.188 2954	37.69	2.201 9642	38.25	2.215 8371	38.83
16	.175 0458	37.17	.188 5216	37.70	.202 1937	38.26	.216 0701	38.84
17	.175 2688	37.18	.188 7478	37.71	.202 4233	38.27	.216 3032	38.85
18	.175 4919	37.18	.188 9741	37.72	.202 6529	38.28	.216 5363	38.86
19	.175 7150	37.19	.189 2005	37.73	.202 8826	38.29	.216 7694	38.87
20	2.175 9382	37.20	2.189 4269	37.74	2.203 1123	38.30	2.217 0027	38.88
21	.176 1615	37.21	.189 6533	37.75	.203 3421	38.31	.217 2360	38.89
22	.176 3848	37.22	.189 8798	37.76	.203 5720	38.31	.217 4693	38.90
23	.176 6081	37.23	.190 1064	37.77	.203 8019	38.32	.217 7027	38.91
24	.176 8315	37.24	.190 3330	37.77	.204 0319	38.33	.217 9362	38.92
25	2.177 0550	37.25	2.190 5597	37.78	2.204 2619	38.34	2.218 1697	38.93
26	.177 2785	37.25	.190 7864	37.79	.204 4920	38.35	.218 4033	38.94
27	.177 5020	37.26	.191 0132	37.80	.204 7222	38.36	.218 6369	38.95
28	.177 7256	37.27	.191 2401	37.81	.204 9524	38.37	.218 8706	38.96
29	.177 9493	37.28	.191 4670	37.82	.205 1826	38.38	.219 1044	38.97
30	2.178 1730	37.29	2.191 6939	37.83	2.205 4129	38.39	2.219 3382	38.98
31	.178 3968	37.30	.191 9209	37.84	.205 6433	38.40	.219 5721	38.99
32	.178 6206	37.31	.192 1480	37.85	.205 8737	38.41	.219 8061	39.00
33	.178 8445	37.32	.192 3751	37.86	.206 1042	38.42	.220 0401	39.01
34	.179 0684	37.33	.192 6023	37.87	.206 3348	38.43	.220 2741	39.02
35	2.179 2924	37.33	2.192 8295	37.88	2.206 5654	38.44	2.220 5082	39.03
36	.179 5164	37.34	.193 0568	37.88	.206 7961	38.45	.220 7424	39.04
37	.179 7405	37.35	.193 2841	37.89	.207 0268	38.46	.220 9767	39.05
38	.179 9646	37.36	.193 5115	37.90	.207 2575	38.47	.221 2110	39.06
39	.180 1888	37.37	.193 7389	37.91	.207 4884	38.48	.221 4453	39.07
40	2.180 4131	37.38	2.193 9664	37.92	2.207 7193	38.49	2.221 6797	39.08
41	.180 6374	37.39	.194 1940	37.93	.207 9502	38.50	.221 9142	39.09
42	.180 8617	37.40	.194 4216	37.94	.208 1812	38.51	.222 1488	39.10
43	.181 0861	37.41	.194 6493	37.95	.208 4123	38.52	.222 3834	39.11
44	.181 3106	37.41	.194 8770	37.96	.208 6434	38.53	.222 6180	39.12
45	2.181 5351	37.42	2.195 1048	37.97	2.208 8746	38.54	2.222 8528	39.13
46	.181 7597	37.43	.195 3326	37.98	.209 1058	38.54	.223 0876	39.14
47	.181 9843	37.44	.195 5605	37.99	.209 3371	38.55	.223 3224	39.15
48	.182 1089	37.45	.195 7885	38.00	.209 5685	38.56	.223 5573	39.16
49	.182 4337	37.46	.196 0165	38.00	.209 7999	38.57	.223 7923	39.17
50	2.182 6584	37.47	2.196 2445	38.01	2.210 0314	38.58	2.224 0273	39.18
51	.182 8833	37.48	.196 4726	38.02	.210 2629	38.59	.224 2624	39.19
52	.183 1082	37.49	.196 7008	38.03	.210 4945	38.60	.224 4975	39.20
53	.183 3331	37.49	.196 9290	38.04	.210 7261	38.61	.224 7327	39.21
54	.183 5581	37.50	.197 1573	38.05	.210 9578	38.62	.224 9680	39.22
55	2.183 7831	37.51	2.197 3856	38.06	2.211 1896	38.63	2.225 2033	39.23
56	.184 0082	37.52	.197 6140	38.07	.211 4214	38.64	.225 4387	39.24
57	.184 2334	37.53	.197 8425	38.08	.211 6533	38.65	.225 6741	39.25
58	.184 4586	37.54	.198 0710	38.09	.211 8852	38.66	.225 9096	39.26
59	.184 6839	37.55	.198 2995	38.10	.212 1172	38.67	.226 1452	39.27
60	2.184 9092	37.56	2.198 5282	38.11	2.212 3493	38.68	2.226 3808	39.28

Tafel VI.
Die Barker'sche Tafel.

$v.$	108^0		109^0		110^0		111^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.226 3808	39.28	2.240 6314	39.90	2.255 1099	40.54	2.269 8255	41.21
1	.226 6165	39.29	.240 8708	39.91	.255 3532	40.55	.270 0728	41.23
2	.226 8523	39.30	.241 1103	39.92	.255 5965	40.56	.270 3202	41.24
3	.227 0881	39.31	.241 3498	39.93	.255 8399	40.58	.270 5676	41.25
4	.227 3240	39.32	.241 5894	39.94	.256 0834	40.59	.270 8152	41.26
5	2.227 5599	39.33	2.241 8291	29.95	2.256 3270	40.60	2.271 0628	41.27
6	.227 7959	39.34	.242 0688	39.96	.256 5706	40.61	.271 3104	41.28
7	.228 0320	39.35	.242 3086	39.97	.256 8143	40.62	.271 5582	41.29
8	.228 2681	39.36	.242 5485	39.98	.257 0580	40.63	.271 8060	41.30
9	.228 5043	39.37	.242 7884	39.99	.257 3019	40.64	.272 0538	41.32
10	2.228 7405	39.38	2.243 0284	40.00	2.257 5458	40.65	2.272 3018	41.33
11	.228 9768	39.39	.243 2685	40.01	.257 7897	40.66	.272 5498	41.34
12	.229 2131	39.40	.243 5086	40.02	.258 0337	40.68	.272 7979	41.35
13	.229 4496	39.41	.243 7488	40.03	.258 2778	40.69	.273 0460	41.36
14	.229 6861	39.42	.243 9890	40.05	.258 5220	40.70	.273 2942	41.38
15	2.229 9226	39.43	2.244 2293	40.06	2.258 7662	40.71	2.273 5425	41.39
16	.230 1592	39.44	.244 4697	40.07	.259 0105	40.72	.273 7909	41.40
17	.230 3959	39.45	.244 7101	40.08	.259 2548	40.73	.274 0393	41.41
18	.230 6326	39.46	.244 9506	40.09	.259 4992	40.74	.274 2878	41.42
19	.230 8694	39.47	.245 1912	40.10	.259 7437	40.75	.274 5364	41.43
20	2.231 1063	39.48	2.245 4318	40.11	2.259 9883	40.76	2.274 7850	41.44
21	.231 3432	39.49	.245 6725	40.12	.260 2329	40.78	.275 0337	41.46
22	.231 5802	39.50	.245 9132	40.13	.260 4776	40.79	.275 2825	41.47
23	.231 8172	39.51	.246 1541	40.14	.260 7223	40.80	.275 5313	41.48
24	.232 0543	39.52	.246 3949	40.15	.260 9671	40.81	.275 7802	41.49
25	2.232 2915	39.53	2.246 6359	40.16	2.261 2120	40.82	2.276 0292	41.50
26	.232 5287	39.54	.246 8769	40.17	.261 4570	40.83	.276 2783	41.51
27	.232 7660	39.55	.247 1180	40.18	.261 7020	40.84	.276 5274	41.53
28	.233 0033	39.56	.247 3591	40.19	.261 9471	40.85	.276 7766	41.54
29	.233 2407	39.57	.247 6003	40.21	.262 1922	40.86	.277 0258	41.55
30	2.233 4782	39.58	2.247 8416	40.22	2.262 4374	40.88	2.277 2752	41.56
31	.233 7157	39.59	.248 0829	40.23	.262 6827	40.89	.277 5246	41.57
32	.233 9533	39.60	.248 3243	40.24	.262 9281	40.90	.277 7740	41.58
33	.234 1910	39.61	.248 5658	40.25	.263 1735	40.91	.278 0236	41.60
34	.234 4287	39.63	.248 8073	40.26	.263 4190	40.92	.278 2732	41.61
35	2.234 6665	39.64	2.249 0489	40.27	2.263 6645	40.93	2.278 5229	41.62
36	.234 9043	39.65	.249 2906	40.28	.263 9102	40.94	.278 7726	41.63
37	.235 1422	39.66	.249 5323	40.29	.264 1559	40.95	.279 0224	41.64
38	.235 3802	39.67	.249 7741	40.30	.264 4016	40.96	.279 2723	41.65
39	.235 6183	39.68	.250 0159	40.31	.264 6474	40.98	.279 5223	41.67
40	2.235 8563	39.69	2.250 2578	40.32	2.264 8933	40.99	2.279 7723	41.68
41	.236 0945	39.70	.250 4998	40.34	.265 1393	41.00	.280 0224	41.69
42	.236 3327	39.71	.250 7419	40.35	.265 3853	41.01	.280 2726	41.70
43	.236 5710	39.72	.250 9840	40.36	.265 6314	41.02	.280 5228	41.71
44	.236 8093	39.73	.251 2262	40.37	.265 8776	41.03	.280 7731	41.72
45	2.237 0478	39.74	2.251 4684	40.38	2.266 1238	41.04	2.281 0235	41.74
46	.237 2862	39.75	.251 7107	40.39	.266 3701	41.06	.281 2740	41.75
47	.237 5247	39.76	.251 9531	40.40	.266 6165	41.07	.281 5245	41.76
48	.237 7633	39.77	.252 1955	40.41	.266 8629	41.08	.281 7751	41.77
49	.238 0020	39.78	.252 4380	40.42	.267 1094	41.09	.282 0258	41.78
50	2.238 2407	39.79	2.252 6806	40.43	2.267 3560	41.10	2.282 2765	41.80
51	.238 4795	39.80	.252 9232	40.44	.267 6026	41.11	.282 5273	41.81
52	.238 7284	39.81	.253 1659	40.46	.267 8493	41.12	.282 7782	41.82
53	.238 9573	39.82	.253 4087	40.47	.268 0961	41.13	.283 0291	41.83
54	.239 1962	39.83	.253 6515	40.48	.268 3430	41.15	.283 2801	41.84
55	2.239 4353	39.84	2.253 8944	40.49	2.268 5899	41.16	2.283 5312	41.85
56	.239 6744	39.86	.254 1374	40.50	.268 8369	41.17	.283 7824	41.87
57	.239 9135	39.87	.254 3804	40.51	.269 0839	41.18	.284 0336	41.88
58	.240 1528	39.88	.254 6235	40.52	.269 3310	41.19	.284 2849	41.89
59	.240 3921	39.89	.254 8666	40.53	.269 5782	41.20	.284 5363	41.90
60	2.240 6314	39.90	2.255 1099	40.54	2.269 8255	41.21	2.284 7878	41.91

Tafel VI.

Die Barker'sche Tafel.

$v.$	112^0		113^0		114^0		115^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.284 7878	41.91	2.300 0067	42.64	2.315 4927	43.40	2.331 2564	44.18
1	.285 0393	41.93	.300 2626	42.65	.315 7531	43.41	.331 5216	44.20
2	.285 2909	41.94	.300 5186	42.67	.316 0136	43.42	.331 7868	44.21
3	.285 5425	41.95	.300 7746	42.68	.316 2742	43.44	.332 0521	44.22
4	.285 7943	41.96	.301 0307	42.69	.316 5348	43.45	.332 3175	44.24
5	2.286 0461	41.97	2.301 2869	42.70	2.316 7956	43.46	2.232 5830	44.25
6	.286 2979	41.99	.301 5431	42.72	.317 0564	43.47	.232 8485	44.26
7	.286 5499	42.00	.301 7995	42.73	.317 3173	43.49	.333 1141	44.28
8	.286 8019	42.01	.302 0559	42.74	.317 5782	43.50	.333 3799	44.29
9	.287 0540	42.02	.302 3123	42.75	.317 8393	43.51	.333 6456	44.31
10	2.287 3062	42.03	2.302 5689	42.76	2.318 1004	43.53	2.333 9115	44.32
11	.287 5584	42.04	.302 8255	42.78	.318 3616	43.54	.334 1775	44.33
12	.287 8107	42.06	.303 0822	42.79	.318 6229	43.55	.334 4435	44.34
13	.288 0631	42.07	.303 3390	42.80	.318 8842	43.56	.334 7096	44.36
14	.288 3155	42.08	.303 5958	42.81	.319 1456	43.58	.334 9758	44.37
15	2.288 5680	42.09	2.303 8528	42.83	2.319 4072	43.59	2.335 2421	44.39
16	.288 8206	42.10	.304 1098	42.84	.319 6687	43.60	.335 5084	44.40
17	.289 0733	42.12	.304 3668	42.85	.319 9304	43.62	.335 7749	44.41
18	.289 3260	42.13	.304 6240	42.86	.320 1921	43.63	.336 0414	44.43
19	.289 5788	42.14	.304 8812	42.88	.320 4540	43.64	.336 3080	44.44
20	2.289 8317	42.15	2.305 1385	42.89	2.320 7159	43.66	2.336 5747	44.45
21	.290 0847	42.16	.305 3959	42.90	.320 9778	43.67	.336 8414	44.47
22	.290 3377	42.18	.305 6533	42.91	.321 2399	43.68	.337 1083	44.48
23	.290 5908	42.19	.305 9109	42.93	.321 5020	43.69	.337 3752	44.49
24	.290 8440	42.20	.306 1685	42.94	.321 7642	43.70	.337 6422	44.51
25	2.291 0972	42.21	2.306 4261	42.95	2.322 0265	43.72	2.337 9093	44.52
26	.291 3505	42.22	.306 6839	42.96	.322 2889	43.73	.338 1765	44.53
27	.291 6039	42.24	.306 9417	42.98	.322 5513	43.75	.338 4437	44.55
28	.291 8574	42.25	.307 1996	42.99	.322 8139	43.76	.338 7111	44.56
29	.292 1109	42.26	.307 4576	43.00	.323 0765	43.77	.338 9785	44.58
30	2.292 3645	42.27	2.307 7157	43.02	2.323 3391	43.79	2.339 2460	44.59
31	.292 6182	42.29	.307 9738	43.03	.323 6019	43.80	.339 5135	44.60
32	.292 8719	42.30	.308 2320	43.04	.323 8647	43.81	.339 7812	44.62
33	.293 1258	42.31	.308 4903	43.05	.324 1277	43.83	.340 0490	44.63
34	.293 3797	42.32	.308 7486	43.07	.324 3907	43.84	.340 3168	44.64
35	2.293 6336	42.33	2.309 0071	43.08	2.324 6537	43.85	2.340 5847	44.66
36	.293 8877	42.35	.309 2656	43.09	.324 9169	43.87	.340 8527	44.67
37	.294 1418	42.36	.309 5242	43.10	.325 1801	43.88	.341 1207	44.69
38	.294 3960	42.37	.309 7828	43.12	.325 4434	43.89	.341 3889	44.70
39	.294 6503	42.38	.310 0416	43.13	.325 7068	43.91	.341 6571	44.71
40	2.294 9046	42.40	2.310 3004	43.14	2.325 9703	43.92	2.341 9255	44.73
41	.295 1590	42.41	.310 5593	43.15	.326 2339	43.93	.342 1939	44.74
42	.295 4135	42.42	.310 8182	43.17	.326 4975	43.94	.342 4623	44.75
43	.295 6680	42.43	.311 0773	43.18	.326 7612	43.96	.342 7309	44.77
44	.295 9227	42.44	.311 3364	43.19	.327 0250	43.97	.342 9995	44.78
45	2.296 1774	42.46	2.311 5956	43.21	2.327 2889	43.98	2.343 2683	44.80
46	.296 4321	42.47	.311 8549	43.22	.327 5528	44.00	.343 5371	44.81
47	.296 6870	42.48	.312 1142	43.23	.327 8168	44.01	.343 8060	44.82
48	.296 9419	42.49	.312 3736	43.24	.328 0809	44.02	.344 0750	44.84
49	.297 1969	42.51	.312 6331	43.26	.328 3451	44.04	.344 3440	44.85
50	2.297 4520	42.52	2.312 8927	43.27	2.328 6094	44.05	2.344 6132	44.86
51	.297 7071	42.53	.313 1524	43.28	.328 8737	44.06	.344 8824	44.88
52	.297 9623	42.54	.313 4121	43.29	.329 1382	44.08	.345 1517	44.89
53	.298 2176	42.55	.313 6719	43.31	.329 4027	44.09	.345 4211	44.91
54	.298 4730	42.57	.313 9318	43.32	.329 6672	44.10	.345 6906	44.92
55	2.298 7284	42.58	2.314 1917	43.33	2.329 9319	44.12	2.345 9601	44.93
56	.298 9839	42.59	.314 4518	43.35	.330 1967	44.13	.346 2298	44.95
57	.299 2395	42.60	.314 7119	43.36	.330 4615	44.14	.346 4995	44.96
58	.299 4952	42.61	.314 9721	43.37	.330 7264	44.16	.346 7693	44.97
59	.299 7509	42.63	.315 2323	43.38	.330 9914	44.17	.347 0392	44.99
60	2.300 0067	42.64	2.315 4927	43.40	2.331 2564	44.18	2.347 3092	45.00

Tafel VI.

Die Barker'sche Tafel.

v.	116^0		117^0		118^0		119^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.347 3092	45.00	2.363 6626	45.86	2.380 3290	46.74	2.397 3210	47.66
1	.347 5792	45.02	.363 9378	45.87	.380 6095	46.76	.397 6070	47.68
2	.347 8494	45.03	.364 2131	45.88	.380 8901	46.77	.397 8931	47.70
3	.348 1196	45.04	.364 4885	45.90	.381 1708	46.79	.398 1794	47.71
4	.348 3899	45.06	.364 7639	45.91	.381 4515	46.80	.398 4657	47.73
5	2.348 6603	45.07	2.365 0394	45.93	2.381 7324	46.82	2.398 7521	47.74
6	.348 9308	45.09	.365 3150	45.94	.382 0133	46.83	.399 0386	47.76
7	.349 2014	45.10	.365 5907	45.96	.382 2944	46.85	.399 3252	47.77
8	.349 4720	45.11	.365 8665	45.97	.382 5755	46.86	.399 6119	47.79
9	.349 7428	45.13	.366 1423	45.99	.382 8567	46.88	.399 8987	47.81
10	2.350 0136	45.14	2.366 4183	46.00	2.383 1380	46.89	2.400 1856	47.82
11	.350 2845	45.16	.366 6944	46.01	.383 4194	46.91	.400 4725	47.84
12	.350 5554	45.17	.366 9705	46.03	.383 7009	46.92	.400 7596	47.85
13	.350 8265	45.18	.367 2467	46.04	.383 9825	46.94	.401 0468	47.87
14	.351 0977	45.20	.367 5230	46.06	.384 2642	46.95	.401 3340	47.89
15	2.351 3689	45.21	2.367 7994	46.07	2.384 5460	46.97	2.401 6214	47.90
16	.351 6402	45.23	.368 0759	46.09	.384 8278	46.98	.401 9088	47.92
17	.351 9116	45.24	.368 3525	46.10	.385 1098	46.99	.402 1964	47.93
18	.352 1831	45.25	.368 6291	46.12	.385 3918	47.01	.402 4840	47.95
19	.352 4547	45.27	.368 9059	46.13	.385 6739	47.03	.402 7718	47.97
20	2.352 7263	45.28	2.369 1827	46.15	2.385 9562	47.05	2.403 0596	47.98
21	.352 9981	45.30	.369 4596	46.16	.386 2385	47.06	.403 3475	48.00
22	.353 2699	45.31	.369 7367	46.18	.386 5209	47.08	.403 6356	48.01
23	.353 5418	45.33	.370 0138	46.19	.386 8034	47.09	.403 9237	48.03
24	.353 8138	45.34	.370 2909	46.21	.387 0860	47.11	.404 2119	48.04
25	2.354 0859	45.35	2.370 5682	46.22	2.387 3687	47.12	2.404 5002	48.06
26	.354 3581	45.37	.370 8456	46.24	.387 6514	47.14	.404 7886	48.08
27	.354 6303	45.38	.371 1230	46.25	.387 9343	47.15	.405 0771	48.09
28	.354 9027	45.40	.371 4006	46.26	.388 2173	47.17	.405 3657	48.11
29	.355 1751	45.41	.371 6782	46.28	.388 5003	47.18	.405 6544	48.12
30	2.355 4476	45.42	2.371 9559	46.29	2.388 7835	47.20	2.405 9432	48.14
31	.355 7202	45.44	.372 2337	46.31	.389 0667	47.21	.406 2321	48.16
32	.355 9928	45.45	.372 5116	46.32	.389 3500	47.23	.406 5211	48.17
33	.356 2656	45.47	.372 7896	46.34	.389 6335	47.24	.406 8102	48.19
34	.356 5385	45.48	.373 0677	46.35	.389 9170	47.26	.407 0993	48.20
35	2.356 8114	45.50	2.373 3459	46.37	2.390 2006	47.28	2.407 3886	48.22
36	.357 0844	45.51	.373 6241	46.38	.390 4843	47.29	.407 6780	48.24
37	.357 3575	45.52	.373 9024	46.40	.390 7681	47.31	.407 9674	48.25
38	.357 6307	45.54	.374 1809	46.41	.391 0519	47.32	.408 2570	48.27
39	.357 9040	45.55	.374 4594	46.43	.391 3359	47.34	.408 5467	48.28
40	2.358 1773	45.57	2.374 7380	46.44	2.391 6200	47.35	2.408 8364	48.30
41	.358 4508	45.58	.375 0167	46.46	.391 9042	47.37	.409 1263	48.32
42	.358 7243	45.60	.375 2955	46.47	.392 1884	47.38	.409 4162	48.33
43	.358 9979	45.61	.375 5744	46.49	.392 4728	47.40	.409 7063	48.35
44	.359 2716	45.62	.375 8533	46.50	.392 7572	47.41	.409 9964	48.37
45	2.359 5454	45.64	2.376 1324	46.51	2.393 0417	47.43	2.410 2866	48.38
46	.359 8193	45.65	.376 4115	46.53	.393 3264	47.45	.410 5770	48.40
47	.360 0933	45.67	.376 6908	46.55	.393 6111	47.46	.410 8674	48.41
48	.360 3673	45.68	.376 9701	46.56	.393 8959	47.48	.411 1579	48.43
49	.360 6415	45.70	.377 2495	46.58	.394 1808	47.49	.411 4486	48.45
50	2.360 9157	45.71	2.377 5290	46.59	2.394 4658	47.51	2.411 7393	48.46
51	.361 1900	45.72	.377 8086	46.60	.394 7509	47.52	.412 0301	48.48
52	.361 4644	45.74	.378 0883	46.62	.395 0361	47.54	.412 3210	48.49
53	.361 7389	45.75	.378 3681	46.64	.395 3214	47.55	.412 6120	48.51
54	.362 0134	45.77	.378 6479	46.65	.395 6067	47.57	.412 9031	48.53
55	2.362 2881	45.78	2.378 9279	46.67	2.395 8922	47.59	2.413 1944	48.54
56	.362 5628	45.80	.379 2079	46.68	.396 1778	47.60	.413 4857	48.56
57	.362 8376	45.81	.379 4881	46.70	.396 4634	47.62	.413 7771	48.58
58	.363 1126	45.82	.379 7683	46.71	.396 7492	47.63	.414 0686	48.59
59	.363 3876	45.84	.380 0486	46.73	.397 0350	47.65	.414 3602	48.61
60	2.363 6626	45.86	2.380 3290	46.74	2.397 3210	47.66	2.414 6519	48.62

Tafel VI.

Die Barker'sche Tafel.

v.	120°		121°		122°		123°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.414 6519	48.62	2.432 3356	49.62	2.450 3868	50.67	2.468 8205	51.75
1	.414 9437	48.64	.432 6334	49.64	.450 6908	50.68	.469 1311	51.77
2	.415 2356	48.66	.432 9313	49.66	.450 9950	50.70	.469 4418	51.79
3	.415 5276	48.67	.433 2293	49.68	.451 2992	50.72	.469 7526	51.81
4	.415 8197	48.69	.433 5274	49.69	.451 6036	50.74	.470 0634	51.82
5	2.416 1119	48.71	2.433 8257	49.71	2.451 9081	50.75	2.470 3744	51.84
6	.416 4042	48.72	.434 1240	49.73	.452 2127	50.77	.470 6856	51.86
7	.416 6965	48.74	.434 4224	49.74	.452 5174	50.79	.470 9968	51.88
8	.416 9890	48.76	.434 7209	49.76	.452 8222	50.81	.471 3081	51.90
9	.417 2816	48.77	.435 0195	49.78	.453 1271	50.83	.471 6196	51.92
10	2.417 5743	48.79	2.435 3182	49.80	2.453 4321	50.84	2.471 9311	51.94
11	.417 8671	48.81	.435 6171	49.81	.453 7372	50.86	.472 2428	51.95
12	.418 1600	48.82	.435 9160	49.83	.454 0424	50.88	.472 5546	51.97
13	.418 4529	48.84	.436 2150	49.85	.454 3477	50.90	.472 8665	51.99
14	.418 7460	48.85	.436 5141	49.86	.454 6532	50.92	.473 1785	52.01
15	2.419 0392	48.87	2.436 8134	49.88	2.454 9587	50.93	2.473 4906	52.03
16	.419 3325	48.89	.437 1127	49.90	.455 2644	50.95	.473 8028	52.05
17	.419 6258	48.90	.437 4122	49.92	.455 5701	50.97	.474 1152	52.07
18	.419 9193	48.92	.437 7117	49.93	.455 8760	50.99	.474 4276	52.09
19	.420 2129	48.94	.438 0114	49.95	.456 1820	51.00	.474 7402	52.10
20	2.420 5066	48.95	2.438 3111	49.97	2.456 4881	51.02	2.475 0529	52.12
21	.420 8003	48.97	.438 6110	49.98	.456 7943	51.04	.475 3657	52.14
22	.421 0942	48.99	.438 9109	50.00	.457 1006	51.06	.475 6786	52.16
23	.421 3882	49.00	.439 2110	50.02	.457 4070	51.08	.475 9916	52.18
24	.421 6822	49.02	.439 5112	50.04	.457 7135	51.09	.476 3047	52.20
25	2.421 9764	49.03	2.439 8114	50.05	2.458 0201	51.11	2.476 6180	52.22
26	.422 2707	49.05	.440 1118	50.07	.458 3268	51.13	.476 9313	52.23
27	.422 5650	49.07	.440 4123	50.09	.458 6337	51.15	.477 2448	52.25
28	.422 8595	49.09	.440 7129	50.11	.458 9406	51.17	.477 5584	52.27
29	.423 1541	49.10	.441 0136	50.12	.459 2477	51.18	.477 8721	52.29
30	2.423 4488	49.12	2.441 3143	50.14	2.459 5548	51.20	2.478 1859	52.31
31	.423 7435	49.14	.441 6152	50.16	.459 8621	51.22	.478 4998	52.33
32	.424 0384	49.15	.441 9162	50.18	.460 1695	51.24	.478 8138	52.35
33	.424 3334	49.17	.442 2173	50.19	.460 4770	51.26	.479 1280	52.37
34	.424 6284	49.19	.442 5185	50.21	.460 7846	51.28	.479 4422	52.39
35	2.424 9236	49.20	2.442 8199	50.23	2.461 0923	51.29	2.479 7566	52.40
36	.425 2189	49.22	.443 1213	50.24	.461 4001	51.31	.480 0711	52.42
37	.425 5142	49.24	.443 4228	50.26	.461 7080	51.33	.480 3857	52.44
38	.425 8097	49.25	.443 7244	50.28	.462 0161	51.35	.480 7004	52.46
39	.426 1053	49.27	.444 0261	50.30	.462 3242	51.37	.481 0152	52.48
40	2.426 4010	49.29	2.444 3280	50.31	2.462 6325	51.38	2.481 3301	52.50
41	.426 6967	49.30	.444 6299	50.33	.462 9408	51.40	.481 6452	52.52
42	.426 9926	49.32	.444 9320	50.35	.463 2493	51.42	.481 9604	52.54
43	.427 2886	49.34	.445 2341	50.37	.463 5579	51.44	.482 2756	52.56
44	.427 5847	49.35	.445 5364	50.38	.463 8666	51.46	.482 5910	52.58
45	2.427 8808	49.37	2.445 8387	50.40	2.464 1754	51.48	2.482 9065	52.59
46	.428 1771	49.39	.446 1412	50.42	.464 4843	51.49	.483 2222	52.61
47	.428 4735	49.40	.446 4437	50.44	.464 7933	51.51	.483 5379	52.63
48	.428 7700	49.42	.446 7464	50.45	.465 1024	51.53	.483 8537	52.65
49	.429 0665	49.44	.447 0492	50.47	.465 4116	51.55	.484 1697	52.67
50	2.429 3632	49.46	2.447 3521	50.49	2.465 7210	51.57	2.484 4858	52.69
51	.429 6600	49.47	.447 6551	50.51	.466 0305	51.59	.484 8020	52.71
52	.429 9569	49.49	.447 9582	50.53	.466 3400	51.60	.485 1183	52.73
53	.430 2539	49.51	.448 2614	50.54	.466 6497	51.62	.485 4347	52.75
54	.430 5510	49.52	.448 5647	50.56	.466 9595	51.64	.485 7513	52.77
55	2.430 8482	49.54	2.448 8681	50.58	2.467 2694	51.66	2.486 0679	52.78
56	.431 1455	49.56	.449 1716	50.60	.467 5794	51.68	.486 3847	52.80
57	.431 4428	49.57	.449 4753	50.61	.467 8895	51.70	.486 7016	52.82
58	.431 7403	49.59	.449 7790	50.63	.468 1997	51.71	.487 0186	52.84
59	.432 0379	49.61	.450 0828	50.65	.468 5101	51.73	.487 3357	52.86
60	2.432 3356	49.62	2.450 3868	50.67	2.468 8205	51.75	2.487 6529	52.88

Tafel VI.

Die Barker'sche Tafel.

v.	124°		125°		126°		127°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.487 6529	52.88	2.506 9066	54.06	2.526 5813	55.29	2.546 7135	56.57
1	.487 9702	52.90	.507 2251	54.08	.526 9131	55.31	.547 0530	56.59
2	.488 2877	52.92	.507 5496	54.10	.527 2450	55.33	.547 3926	56.61
3	.488 6053	52.94	.507 8742	54.12	.527 5771	55.35	.547 7323	56.63
4	.488 9230	52.96	.508 1990	54.14	.527 9092	55.37	.548 0722	56.65
5	2.489 2408	52.98	2.508 5239	54.16	2.528 2415	55.39	2.548 4122	56.68
6	.489 5587	53.00	.508 8489	54.18	.528 5739	55.41	.548 7523	56.70
7	.489 8767	53.02	.509 1741	54.20	.528 9065	55.43	.549 0926	56.72
8	.490 1949	53.03	.509 4993	54.22	.529 2391	55.45	.549 4330	56.74
9	.490 5132	53.05	.509 8247	54.24	.529 5719	55.48	.549 7735	56.76
10	2.490 8315	53.07	2.510 1502	54.26	2.529 9048	55.50	2.550 1141	56.79
11	.491 1500	53.09	.510 4758	54.28	.530 2379	55.52	.550 4549	56.81
12	.491 4686	53.11	.510 8016	54.30	.530 5710	55.54	.550 7958	56.83
13	.491 7874	53.13	.511 1274	54.32	.530 9043	55.56	.551 1369	56.85
14	.492 1063	53.15	.511 4534	54.34	.531 2378	55.58	.551 4781	56.87
15	2.492 4252	53.17	2.511 7795	54.36	2.531 5713	55.60	2.551 8194	56.90
16	.492 7443	53.19	.512 1057	54.38	.531 9050	55.62	.552 1608	56.92
17	.493 0635	53.21	.512 4321	54.40	.532 2388	55.64	.552 5024	56.94
18	.493 3828	53.23	.512 7586	54.42	.532 5727	55.67	.552 8441	56.96
19	.493 7023	53.25	.513 0852	54.44	.532 9068	55.69	.553 1859	56.98
20	2.494 0218	53.27	2.513 4119	54.46	2.533 2410	55.71	2.553 5279	57.01
21	.494 3415	53.29	.513 7387	54.48	.533 5753	55.73	.553 8700	57.03
22	.494 6613	53.31	.514 0657	54.50	.533 9097	55.75	.554 2122	57.05
23	.494 9812	53.33	.514 3927	54.52	.534 2443	55.77	.554 5546	57.07
24	.495 3012	53.35	.514 7199	54.54	.534 5790	55.79	.554 8971	57.10
25	2.495 6213	53.37	2.515 0473	54.56	2.534 9138	55.81	2.555 2398	57.12
26	.495 9416	53.39	.515 3747	54.58	.535 2487	55.84	.555 5825	57.14
27	.496 2619	53.41	.515 7023	54.60	.535 5838	55.86	.555 9254	57.16
28	.496 5824	53.42	.516 0300	54.63	.535 9190	55.88	.556 2685	57.18
29	.496 9030	53.44	.516 3578	54.65	.536 2543	55.90	.556 6116	57.21
30	2.497 2238	53.46	2.516 6857	54.67	2.536 5898	55.92	2.556 9549	57.23
31	.497 5446	53.48	.517 0138	54.69	.536 9254	55.94	.557 2984	57.25
32	.497 8656	53.50	.517 3420	54.71	.537 2611	55.96	.557 6420	57.27
33	.498 1867	53.52	.517 6703	54.73	.537 5970	55.98	.557 9857	57.29
34	.498 5079	53.54	.517 9987	54.75	.537 9329	56.01	.558 3295	57.32
35	2.498 8292	53.56	2.518 3273	54.77	2.538 2690	56.03	2.558 6735	57.34
36	.499 1506	53.58	.518 6559	54.79	.538 6052	56.05	.559 0176	57.36
37	.499 4721	53.60	.518 9847	54.81	.538 9416	56.07	.559 3618	57.38
38	.499 7938	53.62	.519 3137	54.83	.539 2781	56.09	.559 7062	57.41
39	.500 1156	53.64	.519 6427	54.85	.539 6147	56.11	.560 0507	57.43
40	2.500 4375	53.66	2.519 9719	54.87	2.539 9514	56.13	2.560 3953	57.45
41	.500 7595	53.68	.520 3012	54.89	.540 2883	56.15	.560 7401	57.47
42	.501 0817	53.70	.520 6306	54.91	.540 6253	56.18	.561 0850	57.50
43	.501 4039	53.72	.520 9601	54.93	.540 9625	56.20	.561 4301	57.52
44	.501 7263	53.74	.521 2898	54.95	.541 2997	56.22	.561 7753	57.54
45	2.502 0488	53.76	2.521 6196	54.97	2.541 6371	56.24	2.562 1206	57.56
46	.502 3714	53.78	.521 9495	54.99	.541 9746	56.26	.562 4660	57.59
47	.502 6942	53.80	.522 2795	55.02	.542 3123	56.29	.562 8116	57.61
48	.503 0170	53.82	.522 6097	55.04	.542 6500	56.31	.563 1574	57.63
49	.503 3400	53.84	.522 9400	55.06	.542 9880	56.33	.563 5032	57.65
50	2.503 6631	53.86	2.523 2704	55.08	2.543 3260	56.35	2.563 8492	57.68
51	.503 9863	53.88	.523 6009	55.10	.543 6641	56.37	.564 1953	57.70
52	.504 3096	53.90	.523 9316	55.12	.544 0024	56.39	.564 5416	57.72
53	.504 6331	53.92	.524 2624	55.14	.544 3409	56.42	.564 8880	57.74
54	.504 9567	53.94	.524 5933	55.16	.544 6794	56.44	.565 2345	57.77
55	2.505 2804	53.96	2.524 9243	55.18	2.545 0181	56.46	2.565 5812	57.79
56	.505 6042	53.98	.525 2555	55.20	.545 3569	56.48	.565 9280	57.81
57	.505 9282	54.00	.525 5867	55.22	.545 6959	56.50	.566 2750	57.84
58	.506 2522	54.02	.525 9181	55.24	.546 0350	56.52	.566 6221	57.86
59	.506 5763	54.04	.526 2497	55.26	.546 3742	56.55	.566 9693	57.88
60	2.506 9006	54.06	2.526 5813	55.29	2.546 7135	56.57	2.567 3166	57.90

Tafel VI.

Die Barker'sche Tafel.

$v.$	128^0		129^0		130^0		131^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.567 3166	57.90	2.588 4112	59.30	2.610 0188	60.75	2.632 1622	62.28
1	.567 6641	57.93	.588 7670	59.32	.610 3834	60.78	.632 5360	62.30
2	.568 0117	57.95	.589 1230	59.35	.610 7481	60.80	.632 9099	62.33
3	.568 3595	57.97	.589 4792	59.37	.611 1130	60.83	.633 2839	62.35
4	.568 7074	57.99	.589 8355	59.39	.611 4781	60.85	.633 6581	62.38
5	2.569 0554	58.02	2.590 1919	59.42	2.611 8433	60.88	2.634 0325	62.41
6	.569 4036	58.04	.590 5485	59.44	.612 2086	60.90	.634 4070	62.43
7	.569 7519	58.06	.590 9052	59.47	.612 5741	60.93	.634 7817	62.46
8	.570 1004	58.09	.591 2620	59.49	.612 9397	60.95	.635 1565	62.48
9	.570 4490	58.11	.591 6190	59.51	.613 3055	60.98	.635 5315	62.51
10	2.570 7977	58.13	2.591 9762	59.54	2.613 6715	61.00	2.635 9066	62.54
11	.571 1465	58.15	.592 3335	59.56	.614 0376	61.03	.636 2819	62.56
12	.571 4955	58.18	.592 6909	59.58	.614 4038	61.05	.636 6573	62.59
13	.571 8447	58.20	.593 0485	59.61	.614 7702	61.08	.637 0329	62.61
14	.572 1939	58.22	.593 4062	59.63	.615 1368	61.10	.637 4087	62.64
15	2.572 5434	58.25	2.593 7641	59.66	2.615 5035	61.13	2.637 7846	62.67
16	.572 8929	58.27	.594 1221	59.68	.615 8703	61.15	.638 1607	62.69
17	.573 2426	58.29	.594 4803	59.70	.616 2373	61.18	.638 5369	62.72
18	.573 5924	58.32	.594 8386	59.73	.616 6045	61.20	.638 9133	62.75
19	.573 9424	58.34	.595 1970	59.75	.616 9718	61.23	.639 2899	62.77
20	2.574 2925	58.36	2.595 5556	59.78	2.617 3392	61.25	2.639 6666	62.80
21	.574 6427	58.38	.595 9143	59.80	.617 7068	61.28	.640 0435	62.82
22	.574 9931	58.41	.596 2732	59.82	.618 0746	61.30	.640 4205	62.85
23	.575 3436	58.43	.596 6322	59.85	.618 4425	61.33	.640 7977	62.88
24	.575 6943	58.45	.596 9914	59.87	.618 8105	61.36	.641 1750	62.90
25	2.576 0451	58.48	2.597 3507	59.90	2.619 1787	61.38	2.641 5525	62.93
26	.576 3960	58.50	.597 7102	59.92	.619 5471	61.41	.641 9302	62.96
27	.576 7471	58.52	.598 0698	59.95	.619 9156	61.44	.642 3080	62.98
28	.577 0983	58.55	.598 4295	59.97	.620 2843	61.46	.642 6860	63.01
29	.577 4496	58.57	.598 7894	59.99	.620 6531	61.48	.643 0641	63.04
30	2.577 8011	58.59	2.599 1494	60.02	2.621 0220	61.51	2.643 4424	63.06
31	.578 1528	58.62	.599 5096	60.04	.621 3911	61.53	.643 8209	63.09
32	.578 5045	58.64	.599 8699	60.07	.621 7604	61.56	.644 1995	63.12
33	.578 8564	58.66	.600 2304	60.09	.622 1298	61.58	.644 5783	63.14
34	.579 2085	58.69	.600 5910	60.12	.622 4994	61.61	.644 9572	63.17
35	2.579 5607	58.71	2.600 9518	60.14	2.622 8691	61.63	2.645 3363	63.19
36	.579 9130	58.73	.601 3127	60.16	.623 2390	61.66	.645 7155	63.22
37	.580 2655	58.76	.601 6738	60.19	.623 6091	61.68	.646 0949	63.25
38	.580 6181	58.78	.602 0350	60.21	.623 9793	61.71	.646 4745	63.27
39	.580 9708	58.80	.602 3963	60.24	.624 3496	61.74	.646 8542	63.30
40	2.581 3237	58.83	2.602 7578	60.26	2.624 7201	61.76	2.647 2341	63.33
41	.581 6768	58.85	.603 1195	60.29	.625 0907	61.79	.647 6142	63.35
42	.582 0299	58.87	.603 4813	60.31	.625 4615	61.81	.647 9944	63.38
43	.582 3832	58.90	.603 8432	60.34	.625 8325	61.84	.648 3748	63.41
44	.582 8267	58.92	.604 2053	60.36	.626 2036	61.86	.648 7553	63.44
45	2.583 0903	58.94	2.604 5675	60.38	2.626 5748	61.89	2.649 1360	63.46
46	.583 4440	58.97	.604 9299	60.41	.626 9462	61.91	.649 5168	63.49
47	.583 7979	58.99	.605 2924	60.43	.627 3178	61.94	.649 8978	63.52
48	.584 1519	59.01	.605 6551	60.46	.627 6895	61.97	.650 2790	63.54
49	.584 5061	59.04	.606 0179	60.48	.628 0614	61.99	.650 6603	63.57
50	2.584 8604	59.06	2.606 3809	60.51	2.628 4334	62.02	2.651 0418	63.60
51	.585 2148	59.09	.606 7440	60.53	.628 8056	62.04	.651 4235	63.62
52	.585 5694	59.11	.607 1073	60.56	.629 1780	62.07	.651 8053	63.65
53	.585 9241	59.13	.607 4707	60.58	.629 5505	62.09	.652 1873	63.68
54	.586 2790	59.16	.607 8343	60.61	.629 9231	62.12	.652 5695	63.70
55	2.586 6340	59.18	2.608 1980	60.63	2.630 2959	62.15	2.652 9518	63.73
56	.586 9891	59.20	.608 5618	60.66	.630 6689	62.17	.653 3342	63.76
57	.587 3444	59.23	.608 9258	60.68	.631 0420	62.20	.653 7168	63.79
58	.587 6999	59.25	.609 2901	60.70	.631 4152	62.22	.654 0996	63.81
59	.588 0555	59.27	.609 6544	60.73	.631 7887	62.25	.654 4826	63.84
60	2.588 4112	59.30	2.610 0188	60.75	2.632 1622	62.28	2.654 8657	63.87

Tafel VI.

Die Barker'sche Tafel.

v.	132°		133°		134°		135°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.654 8657	63.87	2.678 1547	65.53	2.702 0562	67.27	2.726 5990	69.09
1	.655 2490	63.89	.678 5480	65.56	.702 4600	67.30	.727 0137	69.12
2	.655 6324	63.92	.678 9414	65.59	.702 8638	67.33	.727 4285	69.15
3	.656 0160	63.95	.679 3350	65.61	.703 2679	67.36	.727 8435	69.19
4	.656 3998	63.97	.679 7288	65.64	.703 6721	67.39	.728 2587	69.22
5	2.656 7837	64.00	2.680 1227	65.67	2.704 0766	67.42	2.728 6741	69.25
6	.657 1678	64.03	.680 5168	65.70	.704 4812	67.45	.729 0897	69.28
7	.657 5521	64.06	.680 9111	65.73	.704 8860	67.48	.729 5055	69.31
8	.657 9365	64.08	.681 3056	65.76	.705 2909	67.51	.729 9215	69.34
9	.658 3211	64.11	.681 7002	65.79	.705 6961	67.54	.730 3376	69.37
10	2.658 7058	64.14	2.682 0950	65.81	2.706 1014	67.57	2.730 7539	69.40
11	.659 0907	64.17	.682 4900	65.84	.706 5069	67.60	.731 1705	69.44
12	.659 4758	64.19	.682 8851	65.87	.706 9126	67.63	.731 5872	69.47
13	.659 8611	64.22	.683 2804	65.90	.707 3184	67.66	.732 0041	69.50
14	.660 2465	64.25	.683 6759	65.93	.707 7244	67.69	.732 4212	69.53
15	2.660 6320	64.28	2.684 0716	65.96	2.708 1307	67.72	2.732 8385	69.56
16	.661 0178	64.30	.684 4674	65.99	.708 5371	67.75	.733 2559	69.59
17	.661 4037	64.33	.684 8634	66.01	.708 9436	67.78	.733 6736	69.62
18	.661 7897	64.36	.685 2596	66.04	.709 3504	67.81	.734 0914	69.66
19	.662 1760	64.38	.685 6559	66.07	.709 7573	67.84	.734 5094	69.69
20	2.662 5623	64.41	2.686 0524	66.10	2.710 1645	67.87	2.734 9277	69.72
21	.662 9489	64.44	.686 4491	66.13	.710 5718	67.90	.735 3461	69.75
22	.663 3356	64.47	.686 8460	66.16	.710 9792	67.93	.735 7647	69.78
23	.663 7225	64.49	.687 2430	66.19	.711 3869	67.96	.736 1835	69.81
24	.664 1096	64.52	.687 6402	66.22	.711 7947	67.99	.736 6025	69.85
25	2.664 4968	64.55	2.688 0376	66.25	2.712 2028	68.02	2.737 0216	69.88
26	.664 8842	64.57	.688 4352	66.27	.712 6110	68.05	.737 4410	69.91
27	.665 2717	64.60	.688 8329	66.30	.713 0194	68.08	.737 8605	69.94
28	.665 6594	64.63	.689 2308	66.33	.713 4279	68.11	.738 2803	69.97
29	.666 0473	64.66	.689 6289	66.36	.713 8367	68.14	.738 7002	70.00
30	2.666 4354	64.69	2.690 0272	66.39	2.714 2456	68.17	2.739 1203	70.04
31	.666 8236	64.72	.690 4256	66.42	.714 6547	68.20	.739 5406	70.07
32	.667 2120	64.74	.690 8242	66.45	.715 0640	68.23	.739 9612	70.10
33	.667 6005	64.77	.691 2230	66.48	.715 4735	68.26	.740 3819	70.13
34	.667 9892	64.80	.691 6219	66.51	.715 8832	68.29	.740 8027	70.16
35	2.668 3781	64.83	2.692 0210	66.54	2.716 2930	68.32	2.741 2238	70.20
36	.668 7672	64.86	.692 4203	66.56	.716 7031	68.35	.741 6451	70.23
37	.669 1564	64.88	.692 8198	66.59	.717 1133	68.38	.742 0666	70.26
38	.669 5457	64.91	.693 2194	66.62	.717 5237	68.41	.742 4882	70.29
39	.669 9353	64.94	.693 6193	66.65	.717 9342	68.44	.742 9101	70.32
40	2.670 3250	64.97	2.694 0193	66.68	2.718 3450	68.48	2.743 3321	70.36
41	.670 7149	65.00	.694 4194	66.71	.718 7560	68.51	.743 7543	70.39
42	.671 1050	65.02	.694 8198	66.74	.719 1671	68.54	.744 1768	70.42
43	.671 4952	65.05	.695 2203	66.77	.719 5784	68.57	.744 5994	70.45
44	.671 8856	65.08	.695 6210	66.80	.719 9899	68.60	.745 0222	70.48
45	2.672 2761	65.11	2.696 0219	66.83	2.720 4016	68.63	2.745 4452	70.52
46	.672 6668	65.13	.696 4229	66.86	.720 8135	68.66	.745 8684	70.55
47	.673 0577	65.16	.696 8242	66.89	.721 2255	68.69	.746 2918	70.58
48	.673 4488	65.19	.697 2256	66.92	.721 6377	68.72	.746 7154	70.61
49	.673 8400	65.22	.697 6272	66.95	.722 0502	68.75	.747 1391	70.65
50	2.674 2314	65.25	2.698 0289	66.97	2.722 4628	68.78	2.747 5631	70.68
51	.674 6230	65.28	.698 4308	67.00	.722 8756	68.81	.747 9873	70.71
52	.675 0147	65.30	.698 8330	67.03	.723 2885	68.84	.748 4116	70.74
53	.675 4066	65.33	.699 2353	67.06	.723 7017	68.88	.748 8362	70.78
54	.675 7987	65.36	.699 6377	67.09	.724 1150	68.91	.749 2609	70.81
55	2.676 1909	65.39	2.700 0404	67.12	2.724 5286	68.94	2.749 6859	70.84
56	.676 5833	65.42	.700 4432	67.15	.724 9423	68.97	.750 1110	70.87
57	.676 9759	65.44	.700 8462	67.18	.725 3562	69.00	.750 5364	70.90
58	.677 3687	65.47	.701 2494	67.21	.725 7703	69.03	.750 9619	70.94
59	.677 7616	65.50	.701 6527	67.24	.726 1846	69.06	.751 3876	70.97
60	2.678 1547	65.53	2.702 0562	67.27	2.726 5990	69.09	2.751 8135	71.00

Tafel VI.

Die Barker'sche Tafel.

v.	136^0		137^0		138^0		139^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.751 8135	71.00	2.777 7322	73.01	2.804 3895	75.11	2.831 8224	77.32
1	.752 2396	71.03	.778 1703	73.04	.804 8403	75.14	.832 2864	77.35
2	.752 6659	71.07	.778 6087	73.07	.805 2912	75.18	.832 7506	77.39
3	.753 0925	71.10	.779 0472	73.11	.805 7424	75.21	.833 2151	77.43
4	.753 5192	71.13	.779 4859	73.14	.806 1938	75.25	.833 6798	77.47
5	2.753 9461	71.17	2.779 9249	73.18	2.806 6454	75.29	2.834 1447	77.50
6	.754 3732	71.20	.780 3641	73.21	.807 0973	75.32	.834 6098	77.54
7	.754 8004	71.23	.780 8034	73.24	.807 5493	75.36	.835 0752	77.58
8	.755 2279	71.26	.781 2430	73.28	.808 0016	75.40	.835 5408	77.62
9	.755 6556	71.30	.781 6828	73.31	.808 4541	75.43	.836 0066	77.66
10	2.756 0835	71.33	2.782 1228	73.35	2.808 9068	75.47	2.836 4727	77.69
11	.756 5116	71.36	.782 5630	73.38	.809 3597	75.50	.836 9390	77.73
12	.756 9399	71.40	.783 0034	73.42	.809 8128	75.54	.837 4055	77.77
13	.757 3683	71.43	.783 4440	73.45	.810 2662	75.58	.837 8722	77.81
14	.757 7970	71.46	.783 8848	73.49	.810 7197	75.61	.838 3392	77.85
15	2.758 2259	71.49	2.784 3258	73.53	2.811 1735	75.65	2.838 8064	77.89
16	.758 6549	71.53	.784 7671	73.56	.811 6275	75.69	.839 2738	77.92
17	.759 0842	71.56	.785 2085	73.59	.812 0817	75.72	.839 7414	77.96
18	.759 5137	71.59	.785 6502	73.63	.812 5362	75.76	.840 2093	78.00
19	.759 9433	71.63	.786 0920	73.66	.812 9908	75.79	.840 6774	78.04
20	2.760 3732	71.66	2.786 5341	73.70	2.813 4457	75.83	2.841 1458	78.08
21	.760 8032	71.69	.786 9764	73.73	.813 9008	75.87	.841 6144	78.11
22	.761 2335	71.73	.787 4189	73.76	.814 3561	75.90	.842 0832	78.15
23	.761 6639	71.76	.787 8615	73.80	.814 8117	75.94	.842 5522	78.19
24	.762 0946	71.79	.788 3044	73.83	.815 2674	75.98	.843 0215	78.23
25	2.762 5255	71.83	2.788 7476	73.87	2.815 7234	76.01	2.843 4909	78.27
26	.762 9565	71.86	.789 1909	73.90	.816 1796	76.05	.843 9607	78.31
27	.763 3878	71.89	.789 6344	73.94	.816 6360	76.09	.844 4306	78.35
28	.763 8192	71.93	.790 0781	73.97	.817 0927	76.12	.844 9008	78.38
29	.764 2509	71.96	.790 5221	74.01	.817 5495	76.16	.845 3712	78.42
30	2.764 6827	71.99	2.790 9662	74.04	2.818 0066	76.20	2.845 8419	78.46
31	.765 1148	72.03	.791 4106	74.08	.818 4639	76.23	.846 3128	78.50
32	.765 5470	72.06	.791 8552	74.11	.818 9214	76.27	.846 7839	78.54
33	.765 9795	72.09	.792 3000	74.15	.819 3792	76.31	.847 2553	78.58
34	.766 4121	72.13	.792 7450	74.18	.819 8371	76.34	.847 7268	78.62
35	2.766 8450	72.16	2.793 1902	74.22	2.820 2953	76.38	2.848 1986	78.66
36	.767 2781	72.19	.793 6356	74.25	.820 7537	76.42	.848 6707	78.69
37	.767 7113	72.23	.794 0813	74.29	.821 2123	76.46	.849 1430	78.73
38	.768 1448	72.26	.794 5271	74.32	.821 6712	76.49	.849 6155	78.77
39	.768 5784	72.29	.794 9731	74.36	.822 1302	76.53	.850 0882	78.81
40	2.769 0123	72.33	2.795 4194	74.40	2.822 5895	76.57	2.850 5612	78.85
41	.769 4464	72.36	.795 8659	74.43	.823 0491	76.60	.851 0344	78.89
42	.769 8806	72.39	.796 3126	74.47	.823 5088	76.64	.851 5079	78.93
43	.770 3151	72.43	.796 7595	74.50	.823 9688	76.68	.851 9816	78.97
44	.770 7498	72.46	.797 2066	74.54	.824 4289	76.72	.852 4555	79.01
45	2.771 1846	72.50	2.797 6539	74.58	2.824 8894	76.75	2.852 9297	79.05
46	.771 6197	72.53	.798 1015	74.61	.825 3500	76.79	.853 4041	79.08
47	.772 0550	72.56	.798 5492	74.64	.825 8108	76.83	.853 8787	79.12
48	.772 4905	72.60	.798 9972	74.68	.826 2719	76.87	.854 3535	79.16
49	.772 9262	72.63	.799 4454	74.71	.826 7332	76.90	.854 8286	79.20
50	2.773 3621	72.67	2.799 8938	74.75	2.827 1947	76.94	2.855 3040	79.24
51	.773 7982	72.70	.800 3424	74.79	.827 6565	76.98	.855 7795	79.28
52	.774 2344	72.73	.800 7912	74 82	.828 1185	77.01	.856 2553	79.32
53	.774 6709	72.77	.801 2402	74.86	.828 5807	77.05	.856 7314	79.36
54	.775 1077	72.80	.801 6895	74.89	.829 0431	77.09	.857 2077	79.40
55	2.775 5446	72.84	2.802 1390	74.93	2.829 5058	77.13	2.857 6842	79.44
56	.775 9817	72.87	.802 5886	74.96	.829 9686	77.16	.858 1609	79.48
57	.776 4190	72.90	.803 0385	75.00	.830 4317	77.20	.858 6379	79.52
58	.776 8565	72.94	.803 4886	75.04	.830 8951	77.24	.859 1151	79.56
59	.777 2942	72.97	.803 9390	75.08	.831 3586	77.28	.859 5926	79.60
60	2.777 7322	73.01	2.804 3895	75.11	2.831 8224	77.32	2.860 0703	79.64

Tafel VI.

Die Barker'sche Tafel.

v.	140°		141°		142°		143°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.860 0703	79.64	2.889 1754	82.08	2.919 1831	84.65	2.950 1420	87.37
1	.860 5482	79.68	.889 6680	82.12	.919 6911	84.70	.950 6664	87.41
2	.861 0264	79.72	.890 1609	82.16	.920 1994	84.74	.951 1910	87.46
3	.861 5048	79.76	.890 6540	82.20	.920 7080	84.78	.951 7159	87.50
4	.861 9835	79.80	.891 1473	82.25	.921 2169	84.83	.952 2411	87.55
5	2.862 4624	79.84	2.891 6409	82.29	2.921 7260	84.87	2.952 7665	87.60
6	.862 9415	79.88	.892 1348	82.33	.922 2353	84.92	.953 2923	87.65
7	.863 4209	79.92	.892 6289	82.37	.922 7450	84.96	.953 8183	87.69
8	.863 9005	79.96	.893 1233	82.41	.923 2549	85.01	.954 3446	87.74
9	.864 3803	80.00	.893 6179	82.46	.923 7650	85.05	.954 8711	87.79
10	2.864 8604	80.04	2.894 1127	82.50	2.924 2755	85.10	2.955 3980	87.83
11	.865 3408	80.08	.894 6078	82.54	.924 7862	85.14	.955 9251	87.88
12	.865 8213	80.12	.895 1032	82.58	.925 2972	85.18	.956 4525	87.93
13	.866 3021	80.16	.895 5989	82.63	.925 8084	85.23	.956 9802	87.97
14	.866 7832	80.20	.896 0948	82.67	.926 3199	85.27	.957 5082	88.02
15	2.867 2645	80.24	2.896 5909	82.71	2.926 8317	85.32	2.958 0365	88.07
16	.867 7460	80.28	.897 0873	82.75	.927 3437	85.36	.958 5651	88.11
17	.868 2278	80.32	.897 5839	82.79	.927 8560	85.41	.959 0939	88.16
18	.868 7098	80.36	.898 0808	82.84	.928 3686	85.45	.959 6230	88.21
19	.869 1921	80.40	.898 5780	82.88	.928 8814	85.50	.960 1524	88.26
20	2.869 6746	80.44	2.899 0754	82.92	2.929 3945	85.54	2.960 6821	88.30
21	.870 1573	80.48	.899 5730	82.96	.929 9079	85.59	.961 2120	88.35
22	.870 6403	80.52	.900 0709	83.01	.930 4216	85.63	.961 7423	88.40
23	.871 1235	80.56	.900 5691	83.05	.930 9355	85.68	.962 2728	88.45
24	.871 6070	80.60	.901 0675	83.09	.931 4497	85.72	.962 7036	88.49
25	2.872 0907	80.64	2.901 5662	83.13	2.931 9641	85.77	2.963 3347	88.54
26	.872 5747	80.68	.902 0651	83.18	.932 4788	85.81	.963 8661	88.59
27	.873 0589	80.72	.902 5643	83.22	.932 9938	85.86	.964 3978	88.64
28	.873 5433	80.76	.903 0638	83.26	.933 5091	85.91	.964 9297	88.68
29	.874 0280	80.80	.903 5635	83.31	.934 0247	85.95	.965 4620	88.73
30	2.874 5129	80.84	2.904 0635	83.35	2.934 5405	85.99	2.965 9945	88.78
31	.874 9981	80.88	.904 5637	83.39	.935 0565	86.04	.966 5273	88.83
32	.875 4835	80.92	.905 0642	83.43	.935 5729	86.08	.967 0604	88.87
33	.875 9692	80.96	.905 5649	83.48	.936 0895	86.13	.967 5938	88.92
34	.876 4551	81.01	.906 0659	83.52	.936 6064	86.17	.968 1275	88.97
35	2.876 9413	81.05	2.906 5672	83.56	2.937 1236	86.22	2.968 6615	89.02
36	.877 4277	81.09	.907 0687	83.61	.937 6410	86.26	.969 1957	89.07
37	.877 9143	81.13	.907 5704	83.65	.938 1587	86.31	.969 7303	89.12
38	.878 4012	81.17	.908 0725	83.69	.938 6767	86.35	.970 2651	89.17
39	.878 8883	81.21	.908 5748	83.74	.939 1950	86.40	.970 8002	89.21
40	2.879 3757	81.25	2.909 0773	83.78	2.939 7135	86.45	2.971 3356	89.26
41	.879 8633	81.29	.909 5801	83.82	.940 2323	86.49	.971 8713	89.31
42	.880 3512	81.33	.910 0832	83.87	.940 7514	86.54	.972 4073	89.36
43	.880 8393	81.37	.910 5865	83.91	.941 2708	86.58	.972 9436	89.40
44	.881 3277	81.42	.911 0901	83.95	.941 7904	86.63	.973 4801	89.45
45	2.881 8163	81.46	2.911 5940	83.99	2.942 3103	86.67	2.974 0170	89.50
46	.882 3052	81.50	.912 0981	84.04	.942 8305	86.72	.974 5541	89.55
47	.882 7943	81.54	.912 6024	84.08	.943 3510	86.77	.975 0916	89.60
48	.883 2837	81.58	.913 1070	84.13	.943 8717	86.81	.975 6293	89.65
49	.883 7733	81.62	.913 6119	84.17	.944 3927	86.86	.976 1673	89.69
50	2.884 2631	81.66	2.914 1171	84.22	2.944 9140	86.90	2.976 7056	89.74
51	.884 7532	81.70	.914 6225	84.26	.945 4355	86.95	.977 2442	89.79
52	.885 2436	81.75	.915 1282	84.30	.945 9574	87.00	.977 7831	89.84
53	.885 7342	81.79	.915 6341	84.34	.946 4795	87.04	.978 3223	89.89
54	.886 2251	81.83	.916 1403	84.39	.947 0019	87.09	.978 8618	89.94
55	2.886 7162	81.87	2.916 6468	84.43	2.947 5245	87.13	2.979 4015	89.99
56	.887 2075	81.91	.917 1535	84.48	.948 0475	87.18	.979 9416	90.03
57	.887 6991	81.95	.917 6605	84.52	.948 5707	87.23	.980 4820	90.08
58	.888 1910	81.99	.918 1678	84.56	.949 0942	87.27	.981 1226	90.13
59	.888 6831	82.04	.918 6753	84.61	.949 6180	87.32	.981 6636	90.18
60	2.889 1754	82.08	2.919 1831	84.65	2.950 1420	87.37	2.982 1048	90.23

Tafel VI.

Die Barker'sche Tafel.

v.	144°		145°		146°		147°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	2.982 1048	90.23	3.015 1281	93.26	3.049 2733	96.47	3.084 6070	99.87
1	.982 6463	90.28	.015 6878	93.31	.049 8522	96.52	.085 2064	99.92
2	.983 1882	90.33	.016 2478	93.36	.050 4315	96.58	.085 8061	99.98
3	.983 7303	90.38	.016 8082	93.42	.051 0112	96.63	.086 4062	100.04
4	.984 2727	90.43	.017 3688	93.47	.051 5911	96.69	.087 0066	100.10
5	2.984 8154	90.48	3.017 9298	93.52	3.052 1714	96.74	3.087 6073	100.16
6	.985 3584	90.53	.018 4911	93.57	.052 7520	96.80	.088 2085	100.22
7	.985 9017	90.58	.019 0526	93.62	.053 3329	96.85	.088 8099	100.28
8	.986 4453	90.63	.019 6145	93.68	.053 9142	96.91	.089 4118	100.33
9	.986 9892	90.67	.020 1768	93.73	.054 4959	96.96	.090 0140	100.39
10	2.987 5334	90.72	3.020 7393	93.78	3.055 0778	97.01	3.090 6165	100.45
11	.988 0779	90.77	.021 3021	93.83	.055 6601	97.07	.091 2194	100.51
12	.988 6227	90.82	.021 8653	93.89	.056 2427	97.13	.091 8226	100.57
13	.989 1678	90.87	.022 4288	93.94	.056 8256	97.19	.092 4262	100.63
14	.989 7132	90.92	.022 9926	93.99	.057 4089	97.24	.093 0302	100.69
15	2.990 2589	90.97	3.023 5567	94.04	3.057 9925	97.30	3.093 6345	100.75
16	.990 8049	91.02	.024 1211	94.10	.058 5765	97.35	.094 2392	100.81
17	.991 3512	91.07	.024 6859	94.15	.059 1608	97.41	.094 8442	100.87
18	.991 8977	91.12	.025 2509	94.20	.059 7454	97.47	.095 4496	100.93
19	.992 4446	91.17	.025 8163	94.26	.060 3304	97.52	.096 0553	100.98
20	2.992 9918	91.22	3.026 3820	94.31	3.060 9157	97.58	3.096 6614	101.04
21	.993 5393	91.27	.026 9480	94.36	.061 5013	97.63	.097 2678	101.10
22	.994 0871	91.32	.027 5143	94.41	.062 0873	97.69	.097 8746	101.16
23	.994 6351	91.37	.028 0810	94.47	.062 6736	97.75	.098 4818	101.22
24	.995 1835	91.42	.028 6479	94.52	.063 2602	97.80	.099 0893	101.28
25	2.995 7322	91.47	3.029 2152	94.57	3.063 8472	97.86	3.099 6972	101.34
26	.996 2812	91.52	.029 7828	94.63	.064 4345	97.91	.100 3054	101.40
27	.996 8305	91.57	.030 3507	94.68	.065 0222	97.97	.100 9140	101.46
28	.997 3801	91.62	.030 9190	94.73	.065 6101	98.03	.101 5230	101.52
29	.997 9300	91.67	.031 4875	94.79	.066 1985	98.08	.102 1323	101.58
30	2.998 4802	91.72	3.032 0564	94.84	3.066 7872	98.14	3.102 7420	101.64
31	.999 0307	91.77	.032 6256	94.89	.067 3762	98.20	.103 3520	101.70
32	.999 5815	91.82	.033 1951	94.94	.067 9655	98.25	.103 9624	101.76
33	3.000 1326	91.87	.033 7650	95.00	.068 5552	98.31	.104 5732	101.82
34	.000 6840	91.93	.034 3351	95.05	.069 1453	98.37	.105 1843	101.88
35	3.001 2357	91.98	3.034 9056	95.11	3.069 7357	98.42	3.105 7958	101.94
36	.001 7877	92.03	.035 4764	95.16	.070 3264	98.48	.106 4076	102.00
37	.002 3400	92.08	.036 0475	95.22	.070 9174	98.54	.107 0198	102.07
38	.002 8926	92.13	.036 6190	95.27	.071 5088	98.60	.107 6324	102.13
39	.003 4456	92.18	.037 1908	95.32	.072 1006	98.65	.108 2454	102.19
40	3.003 9988	92.23	3.037 7629	95.38	3.072 6927	98.71	3.108 8587	102.25
41	.004 5523	92.28	.038 3353	95.43	.073 2851	98.77	.109 4723	102.31
42	.005 1062	92.33	.038 9080	95.48	.073 8779	98.82	.110 0864	102.37
43	.005 6603	92.38	.039 4811	95.54	.074 4710	98.88	.110 7008	102.43
44	.006 2148	92.44	.040 0545	95.60	.075 0645	98.94	.111 3155	102.49
45	3.006 7696	92.49	3.040 6282	95.65	3.075 6583	99.00	3.111 9306	102.55
46	.007 3246	92.54	.041 2023	95.70	.076 2524	99.05	.112 5461	102.61
47	.007 8800	92.59	.041 7767	95.76	.076 8469	99.11	.113 1620	102.67
48	.008 4357	92.64	.042 3514	95.81	.077 4418	99.17	.113 7782	102.73
49	.008 9917	92.69	.042 9264	95.86	.078 0370	99.23	.114 3948	102.80
50	3.009 5480	92.74	3.043 5017	95.92	3.078 6325	99.28	3.115 0118	102.86
51	.010 1046	92.79	.044 0774	95.97	.079 2284	99.34	.115 6291	102.92
52	.010 6615	92.85	.044 6534	96.03	.079 8246	99.40	.116 2468	102.98
53	.011 2188	92.90	.045 2297	96.08	.080 4212	99.46	.116 8649	103.04
54	.011 7763	92.95	.045 8064	96.14	.081 0181	99.52	.117 4833	103.10
55	3.012 3342	93.00	3.046 3834	96.19	3.081 6154	99.57	3.118 1022	103.16
56	.012 8923	93.05	.046 9607	96.25	.082 2130	99.63	.118 7213	103.23
57	.013 4508	93.10	.047 5383	96.30	.082 8110	99.69	.119 3409	103.29
58	.014 0096	93.16	.048 1163	96.36	.083 4093	99.75	.119 9608	103.35
59	.014 5687	93.21	.048 6946	96.41	.084 0080	99.81	.120 5811	103.41
60	3.015 1281	93.26	3.049 2733	96.47	3.084 6070	99.87	3.121 2018	103.48

Tafel VI.

Die Barker'sche Tafel.

$v.$	148^0		149^0		150^0		151^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	3.121 2018	103.48	3.159 1367	107.31	3.198 4984	111.41	3.239 3820	115.77
1	.121 8228	103.54	.159 7808	107.38	.199 1671	111.48	.240 0768	115.85
2	.122 4442	103.60	.160 4253	107.45	.199 8361	111.55	.240 7722	115.92
3	.123 0660	103.66	.161 0702	107.51	.200 5056	111.62	.241 4680	116.00
4	.123 6882	103.72	.161 7154	107.58	.201 1755	111.69	.242 1642	116.08
5	3.124 3107	103.79	3.162 3611	107.65	3.201 8459	111.76	3.242 8608	116.15
6	.124 9336	103.85	.163 0072	107.71	.202 5166	111.83	.243 5580	116.23
7	.125 5569	103.91	.163 6536	107.78	.203 1878	111.90	.244 2556	116.30
8	.126 1805	103.97	.164 3005	107.85	.203 8594	111.97	.244 9536	116.38
9	.126 8045	104.04	.164 9478	107.91	.204 5315	112.04	.245 6521	116.45
10	3.127 4289	104.10	3.165 5955	107.98	3.205 2040	112.11	3.246 3511	116.53
11	.128 0537	104.16	.166 2435	108.04	.205 8769	112.18	.247 0505	116.61
12	.128 6789	104.22	.166 8920	108.11	.206 5502	112.26	.247 7503	116.68
13	.129 3044	104.29	.167 5409	108.18	.207 2239	112.33	.248 4507	116.76
14	.129 9303	104.35	.168 1901	108.25	.207 8981	112.40	.249 1515	116.84
15	3.130 5566	104.41	3.168 8398	108.31	3.208 5727	112.47	3.249 8527	116.91
16	.131 1833	104.48	.169 4899	108.38	.209 2478	112.54	.250 5544	116.99
17	.131 8103	104.54	.170 1404	108.45	.209 9232	112.61	.251 2566	117.07
18	.132 4377	104.60	.170 7913	108.51	.210 5991	112.69	.251 9592	117.14
19	.133 0655	104.67	.171 4426	108.58	.211 2755	112.76	.252 6623	117.22
20	3.133 6937	104.73	3.172 0942	108.65	3.211 9522	112.83	3.253 3658	117.30
21	.134 3223	104.79	.172 7463	108.72	.212 6294	112.90	.254 0698	117.37
22	.134 9512	104.86	.173 3988	108.78	.213 3070	112.97	.254 7743	117.45
23	.135 5805	104.92	.174 0517	108.85	.213 9851	113.05	.255 4792	117.53
24	.136 2102	104.98	.174 7051	108.92	.214 6636	113.12	.256 1846	117.60
25	3.136 8403	105.05	3.175 3588	108.99	3.215 3425	113.19	3.256 8905	117.68
26	.137 4708	105.11	.176 0129	109.06	.216 0219	113.26	.257 5968	117.76
27	.138 1016	105.17	.176 6674	109.12	.216 7017	113.34	.258 3036	117.84
28	.138 7329	105.24	.177 3224	109.19	.217 3819	113.41	.259 0109	117.91
29	.139 3645	105.30	.177 9777	109.26	.218 0626	113.48	.259 7186	117.99
30	3.139 9965	105.36	3.178 6335	109.33	3.218 7437	113.55	3.260 4268	118.07
31	.140 6289	105.43	.179 2897	109.40	.219 4252	113.63	.261 1354	118.15
32	.141 2616	105.49	.179 9462	109.46	.220 1072	113.70	.261 8446	118.23
33	.141 8948	105.55	.180 6032	109.53	.220 7896	113.77	.262 5542	118.30
34	.142 5283	105.62	.181 2606	109.60	.221 4724	113.84	.263 2642	118.38
35	3.143 1622	105.68	3.181 9184	109.67	3.222 1557	113.92	3.263 9747	118.46
36	.143 7965	105.75	.182 5766	109.74	.222 8395	113.99	.264 6857	118.54
37	.144 4312	105.81	.183 2353	109.81	.223 5236	114.06	.265 3972	118.62
38	.145 0663	105.87	.183 8943	109.87	.224 2082	114.14	.266 1091	118.70
39	.145 7018	105.94	.184 5538	109.94	.224 8933	114.21	.266 8216	118.77
40	3.146 3376	106.00	3.185 2136	110.01	3.225 5788	114.28	3.267 5345	118.85
41	.146 9739	106.07	.185 8739	110.08	.226 2647	114.36	.268 2478	118.93
42	.147 6105	106.14	.186 5346	110.15	.226 9511	114.43	.268 9616	119.01
43	.148 2475	106.20	.187 1957	110.22	.227 6379	114.51	.269 6759	119.09
44	.148 8849	106.27	.187 8572	110.29	.228 3252	114.58	.270 3907	119.17
45	3.149 5227	106.33	3.188 5192	110.36	3.229 0129	114.65	3.271 1060	119.25
46	.150 1609	106.40	.189 1815	110.43	.229 7010	114.73	.271 8217	119.33
47	.150 7995	106.46	.189 8443	110.50	.230 3896	114.80	.272 5379	119.41
48	.151 4385	106.53	.190 5075	110.57	.231 0786	114.88	.273 2546	119.49
49	.152 0778	106.59	.191 1711	110.64	.231 7681	114.95	.273 9717	119.57
50	3.152 7176	106.66	3.191 8351	110.71	3.232 4581	115.03	3.274 6894	119.65
51	.153 3577	106.72	.192 4996	110.77	.233 1484	115.10	.275 4075	119.73
52	.153 9983	106.79	.193 1644	110.84	.233 8392	115.17	.276 1261	119.81
53	.154 6392	106.85	.193 8297	110.91	.234 5305	115.25	.276 8452	119.89
54	.155 2805	106.92	.194 4954	110.98	.235 2222	115.32	.277 5647	119.97
55	3.155 9222	106.99	3.195 1615	111.05	3.235 9144	115.40	3.278 2848	120.05
56	.156 5643	107.05	.195 8281	111.12	.236 6070	115.47	.279 0053	120.13
57	.157 2068	107.12	.196 4950	111.19	.237 3001	115.55	.279 7263	120.21
58	.157 8497	107.18	.197 1624	111.26	.237 9936	115.62	.280 4477	120.29
59	.158 4930	107.25	.197 8302	111.34	.238 6876	115.70	.281 1697	120.37
60	3.159 1367	107.31	3.198 4984	111.41	3.239 3820	115.77	3.281 8921	120.45

Tafel VI.

Die Barker'sche Tafel.

v.	152°		153°		154°		155°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	3.281 8921	120.45	3.326 1448	125.46	3.372 2684	130.85	3.420 4064	136.66
1	.282 6151	120.53	.326 8978	125.55	.373 0538	130.94	.421 2266	136.76
2	.283 3385	120.61	.327 6513	125.63	.373 8397	131.04	.422 0475	136.86
3	.284 0624	120.69	.328 4054	125.72	.374 6262	131.13	.422 8690	136.96
4	.284 7868	120.77	.329 1600	125.81	.375 4133	131.22	.423 6910	137.06
5	3.285 5116	120.85	3.329 9151	125.89	3.376 2009	131.32	3.424 5137	137.16
6	.286 2370	120.93	.330 6707	125.98	.376 9890	131.41	.425 3370	137.26
7	.286 9628	121.01	.331 4268	126.07	.377 7778	131.50	.426 1609	137.37
8	.287 6891	121.10	.332 1835	126.16	.378 5671	131.60	.426 9854	137.47
9	.288 4160	121.18	.332 9407	126.24	.379 3570	131.69	.427 8105	137.57
10	3.289 1433	121.26	3.333 6984	126.33	3.380 1474	131.79	3.428 6362	137.67
11	.289 8711	121.34	.334 4567	126.42	.380 9384	131.88	.429 4626	137.77
12	.290 5993	121.42	.335 2154	126.51	.381 7300	131.98	.430 2895	137.88
13	.291 3281	121.50	.335 9747	126.59	.382 5221	132.07	.431 1171	137.98
14	.292 0574	121.59	.336 7346	126.68	.383 3148	132.16	.431 9452	138.08
15	3.292 7872	121.67	3.337 4949	126.77	3.384 1081	132.26	3.432 7740	138.18
16	.293 5174	121.75	.338 2558	126.86	.384 9019	132.35	.433 6034	138.29
17	.294 2481	121.83	.339 0172	126.95	.385 6963	132.45	.434 4334	138.39
18	.294 9794	121.91	.339 7792	127.03	.386 4913	132.54	.435 2641	138.49
19	.295 7111	122.00	.340 5417	127.12	.387 2869	132.64	.436 0953	138.59
20	3.296 4433	122.08	3.341 3047	127.21	3.388 0830	132.73	3.436 9272	138.70
21	.297 1761	122.16	.342 0682	127.30	.388 8797	132.83	.437 7597	138.80
22	.297 9093	122.24	.342 8323	127.39	.389 6770	132.93	.438 5928	138.90
23	.298 6430	122.33	.343 5969	127.48	.390 4749	133.02	.439 4266	139.01
24	.299 3772	122.41	.344 3620	127.57	.391 2733	133.12	.440 2609	139.11
25	3.300 1119	122.49	3.345 1277	127.66	3.392 0723	133.22	3.441 0959	139.22
26	.300 8471	122.58	.345 8939	127.75	.392 8719	133.31	.441 9315	139.32
27	.301 5828	122.66	.346 6606	127.84	.393 6720	133.41	.442 7677	139.42
28	.302 3190	122.74	.347 4279	127.93	.394 4728	133.50	.443 6046	139.53
29	.303 0557	122.83	.348 1958	128.02	.395 2741	133.60	.444 4421	139.63
30	3.303 7929	122.91	3.348 9641	128.11	3.396 0760	133.70	3.445 2802	139.74
31	.304 5306	122.99	.349 7330	128.19	.396 8785	133.79	.446 1189	139.84
32	.305 2688	123.08	.350 5024	128.28	.397 6815	133.89	.446 9583	139.95
33	.306 0075	123.16	.351 2724	128.37	.398 4852	133.99	.447 7983	140.05
34	.306 7468	123.24	.352 0429	128.46	.399 2894	134.09	.448 6389	140.16
35	3.307 4865	123.33	3.352 8140	128.55	3.400 0942	134.19	3.449 4802	140.26
36	.308 2267	123.41	.353 5856	128.65	.400 8996	134.28	.450 3221	140.37
37	.308 9674	123.50	.354 3577	128.74	.401 7056	134.38	.451 1646	140.47
38	.309 7086	123.58	.355 1304	128.83	.402 5122	134.48	.452 0077	140.57
39	.310 4504	123.66	.355 9037	128.92	.403 3193	134.57	.452 8515	140.68
40	3.311 1926	123.75	3.356 6774	129.01	3.404 1270	134.67	3.453 6959	140.79
41	.311 9354	123.83	.357 4517	129.10	.404 9354	134.77	.454 5410	140.90
42	.312 6786	123.92	.358 2266	129.19	.405 7443	134.87	.455 3867	141.00
43	.313 4224	124.00	.359 0020	129.28	.406 5538	134.97	.456 2330	141.11
44	.314 1667	124.09	.359 7780	129.37	.407 3639	135.07	.457 0800	141.21
45	3.314 9115	124.17	3.360 5545	129.46	3.408 1746	135.16	3.457 9276	141.32
46	.315 6567	124.26	.361 3316	129.56	.408 9859	135.26	.458 7759	141.43
47	.316 4025	124.34	.362 1092	129.65	.409 7977	135.36	.459 6248	141.54
48	.317 1489	124.43	.362 8873	129.74	.410 6102	135.46	.460 4743	141.64
49	.317 8957	124.51	.363 6660	129.83	.411 4233	135.56	.461 3245	141.75
50	3.318 6430	124.60	3.364 4453	129.92	3.412 2369	135.66	3.462 1753	141.86
51	.319 3909	124.68	.365 2251	130.01	.413 0512	135.76	.463 0268	141.97
52	.320 1392	124.77	.366 0055	130.11	.413 8660	135.86	.463 8789	142.07
53	.320 8881	124.86	.366 7864	130.20	.414 6815	135.96	.464 7317	142.18
54	.321 6375	124.94	.367 5679	130.29	.415 4975	136.06	.465 5851	142.29
55	3.322 3874	125.03	3.368 3499	130.38	3.416 3142	136.16	3.466 4392	142.40
56	.323 1379	125.11	.369 1325	130.48	.417 1314	136.26	.467 2939	142.51
57	.323 8888	125.20	.369 9156	130.57	.417 9492	136.36	.468 1492	142.61
58	.324 6403	125.29	.370 6993	130.66	.418 7677	136.46	.469 0052	142.72
59	.325 3923	125.37	.371 4836	130.76	.419 5867	136.56	.469 8619	142.83
60	3.326 1448	125.46	3.372 2684	130.85	3.420 4064	136.66	3.470 7192	142.94

Tafel VI.

Die Barker'sche Tafel.

$v.$	156^0		157^0		158^0		159^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	3.470 7192	142.94	3.523 3875	149.75	3.578 6154	157.17	3.636 6351	165.28
1	.471 5772	143.05	.524 2864	149.87	.579 5588	157.30	.637 6272	165.42
2	.472 4358	143.16	.525 1860	149.99	.580 5030	157.43	.638 6202	165.56
3	.473 2951	143.27	.526 0863	150.11	.581 4480	157.56	.639 6140	165.71
4	.474 1550	143.38	.526 9873	150.23	.582 3937	157.69	.640 6087	165.85
5	3.475 0156	143.49	3.527 8890	150.35	3.583 3403	157.82	3.641 6042	165.99
6	.475 8769	143.60	.528 7915	150.47	.584 2876	157.95	.642 6006	166.13
7	.476 7388	143.71	.529 6947	150.59	.585 2357	158.08	.643 5978	166.28
8	.477 6014	143.82	.530 5985	150.71	.586 1846	158.21	.644 5959	166.42
9	.478 4646	143.93	.531 5031	150.83	.587 1342	158.34	.645 5948	166.56
10	3.479 3285	144.04	3.532 4085	150.95	3.588 0847	158.47	3.646 5946	166.71
11	.480 1931	144.15	.533 3145	151.07	.589 0359	158.61	.647 5953	166.85
12	.481 0583	144.26	.534 2213	151.19	.589 9880	158.74	.648 5968	166.99
13	.481 9242	144.37	.535 1288	151.31	.590 9408	158.87	.649 5992	167.14
14	.482 7907	144.48	.536 0370	151.43	.591 8944	159.00	.650 6025	167.28
15	3.483 6579	144.59	3.536 9459	151.55	3.592 8488	159.13	3.651 6066	167.42
16	.484 5258	144.70	.537 8556	151.67	.593 8040	159.26	.652 6116	167.57
17	.485 3944	144.81	.538 7660	151.79	.594 7600	159.40	.653 6175	167.72
18	.486 2636	144.93	.539 6771	151.91	.595 7167	159.53	.654 6242	167.86
19	.487 1335	145.04	.540 5890	152.04	.596 6743	159.66	.655 6318	168.01
20	3.488 0040	145.15	3.541 5015	152.16	3.597 6327	159.79	3.656 6403	168.15
21	.488 8752	145.26	.542 4148	152.28	.598 5919	159.93	.657 6497	168.30
22	.489 7472	145.37	.543 3289	152.40	.599 5518	160.06	.658 6599	168.45
23	.490 6198	145.49	.544 2436	152.52	.600 5126	160.19	.659 6710	168.59
24	.491 4930	145.60	.545 1591	152.65	.601 4742	160.33	.660 6830	168.74
25	3.492 3670	145.71	3.546 0754	152.77	3.602 4365	160.46	3.661 6959	168.89
26	.493 2416	145.82	.546 9924	152.89	.603 3997	160.60	.662 7096	169.03
27	.494 1168	145.94	.547 9101	153.01	.604 3637	160.73	.663 7243	169.18
28	.494 9928	146.05	.548 8285	153.14	.605 3285	160.87	.664 7398	169.33
29	.495 8695	146.16	.549 7477	153.26	.606 2941	161.00	.665 7562	169.48
30	3.496 7468	146.28	3.550 6677	153.38	3.607 2605	161.14	3.666 7735	169.62
31	.497 6248	146.39	.551 5883	153.51	.608 2277	161.27	.667 7917	169.77
32	.498 5035	146.50	.552 5097	153.63	.609 1957	161.41	.668 8108	169.92
33	.499 3828	146.62	.553 4319	153.75	.610 1646	161.54	.669 8308	170.07
34	.500 2629	146.73	.554 3548	153.88	.611 1342	161.68	.670 8516	170.22
35	3.501 1436	146.85	3.555 2785	154.00	3.612 1047	161.81	3.671 8734	170.37
36	.502 0250	146.96	.556 2029	154.13	.613 0760	161.95	.672 8961	170.52
37	.502 9071	147.08	.557 1280	154.25	.614 0481	162.09	.673 9196	170.67
38	.503 7899	147.19	.558 0539	154.38	.615 0210	162.22	.674 9441	170.82
39	.504 6734	147.31	.558 9806	154.50	.615 9948	162.36	.675 9694	170.97
40	3.505 5576	147.42	3.559 9080	154.63	3.616 9693	162.50	3.676 9957	171.12
41	.506 4425	147.54	.560 8361	154.75	.617 9447	162.63	.678 0228	171.27
42	.507 3280	147.65	.561 7650	154.88	.618 9209	162.77	.679 0509	171.42
43	.508 2143	147.77	.562 6947	155.01	.619 8980	162.91	.680 0799	171.57
44	.509 1012	147.88	.563 6251	155.13	.620 8758	163.05	.681 1098	171.72
45	3.509 9889	148.00	3.564 5562	155.26	3.621 8545	163.18	3.682 1406	171.87
46	.510 8772	148.11	.565 4882	155.38	.622 8340	163.32	.683 1723	172.03
47	.511 7662	148.23	.566 4209	155.51	.623 8144	163.46	.684 2049	172.18
48	.512 6560	148.34	.567 3543	155.64	.624 7956	163.60	.685 2384	172.33
49	.513 5464	148.46	.568 2885	155.76	.625 7776	163.74	.686 2728	172.48
50	3.514 4375	148.58	3.569 2235	155.89	3.626 7604	163.88	3.687 3082	172.64
51	.515 3294	148.70	.570 1592	156.02	.627 7441	164.02	.688 3445	172.79
52	.516 2219	148.81	.571 0957	156.15	.628 7287	164.16	.689 3817	172.94
53	.517 1151	148.93	.572 0330	156.27	.629 7140	164.30	.690 4198	173.10
54	.518 0090	149.05	.572 9710	156.40	.630 7002	164.44	.691 4588	173.25
55	3.518 9037	149.17	3.573 9098	156.53	3.631 6873	164.58	3.692 4988	173.40
56	.519 7990	149.28	.574 8494	156.66	.632 6751	164.72	.693 5397	173.56
57	.520 6951	149.40	.575 7897	156.79	.633 6638	164.86	.694 5815	173.71
58	.521 5918	149.52	.576 7308	156.92	.634 6534	165.00	.695 6243	173.87
59	.522 4893	149.64	.577 6727	157.04	.635 6438	165.14	.696 6680	174.02
60	3.523 3875	149.75	3.578 6154	157.17	3.636 6351	165.28	3.697 7126	174.18

Tafel VI.

Die Barker'sche Tafel.

v.	160°		161°		162°		163°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	3.697 7126	174.18	3.762 1539	183.99	3.830 3147	194.87	3.902 6107	207.00
1	.698 7581	174.34	.763 2584	184.16	.831 4845	195.06	.903 8534	207.21
2	.699 8046	174.49	.764 3639	184.34	.832 6554	195.25	.905 0973	207.43
3	.700 8520	174.65	.765 4704	184.51	.833 8275	195.44	.906 3425	207.64
4	.701 9003	174.80	.766 5780	184.68	.835 0008	195.64	.907 5890	207.86
5	3.702 9496	174.96	3.767 6867	184.86	3.836 1752	195.83	3.908 8368	208.08
6	.703 9999	175.12	.768 7963	185.03	.837 3508	196.02	.910 0859	208.29
7	.705 0511	175.28	.769 9070	185.20	.838 5275	196.22	.911 3363	208.51
8	.706 1032	175.43	.771 0187	185.38	.839 7054	196.41	.912 5880	208.72
9	.707 1562	175.59	.772 1315	185.55	.840 8844	196.60	.913 8410	208.94
10	3.708 2102	175.75	3.773 2454	185.73	3.842 0646	196.80	3.915 0953	209.16
11	.709 2652	175.91	.774 3603	185.90	.843 2460	196.99	.916 3509	209.38
12	.710 3211	176.07	.775 4762	186.08	.844 4286	197.19	.917 6078	209.60
13	.711 3780	176.22	.776 5932	186.25	.845 6123	197.38	.918 8661	209.81
14	.712 4358	176.38	.777 7112	186.43	.846 7972	197.58	.920 1256	210.03
15	3.713 4946	176.54	3.778 8303	186.60	3.847 9833	197.78	3.921 3865	210.25
16	.714 5543	176.70	.779 9505	186.78	.849 1705	197.97	.922 6487	210.48
17	.715 6150	176.86	.781 0717	186.96	.850 3589	198.17	.923 9122	210.70
18	.716 6766	177.02	.782 1940	187.14	.851 5486	198.37	.925 1770	210.92
19	.717 7392	177.18	.783 3174	187.31	.852 7394	198.57	.926 4432	211.14
20	3.718 8028	177.34	3.784 4418	187.49	3.853 9314	198.76	3.927 7107	211.36
21	.719 8673	177.50	.785 5672	187.67	.855 1245	198.96	.928 9795	211.58
22	.720 9328	177.66	.786 6938	187.85	.856 3189	199.16	.930 2497	211.81
23	.721 9993	177.83	.787 8214	188.03	.857 5145	199.36	.931 5212	212.03
24	.723 0668	178.00	.788 9501	188.21	.858 7112	199.56	.932 7940	212.25
25	3.724 1352	178.15	3.790 0799	188.39	3.859 9092	199.76	3.934 0682	212.48
26	.725 2045	178.31	.791 2108	188.57	.861 1084	199.96	.935 3438	212.70
27	.726 2749	178.47	.792 3427	188.75	.862 3087	200.16	.936 6207	212.93
28	.727 3462	178.63	.793 4757	188.93	.863 5103	200.36	.937 8989	213.15
29	.728 4185	178.80	.794 6098	189.11	.864 7131	200.56	.939 1785	213.38
30	3.729 4918	178.96	3.795 7450	189.29	3.865 9171	200.77	3.940 4595	213.61
31	.730 5661	179.13	.796 8812	189.47	.867 1223	200.97	.941 7418	213.83
32	.731 6413	179.29	.798 0186	189.65	.868 3287	201.17	.943 0254	214.06
33	.732 7176	179.45	.799 1571	189.83	.869 5363	201.37	.944 3105	214.29
34	.733 7948	179.62	.800 2966	190.01	.870 7452	201.58	.945 5969	214.52
35	3.734 8730	179.78	3.801 4372	190.20	3.871 9552	201.78	3.946 8847	214.74
36	.735 9522	179.95	.802 5790	190.38	.873 1665	201.98	.948 1738	214.97
37	.737 0324	180.11	.803 7218	190.56	.874 3791	202.19	.949 4644	215.20
38	.738 1136	180.28	.804 8657	190.65	.875 5928	202.39	.950 7563	215.43
39	.739 1957	180.45	.806 0108	190.93	.876 8078	202.60	.952 0496	215.66
40	3.740 2789	180.61	3.807 1569	191.11	3.878 0240	202.80	3.953 3443	215.90
41	.741 3631	180.78	.808 3041	191.30	.879 2414	203.01	.954 6403	216.13
42	.742 4482	180.94	.809 4525	191.48	.880 4601	203.22	.955 9378	216.36
43	.743 5344	181.11	.810 6020	191.67	.881 6800	303.42	.957 2366	216.59
44	.744 6216	181.28	.811 7525	191.86	.882 9012	203.63	.958 5369	216.82
45	3.745 7097	181.45	3.812 9042	192.04	3.884 1236	203.84	3.959 8385	217.06
46	.746 7989	181.61	.814 0570	192.23	.885 3473	204.05	.961 1416	217.29
47	.747 8891	181.78	.815 2110	192.41	.886 5722	204.26	.962 4460	217.53
48	.748 9803	181.95	.816 3660	192.60	.887 7983	204.46	.963 7519	217.76
49	.750 0725	182.12	.817 5222	192.79	.889 0257	204.67	.965 0592	218.00
50	3.751 1657	182.29	3.818 6795	192.98	3.890 2544	204.88	3.966 3678	218.23
51	.752 2599	182.46	.819 8379	193.16	.891 4843	205.09	.967 6779	218.47
52	.753 3552	182.63	.820 9974	193.35	.892 7155	205.31	.968 9895	218.70
53	.754 4514	182.80	.822 1581	193.54	.893 9480	205.52	.970 3024	218.94
54	.755 5487	182.97	.823 3199	193.73	.895 1817	205.73	.971 6168	219.18
55	3.756 6470	183.14	3.824 4829	193.92	3.896 4167	205.94	3.972 9326	219.42
56	.757 7464	183.31	.825 6470	194.11	.897 6529	206.15	.974 2498	219.66
57	.758 8467	183.48	.826 8122	194.30	.898 8905	206.36	.975 5684	219.90
58	.759 9481	183.65	.827 9785	194.49	.900 1293	206.57	.976 8885	220.13
59	.761 0505	183.82	.829 1460	194.68	.901 3694	206.79	.978 2100	220.37
60	3.762 1539	183.99	3.830 3147	194.87	3.902 6107	207.00	3.979 5330	220.61

Tafel VI.

Die Barker'sche Tafel.

v.	164°		165°		166°		167°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	3.979 5330	220.61	4.061 6673	236.01	4.149 7198	253.57	4.244 5537	273.78
1	.980 8574	220.86	.063 0842	236.28	.151 2422	253.88	.246 1975	274.14
2	.982 1833	221.10	.064 5027	236.56	.152 7664	254.19	.247 8434	274.51
3	.983 5106	221.34	.065 9229	236.83	.154 2925	254.51	.249 4916	274.87
4	.984 8394	221.58	.067 3447	237.11	.155 8205	254.83	.251 1419	275.24
5	3.986 1696	221.83	4.068 7682	237.39	4.157 3504	255.14	4.252 7944	275.60
6	.987 5013	222.07	.070 1933	237.66	.158 8822	255.46	.254 4491	275.97
7	.988 8345	222.31	.071 6201	237.94	.160 4159	255.78	.256 1061	276.34
8	.990 1691	222.56	.073 0486	238.22	.161 9515	256.10	.257 7652	276.71
9	.991 5051	222.80	.074 4787	238.50	.163 4891	256.42	.259 4266	277.08
10	3.992 8427	223.05	4.075 9106	238.78	4.165 0285	256.74	4.261 0902	277.45
11	.994 1817	223.29	.077 3441	239.06	.166 5699	257.06	.262 7560	277.82
12	.995 5222	223.54	.078 7792	239.34	.168 1132	257.38	.264 4240	278.20
13	.996 8642	223.79	.080 2161	239.62	.169 6585	257.70	.266 0943	278.57
14	.998 2077	224.03	.081 6546	239.90	.171 2056	258.02	.267 7669	278.95
15	3.999 5527	224.28	4.083 0948	240.18	4.172 7547	258.35	4.269 4417	279.32
16	4.000 8991	224.53	.084 5368	240.46	.174 3058	258.67	.271 1187	279.70
17	.002 2471	224.78	.085 9804	240.75	.175 8588	259.00	.272 7981	280.08
18	.003 5965	225.03	.087 4257	241.03	.177 4138	259.33	.274 4797	280.46
19	.004 9474	225.28	.088 8728	241.32	.178 9707	259.65	.276 1635	280.84
20	4.006 2999	225.53	4.090 3215	241.60	4.180 5296	259.98	4.277 8497	281.22
21	.007 6538	225.78	.091 7720	241.89	.182 0905	260.31	.279 5381	281.60
22	.009 0093	226.04	.093 2242	242.08	.183 6534	260.64	.281 2289	281.98
23	.010 3663	226.29	.094 6781	242.56	.185 2182	260.97	.282 9219	282.36
24	.011 7248	226.54	.096 1337	242.75	.186 7850	261.30	.284 6173	282.75
25	4.013 0848	226.79	4.097 5911	243.04	4.188 3538	261.63	4.286 3149	283.14
26	.014 4463	227.05	.099 0502	243.33	.189 9246	261.96	.288 0149	283.52
27	.015 8093	227.30	.100 5110	243.62	.191 4974	262.30	.289 7172	283.91
28	.017 1739	227.55	.101 9736	243.91	.193 0722	262.63	.291 4218	284.30
29	.018 5400	227.81	.103 4379	244.20	.194 6490	262.97	.293 1288	284.69
30	4.019 9077	228.06	4.104 9040	244.49	4.196 2278	263.30	4.294 8381	285.08
31	.021 2769	228.32	.106 3718	244.78	.197 8086	263.64	.296 5498	285.47
32	.022 6476	228.58	.107 8414	245.08	.199 3915	263.98	.298 2638	285.87
33	.024 0199	228.84	.109 3127	245.37	.200 9764	264.32	.299 9802	286.26
34	.025 3937	229.09	.110 7858	245.67	.202 5633	264.66	.301 6990	286.66
35	4.026 7691	229.35	4.112 2607	245.96	4.204 1523	265.00	4.303 4201	287.05
36	.028 1460	229.62	.113 7374	246.26	.205 7433	265.34	.305 1436	287.45
37	.029 5245	229.88	.115 2158	246.55	.207 3363	265.68	.306 8695	287.85
38	.030 9045	230.14	.116 6960	246.85	.208 9314	266.02	.308 5978	288.25
39	.032 2861	230.40	.118 1780	247.15	.210 5286	266.37	.310 3285	288.65
40	4.033 6693	230.66	4.119 6618	247.45	4.212 1278	266.71	4.312 0616	289.05
41	.035 0540	230.92	.121 1474	247.75	.213 7291	267.06	.313 7971	289.45
42	.036 4404	231.18	.122 6348	248.05	.215 3325	267.40	.315 5350	289.86
43	.037 8283	231.45	.124 1239	248.35	.216 9379	267.75	.317 2753	290.26
44	.039 2177	231.71	.125 6149	248.65	.218 5455	268.10	.319 0181	290.67
45	4.040 6088	231.97	4.127 1077	248.95	4.220 1551	268.44	4.320 7633	291.07
46	.042 0015	232.24	.128 6023	249.25	.221 7668	268.79	.322 5110	291.48
47	.043 3957	232.51	.130 0988	249.56	.223 3806	269.14	.324 2611	291.89
48	.044 7915	232.77	.131 5970	249.86	.224 9965	269.50	.326 0137	292.30
49	.046 1890	233.04	.133 0971	250.17	.226 6146	269.85	.327 7688	292.71
50	4.047 5880	233.31	4.134 5990	250.47	4.228 2347	270.20	4.329 5263	293.13
51	.048 9887	233.57	.136 1028	250.78	.229 8570	270.55	.331 2863	293.54
52	.050 3909	233.84	.137 6084	251.08	.231 4814	270.91	.333 0487	293.95
53	.051 7948	234.11	.139 1158	251.39	.233 1079	271.27	.334 8137	294.37
54	.053 2003	234.38	.140 6251	251.70	.234 7366	271.62	.336 5812	294.79
55	4.054 6074	234.65	4.142 1362	252.01	4.236 3674	271.98	4.338 3511	295.20
56	.056 0161	234.92	.143 6492	252.32	.238 0003	272.34	.340 1236	295.62
57	.057 4264	235.19	.145 1641	252.63	.239 6354	272.70	.341 8986	296.04
58	.058 8384	235.46	.146 6808	252.94	.241 2727	273.06	.343 6762	296.47
59	.060 2520	235.73	.148 1994	253.25	.242 9121	273.42	.345 4562	296.89
60	4.061 6673	236.01	4.149 7198	253.57	4.244 5537	273.78	4.347 2388	297.31

Tafel VI.

Die Barker'sche Tafel.

v.	168°		169°		170°		171°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	4.347 2388	297.31	4.459 1242	325.07	4.581 9445	358.31	4.717 9835	398.87
1	.349 0240	297.74	.461 0761	325.57	.584 0962	358.92	.720 3790	399.62
2	.350 8117	298.16	.463 0311	326.08	.586 2516	359.53	.722 7790	400.38
3	.352 6019	298.59	.464 9891	326.59	.588 4106	360.15	.725 1835	401.14
4	.354 3948	299.02	.466 9501	327.10	.590 5734	360.76	.727 5926	401.90
5	4.356 1902	299.45	4.468 9142	327.61	4.592 7398	361.38	4.730 0063	402.66
6	.357 9882	299.88	.470 8814	328.12	.594 9100	362.00	.732 4245	403.43
7	.359 7888	300.31	.472 8517	328.64	.597 0838	362.62	.734 8474	404.19
8	.361 5919	300.75	.474 8250	329.15	.599 2615	363.25	.737 2749	404.96
9	.363 3977	301.18	.476 8015	329.67	.601 4428	363.88	.739 7070	405.74
10	4.365 2061	301.62	4.478 7811	330.19	4.603 6280	364.50	4.742 1438	406.52
11	.367 0171	302.05	.480 7637	330.71	.605 8169	365.14	.744 5852	407.30
12	.368 8308	302.49	.482 7495	331.23	.608 0096	365.77	.747 0314	408.08
13	.370 6470	302.93	.484 7385	331.75	.610 2061	366.40	.749 4822	408.87
14	.372 4659	303.37	.486 7306	332.28	.612 4064	367.04	.751 9378	409.66
15	4.374 2875	303.81	4.488 7258	332.81	4.614 6106	367.68	4.754 3981	410.45
16	.376 1117	304.26	.490 7242	333.33	.616 8186	368.32	.756 8632	411.24
17	.377 9386	304.70	.492 7258	333.86	.619 0304	368.96	.759 3330	412.04
18	.379 7681	305.15	.494 7306	334.40	.621 2461	369.61	.761 8077	412.84
19	.381 6003	305.59	.496 7386	334.93	.623 4657	370.26	.764 2872	413.65
20	4.383 4352	306.04	4.498 7498	335.46	4.625 6892	370.91	4.766 7715	414.46
21	.385 2728	306.49	.500 7642	336.00	.627 9166	371.56	.769 2606	415.27
22	.387 1131	306.94	.502 7818	336.54	.630 1480	372.21	.771 7547	416.08
23	.388 9561	307.39	.504 8026	337.08	.632 3832	372.87	.774 2536	416.90
24	.390 8019	307.85	.506 8267	337.62	.634 6224	373.53	.776 7574	417.72
25	4.392 6503	308.30	4.508 8541	338.16	4.636 8656	374.19	4.779 2662	418.54
26	.394 5015	308.76	.510 8847	338.71	.639 1127	374.86	.781 7799	419.37
27	.396 3554	309.21	.512 9186	339.26	.641 3639	375.52	.784 2986	420.20
28	.398 2121	309.67	.514 9558	339.80	.643 6190	376.19	.786 8222	421.03
29	.400 0715	310.13	.516 9962	340.35	.645 8781	376.86	.789 3509	421.86
30	4.401 9337	310.59	4.519 0400	340.91	4.648 1413	377.53	4.791 8846	422.70
31	.403 7986	311.06	.521 0871	341.46	.650 4085	378.21	.794 4233	423.54
32	.405 6663	311.52	.523 1376	342.02	.652 6798	378.89	.796 9671	424.39
33	.407 5368	311.99	.525 1913	342.57	.654 9552	379.57	.799 5160	425.24
34	.409 4102	312.45	.527 2484	343.13	.657 2346	380.25	.802 0700	426.09
35	4.411 2863	312.92	4.529 3089	343.69	4.659 5182	380.93	4.804 6291	426.95
36	.413 1652	313.39	.531 3728	344.26	.661 8059	381.62	.807 1934	427.81
37	.415 0469	313.86	.533 4400	344.82	.664 0977	382.31	.809 7628	428.67
38	.416 9315	314.33	.535 5106	345.39	.666 3936	383.00	.812 3374	429.53
39	.418 8189	314.80	.537 5846	345.95	.668 6937	383.70	.814 9172	430.40
40	4.420 7091	315.28	4.539 6620	346.52	4.670 9980	384.39	4.817 5022	431.28
41	.422 6022	315.75	.541 7429	347.09	.673 3064	385.09	.820 0925	432.15
42	.424 4982	316.23	.543 8272	347.67	.675 6191	385.80	.822 6881	433.03
43	.426 3970	316.71	.545 9149	348.24	.677 9360	386.50	.825 2889	433.91
44	.428 2987	317.19	.548 0061	348.82	.680 2571	387.21	.827 8950	434.80
45	4.430 2033	317.67	4.550 1007	349.40	4.682 5825	387.92	4.830 5065	435.69
46	.432 1108	318.16	.552 1989	349.98	.684 9121	388.63	.833 1234	436.59
47	.434 0212	318.64	.554 3005	350.56	.687 2460	389.34	.835 7456	437.48
48	.435 9345	319.13	.556 4056	351.15	.689 5842	390.06	.838 3732	438.38
49	.437 8507	319.61	.558 5143	351.73	.691 9268	390.78	.841 0062	439.29
50	4.439 7698	320.10	4.560 6264	352.32	4.694 2736	391.50	4.843 6446	440.20
51	.441 6919	320.59	.562 7421	352.91	.696 6248	392.23	.846 2886	441.11
52	.443 6169	321.08	.564 8614	353.50	.698 9803	392.96	.848 9380	442.03
53	.445 5449	321.58	.566 9842	354.10	.701 3402	393.68	.851 5929	442.95
54	.447 4758	322.07	.569 1106	354.69	.703 7046	394.42	.854 2533	443.87
55	4.449 4097	322.57	4.571 2405	355.29	4.706 0733	395.15	4.856 9193	444.80
56	.451 3466	323.06	.573 3741	355.89	.708 4464	395.89	.859 5909	445.73
57	.453 2865	323.56	.575 5113	356.49	.710 8240	396.63	.862 2680	446.66
58	.455 2294	324.06	.577 6521	357.10	.713 2060	397.38	.864 9508	447.60
59	.457 1753	324.56	.579 7965	357.70	.715 5925	398.12	.867 6392	448.54
60	4.459 1242	325.07	4.581 9445	358.31	4.717 9835	398.87	4.870 3333	449.49

Tafel VI.

Die Barker'sche Tafel.

$v.$	172^0		173^0		174^0		175^0	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	4.870 3333	449.49	5.043 3285	514.47	5.243 3165	601.00	5.480 1373	722.00
1	.873 0331	450.44	.046 4191	515.71	.246 9276	602.69	.484 4765	724.42
2	.875 7386	451.39	.049 5171	516.96	.250 5488	604.38	.488 8304	726.87
3	.878 4499	452.35	.052 6226	518.21	.254 1802	606.08	.493 1989	729.33
4	.881 1668	453.31	.055 7356	519.47	.257 8218	607.80	.497 5823	731.80
5	4.883 8896	454.28	5.058 8562	520.73	5.261 4738	609.53	5.501 9806	734.30
6	.886 6182	455.25	.061 9843	522.00	.265 1361	611.26	.506 3939	736.81
7	.889 3526	456.23	.065 1202	523.28	.268 8089	613.00	.510 8223	739.33
8	.892 0929	457.20	.068 2637	524.56	.272 4922	614.75	.515 2659	741.87
9	.894 8391	458.19	.071 4149	525.85	.276 1860	616.52	.519 7248	744.44
10	4.897 5912	459.17	5.074 5738	527.14	5.279 8904	618.29	5.524 1992	747.02
11	.900 3492	460.16	.077 7406	528.44	.283 6055	620.08	.528 6890	749.61
12	.903 1132	461.16	.080 9151	529.75	.287 3313	621.87	.533 1946	752.23
13	.905 8831	462.16	.084 0976	531.06	.291 0680	623.67	.537 7158	754.86
14	.908 6591	463.16	.087 2879	532.38	.294 8154	625.49	.542 2529	757.51
15	4.911 4411	464.17	5.090 4862	533.71	5.298 5738	627.31	5.546 8060	760.18
16	.914 2291	465.18	.093 6924	535.04	.302 3432	629.15	.551 3751	762.87
17	.917 0233	466.20	.096 9067	536.38	.306 1237	631.00	.555 9605	765.58
18	.919 8235	467.22	.100 1290	537.73	.309 9152	632.85	.560 5621	768.31
19	.922 6299	468.25	.103 3594	539.08	.313 7179	634.72	.565 1802	771.05
20	4.925 4425	469.28	5.106 5980	540.44	5.317 5319	636.60	5.569 8148	773.82
21	.928 2612	470.31	.109 8447	541.81	.321 3571	638.49	.574 4661	776.61
22	.931 0862	471.35	.113 0997	543.18	.325 1938	640.39	.579 1341	779.41
23	.933 9174	472.39	.116 3629	544.56	.329 0418	642.30	.583 8190	782.24
24	.936 7549	473.44	.119 6344	545.95	.332 9014	644.23	.588 5210	785.08
25	4.939 5987	474.49	5.122 9143	547.34	5.336 7726	646.16	5.593 2401	787.95
26	.942 4489	475.55	.126 2026	548.74	.340 6554	648.11	.597 9764	790.84
27	.945 3053	476.61	.129 4992	550.15	.344 5499	650.07	.602 7302	793.75
28	.948 1682	477.68	.132 8044	551.57	.348 4562	652.04	.607 5014	796.68
29	.951 0375	478.75	.136 1181	552.99	.352 3744	654.02	.612 2903	799.63
30	4.953 9132	479.83	5.139 4403	554.42	5.356 3045	656.01	5.617 0970	802.60
31	.956 7954	480.91	.142 7711	555.86	.360 2466	658.02	.621 9216	805.60
32	.959 6841	481.99	.146 1106	557.30	.364 2007	660.04	.626 7642	808.62
33	.962 5793	483.08	.149 4588	558.75	.368 1671	662.07	.631 6250	811.66
34	.965 4811	484.18	.152 8157	560.21	.372 1456	664.11	.636 5041	814.72
35	4.968 3894	485.28	5.156 1813	561.68	5.376 1364	666.17	5.641 4017	817.81
36	.971 3044	486.38	.159 5558	563.16	.380 1396	668.24	.646 3179	820.92
37	.974 2260	487.49	.162 9392	564.64	.384 1553	670.32	.651 2528	824.05
38	.977 1543	488.61	.166 3315	566.13	.388 1834	672.41	.656 2065	827.21
39	.980 0893	489.73	.169 7328	567.63	.392 2242	674.52	.661 1793	830.39
40	4.983 0311	490.85	5.173 1431	569.13	5.396 2777	676.64	5.666 1713	833.60
41	.985 9795	491.98	.176 5624	570.65	.400 3439	678.77	.671 1825	836.83
42	.988 9348	493.12	.179 9908	572.17	.404 4229	680.92	.676 2132	840.08
43	.991 8970	494.26	.183 4284	573.70	.408 5149	683.08	.681 2635	843.36
44	.994 8659	495.40	.186 8752	575.24	.412 6199	685.25	.686 3336	846.67
45	4.997 8418	496.55	5.190 3312	576.78	5.416 7379	687.44	5.691 4236	850.00
46	5.000 8246	497.71	.193 7966	578.34	.420 8692	689.64	.696 5337	853.36
47	.003 8143	498.87	.197 2713	579.90	.425 0136	691.85	.701 6640	856.75
48	.006 8111	500.04	.200 7554	581.47	.429 1714	694.08	.706 8147	860.16
49	.009 8148	501.21	.204 2489	583.05	.433 3427	696.33	.711 9860	863.60
50	5.012 8256	502.39	5.207 7520	584.64	5.437 5274	698.59	5.717 1779	867.06
51	.015 8435	503.57	.211 2646	586.23	.441 7258	700.86	.722 3908	870.56
52	.018 8685	504.76	.214 7868	587.84	.445 9378	703.15	.727 6247	874.08
53	.021 9006	505.95	.218 3186	589.45	.450 1636	705.45	.732 8798	877.63
54	.024 9399	507.15	.221 8602	591.07	.454 4032	707.77	.738 1563	881.21
55	5.027 9864	508.36	5.225 4116	592.71	5.458 6568	710.10	5.743 4544	884.82
56	.031 0402	509.57	.228 9727	594.35	.462 9244	712.45	.748 7742	888.46
57	.034 1013	510.79	.232 5437	596.00	.467 2062	714.81	.754 1159	892.13
58	.037 1697	512.01	.236 1247	597.66	.471 5022	717.19	.759 4798	895.83
59	.040 2454	513.24	.239 7156	599.32	.475 8125	719.59	.764 8659	899.56
60	5.043 3285	514.47	5.243 3165	601.00	5.480 1373	722.00	5.770 2745	903.31

Tafel VI.

Die Barker'sche Tafel.

$v.$	176°		177°		178°		179°	
	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.	log M.	Diff. 1″.
0′	5.770 2745	903.3	6.144 6289	1205.3	6.672 5724	1808.8	7.575 4640	3619
1	.775 7058	907.1	.151 8807	1212.0	.683 4709	1824.0	.597 3596	3680
2	.781 1599	910.9	.159 1733	1218.8	.694 4613	1839.5	.619 6295	3744
3	.786 6370	914.8	.166 5070	1225.7	.705 5454	1855.3	.642 2868	3809
4	.792 1374	918.7	.173 8823	1232.7	.716 7248	1871.3	.665 3452	3877
5	5.797 6612	922.6	6.181 2997	1239.8	6.728 0010	1887.5	7.688 8192	3948
6	.803 2086	926.6	.188 7597	1246.9	.739 3758	1904.1	.712 7239	4021
7	.808 7798	930.6	.196 2628	1254.1	.750 8509	1921.0	.737 0756	4097
8	.814 3751	934.6	.203 8095	1261.4	.762 4279	1938.2	.761 8913	4176
9	.819 9946	938.6	.211 4002	1268.8	.774 1090	1955.6	.787 1889	4257
10	5.825 6386	942.7	6.219 0354	1276.3	6.785 8958	1973.4	7.812 9876	4343
11	.831 3073	946.8	.226 7158	1283.8	.797 7904	1991.5	.839 3075	4431
12	.837 0008	951.0	.234 4419	1291.5	.809 7946	2010.0	.866 1702	4524
13	.842 7195	955.2	.242 2142	1299.2	.821 9106	2028.8	.893 5986	4620
14	.848 4634	959.5	.250 0333	1307.1	.834 1404	2048.0	.921 6170	4720
15	5.854 2329	963.7	6.257 8997	1315.0	6.846 4863	2067.5	7.950 2513	4825
16	.860 0282	968.0	.265 8139	1323.0	.858 9503	2087.3	7.979 5292	4935
17	.865 8495	972.4	.273 7766	1331.1	.871 5348	2107.6	8.009 4802	5050
18	.871 6970	976.8	.281 7884	1339.4	.884 2422	2128.3	.040 1361	5170
19	.877 5710	981.2	.289 8499	1347.7	.897 0749	2149.4	.071 5309	5296
20	5.883 4717	985.7	6.297 9617	1356.2	6.910 0353	2170.9	8.103 7011	5428
21	.889 3993	990.2	.306 1244	1364.7	.923 1261	2192.8	.136 6857	5568
22	.895 3542	994.8	.314 3387	1373.3	.936 3498	2215.2	.170 5274	5714
23	.901 3365	999.4	.322 6052	1382.1	.949 7093	2238.0	.205 2717	5869
24	.907 3465	1004.0	.330 9247	1391.0	.963 2073	2261.4	.240 9679	6032
25	5.913 3845	1008.7	6.339 2977	1400.0	6.976 8466	2285.2	8.277 6700	6204
26	.919 4507	1013.4	.347 7249	1409.1	6.990 6304	2309.6	.315 4361	6387
27	.925 5454	1018.1	.356 2072	1418.3	7.004 5616	2334.3	.354 3298	6580
28	.931 6688	1022.9	.364 7451	1427.6	.018 6437	2359.7	.394 4205	6786
29	.937 8213	1027.8	.373 3395	1437.1	.032 8796	2385.7	.435 7842	7004
30	5.944 0030	1032.7	6.381 9910	1446.7	7.047 2729	2412.2	8.478 5044	7238
31	.950 2144	1037.6	.390 7005	1456.4	.061 8271	2439.4	.522 6731	7488
32	.956 4556	1042.6	.399 4687	1466.2	.076 5458	2467.1	.568 3920	7755
33	.962 7269	1047.7	.408 2965	1476.2	.091 4329	2495.4	.615 7739	8042
34	.969 0287	1052.9	.417 1846	1486.4	.106 4921	2524.5	.664 9442	8352
35	5.975 3613	1058.0	6.426 1337	1496.7	7.121 7276	2554.2	8.716 0431	8686
36	.981 7249	1063.2	.435 1449	1507.0	.137 1434	2584.6	.769 2286	9048
37	.988 1198	1068.4	.444 2191	1517.6	.152 7440	2615.8	.824 6779	9441
38	5.994 5464	1073.7	.453 3569	1528.3	.168 5336	2647.6	.882 5925	9870
39	6.001 0050	1079.1	.462 5594	1539.2	.184 5171	2680.4	.943 2018	10340
40	6.007 4958	1084.5	6.471 8275	1550.2	7.200 6993	2713.9	9.006 7690	10857
41	.014 0192	1089.9	.481 1620	1561.3	.217 0850	2748.3	.073 5974	11429
42	.020 5756	1095.4	.490 5641	1572.6	.233 6796	2783.5	.144 0401	12064
43	.027 1652	1101.0	.500 0346	1584.1	.250 4884	2819.7	.218 5102	12773
44	.033 7885	1106.7	.509 5746	1595.8	.267 5170	2856.8	.297 4963	13572
45	6.040 4457	1112.4	6.519 1850	1607.7	7.284 7712	2894.8	9.381 5820	14476
46	.047 1372	1118.1	.528 8669	1619.6	.302 2571	2934.1	.471 4711	15510
47	.053 8634	1123.9	.538 6216	1631.8	.319 9810	2974.2	.568 0247	16704
48	.060 6246	1129.8	.548 4499	1644.2	.337 9494	3015.6	.672 3106	18096
49	.067 4212	1135.7	.558 3530	1656.8	.356 1692	3058.1	.785 6758	19741
50	6.074 2535	1141.7	6.568 3320	1669.6	7.374 6475	3101.7	9.909 8535	21715
51	.081 1219	1147.7	.578 3881	1682.4	.393 3918	3146.8	10.047 1256	24127
52	.088 0269	1153.8	.588 5227	1695.6	.412 4099	3193.0	.200 5829	27144
53	.094 9687	1160.0	.598 7368	1708.9	.431 7097	3240.7	.374 5584	31023
54	.101 9479	1166.3	.609 0317	1722.6	.451 2999	3289.9	.575 3986	36197
55	6.108 9647	1172.6	6.619 4086	1736.4	7.471 1892	3340.3	10.812 9421	43450
56	.116 0196	1179.0	.629 8689	1750.3	.491 3870	3392.6	11.103 6719	
57	.123 1131	1185.4	.640 4141	1764.5	.511 9029	3446.5	11.478 4880	
58	.130 2455	1192.0	.651 0455	1779.0	.532 7472	3502.1	12.006 7617	
59	.137 4173	1198.6	.661 7645	1793.8	.553 9305	3559.6	12.909 8516	
60	6.144 6289	1205.3	6.672 5724	1808.8	7.575 4640	3618.7		

Tafel VII.

Ergänzung der Barker'schen Tafel für grosse Werthe von v.

w	δ	Diff.	w	δ	Diff.	w	δ	Diff.
° ′	′ ″	″	° ′	′ ″	″	° ′	′ ″	″
155 0	3 23.09		160 0	1 6.70		165 0	0 15.85	
5	19.74	3.35	5	5.33	1.37	10	14.98	0.87
10	16.43	3.31	10	3.97	1.36	20	14.16	0.82
15	13.17	3.26	15	2.64	1.33	30	13.38	0.78
20	9.95	3.22	20	1.33	1.31	40	12.63	0.75
25	6.77	3.18	25	0.04	1.29	50	11.91	0.72
		3.14			1.26			0.69
155 30	3 3.63		160 30	0 58.78		166 0	0 11.22	
35	0.54	3.09	35	57.54	1.24	10	10.57	0.65
40	2 57.49	3.05	40	56.31	1.23	20	9.95	0.62
45	54.48	3.01	45	55.11	1.20	30	9.36	0.59
50	51.51	2.97	50	53.93	1.18	40	8.80	0.56
55	48.58	2.93	55	52.77	1.16	50	8.26	0.54
		2.89			1.14			0.51
156 0	2 45.69		161 0	0 51.63		167 0	0 7.75	
5	42.84	2.85	5	50.50	1.13	10	7.27	0.48
10	40.03	2.81	10	49.40	1.10	20	6.81	0.46
15	37.26	2.77	15	48.32	1.08	30	6.37	0.44
20	34.53	2.73	20	47.26	1.06	40	5.96	0.41
25	31.83	2.70	25	46.21	1.05	50	5.57	0.39
		2.66			1.02			0.37
156 30	2 29.17		161 30	0 45.19		168 0	0 5.20	
35	26.55	2.62	35	44.18	1.01	10	4.84	0.36
40	23.97	2.58	40	43.19	0.99	20	4.51	0.33
45	21.43	2.54	45	42.22	0.97	30	4.20	0.31
50	18.92	2.51	50	41.26	0.96	40	3.90	0.30
55	16.44	2.48	55	40.33	0.93	50	3.62	0.28
		2.44			0.92			0.26
157 0	2 14.00		162 0	0 39.41		169 0	0 3.36	
5	11.59	2.41	5	38.51	0.90	10	3.11	0.25
10	9.22	2.37	10	37.62	0.89	20	2.88	0.23
15	6.89	2.33	15	36.75	0.87	30	2.66	0.22
20	4.58	2.31	20	35.90	0.85	40	2.46	0.20
25	2.31	2.27	25	35.06	0.84	50	2.27	0.19
		2.23			0.82			0.18
157 30	2 0.08		162 30	0 34.24		170 0	0 2.09	
35	1 57.89	2.19	35	33.43	0.81	10	1.92	0.17
40	55.72	2.17	40	32.64	0.79	20	1.76	0.16
45	53.57	2.15	45	31.86	0.78	30	1.62	0.14
50	51.46	2.11	50	31.10	0.76	40	1.48	0.14
55	49.39	2.07	55	30.35	0.75	50	1.35	0.13
		2.04			0.73			0.12
158 0	1 47.35		163 0	0 29.62		171 0	0 1.23	
5	45.34	2.01	5	28.90	0.72	10	1.12	0.11
10	43.35	1.99	10	28.20	0.70	20	1.02	0.10
15	41.39	1.96	15	27.51	0.69	30	0.93	0.09
20	39.47	1.92	20	26.83	0.68	40	0.84	0.09
25	37.57	1.90	25	26.16	0.67	50	0.76	0.08
		1.87			0.65			0.08
158 30	1 35.70		163 30	0 25.51		172 0	0 0.68	
35	33.87	1.83	35	24.88	0.63	10	0.61	0.07
40	32.06	1.81	40	24.25	0.63	20	0.55	0.06
45	30.28	1.78	45	23.64	0.61	30	0.49	0.06
50	28.52	1.76	50	23.04	0.60	40	0.44	0.05
55	26.80	1.72	55	22.45	0.59	50	0.39	0.05
		1.70			0.57			0.04
159 0	1 25.10		164 0	9 21.88		173 0	0 0.35	
5	23.43	1.67	5	21.31	0.57	10	0.31	0.04
10	21.78	1.65	10	20.76	0.55	20	0.27	0.04
15	20.16	1.62	15	20.22	0.54	30	0.24	0.03
20	18.57	1.59	20	19.69	0.53	40	0.21	0.03
25	17.00	1.57	25	19.18	0.51	50	0.19	0.02
		1.55			0.51			0.03
159 30	1 15.45		164 30	0 18.67		174 0	0 0.16	
35	13.94	1.51	35	18.17	0.50	175 0	0.07	0.09
40	12.44	1.50	40	17.69	0.48	176 0	0.02	0.05
45	10.97	1.47	45	17.21	0.48	177 0	0.01	0.01
50	9.53	1.44	50	16.75	0.46	178 0	0.00	0.01
55	8.10	1.43	55	16.29	0.46	179 0	0.00	0.00
		1.40			0.44			0.00
160 0	1 6.70		165 0	0 15.85		180 0	0 0.00	

Tafel VIII.

Zur Berechnung der seit dem Periheldurchgang verflossenen Zeit in der Parabel.

v	log N	Diff.	v	log N	Diff.	v	log N	Diff.
° ′			° ′			° ′		
0 0	0.025 5763		30 0	0.020 7913		60 0	0.008 8644	
30	.025 5749	14	30	.020 6368	1545	30	.008 6458	2186
1 0	.025 5707	42	31 0	.020 4802	1566	61 0	.008 4277	2181
30	.025 5638	69	30	.020 3215	1587	30	.008 2103	2174
2 0	.025 5542	96	32 0	.020 1607	1608	62 0	.007 9934	2169
30	.025 5418	124	30	.019 9979	1628	30	.007 7774	2160
3 0	0.025 5266	152	33 0	0.019 8330	1649	63 0	0.007 5621	2153
30	.025 5087	179	30	.019 6662	1668	30	.007 3477	2144
4 0	.025 4881	206	34 0	.019 4974	1688	64 0	.007 1343	2134
30	.025 4647	234	30	.019 3267	1707	30	.006 9220	2123
5 0	.025 4386	261	35 0	.019 1540	1727	65 0	.006 7108	2112
30	.025 4097	289	30	.018 9795	1745	30	.006 5008	2100
6 0	0.025 3781	316	36 0	0.018 8030	1765	66 0	0.006 2922	2086
30	.025 3437	344	30	.018 6248	1782	30	.006 0849	2073
7 0	.025 3066	371	37 0	.018 4448	1800	67 0	.005 8792	2057
30	.025 2668	398	30	.018 2629	1819	30	.005 6750	2042
8 0	.025 2243	425	38 0	.018 0794	1835	68 0	.005 4725	2025
30	.025 1791	452	30	.017 8941	1853	30	.005 2717	2008
9 0	0.025 1311	480	39 0	0.017 7072	1869	69 0	0.005 0729	1988
30	.025 0805	506	30	.017 5186	1886	30	.004 8760	1969
10 0	.025 0271	534	40 0	.017 3283	1903	70 0	.004 6811	1949
30	.024 9711	560	30	.017 1365	1918	30	.004 4884	1927
11 0	.024 9124	587	41 0	.016 9432	1933	71 0	.004 2980	1904
30	.024 8510	614	30	.016 7483	1949	30	.004 1100	1880
12 0	0.024 7869	641	42 0	0.016 5520	1963	72 0	0.003 9245	1855
30	.024 7201	668	30	.016 3542	1978	30	.003 7416	1829
13 0	.024 6507	694	43 0	.016 1550	1992	73 0	.003 5613	1803
30	.024 5786	721	30	.015 9545	2005	30	.003 3839	1774
14 0	.024 5039	747	44 0	.015 7526	2019	74 0	.003 2094	1745
30	.024 4266	773	30	.015 5495	2031	30	.003 0380	1714
15 0	0.024 3466	800	45 0	0.015 3450	2045	75 0	0.002 8698	1682
30	.024 2641	825	30	.015 1394	2056	30	.002 7049	1649
16 0	.024 1789	852	46 0	.014 9326	2068	76 0	.002 5433	1616
30	.024 0911	878	30	.014 7247	2079	30	.002 3854	1579
17 0	.024 0008	903	47 0	.014 5157	2090	77 0	.002 2311	1543
30	.023 9079	929	30	.014 3057	2100	30	.002 0806	1505
18 0	0.023 8125	954	48 0	0.014 0947	2110	78 0	0.001 9341	1465
30	.023 7145	980	30	.013 8827	2120	30	.001 7917	1424
19 0	.023 6140	1005	49 0	.013 6698	2129	79 0	.001 6535	1382
30	.023 5109	1031	30	.013 4561	2137	30	.001 5196	1339
20 0	.023 4054	1055	50 0	.013 2416	2145	80 0	.001 3903	1293
30	.023 2973	1081	30	.013 0263	2153	30	.001 2656	1247
21 0	0.023 1868	1105	51 0	0.012 8103	2160	81 0	0.001 1458	1198
30	.023 0738	1130	30	.012 5936	2167	30	.001 0309	1149
22 0	.022 9584	1154	52 0	.012 3764	2172	82 0	.000 9211	1098
30	.022 8405	1179	30	.012 1585	2179	30	.000 8166	1045
23 0	.022 7202	1203	53 0	.011 9402	2183	83 0	.000 7175	991
30	.022 5975	1227	30	.011 7215	2187	30	.000 6240	935
24 0	0.022 4724	1251	54 0	0.011 5024	2191	84 0	0.000 5364	876
30	.022 3449	1275	30	.011 2829	2195	30	.000 4546	818
25 0	.022 2151	1298	55 0	.011 0632	2197	85 0	.000 3790	756
30	.022 0829	1322	30	.010 8432	2200	30	.000 3096	694
26 0	.021 9484	1345	56 0	.010 6231	2201	86 0	.000 2468	628
30	.021 8116	1368	30	.010 4029	2202	30	.000 1906	562
27 0	0.021 6726	1390	57 0	0.010 1827	2202	87 0	0.000 1413	493
30	.021 5312	1414	30	.009 9625	2202	30	.000 0990	423
28 0	.021 3876	1436	58 0	.009 7424	2201	88 0	.000 0639	351
30	.021 2418	1458	30	.009 5225	2199	30	.000 0363	276
29 0	.021 0938	1480	59 0	.009 3028	2197	89 0	.000 0163	200
30	.020 9436	1502	30	.009 0834	2194	30	.000 0041	122
30 0	0.020 7913	1523	60 0	0.008 8644	2190	90 0	0.000 0000	41

Tafel VIII.

Zur Berechnung der seit dem Periheldurchgang verflossenen Zeit in der Parabel.

v	log N'	Diff.	v	log N'	Diff.	v	log N'	Diff.
° ′			° ′			° ′		
90 0	0.000 0000		120 0	9.963 1069		150 0	9.889 0321	
30	9.999 9876	124	30	.962 0074	10995	30	.887 8738	11583
91 0	.999 9507	369	121 0	.960 8971	11103	151 0	.886 7259	11479
30	.999 8893	614	30	.959 7764	11207	30	.885 5887	11372
92 0	.999 8039	854	122 0	.958 6454	11310	152 0	.884 4627	11260
30	.999 6944	1095	30	.957 5046	11408	30	.883 3481	11146
93 0	9.999 5613	1331	123 0	9.956 3542	11504	153 0	9.882 2455	11026
30	.999 4046	1567	30	.955 1945	11597	30	.881 1552	10903
94 0	.999 2246	1800	124 0	.954 0258	11687	154 0	.880 0775	10777
30	.999 0215	2031	30	.952 8483	11775	30	.879 0129	10646
95 0	.998 7955	2260	125 0	.951 6624	11859	155 0	.877 9616	10513
30	.998 5468	2487	30	.950 4684	11940	30	.876 9242	10374
96 0	9.998 2757	2711	126 0	9.949 2666	12018	156 0	9.875 9010	10232
30	.997 9824	2933	30	.948 0573	12093	30	.874 8922	10088
97 0	.997 6669	3155	127 0	.946 8408	12165	157 0	.873 8984	9938
30	.997 3297	3372	30	.945 6174	12234	30	.872 9198	9786
98 0	.996 9708	3589	128 0	.944 3875	12299	158 0	.871 9569	9629
30	.996 5906	3802	30	.943 1513	12362	30	.871 0099	9470
99 0	9.996 1891	4015	129 0	9.941 9092	12421	159 0	9.870 0792	9307
30	.995 7666	4225	30	.940 6615	12477	30	.869 1652	9140
100 0	.995 3234	4432	130 0	.939 4085	12530	160 0	.868 2683	8969
30	.994 8596	4638	30	.938 1506	12579	30	.867 3886	8797
101 0	.994 3755	4841	131 0	.936 8881	12625	161 0	.866 5266	8620
30	.993 8712	5043	30	.935 6213	12668	30	.865 6827	8439
102 0	9.993 3470	5242	132 0	9.934 3506	12707	162 0	9.864 8570	8257
30	.992 8031	5439	30	.933 0763	12743	30	.864 0500	8070
103 0	.992 2397	5634	133 0	.931 7987	12776	163 0	.863 2620	7880
30	.991 6570	5827	30	.930 5183	12804	30	.862 4932	7688
104 0	.991 0553	6017	134 0	.929 2353	12830	164 0	.861 7439	7493
30	.990 4347	6206	30	.927 9501	12852	30	.861 0145	7294
105 0	9.989 7956	6391	135 0	9.926 6630	12871	165 0	9.860 3053	7092
30	.989 1380	6576	30	.925 3745	12885	30	.859 6164	6889
106 0	.988 4622	6758	136 0	.924 0848	12897	166 0	.858 9482	6682
30	.987 7685	6937	30	.922 7943	12905	30	.858 3010	6472
107 0	.987 0571	7114	137 0	.921 5035	12908	167 0	.857 6750	6260
30	.986 3281	7290	30	.920 2126	12909	30	.857 0704	6046
108 0	9.985 5819	7462	138 0	9.918 9220	12906	168 0	9.856 4875	5829
30	.984 8186	7633	30	.917 6321	12899	30	.855 9266	5609
109 0	.984 0385	7801	139 0	.916 3433	12888	169 0	.855 3878	5388
30	.983 2418	7967	30	.915 0559	12874	30	.854 8714	5164
110 0	.982 4288	8130	140 0	.913 7703	12856	170 0	.854 3775	4939
30	.981 5996	8292	30	.912 4870	12833	30	.853 9065	4710
111 0	9.980 7545	8451	141 0	9.911 2062	12808	171 0	9.853 4584	4481
30	.979 8938	8607	30	.909 9283	12779	30	.853 0335	4249
112 0	.979 0177	8761	142 0	.908 6538	12745	172 0	.852 6319	4016
30	.978 1264	8913	30	.907 3831	12707	30	.852 2538	3781
113 0	.977 2202	9062	143 0	.906 1164	12667	173 0	.851 8994	3544
30	.976 2993	9209	30	.904 8542	12622	30	.851 5687	3307
114 0	9.975 3640	9353	144 0	9.903 5969	12573	174 0	9.851 2620	3067
30	.974 4145	9495	30	.902 3449	12520	30	.850 9794	2826
115 0	.973 4510	9635	145 0	.901 0985	12464	175 0	.850 7209	2585
30	.972 4739	9771	30	.899 8582	12403	30	.850 4868	2341
116 0	.971 4833	9906	146 0	.898 6243	12339	176 0	.850 2770	2098
30	.970 4790	10037	30	.897 3972	12271	30	.850 0917	1853
117 0	9.969 4629	10167	147 0	9.896 1774	12198	177 0	9.849 9309	1608
30	.968 4337	10292	30	.894 9652	12122	30	.849 7948	1361
118 0	.967 3920	10417	148 0	.893 7610	12042	178 0	.849 6833	1115
30	.966 3382	10538	30	.892 5652	11958	30	.849 5966	867
119 0	.965 2726	10656	149 0	.891 3782	11870	179 0	.849 5346	620
30	.964 1954	10772	30	.890 2004	11778	30	.849 4974	372
120 0	9.963 1069	10885	150 0	9.889 0321	11683	180 0	9.849 4850	124

Tafel IX.

Für nahezu parabolische Bahnen.

$\varepsilon = \frac{1-e}{1+e}$; $\iota = \operatorname{tg} \frac{v}{2}$. $M = \frac{D\,t}{q^{3/2}\sqrt{1+\varepsilon}}$; $\operatorname{tg} \frac{1}{2} v = C \operatorname{tg} \frac{1}{2} w$.

Hyperbel $\varepsilon\, \iota^2$	log C	Differenz	log D	Differenz
— 0.300	9.960 8905		9.893 4503	
		1477		2861
— 0.299	9.961 0382	1476	9.893 7364	2854
0.298	9.961 1858	1474	9.894 0218	2849
0.297	9.961 3332	1473	9.894 3067	2844
0.296	9.961 4805	1471	9.894 5911	2837
0.295	9.961 6276	1470	9.894 8748	2832
— 0.294	9.961 7746	1469	9.895 1580	2826
0.293	9.961 9215	1467	9.895 4406	2820
0.292	9.962 0682	1466	9.895 7226	2814
0.291	9.962 2148	1464	9.896 0040	2809
0.290	9.962 3612	1463	9.896 2849	2805
— 0.289	9.962 5075	1462	9.896 5654	2799
0.288	9.962 6537	1461	9.896 8453	2793
0.287	9.962 7998	1459	9.897 1246	2788
0.286	9.962 9457	1458	9.897 4034	2783
0.285	9.963 0915	1456	9.897 6817	2777
— 0.284	9.963 2371	1455	9.897 9594	2772
0.283	9.963 3826	1454	9.898 2366	2766
0.282	9.963 5280	1452	9.898 5132	2761
0.281	9.963 6732	1451	9.898 7893	2755
0.280	9.963 8183	1450	9.899 0648	2751
— 0.279	9.963 9633	1448	9.899 3399	2745
0.278	9.964 1081	1447	9.899 6144	2741
0.277	9.964 2528	1446	9.899 8885	2735
0.276	9.964 3974	1444	9.900 1620	2729
0.275	9.964 5418	1443	9.900 4349	2724
— 0.274	9.964 6861	1442	9.900 7073	2719
0.273	9.964 8303	1440	9.900 9792	2714
0.272	9.964 9743	1439	9.901 2506	2709
0.271	9.965 1182	1438	9.901 5215	2703
0.270	9.965 2620	1437	9.901 7918	2699
— 0.269	9.965 4057	1435	9.902 0617	2693
0.268	9.965 5492	1434	9.902 3310	2689
0.267	9.965 6926	1432	9.902 5999	2683
0.266	9.965 8358	1431	9.902 8682	2679
0.265	9.965 9789	1430	9.903 1361	2673
— 0.264	9.966 1219	1429	9.903 4034	2668
0.263	9.966 2648	1427	9.903 6702	2663
0.262	9.966 4075	1426	9.903 9365	2657
0.261	9.966 5501	1425	9.904 2022	2653
0.260	9.966 6926	1424	9.904 4675	2648
— 0.259	9.966 8350	1422	9.904 7323	2644
0.258	9.966 9772	1421	9.904 9967	2638
0.257	9.967 1193	1420	9.905 2605	2634
0.256	9.967 2613	1418	9.905 5239	2628
0.255	9.967 4031	1417	9.905 7867	2624
— 0.254	9.967 5448	1416	9.906 0491	2618
0.253	9.967 6864	1414	9.906 3109	2614
0.252	9.967 8278	1413	9.906 5723	2608
0.251	9.967 9691	1412	9.906 8331	2604
0.250	9.968 1103	1411	9.907 0935	2600
— 0.249	9.968 2514	1410	9.907 3535	2594
0.248	9.968 3924	1408	9.907 6129	2590
0.247	9.968 5332	1407	9.907 8719	2585
0.246	9.968 6739	1406	9.908 1304	2581
0.245	9.968 8145	1404	9.908 3885	2575
— 0.244	9.968 9549	1403	9.908 6460	2571
0.243	9.969 0952	1402	9.908 9031	2566
0.242	9.969 2354	1401	9.909 1597	2561
0.241	9.969 3755	1399	9.909 4158	2556
0.240	9.969 5154		9.909 6714	

Tafel IX.

Für nahezu parabolische Bahnen.

$\varepsilon = \frac{1-e}{1+e}$; $\tau = \operatorname{tg} \frac{v}{2}$. $\quad M = \frac{Dt}{q^{3/2}\sqrt{1+\varepsilon}}$; $\operatorname{tg} \frac{v}{2} = C \operatorname{tg} \frac{w}{2}$.

Hyperbel $\varepsilon\tau^2$	log C	Differenz	log D	Differenz
— 0.240	9.969 5154		9.909 6714	
		1398		2552
— 0.239	9.969 6552		9.909 9266	
		1397		2548
0.238	9.969 7949		9.910 1814	
		1396		2543
0.237	9.969 9345		9.910 4357	
		1395		2538
0.236	9.970 0740		9.910 6895	
		1393		2533
0.235	9.970 2133		9.910 9428	
		1392		2529
— 0.234	9.970 3525		9.911 1957	
		1391		2525
0.233	9.970 4916		9.911 4482	
		1390		2519
0.232	9.970 6306		9.911 7001	
		1388		2515
0.231	9.970 7694		9.911 9516	
		1387		2510
0.230	9.970 9081		9.912 2026	
		1386		2506
— 0.229	9.971 0467		9.912 4532	
		1385		2502
0.228	9.971 1852		9.912 7034	
		1384		2497
0.227	9.971 3236		9.912 9531	
		1383		2492
0.226	9.971 4619		9.913 2023	
		1381		2488
0.225	9.971 6000		9.913 4511	
		1380		2484
— 0.224	9.971 7380		9.913 6995	
		1379		2479
0.223	9.971 8759		9.913 9474	
		1378		2474
0.222	9.972 0137		9.914 1948	
		1376		2470
0.221	9.972 1513		9.914 4418	
		1375		2465
0.220	9.972 2888		9.914 6883	
		1374		2462
— 0.219	9.972 4262		9.914 9345	
		1373		2457
0.218	9.972 5635		9.915 1802	
		1372		2453
0.217	9.972 7007		9.915 4255	
		1370		2448
0.216	9.972 8377		9.915 6703	
		1370		2444
0.215	9.972 9747		9.915 9147	
		1368		2440
— 0.214	9.973 1115		9.916 1587	
		1366		2435
0.213	9.973 2481		9.916 4022	
		1366		2431
0.212	9.973 3847		9.916 6453	
		1364		2427
0.211	9.973 5211		9.916 8880	
		1364		2422
0.210	9.973 6575		9.917 1302	
		1363		2418
— 0.209	9.973 7938		9.917 3720	
		1361		2414
0.208	9.973 9299		9.917 6134	
		1360		2410
0.207	9.974 0659		9.917 8544	
		1359		2405
0.206	9.974 2018		9.918 0949	
		1358		2401
0.205	9.974 3376		9.918 3350	
		1357		2397
— 0.204	9.974 4733		9.918 5747	
		1355		2393
0.203	9.974 6088		9.918 8140	
		1354		2388
0.202	9.974 7442		9.919 0528	
		1353		2384
0.201	9.974 8795		9.919 2912	
		1352		2379
0.200	9.975 0147		9.919 5291	
		1351		2376
— 0.199	9.975 1498		9.919 7667	
		1350		2372
0.198	9.975 2848		9.920 0039	
		1348		2368
0.197	9.975 4196		9.920 2407	
		1347		2364
0.196	9.975 5543		9.920 4771	
		1347		2360
0.195	9.975 6890		9.920 7131	
		1345		2355
— 0.194	9.975 8235		9.920 9486	
		1343		2352
0.193	9.975 9578		9.921 1838	
		1343		2347
0.192	9.976 0921		9.921 4185	
		1342		2343
0.191	9.976 2263		9.921 6528	
		1340		2339
0.190	9.976 3603		9.921 8867	
		1339		2335
— 0.189	9.976 4942		9.922 1202	
		1339		2332
0.188	9.976 6281		9.922 3534	
		1337		2327
0.187	9.976 7618		9.922 5861	
		1336		2324
0.186	9.976 8954		9.922 8185	
		1335		2319
0.185	9.977 0289		9.923 0504	
		1334		2316
— 0.184	9.977 1623		9.923 2820	
		1332		2311
0.183	9.977 2955		9.923 5131	
		1332		2307
0.182	9.977 4287		9.923 7438	
		1330		2304
0.181	9.977 5617		9.923 9742	
		1329		2299
0.180	9.977 6946		9.924 2041	

Tafel IX.

Für nahezu parabolische Bahnen.

$\varepsilon = \frac{1-e}{1+e}$; $\tau = \operatorname{tg} \frac{1}{2} v$. $\quad M = \frac{D t}{q^{3/2} \sqrt{1+\varepsilon}}$; $\operatorname{tg} \frac{1}{2} v = C \operatorname{tg} \frac{1}{2} w$.

Hyperbel $\varepsilon \tau^2$	log C	Differenz	log D	Differenz
— 0.180	9.977 6946		9.924 2041	
		1328		2296
— 0.179	9.977 8274	1328	9.924 4337	2292
0.178	9.977 9602	1326	9.924 6629	2287
0.177	9.978 0928	1325	9.924 8916	2284
0.176	9.978 2253	1324	9.925 1200	2280
0.175	9.978 3577	1323	9.925 3480	2276
— 0.174	9.978 4900	1322	9.925 5756	2272
0.173	9.978 6222	1320	9.925 8028	2269
0.172	9.978 7542	1320	9.926 0297	2264
0.171	9.978 8862	1318	9.926 2561	2260
0.170	9.979 0180	1318	9.926 4821	2257
— 0.169	9.979 1498	1316	9.926 7078	2254
0.168	9.979 2814	1315	9.926 9332	2249
0.167	9.979 4129	1314	9.927 1581	2246
0.166	9.979 5443	1313	9.927 3827	2242
0.165	9.979 6756	1312	9.927 6069	2238
— 0.164	9.979 8068	1311	9.927 8307	2235
0.163	9.979 9379	1310	9.928 0542	2230
0.162	9.980 0689	1309	9.928 2772	2227
0.161	9.980 1998	1307	9.928 4999	2223
0.160	9.980 3305	1307	9.928 7222	2220
— 0.159	9.980 4612	1306	9.928 9442	2216
0.158	9.980 5918	1304	9.929 1658	2212
0.157	9.980 7222	1304	9.929 3870	2208
0.156	9.980 8526	1302	9.929 6078	2205
0.155	9.980 9828	1301	9.929 8283	2201
— 0.154	9.981 1129	1301	9.930 0484	2197
0.153	9.981 2430	1299	9.930 2681	2194
0.152	9.981 3729	1298	9.930 4875	2190
0.151	9.981 5027	1297	9.930 7065	2186
0.150	9.981 6324	1296	9.930 9251	2183
— 0.149	9.981 7620	1295	9.931 1434	2180
0.148	9.981 8915	1294	9.931 3614	2175
0.147	9.982 0209	1293	9.931 5789	2173
0.146	9.982 1502	1292	9.931 7962	2169
0.145	9.982 2794	1291	9.932 0131	2165
— 0.144	9.982 4085	1290	9.932 2296	2161
0.143	9.982 5375	1289	9.932 4457	2158
0.142	9.982 6664	1287	9.932 6615	2154
0.141	9.982 7951	1287	9.932 8769	2151
0.140	9.982 9238	1286	9.933 0920	2148
— 0.139	9.983 0524	1285	9.933 3068	2144
0.138	9.983 1809	1283	9.933 5212	2141
0.137	9.983 3092	1283	9.933 7353	2137
0.136	9.983 4375	1281	9.933 9490	2134
0.135	9.983 5656	1281	9.934 1624	2130
— 0.134	9.983 6937	1280	9.934 3754	2127
0.133	9.983 8217	1278	9.934 5881	2123
0.132	9.983 9495	1278	9.934 8004	2120
0.131	9.984 0773	1276	9.935 0124	2116
0.130	9.984 2049	1276	9.935 2240	2113
— 0.129	9.984 3325	1274	9.935 4353	2110
0.128	9.984 4599	1274	9.935 6463	2106
0.127	9.984 5873	1273	9.935 8569	2103
0.126	9.984 7146	1271	9.936 0672	2099
0.125	9.984 8417	1271	9.936 2771	2096
— 0.124	9.984 9688	1269	9.936 4867	2092
0.123	9.985 0957	1269	9.936 6959	2089
0.122	9.985 2226	1267	9.936 9048	2086
0.121	9.985 3493	1267	9.937 1134	2082
0.120	9.985 4760		9.937 3216	

Tafel IX.

Für nahezu parabolische Bahnen.

$\varepsilon = \frac{1-e}{1+e}$; $\tau = \operatorname{tg} \frac{1}{2} v$. $\quad M = \frac{D t}{q^{3/2} \sqrt{1+\varepsilon}}$; $\operatorname{tg} \frac{1}{2} v = C \operatorname{tg} \frac{1}{2} w$.

Hyperbel $\varepsilon \tau^2$	log C	Differenz	log D	Differenz
— 0.120	9.985 4760		9.937 3216	
		1266		2079
— 0.119	9.985 6026	1264	9.937 5295	2076
0.118	9.985 7290	1264	9.937 7371	2073
0.117	9.985 8554	1262	9.937 9444	2070
0.116	9.985 9816	1262	9.938 1514	2066
0.115	9.986 1078		9.938 3580	
		1261		2063
— 0.114	9.986 2339	1259	9.938 5643	2059
0.113	9.986 3598	1259	9.938 7702	2056
0.112	9.986 4857	1257	9.938 9758	2053
0.111	9.986 6114	1257	9.939 1811	2050
0.110	9.986 7371		9.939 3861	
		1256		2047
— 0.109	9.986 8627	1255	9.939 5908	2043
0.108	9.986 9882	1254	9.939 7951	2040
0.107	9.987 1136	1252	9.939 9991	2037
0.106	9.987 2388	1252	9.940 2028	2034
0.105	9.987 3640		9.940 4062	
		1251		2031
— 0.104	9.987 4891	1250	9.940 6093	2027
0.103	9.987 6141	1249	9.940 8120	2024
0.102	9.987 7390	1248	9.941 0144	2021
0.101	9.987 8638	1247	9.941 2165	2017
0.100	9.987 9885		9.941 4182	
		1246		2015
— 0.099	9.988 1131	1245	9.941 6197	2012
0.098	9.988 2376	1245	9.941 8209	2008
0.097	9.988 3621	1243	9.942 0217	2005
0.096	9.988 4864	1242	9.942 2222	2002
0.095	9.988 6106		9.942 4224	
		1241		1999
— 0.094	9.988 7347	1241	9.942 6223	1996
0.093	9.988 8588	1239	9.942 8219	1992
0.092	9.988 9827	1239	9.943 0211	1990
0.091	9.989 1066	1237	9.943 2201	1986
0.090	9.989 2303		9.943 4187	
		1237		1984
— 0.089	9.989 3540	1235	9.943 6171	1980
0.088	9.989 4775	1235	9.943 8151	1978
0.087	9.989 6010	1234	9.944 0129	1974
0.086	9.989 7244	1233	9.944 2103	1971
0.085	9.989 8477		9.944 4074	
		1232		1968
— 0.084	9.989 9709	1231	9.944 6042	1965
0.083	9.990 0940	1230	9.944 8007	1962
0.082	9.990 2170	1229	9.944 9969	1959
0.081	9.990 3399	1228	9.945 1928	1956
0.080	9.990 4627		9.945 3884	
		1227		1953
— 0.079	9.990 5854	1227	9.945 5837	1951
0.078	9.990 7081	1225	9.945 7788	1947
0.077	9.990 8306	1225	9.945 9735	1944
0.076	9.990 9531	1223	9.946 1679	1942
0.075	9.991 0754		9.946 3621	
		1223		1938
— 0.074	9.991 1977	1222	9.946 5559	1936
0.073	9.991 3199	1220	9.946 7495	1932
0.072	9.991 4419	1220	9.946 9427	1930
0.071	9.991 5639	1219	9.947 1357	1926
0.070	9.991 6858		9.947 3283	
		1218		1924
— 0.069	9.991 8076	1217	9.947 5207	1921
0.068	9.991 9293	1216	9.947 7128	1918
0.067	9.992 0509	1216	9.947 9046	1915
0.066	9.992 1725	1214	9.948 0961	1912
0.065	9.992 2939		9.948 2873	
		1213		1909
— 0.064	9.992 4152	1213	9.948 4782	1907
0.063	9.992 5365	1212	9.948 6689	1903
0.062	9.992 6577	1210	9.948 8592	1901
0.061	9.992 7787	1210	9.949 0493	1897
0.060	9.992 8997		9.949 2390	

Tafel IX.

Für nahezu parabolische Bahnen.

$$\varepsilon = \frac{1-e}{1+e};\ \tau = \operatorname{tg}\frac{v}{2}. \qquad M = \frac{Dt}{q^{3/2}\sqrt{1+\varepsilon}};\ \operatorname{tg}\frac{1}{2}v = C\operatorname{tg}\frac{1}{2}w.$$

Hyperbel $\varepsilon\tau^2$	log C	Differenz	log D	Differenz
— 0.060	9.992 8997		9.949 2390	
		1209		1895
— 0.059	9.993 0206	1208	9.949 4285	1892
0.058	9.993 1414	1207	9.949 6177	1889
0.057	9.993 2621	1207	9.949 8066	1887
0.056	9.993 3828	1205	9.949 9953	1883
0.055	9.993 5033		9.950 1836	
		1205		1881
— 0.054	9.993 6238	1204	9.950 3717	1878
0.053	9.993 7442	1202	9.950 5595	1875
0.052	9.993 8644	1202	9.950 7470	1872
0.051	9.993 9846	1201	9.950 9342	1869
0.050	9.994 1047		9.951 1211	
		1200		1867
— 0.049	9.994 2247	1200	9.951 3078	1864
0.048	9.994 3447	1198	9.951 4942	1861
0.047	9.994 4645	1197	9.951 6803	1858
0.046	9.994 5842	1197	9.951 8661	1856
0.045	9.994 7039		9.952 0517	
		1196		1853
— 0.044	9.994 8235	1195	9.952 2370	1850
0.043	9.994 9430	1194	9.952 4220	1847
0.042	9.995 0624	1193	9.952 6067	1844
0.041	9.995 1817	1192	9.952 7911	1842
0.040	9.995 3009		9.952 9753	
		1192		1839
— 0.039	9.995 4201	1190	9.953 1592	1837
0.038	9.995 5391	1190	9.953 3429	1834
0.037	9.995 6581	1188	9.953 5263	1831
0.036	9.995 7769	1188	9.953 7094	1829
0.035	9.995 8957		9.953 8923	
		1187		1826
— 0.034	9.996 0144	1187	9.954 0749	1823
0.033	9.996 1331	1185	9.954 2572	1820
0.032	9.996 2516	1185	9.954 4392	1818
0.031	9.996 3701	1183	9.954 6210	1815
0.030	9.996 4884		9.954 8025	
		1183		1813
— 0.029	9.996 6067	1182	9.954 9838	1810
0.028	9.996 7249	1181	9.955 1648	1807
0.027	9.996 8430	1180	9.955 3455	1805
0.026	9.996 9610	1179	9.955 5260	1802
0.025	9.997 0789		9.955 7062	
		1179		1799
— 0.024	9.997 1968	1177	9.955 8861	1797
0.023	9.997 3145	1177	9.956 0658	1794
0.022	9.997 4322	1176	9.956 2452	1791
0.021	9.997 5498	1175	9.956 4243	1789
9.020	9.997 6673		9.956 6032	
		1174		1787
— 0.019	9.997 7847	1174	9.956 7819	1784
0.018	9.997 9021	1172	9.956 9603	1781
0.017	9.998 0193	1172	9.957 1384	1779
0.016	9.998 1365	1171	9.957 3163	1776
0.015	9.998 2536		9.957 4939	
		1170		1773
— 0.014	9.998 3706	1169	9.957 6712	1771
0.013	9.998 4875	1169	9.957 8483	1769
0.012	9.998 6044	1167	9.958 0252	1766
0.011	9.998 7211	1167	9.958 2018	1763
0.010	9.998 8378		9.958 3781	
		1166		1761
— 0.009	9.998 9544	1165	9.958 5542	1758
0.008	9.999 0709	1164	9.958 7300	1756
0.007	9.999 1873	1164	9.958 9056	1754
0.006	9.999 3037	1162	9.959 0810	1751
0.005	9.999 4199		9.959 2561	
		1162		1748
— 0.004	9.999 5361	1161	9.959 4309	1746
0.003	9.999 6522	1160	9.959 6055	1743
0.002	9.999 7682	1160	9.959 7798	1741
0.001	9.999 8842	1158	9.959 9539	1738
0.000	0.000 0000		9.960 1277	

Tafel IX.

Für nahezu parabolische Bahnen.

$\varepsilon = \frac{1-e}{1+e}$; $\tau = \operatorname{tg} \frac{v}{2}$. $M = \frac{D\,t}{q^{3/2}\sqrt{1+\varepsilon}}$; $\operatorname{tg} \frac{1}{2} v = C \operatorname{tg} \frac{1}{2} w$.

Ellipse $\varepsilon\,\tau^2$	log C	Differenz	log D	Differenz
0.000	0.000 0000		9.960 1277	
		1158		1736
+ 0.001	0.000 1158	1157	9.960 3013	1734
0.002	0.000 2315	1156	9.960 4747	1731
0.003	0.000 3471	1155	9.960 6478	1728
0.004	0.000 4626	1155	9.960 8206	1726
0.005	0.000 5781		9.960 9932	
		1153		1724
+ 0.006	0.000 6934	1153	9.961 1656	1721
0.007	0.000 8087	1152	9.961 3377	1719
0.008	0.000 9239	1152	9.961 5096	1716
0.009	0.001 0391	1150	9.961 6812	1714
0.010	0.001 1541		9.961 8526	
		1150		1712
+ 0.011	0.001 2691	1148	9.962 0238	1709
0.012	0.001 3839	1148	9.962 1947	1707
0.013	0.001 4987	1148	9.962 3654	1704
0.014	0.001 6135	1146	9.962 5358	1702
0.015	0.001 7281		9.962 7060	
		1146		1700
+ 0.016	0.001 8427	1144	9.962 8760	1698
0.017	0.001 9571	1144	9.963 0458	1695
0.018	0.002 0715	1144	9.963 2153	1692
0.019	0.002 1859	1142	9.963 3845	1690
0.020	0.002 3001		9.963 5535	
		1142		1688
+ 0.021	0.002 4143	1141	9.963 7223	1686
0.022	0.002 5284	1140	9.963 8909	1683
0.023	0.002 6424	1139	9.964 0592	1681
0.024	0.002 7563	1138	9.964 2273	1678
0.025	0.002 8701		9.964 3951	
		1138		1676
+ 0.026	0.002 9839	1137	9.964 5627	1674
0.027	0.003 0976	1136	9.964 7301	1671
0.028	0.003 2112	1136	9.964 8972	1669
0.029	0.003 3248	1134	9.965 0641	1667
0.030	0.003 4382		9.965 2308	
		1134		1665
+ 0.031	0.003 5516	1133	9.965 3973	1662
0.032	0.003 6649	1132	9.965 5635	1660
0.033	0.003 7781	1132	9.965 7295	1658
0.034	0.003 8913	1130	9.965 8953	1656
0.035	0.004 0043		9.966 0609	
		1130		1653
+ 0.036	0.004 1173	1129	9.966 2262	1651
0.037	0.004 2302	1129	9.966 3913	1649
0.038	0.004 3431	1127	9.966 5562	1646
0.039	0.004 4558	1127	9.966 7208	1644
0.040	0.004 5685		9.966 8852	
		1126		1642
+ 0.041	0.004 6811	1125	9.967 0494	1640
0.042	0.004 7936	1125	9.967 2134	1637
0.043	0.004 9061	1124	9.967 3771	1636
0.044	0.005 0185	1123	9.967 5407	1633
0.045	0.005 1308		9.967 7040	
		1122		1630
+ 0.046	0.005 2430	1121	9.967 8670	1629
0.047	0.005 3551	1121	9.968 0299	1626
0.048	0.005 4672	1120	9.968 1925	1624
0.049	0.005 5792	1119	9.968 3549	1622
0.050	0.005 6911		9.968 5171	
		1118		1620
+ 0.051	0.005 8029	1118	9.968 6791	1617
0.052	0.005 9147	1117	9.968 8408	1616
0.053	0.006 0264	1116	9.969 0024	1613
0.054	0.006 1380	1116	9.969 1637	1611
0.055	0.006 2496		9.969 3248	
		1114		1609
+ 0.056	0.006 3610	1114	9.969 4857	1606
0.057	0.006 4724	1113	9.969 6463	1605
0.058	0.006 5837	1112	9.969 8068	1602
0.059	0.006 6949	1112	9.969 9670	1600
0.060	0.006 8061		9.970 1270	

Tafel IX.

Für nahezu parabolische Bahnen.

$\varepsilon = \frac{1-e}{1+e}$; $\tau = \operatorname{tg} \frac{v}{2}$. $\quad M = \frac{D\,t}{q^{3/2}\sqrt{1+\varepsilon}}$; $\operatorname{tg} \frac{1}{2} v = C \operatorname{tg} \frac{1}{2} w$.

Ellipse $\varepsilon\,\tau^2$	log C	Differenz	log D	Differenz
+ 0.060	0.006 8061		9.970 1270	
		1111		1598
+ 0.061	0.006 9172	1110	9.970 2868	1596
0.062	0.007 0282	1110	9.970 4464	1593
0.063	0.007 1392	1109	9.970 6057	1592
0.064	0.007 2501	1108	9.970 7649	1590
0.065	0.007 3609		9.970 9239	
		1107		1587
+ 0.066	0.007 4716	1107	9.971 0826	1584
0.067	0.007 5823	1106	9.971 2410	1583
0.068	0.007 6929	1105	9.971 3993	1581
0.069	0.007 8034	1104	9.971 5574	1578
0.070	0.007 9138		9.971 7152	
		1104		1577
+ 0.071	0.008 0242	1102	9.971 8729	1574
0.072	0.008 1344	1102	9.972 0303	1573
0.073	0.008 2446	1102	9.972 1876	1571
0.074	0.008 3548	1100	9.972 3447	1568
0.075	0.008 4648		9.972 5015	
		1100		1566
+ 0.076	0.008 5748	1099	9.972 6581	1565
0.077	0.008 6847	1099	9.972 8146	1562
0.078	0.008 7946	1097	9.972 9708	1560
0.079	0.008 9043	1097	9.973 1268	1558
0.080	0.009 0140		9.973 2826	
		1096		1556
+ 0.081	0.009 1236	1096	9.973 4382	1554
0.082	0.009 2332	1095	9.973 5936	1552
0.083	0.009 3427	1094	9.973 7488	1550
0.084	0.009 4521	1093	9.973 9038	1547
0.085	0.009 5614		9.974 0585	
		1093		1546
+ 0.086	0.009 6707	1092	9.974 2131	1544
0.087	0.009 7799	1091	9.974 3675	1541
0.088	0.009 8890	1090	9.974 5216	1540
0.089	0.009 9980	1090	9.974 6756	1537
0.090	0.010 1070		9.974 8293	
		1089		1536
+ 0.091	0.010 2159	1088	9.974 9829	1534
0.092	0.010 3247	1088	9.975 1363	1531
0.093	0.010 4335	1087	9.975 2894	1530
0.094	0.010 5422	1086	9.975 4424	1528
0.095	0.010 6508		9.975 5952	
		1085		1526
+ 0.096	0.010 7593	1085	9.975 7478	1524
0.097	0.010 8678	1084	9.975 9002	1521
0.098	0.010 9762	1084	9.976 0523	1520
0.099	0.011 0846	1082	9.976 2043	1518
0.100	0.011 1928		9.976 3561	
		1082		1516
+ 0.101	0.011 3010	1081	9.976 5077	1514
0.102	0.011 4091	1081	9.976 6591	1512
0.103	0.011 5172	1080	9.976 8103	1510
0.104	0.011 6252	1079	9.976 9613	1507
0.105	0.011 7331		9.977 1120	
		1078		1506
+ 0.106	0.011 8409	1078	9.977 2626	1504
0.107	0.011 9487	1077	9.977 4130	1502
0.108	0.012 0564	1076	9.977 5632	1500
0.109	0.012 1640	1076	9.977 7132	1498
0.110	0.012 2716		9.977 8630	
		1075		1496
+ 0.111	0.012 3791	1074	9.978 0126	1495
0.112	0.012 4865	1074	9.978 1621	1492
0.113	0.012 5939	1073	9.978 3113	1491
0.114	0.012 7012	1072	9.978 4604	1488
0.115	0.012 8084		9.978 6092	
		1072		1487
+ 0.116	0.012 9156	1071	9.978 7579	1485
0.117	0.013 0227	1070	9.978 9064	1482
0.118	0.013 1297	1069	9.979 0546	1481
0.119	0.013 2366	1069	9.979 2027	1479
0.120	0.013 3435		9.979 3506	

Tafel IX.

Für nahezu parabolische Bahnen.

$\varepsilon = \frac{1-e}{1+e}$; $\tau = \operatorname{tg} \frac{v}{2}$. $\quad M = \frac{Dt}{q^{3/2}\sqrt{1+\varepsilon}}$; $\operatorname{tg} \frac{1}{2} v = C \operatorname{tg} \frac{1}{2} w$.

Ellipse $\varepsilon\tau^2$	log C	Differenz	log D	Differenz
		1068	9.979 3506	1477
+ 0.120	0.013 3435	1068	9.979 4983	1476
+ 0.121	0.013 4503	1066	9.979 6459	1473
0.122	0.013 5571	1066	9.979 7932	1472
0.123	0.013 6637	1065	9.979 9404	1470
0.124	0.013 7703	1065	9.980 0874	1467
0.125	0.013 8768	1064	9.980 2341	1466
+ 0.126	0.013 9833	1064	9.980 3807	1464
0.127	0.014 0897	1062	9.980 5271	1463
0.128	0.014 1961	1062	9.980 6734	1460
0.129	0.014 3023	1061	9.980 8194	1459
0.130	0.014 4085	1061	9.980 9653	1457
+ 0.131	0.014 5146	1060	9.981 1110	1455
0.132	0.014 6207	1059	9.981 2565	1453
0.133	0.014 7267	1058	9.981 4018	1451
0.134	0.014 8326	1058	9.981 5469	1450
0.135	0.014 9384	1058	9.981 6919	1447
+ 0.136	0.015 0442	1056	9.981 8366	1446
0.137	0.015 1500	1056	9.981 9812	1444
0.138	0.015 2556	1055	9.982 1256	1442
0.139	0.015 3612	1055	9.982 2698	1440
0.140	0.015 4667	1054	9.982 4138	1439
+ 0.141	0.015 5722	1053	9.982 5577	1437
0.142	0.015 6776	1053	9.982 7014	1434
0.143	0.015 7829	1052	9.982 8448	1433
0.144	0.015 8882	1051	9.982 9881	1432
0.145	0.015 9934	1050	9.983 1313	1429
+ 0.146	0.016 0985	1050	9.983 2742	1428
0.147	0.016 2035	1050	9.983 4170	1425
0.148	0.016 3085	1048	9.983 5595	1424
0.149	0.016 4135	1048	9.983 7019	1422
0.150	0.016 5183	1047	9.983 8441	1421
+ 0.151	0.016 6231	1047	9.983 9862	1419
0.152	0.016 7278	1046	9.984 1281	1417
0.153	0.016 8325	1045	9.984 2698	1416
0.154	0.016 9371	1045	9.984 4114	1413
0.155	0.017 0416	1044	9.984 5527	1412
+ 0.156	0.017 1461	1043	9.984 6939	1410
0.157	0.017 2505	1043	9.984 8349	1408
0.158	0.017 3548	1042	9.984 9757	1407
0.159	0.017 4591	1042	9.985 1164	1405
0.160	0.017 5633	1041	9.985 2569	1403
+ 0.161	0.017 6675	1040	9.985 3972	1401
0.162	0.017 7716	1039	9.985 5373	1400
0.163	0.017 8756	1039	9.985 6773	1398
0.164	0.017 9795	1039	9.985 8171	1396
0.165	0.018 0834	1037	9.985 9567	1394
+ 0.166	0.018 1873	1037	9.986 0961	1393
0.167	0.018 2910	1036	9.986 2354	1391
0.168	0.018 3947	1036	9.986 3745	1389
0.169	0.018 4983	1035	9.986 5134	1388
0.170	0.018 6019	1034	9.986 6522	1386
+ 0.171	0.018 7054	1034	9.986 7908	1384
0.172	0.018 8088	1033	9.986 9292	1383
0.173	0.018 9122	1033	9.987 0675	1381
0.174	0.019 0155	1031	9.987 2056	1379
0.175	0.019 1188	1031	9.987 3435	1377
+ 0.176	0.019 2219	1031	9.987 4812	1376
0.177	0.019 3250	1030	9.987 6188	1375
0.178	0.019 4281	1029	9.987 7563	1372
0.179	0.019 5311		9.987 8935	
0.180	0.019 6340			

Tafel IX.

Für nahezu parabolische Bahnen.

$\varepsilon = \frac{1-e}{1+e}$; $\tau = \operatorname{tg} \frac{v}{2}$. $\quad M = \frac{D\,t}{q^{3/2}\sqrt{1+\varepsilon}}$; $\operatorname{tg} \frac{1}{2} v = C \operatorname{tg} \frac{1}{2} w$.

Ellipse $\varepsilon\,\tau^2$	log C	Differenz	log D	Differenz
		1029		1371
+ 0.180	0.019 6340	1028	9.987 8935	1369
+ 0.181	0.019 7369	1027	9.988 0306	1368
0.182	0.019 8397	1027	9.988 1675	1366
0.183	0.019 9424	1026	9.988 3043	1364
0.184	0.020 0451		9.988 4409	1362
0.185	0.020 1477	1026	9.988 5773	1361
+ 0.186	0.020 2503	1025	9.988 7135	1360
0.187	0.020 3528	1024	9.988 8496	1357
0.188	0.020 4552	1023	9.988 9856	1356
0.189	0.020 5575	1023	9.989 1213	1354
0.190	0.020 6598		9.989 2569	1353
+ 0.191	0.020 7620	1022	9.989 3923	1351
0.192	0.020 8642	1022	9.989 5276	1349
0.193	0.020 9663	1021	9.989 6627	1348
0.194	0.021 0684	1021	9.989 7976	1346
0.195	0.021 1704	1020	9.989 9324	1345
+ 0.196	0.021 2723	1019	9.990 0670	1342
0.197	0.021 3742	1019	9.990 2015	1342
0.198	0.021 4760	1018	9.990 3357	1339
0.199	0.021 5777	1017	9.990 4699	1338
0.200	0.021 6794	1017	9.990 6038	1337
+ 0.201	0.021 7810	1016	9.990 7376	1335
0.202	0.021 8826	1016	9.990 8713	1333
0.203	0.021 9841	1015	9.991 0048	1332
0.204	0.022 0855	1014	9.991 1381	1330
0.205	0.022 1869	1014	9.991 2713	1329
+ 0.206	0.022 2882	1013	9.991 4043	1327
0.207	0.022 3894	1012	9.991 5372	1325
0.208	0.022 4906	1012	9.991 6699	1324
0.209	0.022 5917	1011	9.991 8024	1322
0.210	0.022 6928	1011	9.991 9348	1321
+ 0.211	0.022 7938	1010	9.992 0670	1319
0.212	0.022 8948	1010	9.992 1991	1318
0.213	0.022 9957	1009	9.992 3310	1316
0.214	0.023 0965	1008	9.992 4628	1315
0.215	0.023 1973	1008	9.992 5944	1313
+ 0.216	0.023 2980	1007	9.992 7259	1311
0.217	0.023 3986	1006	9.992 8572	1310
0.218	0.023 4992	1006	9.992 9883	1308
0.219	0.023 5997	1005	9.993 1193	1307
0.220	0.023 7002	1005	9.993 2501	1305
+ 0.221	0.023 8006	1004	9.993 3808	1304
0.222	0.023 9010	1004	9.993 5113	1302
0.223	0.024 0013	1003	9.993 6417	1301
0.224	0.024 1015	1002	9.993 7719	1299
0.225	0.024 2016	1001	9.993 9020	1298
+ 0.226	0.024 3017	1001	9.994 0319	1296
0.227	0.024 4017	1000	9.994 1617	1294
0.228	0.024 5017	1000	9.994 2913	1293
0.229	0.024 6017	1000	9.994 4207	1292
0.230	0.024 7015	998	9.994 5500	1289
+ 0.231	0.024 8013	998	9.994 6792	1289
0.232	0.024 9011	998	9.994 8081	1287
0.233	0.025 0008	997	9.994 9370	1285
0.234	0.025 1004	996	9.995 0657	1284
0.235	0.025 2000	996	9.995 1942	1282
+ 0.236	0.025 2995	995	9.995 3226	1281
0.237	0.025 3990	995	9.995 4508	1279
0.238	0.025 4984	994	9.995 5789	1278
0.239	0.025 5977	993	9.995 7068	
0.240	0.025 6970	993	9.995 8346	

Tafel IX.

Für nahezu parabolische Bahnen.

$\varepsilon = \frac{1-e}{1+e}$; $\tau = \operatorname{tg}\frac{v}{2}$. $\quad M = \frac{D\,t}{q^{3/2}\sqrt{1+\varepsilon}}$; $\operatorname{tg}\frac{1}{2}v = C\operatorname{tg}\frac{1}{2}w$.

Ellipse $\varepsilon\,\tau^2$	log C	Differenz	log D	Differenz
			9.995 8346	
		992		1277
+ 0.241	0.025 7962		9.995 9623	
		992		1275
0.242	0.025 8954		9.996 0898	
		991		1273
0.243	0.025 9945		9.996 2171	
		990		1272
0.244	0.026 0935		9.996 3443	
		990		1271
0.245	0.026 1925		9.996 4714	
		990		1269
+ 0.246	0.026 2915		9.996 5983	
		989		1268
0.247	0.026 3904		9.996 7251	
		988		1266
0.248	0.026 4892		9.996 8517	
		987		1265
0.249	0.026 5879		9.996 9782	
		987		1263
0.250	0.026 6866		9.997 1045	
		987		1262
+ 0.251	0.026 7853		9.997 2307	
		986		1260
0.252	0.026 8839		9.997 3567	
		985		1259
0.253	0.026 9824		9.997 4826	
		985		1258
0.254	0.027 0809		9.997 6084	
		984		1256
0.255	0.027 1793		9.997 7340	
		983		1254
+ 0.256	0.027 2776		9.997 8594	
		983		1253
0.257	0.027 3759		9.997 9847	
		983		1252
0.258	0.027 4742		9.998 1099	
		982		1250
0.259	0.027 5724		9.998 2349	
		981		1249
0.260	0.027 6705		9.998 3598	
		981		1248
+ 0.261	0.027 7686		9.998 4846	
		980		1246
0.262	0.027 8666		9.998 6092	
		979		1244
0.263	0.027 9645		9.998 7336	
		979		1243
0.264	0.028 0624		9.998 8579	
		979		1242
0.265	0.028 1603		9.998 9821	
		978		1241
+ 0.266	0.028 2581		9.999 1062	
		977		1239
0.267	0.028 3558		9.999 2301	
		977		1237
0.268	0.028 4535		9.999 3538	
		976		1236
0.269	0.028 5511		9.999 4774	
		975		1235
0.270	0.028 6486		9.999 6009	
		975		1233
+ 0.271	0.028 7461		9.999 7242	
		975		1232
0.272	0.028 8436		9.999 8474	
		974		1231
0.273	0.028 9410		9.999 9705	
		973		1229
0.274	0.029 0383		0.000 0934	
		973		1228
0.275	0.029 1356		0.000 2162	
		972		1226
+ 0.276	0.029 2328		0.000 3388	
		972		1225
0.277	0.029 3300		0.000 4613	
		971		1224
0.278	0.029 4271		0.000 5837	
		970		1222
0.279	0.029 5241		0.000 7059	
		970		1221
0.280	0.029 6211		0.000 8280	
		970		1219
+ 0.281	0.029 7181		0.000 9499	
		969		1218
0.282	0.029 8150		0.001 0717	
		968		1217
0.283	0.029 9118		0.001 1934	
		968		1215
0.284	0.030 0086		0.001 3149	
		967		1214
0.285	0.030 1053		0.001 4363	
		967		1212
+ 0.286	0.030 2020		0.001 5575	
		967		1211
0.287	0.030 2987		0.001 6786	
		965		1210
0.288	0.030 3952		0.001 7996	
		965		1208
0.289	0.030 4917		0.001 9204	
		965		1207
0.290	0.030 5882		0.002 0411	
		964		1206
+ 0.291	0.030 6846		0.002 1617	
		964		1204
0.292	0.030 7810		0.002 2821	
		963		1203
0.293	0.030 8773		0.002 4024	
		962		1202
0.294	0.030 9735		0.002 5226	
		962		1200
0.295	0.031 0697		0.002 6426	
		961		1199
+ 0.296	0.031 1658		0.002 7625	
		960		1198
0.297	0.031 2618		0.002 8823	
		960		1196
0.298	0.031 3578		0.003 0019	
		960		1195
0.299	0.031 4538		0.003 1214	
		959		1194
0.300	0.031 5497		0.003 2408	

IXa.

Erläuterungen zu Tafel IX.

Die in Tafel IX gegebenen Grössen $log\, C$ und $log\, D$ wurden zunächst siebenstellig mit dem Argumente $x = \varepsilon\tau^2$ für die Werthe:

$$-0{,}300 \qquad -0{,}290 \qquad -0{,}280 \ldots \qquad +0{,}290 \qquad +0{,}300$$

berechnet. Hieraus wurden die Werthe von Tausendstel zu Tausendstel des Argumentes durch Interpolation gewonnen. Man kann in Folge dessen annehmen, dass die in der Tafel IX enthaltenen Grössen auf eine Einheit der siebenten Decimale genau sind. Im Folgenden wollen wir die Tafel an einigen Stellen durch Beispiele prüfen, wodurch gleichzeitig ihr Gebrauch klarer wird.

Wir betrachten zunächst zwei hyperbolische Bahnen, für welche $v = 90^0$ ist. Dann wird $\tau = tg\, {}^1/_2 v = 1$. Nun setzen wir für diese beiden Bahnen:

$$\varepsilon = -0{,}30 \quad \text{und} \quad \varepsilon = -0{,}29.$$

Dann ist:

$$x = \varepsilon\tau^2 \quad \text{oder} \quad x = -0{,}30 \quad \text{und} \quad x = -0{,}29.$$

Wir setzen nun:

$$\eta = -\varepsilon = \frac{e-1}{e+1}$$

und erhalten:

$$tg\, {}^1/_2 F = \sqrt{\eta}\, tg\, {}^1/_2 v,$$

$$(e\ \text{Mod.})\ tg\, F - log\, tg\,(45^0 + {}^1/_2 F) = \frac{\text{Mod.}\, k\sqrt{1+m}\,(t-T)}{(-a)^{3/2}},$$

wo Mod $= [9{,}637\,784\,3]$ ist.

Weiter setzen wir jetzt $m = 0$, d. h. wir betrachten zwei masselose Kometen und setzen schliesslich für beide Bahnen:

$$(-a) = +1.$$

(Da nämlich die Bahnen hyperbolisch sind, so ist a selbst negativ und $-a$ also positiv.) So erhalten wir:

$$tg\, {}^1/_2 F = \sqrt{\eta}$$

und bestimmen hieraus F. Es ist:

$$e = \frac{1+\eta}{1-\eta}; \qquad (-a) = +1.$$

Hieraus berechnen wir $(t - T)$ mittelst:

$$\text{Mod.}\ k\,(t-T) = (e\ \text{Mod.})\ tg\, F - log\, tg\left(45 + \frac{F}{2}\right).$$

Ferner ist:

$$q = (-a)\,(e-1) = \frac{2\eta}{1-\eta}.$$

Die Grössen $log\, D$ und $log\, C$ entnehmen wir nun Tafel IX mit dem Argumente $\varepsilon\tau^2$, welches in diesem Falle gleich ε ist. So können wir M finden:

$$M = \frac{D\,(t-T)\,(1-\eta)}{(2\eta)^{3/2}}$$

und hieraus mit der Barker'schen Tafel w bestimmen.

Aber andererseits ist:

$$tg\, {}^1/_2 v = C\, tg\, {}^1/_2 w,$$

also im vorliegenden Falle:

$$tg\, {}^1/_2 w = \frac{1}{C}.$$

Hieraus ergiebt sich ein anderer Werth von w, welcher mit dem oben gefundenen nahezu übereinstimmen muss, was eine directe Controle für $log\, C$ und $log\, D$ bildet. Die Rechnung gestaltet sich wie folgt:

IXa.

Erläuterungen zu Tafel IX.

$x = \varepsilon$	− 0,30	− 0,29
$-\varepsilon = \eta$	+ 0,30	+ 0,29
$1 - \eta$	+ 0,700 000 0	+ 0,710 000 0
$1 + \eta$	+ 1,300 000 0	+ 1,290 000 0
$log\ (1 - \eta)$	9,845 098 0	9,851 258 3
$log\ (1 + \eta)$	0,113 943 4	0,110 589 7
$log\ \eta$	9,477 121 3	9,462 398 0
$log \sqrt{\eta}$	9,738 560 7	9,731 199 0
$\frac{1}{2} F$	28° 42′ 37″,86	28° 18′ 11″,51
F	57° 25′ 15″,72	56° 36′ 23″,02
$45 + \frac{F}{2}$	73° 42′ 37″,86	73° 18′ 11″,51
$log\ e$	0,268 815 4	0,259 331 4
log Mod.	9,637 784 3	9,637 784 3
$tg\ F$	0,194 492 6	0,180 970 7
e Mod. $tg\ F$	0,101 122 3	0,078 086 4
numerus	1,262 182 9	1,196 978 5
$log\ tg \left(45° + \frac{F}{2}\right)$	0,534 288 3	0,522 946 0
Differenz	0,727 894 6	0,674 032 5
log	9,862 068 5	9,828 680 8
log Mod. k	7,873 365 7	7,873 365 7
$log\ (t - T)$	1,988 702 8	1,955 315 1
$log\ D$	9,893 450 3	9,896 284 9
$log\ (1 - \eta)$	9,845 098 0	9,851 258 3
$log\ D\ (t - T)\ (1 - \eta)$	1,727 251 1	1,702 858 3
$(2\eta)^{\frac{1}{2}}$	9,667 227 0	9,645 142 0
$log\ M$	2,060 024 1	2,057 716 3
w	95° 9′ 9″,70	94° 57′ 33″,90
$\frac{1}{C} = tg\ \frac{1}{2} w$	0,039 109 5	0,037 638 8
$\frac{1}{2} w$	47° 34′ 34″,85	47° 28′ 46″,97
w	95° 9′ 9″,70	94° 57′ 33″,94

Die Uebereinstimmung der beiden Werthe von w ist so gut, als man dies nur erwarten konnte. In ähnlicher Weise prüfen wir die beiden äussersten Grundintervalle für die Ellipse. Wir setzen wiederum:

$$v = 90° \qquad \iota = tg\ \frac{v}{2} = 1$$

$$\varepsilon = x \qquad tg\ \tfrac{1}{2} E = \sqrt{\varepsilon}$$

und erhalten so E. Es ist ferner:

$$e = \frac{1 - \varepsilon}{1 + \varepsilon}.$$

Wir setzen wiederum $a = + 1$. Dann ist:

$$t - T = \frac{E - e\ sin\ E}{k} \qquad q = a(1 - e) = \frac{2\varepsilon}{1 + \varepsilon}.$$

IXa.

Erläuterungen zu Tafel IX.

Nun entnehmen wir $log\, D$ und $log\, C$ mit dem Argumente ε aus Tafel IX und berechnen dann:

$$M = \frac{Dt}{q^{3/2}\sqrt{1+\varepsilon}} = \frac{Dt(1+\varepsilon)}{(2\varepsilon)^{3/2}}.$$

Hieraus finden wir w mittelst der Barker'schen Tafel. Andererseits ist aber:

$$tg\,{}^1/_2 w = \frac{1}{C},$$

woraus sich ein anderer Werth von w ergiebt, der mit dem vorhergehenden übereinstimmen muss. Die Rechnung gestaltet sich wie folgt:

$\varepsilon = x$	+ 0,30	+ 0,29
$1 - \varepsilon$	+ 0,700 000 0	+ 0,710 000 0
$1 + \varepsilon$	+ 1,300 000 0	+ 1,290 000 0
$log\,(1-\varepsilon)$	9,845 098 0	9,851 258 3
$log\,(1+\varepsilon)$	0,113 943 4	0,110 589 7
$log\,\varepsilon$	9,477 121 3	9,462 398 0
$log\sqrt{\varepsilon}$	9,738 560 7	9,731 199 0
$^1/_2 E$	28° 42′ 37″,86	28° 18′ 11″,51
E	57° 25′ 15″,72	56° 36′ 23″,02
$e''\,sin\,E$	25° 59′ 49″,48	26° 19′ 43″,56
Mittlere Anomalie	31° 25′ 26″,24	30° 16′ 39″,46
$log\,e$	9,731 154 6	9,740 668 6
$log\,e''$	5,045 579 7	5,055 093 7
$sin\,E$	9,925 647 3	9,921 639 3
$log\,e''\,sin\,E$	4,971 227 0	4,976 733 0
$e''\,sin\,E$	93 589″,40	94 783″,56
$(E - e\,sin\,E)''$	113 126″,24	108 999″,46
$log\,(E - e\,sin\,E)''$	5,053 563 4	5,037 424 4
k''	3,550 006 6	3,550 006 6
$log\,(t-T)$	1,503 556 8	1,487 417 8
$log\,D$	0,003 240,8	0,002 041 1
$log\,(1+\varepsilon)$	0,113 943 4	0,110 589 7
$log\,D\,(t-T)\,(1+\varepsilon)$	1,620 741 0	1,600 048 6
$(2\varepsilon)^{3/2}$	9,667 227 0	9,645 142 0
$log\,M$	1,953 514 0	1,954 906 6
w	85° 50′ 28″,89	85° 58′ 4″,41
$\frac{1}{C} = tg\,{}^1/_2 w$	9,968 450 3	9,969 411 8
$^1/_2 w$	42° 55′ 14″,43	42° 59′ 2″,18
w	85° 50′ 28″,86	85° 58′ 4″,36

Auch hier stimmen die beiden Werthe von w in genügender Weise überein.

Wir behandeln schliesslich noch die beiden von Gauss in der Theoria motus gegebenen Beispiele. Für den Halley'schen Kometen war:

$$e = 0{,}967\,645\,67$$
$$log\,q = 9{,}765\,650\,0$$
$$(t - T) = 63^d{,}544\,00$$

IXa.
Erläuterungen zu Tafel IX.

Hieraus folgt:

$log\ (1 - e)$	8,509 932 4
$log\ (1 + e)$	0,293 946 9
$log\ \varepsilon$	8,215 985 5

Wir betrachten nun den von Gauss und Oppolzer gefundenen Werth $v = 100^0\ 0'\ 0'',00$, als erste Näherung, aus welcher wir einen anderen Werth von v mittelst der in Vorlesung (7) gegebenen Rechnungsvorschriften ableiten wollen. Es wird:

v	$100^0\ 0'\ 0'',00$	$D\,(t - T)$	1,767 193 2
$\frac{1}{2} v$	$50^0\ 0'\ 0'',00$	$q^{3/2} \sqrt{1 + \varepsilon}$	9,652 016 6
$\tau = tg\, \frac{1}{2} v$	0,076 186 5	$log\ M$	2,115 176 6
τ^2	0,152 373 0	w	$99^0\ 39'\ 4'',60$
ε	8,215 985 5	$\frac{1}{2} w$	$49^0\ 49'\ 32'',30$
$log\ \varepsilon \tau^2$	8,368 358 5	$tg\, \frac{1}{2} w$	0,073 503 8
$\varepsilon \tau^2 = x$	+ 0,023 353 85	$log\ C$	0,002 682 7
$log\ D$	9,964 118 7	$tg\, \frac{1}{2} v$	0,076 186 5
$log\ t$	1,803 074 5	$\frac{1}{2} v$	$50^0\ 0'\ 0'',00$
$log\ q^{3/2}$	9,648 475 0	v	$100^0\ 0'\ 0'',00$
$log \sqrt{1 + \varepsilon}$	0,003 541 6		

in völliger Uebereinstimmung mit obigem Ausgangswerthe.

Für das zweite der Gauss'schen Beispiele ist:

$$e = 1{,}261\,882\,0$$
$$log\ q = 0{,}020\,165\,7$$
$$(t - T) = 65^d{,}41\,236.$$

Wir nehmen als Näherungswerth an:

v	$67^0\ 2'\ 59'',96$	$D\,(t - T)$	1,766 627 9
$\frac{1}{2} v$	$33^0\ 31'\ 29'',98$	$q^{3/2} \sqrt{1 + \varepsilon}$	0,003 528 5
$\tau = tg\, \frac{v}{2}$	9,821 194 5	M	1,763 099 4
τ^2	9,642 389 0	w	$67^0\ 46'\ 48'',35$
ε	$9{,}063\,635\,7_n$	$\frac{w}{2}$	$33^0\ 53'\ 24'',18$
$log\ \varepsilon \tau^2$	$8{,}706\,024\,7_n$	$tg\, \frac{w}{2}$	9,827 188 3
$\varepsilon \tau^2$	— 0,050 818 84	$log\ C$	9,994 006 4
$log\ C$	9,994 006 4	$tg\, \frac{v}{2}$	9,821 194 7
$log\ D$	9,950 968 1	$\frac{1}{2} v$	$33^0\ 31'\ 30'',02$
$log\ (t - T)$	1,815 659 8	v	$67^0\ 3'\ 0'',04$
$q^{3/2}$	0,030 248 5		
$\sqrt{1 + \varepsilon}$	9,973 280 0		

Dieser letztere Werth weicht etwas mehr von dem oben gegebenen ab, doch ist die Uebereinstimmung für siebenstellige Rechnung noch immer eine genügende. Die Rechner können sich also ohne Bedenken zur Berechnung der wahren Anomalie v in nahezu parabolischen Bahnen der Tafel IX in Verbindung mit der Barker'schen bedienen.

Tafel X.

Enckes μ-Tafel.

ν	log μ	Diff.	ν	log μ	Diff.	ν	log μ	Diff.
0.000	0.000 0000	0	0.060	0.000 0652	22	0.120	0.000 2617	44
.001	.000 0000	1	.061	.000 0674	23	.121	.000 2661	44
.002	.000 0001	1	.062	.000 0697	22	.122	.000 2705	45
.003	.000 0002	1	.063	.000 0719	23	.123	.000 2750	45
.004	.000 0003	1	.064	.000 0742	24	.124	.000 2795	46
0.005	0.000 0004	2	0.065	0.000 0766	24	0.125	0.000 2841	45
.006	.000 0006	3	.066	.000 0790	24	.126	.000 2886	47
.007	.000 0009	3	.067	.000 0814	24	.127	.000 2933	46
.008	.000 0012	3	.068	.000 0838	25	.128	.000 2979	47
.009	.000 0015	3	.069	.000 0863	25	.129	.000 3026	48
0.010	0.000 0018	4	0.070	0.000 0888	26	0.130	0.000 3074	47
.011	.000 0022	4	.071	.000 0914	26	.131	.000 3121	48
.012	.000 0026	5	.072	.000 0940	26	.132	.000 3169	49
.013	.000 0031	4	.073	.000 0966	27	.133	.000 3218	49
.014	.000 0035	6	.074	.000 0993	27	.134	.000 3267	49
0.015	0.000 0041	5	0.075	0.000 1020	27	0.135	0.000 3316	49
.016	.000 0046	6	.076	.000 1047	28	.136	.000 3365	50
.017	.000 0052	7	.077	.000 1075	28	.137	.000 3415	51
.018	.000 0059	6	.078	.000 1103	29	.138	.000 3466	50
.019	.000 0065	7	.079	.000 1132	29	.139	.000 3516	51
0.020	0.000 0072	8	0.080	0.000 1161	29	0.140	0.000 3567	52
.021	.000 0080	8	.081	.000 1190	29	.141	.000 3619	52
.022	.000 0088	8	.082	.000 1219	30	.142	.000 3671	52
.023	.000 0096	8	.083	.000 1249	31	.143	.000 3723	52
.024	.000 0104	9	.084	.000 1280	31	.144	.000 3775	53
0.025	0.000 0113	9	0.085	0.000 1311	31	0.145	0.000 3828	54
.026	.000 0122	10	.086	.000 1342	31	.146	.000 3882	53
.027	.000 0132	10	.087	.000 1373	32	.147	.000 3935	54
.028	.000 0142	10	.088	.000 1405	32	.148	.000 3989	55
.029	.000 0152	11	.089	.000 1437	33	.149	.000 4044	55
0.030	0.000 0163	11	0.090	0.000 1470	32	0.150	0.000 4099	55
.031	.000 0174	11	.091	.000 1502	34	.151	.000 4154	55
.032	.000 0185	12	.092	.000 1536	33	.152	.000 4209	56
.033	.000 0197	12	.093	.000 1569	34	.153	.000 4265	57
.034	.000 0209	13	.094	.000 1603	35	.154	.000 4322	56
0.035	0.000 0222	13	0.095	0.000 1638	35	0.155	0.000 4378	57
.036	.000 0235	13	.096	.000 1673	35	.156	.000 4435	58
.037	.000 0248	14	.097	.000 1708	35	.157	.000 4493	58
.038	.000 0262	13	.098	.000 1743	36	.158	.000 4551	58
.039	.000 0275	15	.099	.000 1779	36	.159	.000 4609	59
0.040	0.000 0290	14	0.100	0.000 1815	37	0.160	0.000 4668	58
.041	.000 0304	16	.101	.000 1852	37	.161	.000 4726	60
.042	.000 0320	15	.102	.000 1889	37	.162	.000 4786	60
.043	.000 0335	16	.103	.000 1926	38	.163	.000 4846	60
.044	.000 0351	16	.104	.000 1964	38	.164	.000 4906	60
0.045	0.000 0367	16	0.105	0.000 2002	38	0.165	0.000 4966	61
.046	.000 0383	17	.106	.000 2040	39	.166	.000 5027	61
.047	.000 0400	17	.107	.000 2079	39	.167	.000 5088	62
.048	.000 0417	18	.108	.000 2118	40	.168	.000 5150	62
.049	.000 0435	18	.109	.000 2158	40	.169	.000 5212	62
0.050	0.000 0453	18	0.110	0.000 2198	40	0.170	0.000 5274	63
.051	.000 0471	19	.111	.000 2238	41	.171	.000 5337	63
.052	.000 0490	19	.112	.000 2279	41	.172	.000 5400	64
.053	.000 0509	19	.113	.000 2320	41	.173	.000 5464	64
.054	.000 0528	20	.114	.000 2361	42	.174	.000 5528	64
0.055	0.000 0548	20	0.115	0.000 2403	42	0.175	0.000 5592	65
.056	.000 0568	21	.116	.000 2445	42	.176	.000 5657	65
.057	.000 0589	21	.117	.000 2487	43	.177	.000 5722	65
.058	.000 0610	21	.118	.000 2530	43	.178	.000 5787	66
.059	.000 0631	21	.119	.000 2573	44	.179	.000 5853	66
0.060	0.000 0652		0.120	0.000 2617		0.180	0.000 5919	

Tafel X.

Enckes μ-Tafel.

ν	log μ	Diff.	ν	log μ	Diff.	ν	log μ	Diff.
0.180	0.000 5919		0.240	0.001 0603		0.300	0.001 6733	
		67			90			115
.181	.000 5986	67	.241	.001 0693	91	.301	.001 6848	115
.182	.000 6053	67	.242	.001 0784	91	.302	.001 6963	116
.183	.000 6120	68	.243	.001 0875	91	.303	.001 7079	116
.184	.000 6188	68	.244	.001 0966	92	.304	.001 7195	117
0.185	0.000 6256		0.245	0.001 1058		0.305	0.001 7312	
		69			92			117
.186	.000 6325	68	.246	.001 1150	92	.306	.001 7429	117
.187	.000 6393	70	.247	.001 1242	93	.307	.001 7546	118
.188	.000 6463	69	.248	.001 1335	94	.308	.001 7664	119
.189	.000 6532	70	.249	.001 1429	93	.309	.001 7783	118
0.190	0.000 6602		0.250	0.001 1522		0.310	0.001 7901	
		71			95			119
.191	.000 6673	71	.251	.001 1617	94	.311	.001 8020	120
.192	.000 6744	71	.252	.001 1711	95	.312	.001 8140	120
.193	.000 6815	72	.253	.001 1806	95	.313	.001 8260	121
.194	.000 6887	72	.254	.001 1901	96	.314	.001 8381	121
0.195	0.000 6959		0.255	0.001 1997		0.315	0.001 8502	
		72			96			121
.196	.000 7031	73	.256	.001 2093	97	.316	.001 8623	122
.197	.000 7104	73	.257	.001 2190	97	.317	.001 8745	122
.198	.000 7177	73	.258	.001 2287	97	.318	.001 8867	122
.199	.000 7250	74	.259	.001 2384	98	.319	.001 8989	124
0.200	0.000 7324		0.260	0.001 2482		0.320	0.001 9113	
		75			98			123
.201	.000 7399	74	.261	.001 2580	99	.321	.001 9236	124
.202	.000 7473	75	.262	.001 2679	99	.322	.001 9360	124
.203	.000 7548	76	.263	.001 2778	99	.323	.001 9484	125
.204	.000 7624	76	.264	.001 2877	100	.324	.001 9609	125
0.205	0.000 7700		0.265	0.001 2977		0.325	0.001 9734	
		76			100			126
.206	.000 7776	77	.266	.001 3077	101	.326	.001 9860	126
.207	.000 7853	77	.267	.001 3178	101	.327	.001 9986	127
.208	.000 7930	77	.268	.001 3279	102	.328	.002 0113	127
.209	.000 8007	78	.269	.001 3381	101	.329	.002 0240	127
0.210	0.000 8085		0.270	0.001 3482		0.330	0.002 0367	
		78			103			128
.211	.000 8163	79	.271	.001 3585	103	.331	.002 0495	129
.212	.000 8242	79	.272	.001 3688	103	.332	.002 0624	128
.213	.000 8321	79	.273	.001 3791	103	.333	.002 0752	130
.214	.000 8400	80	.274	.001 3894	104	.334	.002 0882	129
0.215	0.000 8480		0.275	0.001 3998		0.335	0.002 1011	
		80			105			130
.216	.000 8560	81	.276	.001 4103	104	.336	.002 1141	131
.217	.000 8641	81	.277	.001 4207	106	.337	.002 1272	131
.218	.000 8722	81	.278	.001 4313	105	.338	.002 1403	131
.219	.000 8803	82	.279	.001 4418	106	.339	.002 1534	132
0.220	0.000 8885		0.280	0.001 4524		0.340	0.002 1666	
		82			107			133
.221	.000 8967	83	.281	.001 4631	107	.341	.002 1799	132
.222	.000 9050	82	.282	.001 4738	107	.342	.002 1931	134
.223	.000 9132	84	.283	.001 4845	108	.343	.002 2065	133
.224	.000 9216	84	.284	.001 4953	108	.344	.002 2198	135
0.225	0.000 9300		0.285	0.001 5061		0.345	0.002 2333	
		84			108			134
.226	.000 9384	84	.286	.001 5169	109	.346	.002 2467	135
.227	.000 9468	85	.287	.001 5278	110	.347	.002 2602	136
.228	.000 9553	85	.288	.001 5388	109	.348	.002 2738	136
.229	.000 9638	86	.289	.001 5497	111	.349	.002 2874	136
0.230	0.000 9724		0.290	0.001 5608		0.350	0.002 3010	
		86			110			137
.231	.000 9810	87	.291	.001 5718	111	.351	.002 3147	137
.232	.000 9897	87	.292	.001 5829	112	.352	.002 3284	138
.233	.000 9984	87	.293	.001 5941	112	.353	.002 3422	138
.234	.001 0071	88	.294	.001 6053	112	.354	.002 3560	139
0.235	0.001 0159		0.295	0.001 6165		0.355	0.002 3699	
		88			113			139
.236	.001 0247	88	.296	.001 6278	113	.356	.002 3838	139
.237	.001 0335	89	.297	.001 6391	114	.357	.002 3977	140
.238	.001 0424	89	.298	.001 6505	114	.358	.002 4117	141
.239	.001 0513	90	.299	.001 6619	114	.359	.002 4258	141
0.240	0.001 0603		0.300	0.001 6733		0.360	0.002 4399	

Tafel X.

Enckes μ-Tafel.

ν	log μ	Diff.	ν	log μ	Diff.	ν	log μ	Diff.
0.360	0.002 4399		0.420	0.003 3720		0.480	0.004 4858	
		141			170			203
.361	.002 4540	142	.421	.003 3890	171	.481	.004 5061	202
.362	.002 4682	142	.422	.003 4061	171	.482	.004 5263	204
.363	.002 4824	143	.423	.003 4232	172	.483	.004 5467	203
.364	.002 4967	143	.424	.003 4404	172	.484	.004 5670	205
0.365	0.002 5110		0.425	0.003 4576		0.485	0.004 5875	
		144			173			205
.366	.002 5254	144	.426	.003 4749	174	.486	.004 6080	205
.367	.002 5398	145	.427	.003 4923	173	.487	.004 6285	207
.368	.002 5543	145	.428	.003 5096	175	.488	.004 6492	206
.369	.002 5688	146	.429	.003 5271	174	.489	.004 6698	208
0.370	0.002 5834		0.430	0.003 5445		0.490	0.004 6906	
		146			176			207
.371	.002 5980	146	.431	.003 5621	176	.491	.004 7113	209
.372	.002 6126	147	.432	.003 5797	176	.492	.004 7322	209
.373	.002 6273	148	.433	.003 5973	177	.493	.004 7531	209
.374	.002 6421	147	.434	.003 6150	177	.494	.004 7740	211
0.375	0.002 6568		0.435	0.003 6327		0.495	0.004 7951	
		149			178			210
.376	.002 6717	149	.436	.003 6505	178	.496	.004 8161	212
.377	.002 6866	149	.437	.003 6683	179	.497	.004 8373	212
.378	.002 7015	150	.438	.003 6862	180	.498	.004 8585	212
.379	.002 7165	150	.439	.003 7042	180	.499	.004 8797	213
0.380	0.002 7315		0.440	0.003 7222		0.500	0.004 9010	
		151			180			2163
.381	.002 7466	151	.441	.003 7402	181	.51	.005 1173	2224
.382	.002 7617	152	.442	.003 7583	182	.52	.005 3397	2284
.383	.002 7769	152	.443	.003 7765	182	.53	.005 5681	2348
.384	.002 7921	152	.444	.003 7947	183	.54	.005 8029	2412
0.385	0.002 8073		0.445	0.003 8130		0.55	0.006 0441	
		153			183			2478
.386	.002 8226	154	.446	.003 8313	183	.56	.006 2919	2545
.387	.002 8380	154	.447	.003 8496	184	.57	.006 5464	2615
.388	.002 8534	155	.448	.003 8680	185	.58	.006 8079	2686
.389	.002 8689	155	.449	.003 8865	185	.59	.007 0765	2760
0.390	0.002 8844		0.450	0.003 9050		0.60	0.007 3525	
		155			186			2836
.391	.002 8999	156	.451	.003 9236	186	.61	.007 6361	2913
.392	.002 9155	156	.452	.003 9422	187	.62	.007 9274	2994
.393	.002 9311	157	.453	.003 9609	188	.63	.008 2268	3077
.394	.002 9468	158	.454	.003 9797	187	.64	.008 5345	3163
0.395	0.002 9626		0.455	0.003 9984		0.65	0.008 8508	
		158			189			3251
.396	.002 9784	158	.456	.004 0173	189	.66	.009 1759	3344
.397	.002 9942	159	.457	.004 0362	189	.67	.009 5103	3439
.398	.003 0101	159	.458	.004 0551	190	.68	.009 8542	3539
.399	.003 0260	160	.459	.004 0741	191	.69	.010 2081	3642
0.400	0.003 0420		0.460	0.004 0932		0.70	0.010 5723	
		160			191			3750
.401	.003 0580	161	.461	.004 1123	192	.71	.010 9473	3863
.402	.003 0741	162	.462	.004 1315	192	.72	.011 3336	3980
.403	.003 0903	161	.463	.004 1507	193	.73	.011 7316	4103
.404	.003 1064	163	.464	.004 1700	193	.74	.012 1419	4233
0.405	0.003 1227		0.465	0.004 1893		0.75	0.012 5652	
		162			194			4370
.406	.003 1389	164	.466	.004 2087	194	.76	.013 0022	4514
.407	.003 1553	163	.467	.004 2281	195	.77	.013 4536	4666
.408	.003 1716	165	.468	.004 2476	196	.78	.013 9202	4829
.409	.003 1881	164	.469	.004 2672	196	.79	.014 4031	5002
0.410	0.003 2045		0.470	0.004 2868		0.80	0.014 9033	
		166			196			5186
.411	.003 2211	165	.471	.004 3064	197	.81	.015 4219	5384
.412	.003 2376	167	.472	.004 3261	198	.82	.015 9603	5599
.413	.003 2543	166	.473	.004 3459	198	.83	.016 5202	5831
.414	.003 2709	168	.474	.004 3657	199	.84	.017 1033	6087
0.415	0.003 2877		0.475	0.004 3856		0.85	0.017 7120	
		167			199			6366
.416	.003 3044	169	.476	.004 4055	200	.86	.018 3486	6679
.417	.003 3213	168	.477	.004 4255	201	.87	.019 0165	7030
.418	.003 3381	169	.478	.004 4456	201	.88	.019 7195	7434
.419	.003 3550	170	.479	.004 4657	201	.89	.020 4629	7900
0.420	0.003 3720		0.480	0.004 4858		0.90	0.021 2529	

Tafel XI.

Zur Berechnung des Verhältnisses $\frac{(\text{Dreieck})}{(\text{Sector})}$ in parabolischen Bahnen.

$$\nu = \frac{2k(t'-t)}{(r'+r)^{1/2}} = 2\sin{}^1\!/_2\varphi - {}^4\!/_3\sin{}^3\!/_2\varphi; \quad \eta = 3 - 4\frac{\sin{}^1\!/_2\varphi}{\nu} = \frac{3\cos\varphi}{2+\cos\varphi}.$$

ν	$\log\eta$	Diff.	ν	$\log\eta$	Diff.	ν	$\log\eta$	Diff.
0.000	0.0000000	1	0.060	9.9994776	176	0.120	9.9978951	356
1	9.9999999	5	1	4600	179	1	8595	359
2	9994	7	2	4421	182	2	8236	361
3	9987	10	3	4239	185	3	7875	365
4	9977	13	4	4054	188	4	7510	368
5	9964	16	5	3866	190	5	7142	371
6	9948	19	6	3676	194	6	6771	375
7	9929	22	7	3482	196	7	6396	377
8	9907	24	8	3286	200	8	6019	380
9	9883	28	9	3086	203	9	5639	384
0.010	9855	30	0.070	2883	205	0.130	5255	386
1	9825	33	1	2678	209	1	4869	390
2	9792	37	2	2469	211	2	4479	393
3	9755	39	3	2258	215	3	4086	396
4	9716	42	4	2043	217	4	3690	399
5	9674	45	5	1826	221	5	3291	402
6	9629	47	6	1605	223	6	2889	405
7	9582	51	7	1382	226	7	2484	408
8	9531	54	8	1156	229	8	2076	412
9	9477	56	9	0927	232	9	1664	415
0.020	9421	60	0.080	0695	235	0.140	1249	417
1	9361	62	1	0460	238	1	0832	421
2	9299	65	2	0222	241	2	0411	424
3	9234	68	3	9.9989981	244	3	9.9969987	427
4	9166	71	4	9737	247	4	9560	431
5	9095	74	5	9490	250	5	9129	433
6	9021	77	6	9240	253	6	8696	437
7	8944	80	7	8987	256	7	8259	440
8	8864	82	8	8731	259	8	7819	443
9	8782	86	9	8472	262	9	7376	446
0.030	8696	88	0.090	8210	265	0.150	6930	449
1	8608	91	1	7945	267	1	6481	452
2	8517	95	2	7678	271	2	6029	456
3	8422	97	3	7407	274	3	5573	459
4	8325	100	4	7133	277	4	5114	462
5	8225	103	5	6856	280	5	4652	465
6	8122	106	6	6576	283	6	4187	468
7	8016	108	7	6293	286	7	3719	472
8	7908	111	8	6007	289	8	3247	475
9	7797	115	9	5718	292	9	2772	478
0.040	7682	118	0.100	5426	295	0.160	2294	481
1	7564	121	1	5131	298	1	1813	484
2	7443	123	2	4833	301	2	1329	488
3	7320	126	3	4532	304	3	0841	491
4	7194	130	4	4228	307	4	0350	494
5	7064	132	5	3921	310	5	9.9959856	497
6	6932	135	6	3611	313	6	9359	500
7	6797	137	7	3298	316	7	8859	504
8	6660	141	8	2982	319	8	8355	507
9	6519	144	9	2663	322	9	7848	510
0.050	6375	147	0.110	2341	326	0.170	7338	514
1	6228	150	1	2015	328	1	6824	516
2	6078	152	2	1687	331	2	6308	520
3	5926	156	3	1356	335	3	5788	524
4	5770	158	4	1021	337	4	5264	526
5	5612	161	5	0684	341	5	4738	530
6	5451	165	6	0343	343	6	4208	533
7	5286	167	7	0000	346	7	3675	537
8	5119	170	8	9.9979654	350	8	3138	539
9	4949	173	9	9304	353	9	2599	543
0.060	4776		0.120	8951		0.180	2056	

Tafel XI.

Zur Berechnung des Verhältnisses $\frac{\text{(Dreieck)}}{\text{(Sector)}}$ in parabolischen Bahnen.

$$\nu = \frac{2k(t'-t)}{(r'+r)^{3/2}} = 2\sin{}^1\!/_2\,\varphi - {}^4\!/_3\sin{}^3\,{}^1\!/_2\,\varphi;\quad \eta = 3 - 4\,\frac{\sin{}^1\!/_2\varphi}{\nu} = \frac{3\cos\varphi}{2+\cos\varphi}.$$

ν	log η	Diff.	ν	log η	Diff.	ν	log η	Diff.
0.180	9.9952056	546	0.240	9.9913257	754	0.300	9.9861279	988
1	1510	550	1	2503	758	1	0291	992
2	0960	553	2	1745	761	2	9.9859299	996
3	0407	556	3	0984	765	3	8303	1000
4	9.9949851	559	4	0219	769	4	7303	1004
5	9292	563	5	9.9909450	772	5	6299	1009
6	8729	566	6	8678	776	6	5290	1012
7	8163	570	7	7902	780	7	4278	1017
8	7593	573	8	7122	784	8	3261	1021
9	7020	576	9	6338	787	9	2240	1026
0.190	6444	579	0.250	5551	791	0.310	1214	1030
1	5865	583	1	4760	794	1	0184	1034
2	5282	586	2	3966	799	2	9.9849150	1038
3	4696	590	3	3167	802	3	8112	1042
4	4106	592	4	2365	806	4	7070	1047
5	3514	597	5	1559	809	5	6023	1051
6	2917	600	6	0750	814	6	4972	1056
7	2317	603	7	9.9899936	817	7	3916	1060
8	1714	606	8	9119	821	8	2856	1064
9	1108	610	9	8298	825	9	1792	1069
0.200	0498	613	0.260	7473	828	0.320	0723	1073
1	9.9939885	617	1	6645	833	1	9.9839650	1077
2	9268	620	2	5812	836	2	8573	1082
3	8648	623	3	4976	840	3	7491	1086
4	8025	627	4	4136	844	4	6405	1091
5	7398	630	5	3292	847	5	5314	1095
6	6768	634	6	2445	852	6	4219	1099
7	6134	637	7	1593	855	7	3120	1104
8	5497	641	8	0738	859	8	2016	1108
9	4856	644	9	9.9889879	863	9	0908	1113
0.210	4212	647	0.270	9016	867	0.330	9.9829795	1117
1	3565	651	1	8149	871	1	8678	1122
2	2914	655	2	7278	875	2	7556	1127
3	2259	657	3	6903	879	3	6429	1131
4	1602	662	4	5524	882	4	5298	1135
5	0940	665	5	4642	887	5	4163	1140
6	0275	668	6	3755	890	6	3023	1145
7	9.9929607	672	7	2865	895	7	1878	1149
8	8935	675	8	1970	898	8	0729	1154
9	8260	679	9	1072	902	9	9.9819575	1158
0.220	7581	682	0.280	0170	906	0.340	8417	1163
1	6899	686	1	9.9879264	911	1	7254	1167
2	6213	690	2	8353	914	2	6087	1173
3	5523	693	3	7439	918	3	4914	1176
4	4830	696	4	6521	922	4	3738	1182
5	4134	700	5	5599	926	5	2556	1186
6	3434	704	6	4673	931	6	1370	1191
7	2730	707	7	3742	934	7	0179	1196
8	2023	711	8	2808	938	8	9.9808983	1200
9	1312	714	9	1870	943	9	7783	1206
0.230	0598	718	0.290	0927	946	0.350	6577	1209
1	9.9919880	721	1	9.9869981	951	1	5368	1215
2	9159	725	2	9030	954	2	4153	1219
3	8434	729	3	8076	959	3	2934	1224
4	7705	732	4	7117	963	4	1710	1229
5	6973	736	5	6154	966	5	0481	1234
6	6237	740	6	5188	972	6	9.9799247	1239
7	5497	743	7	4216	975	7	8008	1243
8	4754	747	8	3241	979	8	6765	1249
9	4007	750	9	2262	983	9	5516	1253
0.240	3257		0.300	1279		0.360	4263	

Tafel XI.

Zur Berechnung des Verhältnisses $\frac{(\text{Dreieck})}{(\text{Sector})}$ in parabolischen Bahnen.

$$\nu = \frac{2k(t'-t)}{(r'+r)^{3/2}} = 2\sin{}^1\!/_2\,\varphi - {}^4\!/_3\sin{}^3\,{}^1\!/_2\,\varphi;\ \eta = 3 - 4\frac{\sin{}^1\!/_2\,\varphi}{\nu} = \frac{3\cos\varphi}{2+\cos\varphi}.$$

ν	log η	Diff.	ν	log η	Diff.	ν	log η	Diff.
0.360	9.9794263	1258	0.420	9.9709544	1581	0.480	9.9603268	1983
1	3005	1263	1	7963	1588	1	1285	1991
2	1742	1268	2	6375	1594	2	9.9599294	1998
3	0474	1273	3	4781	1600	3	7296	2006
4	9.9789201	1277	4	3181	1605	4	5290	2013
5	7924	1283	5	1576	1612	5	3277	2021
6	6641	1288	6	9.9699964	1618	6	1256	2029
7	5353	1293	7	8346	1624	7	9.9589227	2036
8	4060	1298	8	6722	1630	8	7191	2044
9	2762	1302	9	5092	1637	9	5147	2052
0.370	1460	1308	0.430	3455	1642	0.490	3095	2060
1	0152	1313	1	1813	1649	1	1035	2068
2	9.9778839	1318	2	0164	1655	2	9.9578967	2076
3	7521	1323	3	9.9688509	1661	3	6891	2083
4	6198	1328	4	6848	1667	4	4808	2092
5	4870	1334	5	5181	1674	5	2716	2099
6	3536	1338	6	3507	1680	6	0617	2108
7	2198	1344	7	1827	1686	7	9.9568509	2115
8	0854	1348	8	0141	1693	8	6394	2124
9	9.9769506	1354	9	9.9678448	1699	9	4270	2132
0.380	8152	1359	0.440	6749	1705	0.500	2138	2140
1	6793	1365	1	5044	1712	1	9.9559998	2149
2	5428	1369	2	3332	1718	2	7849	2156
3	4059	1375	3	1614	1725	3	5693	2165
4	2684	1380	4	9.9669889	1731	4	3528	2173
5	1304	1386	5	8158	1738	5	1355	2182
6	9.9759918	1390	6	6420	1744	6	9.9549173	2190
7	8528	1396	7	4676	1751	7	6983	2198
8	7132	1401	8	2925	1757	8	4785	2207
9	5731	1407	9	1168	1764	9	2578	2216
0.390	4324	1412	0.450	9.9659404	1771	0.510	0362	2224
1	2912	1418	1	7633	1778	1	9.9538138	2232
2	1494	1422	2	5855	1784	2	5906	2242
3	0072	1429	3	4071	1791	3	3664	2250
4	9.9748643	1433	4	2280	1797	4	1414	2258
5	7210	1439	5	0483	1805	5	9.9529156	2268
6	5771	1445	6	9.9648678	1811	6	6888	2276
7	4326	1450	7	6867	1818	7	4612	2285
8	2876	1456	8	5049	1825	8	2327	2294
9	1420	1461	9	3224	1831	9	0033	2303
0.400	9.9739959	1467	0.460	1393	1839	0.520	9.9517730	2312
1	8492	1472	1	9.9639554	1846	1	5418	2321
2	7020	1478	2	7708	1852	2	3097	2330
3	5542	1483	3	5856	1860	3	0767	2339
4	4059	1489	4	3996	1866	4	9.9508428	2348
5	2570	1495	5	2130	1874	5	6080	2358
6	1075	1501	6	0256	1881	6	3722	2366
7	9.9729574	1506	7	9.9628375	1887	7	1356	2376
8	8068	1512	8	6488	1896	8	9.9498980	2385
9	6556	1517	9	4592	1902	9	6595	2395
0.410	5039	1523	0.470	2690	1909	0.530	4200	2404
1	3516	1529	1	0781	1917	1	1796	2414
2	1987	1535	2	9.9618864	1924	2	9.9489382	2421
3	0452	1541	3	6940	1931	3	6960	2433
4	9.9718911	1546	4	5009	1938	4	4527	2442
5	7365	1553	5	3071	1946	5	2085	2452
6	5812	1558	6	1125	1953	6	9.9479633	2461
7	4254	1564	7	9.9609172	1961	7	7172	2472
8	2690	1570	8	7211	1968	8	4700	2481
9	1120	1576	9	5243	1975	9	2219	2491
0.420	9.9709544		0.480	3268		0.540	9.9469728	

Tafel XI.

Zur Berechnung des Verhältnisses $\frac{\text{(Dreieck)}}{\text{(Sector)}}$ in parabolischen Bahnen.

$$\nu = \frac{2k(t'-t)}{(r'+r)^{3/2}} = 2\sin^1/_2\varphi - {}^4/_3\sin^3{}^1/_2\varphi;\quad \eta = 3 - 4\frac{\sin{}^1/_2\varphi}{\nu} = \frac{3\cos\varphi}{2+\cos\varphi}.$$

ν	log η	Diff.	ν	log η	Diff.	ν	log η	Diff.
0.540	9.9469728	2500	0.600	9.9300148	3202	0.660	9.9080219	4213
1	7228	2511	1	9.9296946	3216	1	9.9076006	4234
2	4717	2521	2	3730	3230	2	1772	4254
3	2196	2531	3	0500	3244	3	9.9067518	4276
4	9.9459665	2541	4	9.9287256	3258	4	3242	4296
5	7124	2550	5	3998	3272	5	9.9058946	4318
6	4574	2562	6	0726	3287	6	4628	4340
7	2012	2572	7	9.9277439	3301	7	0288	4361
8	9.9449440	2581	8	4138	3315	8	9.9045927	4383
9	6859	2592	9	0823	3329	9	1544	4404
0.550	4267	2602	0.610	9.9267494	3345	0.670	9.9037140	4427
1	1665	2613	1	4149	3359	1	2713	4449
2	9.9439052	2624	2	0790	3374	2	9.9028264	4472
3	6428	2634	3	9.9257416	3389	3	3792	4494
4	3794	2644	4	4027	3403	4	9.9019298	4517
5	1150	2656	5	0624	3419	5	4781	4540
6	9.9428494	2666	6	9.9247205	3434	6	0241	4563
7	5828	2677	7	3771	3450	7	9.9005678	4586
8	3151	2688	8	0321	3464	8	1092	4610
9	0463	2698	9	9.9236857	3480	9	9.8996482	4634
0.560	9.9417765	2710	0.620	3377	3496	0.680	1848	4658
1	5055	2721	1	9.9229881	3511	1	9.8987190	4682
2	2334	2731	2	6370	3528	2	2508	4706
3	9.9409603	2743	3	2842	3543	3	9.8977802	4730
4	6860	2754	4	9.9219299	3559	4	3072	4756
5	4106	2765	5	5740	3575	5	9.8968316	4780
6	1341	2777	6	2165	3591	6	3536	4805
7	9.9398564	2788	7	9.9208574	3608	7	9.8958731	4831
8	5776	2800	8	4966	3624	8	3900	4856
9	2976	2811	9	1342	3640	9	9.8949044	4881
0.570	0165	2822	0.630	9.9197702	3657	0.690	4163	4908
1	9.9387343	2834	1	4045	3674	1	9.8939255	4934
2	4509	2846	2	0371	3691	2	4321	4960
3	1663	2858	3	9.9186680	3708	3	9.8929361	4987
4	9.9378805	2870	4	8972	3725	4	4374	5014
5	5935	2881	5	9.9179847	3742	5	9.8919360	5040
6	3054	2893	6	5505	3759	6	4320	5068
7	0161	2906	7	1746	3776	7	9.8909252	5096
8	9.9367255	2917	8	9.9167970	3795	8	4156	5123
9	4338	2930	9	4175	3812	9	9.8899033	5151
0.580	1408	2942	0.640	0363	3829	0.700	3882	5180
1	9.9358466	2954	1	9.9156534	3848	1	9.8888702	5208
2	5512	2967	2	2686	3866	2	3494	5237
3	2545	2979	3	9.9148820	3883	3	9.8878257	5265
4	9.9349566	2992	4	4937	3902	4	2992	5295
5	6574	3004	5	1035	3921	5	9.8867697	5324
6	3570	3017	6	9.9137114	3939	6	2373	5354
7	0553	3029	7	3175	3958	7	9.8857019	5384
8	9.9337524	3043	8	9.9129217	3976	8	1635	5414
9	4481	3055	9	5241	3995	9	9.8846221	5445
0.590	1426	3068	0.650	1246	4015	0.710	0776	5476
1	9.9328358	3081	1	9.9117231	4034	1	9.8835300	5507
2	5277	3095	2	3197	4053	2	9.8829793	5538
3	2182	3107	3	9.9109144	4072	3	4255	5569
4	9.9319075	3121	4	5072	4093	4	9.8818686	5603
5	5954	3134	5	0979	4112	5	3083	5635
6	2820	3148	6	9.9096867	4131	6	9.8807448	5666
7	9.9309672	3161	7	2736	4152	7	1782	5700
8	6511	3175	8	9.9088584	4173	8	9.8796082	5733
9	3336	3188	9	4411	4192	9	0349	5766
0.600	0148		0.660	0219		0.720	9.8784583	

Tafel XI.

Zur Berechnung des Verhältnisses $\frac{\text{(Dreieck)}}{\text{(Sector)}}$ in parabolischen Bahnen.

$$\nu = \frac{2k(t'-t)}{(r'+r)^{3/2}} = 2\sin{}^1\!/_2\,\varphi - {}^4\!/_3 \sin^3{}^1\!/_2\,\varphi\,;\quad \eta = 3 - 4\,\frac{\sin{}^1\!/_2\,\varphi}{\nu} = \frac{3\cos\varphi}{2+\cos\varphi}.$$

ν	log η	Diff.	ν	log η	Diff.	ν	log η	Diff.
0.720	9.8784583	5801	0.780	9.8362172	8639	0.840	9.7685379	15052
1	78782	5834	1	53533	8705	1	70327	15226
2	72948	5868	2	44828	8772	2	55101	15405
3	67080	5903	3	36056	8840	3	39696	15588
4	61177	5939	4	27216	8910	4	24108	15773
5	55238	5974	5	9.8318306	8979	5	08335	15962
6	49264	6010	6	09327	9050	6	9.7592373	16058
7	43254	6046	7	00277	9121	7	76215	16355
8	37208	6082	8	9.8291156	9194	8	59860	16557
9	31126	6120	9	81962	9268	9	43303	16765
0.730	25006	6156	0.790	72694	9342	0.850	26538	16977
1	18850	6194	1	63352	9418	1	09561	17194
2	12656	6233	2	53934	9495	2	9.7492367	17415
3	06423	6271	3	44439	9572	3	74952	17642
4	00152	6309	4	34867	9652	4	57310	17874
5	9.8693843	6348	5	25215	9731	5	39436	18112
6	87495	6388	6	15484	9813	6	21324	18356
7	81107	6428	7	05671	9895	7	02968	18605
8	74679	6469	8	9.8195776	9979	8	9.7384363	18861
9	68210	6509	9	85797	10064	9	65502	19122
0.740	9.8661701	6550	0.800	75733	10150	0.860	46380	
1	55151	6592	1	65583	10237		η	
2	48559	6635	2	55346	10325	0.860	0.5427977	24181
3	41924	6676	3	45021	10416	1	5403796	24416
4	35248	6720	4	34605	10507	2	5379380	24653
5	28528	6763	5	24098	10599	3	5354727	24897
6	21765	6807	6	13499	10694	4	5329830	25144
7	14958	6851	7	02805	10790	5	5304686	25397
8	08107	6896	8	9.8092015	10886	6	5279289	25656
9	01211	6941	9	81129	10985	7	5253633	25919
0.750	9.8594270	6987	0.810	9.8070144	11086	8	5227714	26189
1	87283	7033	1	59058	11187	9	5201525	26465
2	80250	7080	2	47871	11290	0.870	0.5275060	26745
3	73170	7128	3	36581	11396	1	5148315	27033
4	66042	7175	4	25185	11502	2	5121282	27328
5	58867	7223	5	13683	11611	3	5093954	27628
6	51644	7273	6	02072	11722	4	5066326	27936
7	44371	7323	7	9.7990350	11833	5	5038390	28252
8	37048	7373	8	78517	11948	6	5010138	28575
9	29675	7423	9	66569	12064	7	4981563	28905
0.760	9.8522252	7474	0.820	54505	12182	8	4952658	29244
1	14778	7526	1	42323	12302	9	4923414	29591
2	07252	7579	2	30021	12424	0.880	0.4893823	29947
3	9.8499673	7632	3	17597	12548	1	4863876	30313
4	92041	7685	4	05049	12675	2	4833563	30687
5	84356	7739	5	9.7892374	12804	3	4802876	30972
6	76617	7795	6	79570	12935	4	4771804	31468
7	68822	7851	7	66635	13068	5	4740336	31874
8	60971	7906	8	53567	13204	6	4708462	32292
9	53065	7964	9	40363	13342	7	4676170	32720
0.770	45101	8023	0.830	27021	13484	8	4643450	33163
1	37078	8078	1	13537	13627	9	4610287	33619
2	29000	8138	2	9.7799910	13773	0.890	0.4576668	34086
3	20862	8199	3	86137	13923	1	4542582	34570
4	12663	8259	4	72214	14075	2	4508012	35068
5	04404	8320	5	58139	14229	3	4472944	35582
6	9.8396084	8383	6	43910	14388	4	4437362	36113
7	87701	8446	7	29522	14549	5	4401249	36661
8	79255	8509	8	14973	14713	6	4364588	37228
9	70746	8574	9	00260	14881	7	4327360	37815
0.780	9.8362172		0.840	9.7685379		8	4289545	38422
						9	4251123	39051
						0.900	0.4212072	

Tafel XI.

Zur Berechnung des Verhältnisses $\frac{\text{(Dreieck)}}{\text{(Sector)}}$ in parabolischen Bahnen.

$$\nu = \frac{2k(t'-t)}{(r'+r)^{3/2}} = 2\sin{}^1/_2\varphi - {}^4/_3\sin^3{}^1/_2\varphi\,; \quad \eta = 3 - 4\frac{\sin{}^1/_2\varphi}{\nu} = \frac{3\cos\varphi}{2+\cos\varphi}.$$

ν	η	Diff.	ν	η	Diff.	ν	η	Diff.
0.900	0.4212072	39704	0.910	0.3781032	47892	0.920	0.3247952	61338
1	4172368	40380	1	3733140	48930	1	3186614	63202
2	4131988	41084	2	3684210	50020	2	3123412	65204
3	4090904	41815	3	3634190	51168	3	3058208	67365
4	4049089	42575	4	3583022	52379	4	2990843	69705
5	4006514	43368	5	3530643	53658	5	2921138	72251
6	3963146	44195	6	3476985	55012	6	2848887	75033
7	3918951	45057	7	3421973	56447	7	2773854	78090
8	3873894	45959	8	3365526	57974	8	2695764	81470
9	3827935	46903	9	3307552	59600	9	2614294	85231
0.910	0.3781032		0.920	0.3247952		0.930	0.2529063	

Tafel XII.

Zur Berechnung des Verhältnisses $\frac{\text{(Sector)}}{\text{Dreieck}}$ in elliptischen Bahnen.

h	log η^2	h	log η^2	h	log η^2
0.0000	0.0000000	0.0060	0.0057298	0.0120	0.0113417
01	0965	61	8243	21	4343
02	1930	62	0.0059187	22	5268
03	2894	63	0.0060131	23	6193
04	3858	64	1075	24	7118
05	4821	65	2019	25	8043
06	5784	66	2962	26	8967
07	6747	67	3905	27	0.0119890
08	7710	68	4847	28	0.0120814
09	8672	69	5790	29	1737
10	0.0009634	70	6732	30	2660
11	0.0010595	71	7673	31	3582
12	1556	72	8614	32	4505
13	2517	73	0.0069555	33	5427
14	3478	74	0.0070496	34	6348
15	4438	75	1436	35	7269
16	5398	76	2376	36	8190
17	6357	77	3316	37	0.0129111
18	7316	78	4255	38	0.0130032
19	8275	79	5194	39	0952
20	0.0019234	80	6133	40	1871
21	0.0020192	81	7071	41	2791
22	1150	82	8009	42	3710
23	2107	83	8947	43	4629
24	3064	84	0.0079884	44	5547
25	4021	85	0.0080821	45	6465
26	4977	86	1758	46	7383
27	5933	87	2694	47	8301
28	6889	88	3630	48	0.0139218
29	7845	89	4566	49	0.0140135
30	8800	90	5502	50	1052
31	0.0029755	91	6437	51	1968
32	0.0030709	92	7372	52	2884
33	1663	93	8306	53	3800
34	2617	94	0.0089240	54	4716
35	3570	95	0.0090174	55	5631
36	4523	96	1108	56	6546
37	5476	97	2041	57	7460
38	6428	98	2974	58	8374
39	7380	0.0099	3906	59	0.0149288
40	8332	0.0100	4838	60	0.0150202
41	0.0039284	01	5770	61	1115
42	0.0040235	02	6702	62	2028
43	1186	03	7633	63	2941
44	2136	04	8564	64	3854
45	3086	05	0.0099495	65	4766
46	4036	06	0.0100425	66	5678
47	4985	07	1356	67	6589
48	5934	08	2285	68	7500
49	6883	09	3215	69	8411
50	7832	10	4144	70	0.0159322
51	8780	11	5073	71	0.0160232
52	0.0049728	12	6001	72	1142
53	0.0050675	13	6929	73	2052
54	1622	14	7857	74	2961
55	2569	15	8785	75	3870
56	3515	16	0.0109712	76	4779
57	4462	17	0.0110639	77	5688
58	5407	18	1565	78	6596
59	6353	19	2491	79	7504
0.0060	0.0057298	0.0120	0.0113417	0.0180	0.0168412

Tafel XII.

Zur Berechnung des Verhältnisses $\frac{\text{(Sector)}}{\text{Dreieck}}$ in elliptischen Bahnen.

h	$\log \eta^2$	h	$\log \eta^2$	h	$\log \eta^2$
0.0180	0.0168412	0.0240	0.0222330	0.0300	0.0275218
81	0.0169319	41	3220	01	6091
82	0.0170226	42	4109	02	6964
83	1133	43	4998	03	7836
84	2039	44	5887	04	8708
85	2945	45	6776	05	0.0279580
86	3851	46	7664	06	0.0280452
87	4757	47	8552	07	1323
88	5662	48	0.0229440	08	2194
89	6567	49	0.0230328	09	3065
90	7471	50	1215	10	3936
91	8376	51	2102	11	4806
92	0.0179280	52	2988	12	5676
93	0.0180183	53	3875	13	6546
94	1087	54	4761	14	7415
95	1990	55	5647	15	8284
96	2893	56	6532	16	0.0289153
97	3796	57	7417	17	0.0290022
98	4698	58	8302	18	0890
0.0199	5600	59	0.0239187	19	1758
0.0200	6501	60	0.0240071	20	2626
01	7403	61	0956	21	3494
02	8304	62	1839	22	4361
03	0.0189205	63	2723	23	5228
04	0.0190105	64	3606	24	6095
05	1005	65	4489	25	6961
06	1905	66	5372	26	7827
07	2805	67	6254	27	8693
08	3704	68	7136	28	0.0299559
09	4603	69	8018	29	0.0300424
10	5502	70	8900	30	1290
11	6401	71	0.0249781	31	2154
12	7299	72	0.0250662	32	3019
13	8197	73	1543	33	3883
14	9094	74	2423	34	4747
15	0.0199992	75	3303	35	5611
16	0.0200889	76	4183	36	6475
17	1785	77	5063	37	7338
18	2682	78	5942	38	8201
19	3578	79	6821	39	9064
20	4474	80	7700	40	0.0309926
21	5369	81	8579	41	0.0310788
22	6264	82	0.0259457	42	1650
23	7159	83	0.0260335	43	2512
24	8054	84	1213	44	3373
25	8948	85	2090	45	4234
26	0.0209842	86	2967	46	5095
27	0.0210736	87	3844	47	5956
28	1630	88	4721	48	6816
29	2523	89	5597	49	7676
30	3416	90	6473	50	8536
31	4309	91	7349	51	0.0319396
32	5201	92	8224	52	0.0320255
33	6093	93	9099	53	1114
34	6985	94	0.0269974	54	1973
35	7876	95	0.0270849	55	2831
36	8768	96	1723	56	3689
37	0.0219659	97	2597	57	4547
38	0.0220549	98	3471	58	5405
39	1440	0.0299	4345	59	6262
0.0240	0.0222330	0.0300	0.0275218	0.0360	0.0327120

Tafel XII.

Zur Berechnung des Verhältnisses $\frac{(\text{Sector})}{(\text{Dreieck})}$ in elliptischen Bahnen.

h	log η^2	h	log η^2	h	log η^2
0.0360	0.0327120	0.060	0.0525626	0.120	0.0968849
61	7976	0.061	33602	0.121	75692
62	8833	0.062	41556	0.122	82520
63	0.0329689	0.063	49488	0.123	89331
64	0.0330546	0.064	57397	0.124	0.0996127
65	1401	0.065	65285	0.125	0.1002907
66	2257	0.066	73150	0.126	09672
67	3112	0.067	80994	0.127	16421
68	3967	0.068	88817	0.128	23154
69	4822	0.069	0.0596618	0.129	29873
70	5677	0.070	0.0604398	0.130	36576
71	6531	0.071	12157	0.131	43264
72	7385	0.072	19895	0.132	49936
73	8239	0.073	27612	0.133	56594
74	9092	0.074	35308	0.134	63237
75	0.0339946	0.075	42984	0.135	69865
76	0.0340799	0.076	50639	0.136	76478
77	1651	0.077	58274	0.137	83076
78	2504	0.078	65888	0.138	89660
79	3356	0.079	73483	0.139	0.1096229
80	4208	0.080	81057	0.140	0.1102783
81	5059	0.081	88612	0.141	09323
82	5911	0.082	0.0696146	0.142	15849
83	6762	0.083	0.0703661	0.143	22360
84	7613	0.084	11157	0.144	28857
85	8464	0.085	18633	0.145	35340
86	0.0349314	0.086	26090	0.146	41809
87	0.0350164	0.087	33527	0.147	48264
88	1014	0.088	40945	0.148	54704
89	1864	0.089	48345	0.149	61131
90	2713	0.090	55725	0.150	67544
91	3562	0.091	63087	0.151	73943
92	4411	0.092	70430	0.152	80329
93	5259	0.093	77754	0.153	86701
94	6108	0.094	85060	0.154	93059
95	6956	0.095	92348	0.155	0.1199404
96	7804	0.096	0.0799617	0.156	0.1205735
97	8651	0.097	0.0806868	0.157	12053
98	0.0359499	0.098	14101	0.158	18357
0.0399	0.0360346	0.099	21316	0.159	24649
0.0400	0.0361192	0.100	28513	0.160	30927
0.041	0.0369646	0.101	35693	0.161	37192
0.042	78075	0.102	42854	0.162	43444
0.043	86478	0.103	49999	0.163	49682
0.044	0.0394856	0.104	57125	0.164	55908
0.045	0.0403209	0.105	64235	0.165	62121
0.046	11537	0.106	71327	0.166	68321
0.047	19841	0.107	78401	0.167	74508
0.048	28121	0.108	85459	0.168	80683
0.049	36376	0.109	92500	0.169	86845
0.050	44607	0.110	0.0899523	0.170	92994
0.051	52814	0.111	0.0906530	0.171	0.1299131
0.052	60997	0.112	13520	0.172	0.1305255
0.053	69157	0.113	20494	0.173	11367
0.054	77294	0.114	27451	0.174	17466
0.055	85407	0.115	34391	0.175	23553
0.056	0.0493496	0.116	41315	0.176	29628
0.057	0.0501563	0.117	48223	0.177	35690
0.058	09607	0.118	55114	0.178	41740
0.059	17628	0.119	61990	0.179	47778
0.060	25626	0.120	0.0968849	0.180	0.1353804

Tafel XII.

Zur Berechnung des Verhältnisses $\frac{(\text{Sector})}{\text{Dreieck}}$ in elliptischen Bahnen.

h	$\log \eta^2$	h	$\log \eta^2$	h	$\log \eta^2$
0.180	0.1353804	0.240	0.1695092	0.300	0.2002285
0.181	59818	0.241	0.1700470	0.301	07157
0.182	65821	0.242	05838	0.302	12021
0.183	71811	0.243	11197	0.303	16878
0.184	77789	0.244	16547	0.304	21727
0.185	83755	0.245	21887	0.305	26569
0.186	89710	0.246	27218	0.306	31403
0.187	0.1395653	0.247	32540	0.307	36230
0.188	0.1401585	0.248	37853	0.308	41050
0.189	07504	0.249	43156	0.309	45862
0.190	13412	0.250	48451	0.310	50667
0.191	19309	0.251	53736	0.311	55464
0.192	25194	0.252	59013	0.312	60254
0.193	31068	0.253	64280	0.313	65037
0.194	36931	0.254	69538	0.314	69813
0.195	42782	0.255	74788	0.315	74581
0.196	48622	0.256	80029	0.316	79342
0.197	54450	0.257	85261	0.317	84096
0.198	60268	0.258	90484	0.318	88843
0.199	66074	0.259	0.1795698	0.319	93582
0.200	71869	0.260	0.1800903	0.320	0.2098315
0.201	77653	0.261	06100	0.321	0.2103040
0.202	83427	0.262	11288	0.322	07759
0.203	89189	0.263	16467	0.323	12470
0.204	0.1494940	0.264	21638	0.324	17174
0.205	0.1500681	0.265	26800	0.325	21871
0.206	06411	0.266	31953	0.326	26562
0.207	12130	0.267	37098	0.327	31245
0.208	17838	0.268	42235	0.328	35921
0.209	23535	0.269	47363	0.329	40591
0.210	29222	0.270	52483	0.330	45253
0.211	34899	0.271	57594	0.331	49909
0.212	40565	0.272	62696	0.332	54558
0.213	46220	0.273	67791	0.333	59200
0.214	51865	0.274	72877	0.334	63835
0.215	57499	0.275	77955	0.335	68464
0.216	63123	0.276	83024	0.336	73085
0.217	68737	0.277	88085	0.337	77700
0.218	74340	0.278	93138	0.338	82308
0.219	79933	0.279	0.1898183	0.339	86910
0.220	85516	0.280	0.1903220	0.340	91505
0.221	91089	0.281	08249	0.341	0.2196093
0.222	0.1596652	0.282	13269	0.342	0.2200675
0.223	0.1602204	0.283	18281	0.343	05250
0.224	07747	0.284	23286	0.344	09818
0.225	13279	0.285	28282	0.345	14380
0.226	18802	0.286	33271	0.346	18935
0.227	24315	0.287	38251	0.347	23483
0.228	29817	0.288	43224	0.348	28025
0.229	35310	0.289	48188	0.349	32561
0.230	40793	0.290	53145	0.350	37090
0.231	46267	0.291	58094	0.351	41613
0.232	51730	0.292	63035	0.352	46130
0.233	57184	0.293	67968	0.353	50640
0.234	62628	0.294	72894	0.354	55143
0.235	68063	0.295	77811	0.355	59640
0.236	73488	0.296	82721	0.356	64131
0.237	78903	0.297	87624	0.357	68615
0.238	84309	0.298	92518	0.358	73093
0.239	89705	0.299	0.1997406	0.359	77565
0.240	0.1695092	0.300	0.2002285	0.360	0.2282031

Tafel XII.

Zur Berechnung des Verhältnisses $\frac{\text{(Sector)}}{\text{Dreieck}}$ in elliptischen Bahnen.

h	$\log \eta^2$	h	$\log \eta^2$	h	$\log \eta^2$
0.360	0.2282031	0.420	0.2539153	0.480	0.2777272
0.361	86490	0.421	43269	0.481	81096
0.362	90943	0.422	47379	0.482	84916
0.363	95390	0.423	51485	0.483	88732
0.364	0.2299831	0.424	55584	0.484	92543
0.365	0.2304265	0.425	59679	0.485	0.2796349
0.366	08694	0.426	63769	0.486	0.2800151
0.367	13116	0.427	67853	0.487	03949
0.368	17532	0.428	71932	0.488	07743
0.369	21942	0.429	76006	0.489	11532
0.370	26346	0.430	80075	0.490	15316
0.371	30743	0.431	84139	0.491	19096
0.372	35135	0.432	88198	0.492	22872
0.373	39521	0.433	92252	0.493	26644
0.374	43900	0.434	0.2596300	0.494	30411
0.375	48274	0.435	0.2600344	0.495	34173
0.376	52642	0.436	04382	0.496	37932
0.377	57003	0.437	08415	0.497	41686
0.378	61359	0.438	12444	0.498	45436
0.379	65709	0.439	16467	0.499	49181
0.380	70053	0.440	20486	0.500	52923
0.381	74391	0.441	24499	0.501	56660
0.382	78723	0.442	28507	0.502	60392
0.383	83050	0.443	32511	0.503	64121
0.384	87370	0.444	36509	0.504	67845
0.385	91685	0.445	40503	0.505	71565
0.386	0.2395993	0.446	44492	0.506	75281
0.387	0.2400296	0.447	48475	0.507	78992
0.388	04594	0.448	52454	0.508	82700
0.389	08885	0.449	56428	0.509	86403
0.390	13171	0.450	60397	0.510	90102
0.391	17451	0.451	64362	0.511	93797
0.392	21725	0.452	68321	0.512	0.2897487
0.393	25994	0.453	72276	0.513	0.2901174
0.394	30257	0.454	76226	0.514	04856
0.395	34514	0.455	80171	0.515	08535
0.396	38766	0.456	84111	0.516	12209
0.397	43012	0.457	88046	0.517	15879
0.398	47252	0.458	91977	0.518	19545
0.399	51487	0.459	95903	0.519	23207
0.400	55716	0.460	0.2699824	0.520	26864
0.401	59940	0.461	0.2703741	0.521	30518
0.402	64158	0.462	07652	0.522	34168
0.403	68371	0.463	11559	0.523	37813
0.404	72578	0.464	15462	0.524	41455
0.405	76779	0.465	19360	0.525	45092
0.406	80975	0.466	23253	0.526	48726
0.407	85166	0.467	27141	0.527	52355
0.408	89351	0.468	31025	0.528	55981
0.409	93531	0.469	34904	0.529	59602
0.410	0.2497705	0.470	38778	0.530	63220
0.411	0.2501874	0.471	42648	0.531	66833
0.412	06038	0.472	46513	0.532	70443
0.413	10196	0.473	50374	0.533	74049
0.414	14349	0.474	54230	0.534	77650
0.415	18496	0.475	58082	0.535	81248
0.416	22638	0.476	61929	0.536	84842
0.417	26775	0.477	65771	0.537	88432
0.418	30906	0.478	69609	0.538	92018
0.419	35032	0.479	73443	0.539	95600
0.420	0.2539153	0.480	0.2777272	0.540	0.2999178

Tafel XII.

Zur Berechnung des Verhältnisses $\frac{(\text{Sector})}{\text{Dreieck}}$ in elliptischen Bahnen.

h	$\log \eta^2$	h	$\log \eta^2$	h	$\log \eta^2$
0.540	0.2999178	0.560	0.3069938	0.580	0.3139215
0.541	0.3002752	0.561	73437	0.581	42641
0.542	06323	0.562	76931	0.582	46064
0.543	09889	0.563	80422	0.583	49483
0.544	13453	0.564	83910	0.584	52898
0.545	17011	0.565	87394	0.585	56310
0.546	20566	0.566	90874	0.586	59719
0.547	24117	0.567	94350	0.587	63124
0.548	27664	0.568	0.3097823	0.588	66525
0.549	31208	0.569	0.3101292	0.589	69923
0.550	34748	0.570	04758	0.590	73318
0.551	38284	0.571	08220	0.591	76709
0.552	41816	0.572	11678	0.592	80096
0.553	45344	0.573	15133	0.593	83481
0.554	48869	0.574	18584	0.594	86861
0.555	52390	0.575	22031	0.595	90239
0.556	55907	0.576	25475	0.596	93612
0.557	59420	0.577	28915	0.597	0.3196983
0.558	62930	0.578	32352	0.598	0.3200350
0.559	66436	0.579	35785	0.599	03714
0.560	0.3069938	0.580	0.3139215	0.600	0.3207074

Tafel XIII.

Ergänzungstafel zu Tafel XII.

w [1])	Ellipse ξ	Hyperbel ξ	w	Ellipse ξ	Hyperbel ξ
0.000	0.0000000	0.0000000	0.060	0.0002131	0.0001988
0.001	0001	0001	0.061	2204	2054
0.002	0002	0002	0.062	2278	2121
0.003	0005	0005	0.063	2354	2189
0.004	0009	0009	0.064	2431	2257
0.005	0014	0014	0.065	2509	2327
0.006	0021	0020	0.066	2588	2398
0.007	0028	0028	0.067	2669	2470
0.008	0037	0036	0.068	2751	2543
0.009	0047	0046	0.069	2834	2617
0.010	0057	0057	0.070	2918	2691
0.011	0070	0069	0.071	3004	2767
0.012	0083	0082	0.072	3091	2844
0.013	0097	0096	0.073	3180	2922
0.014	0113	0111	0.074	3269	3001
0.015	0130	0127	0.075	3360	3081
0.016	0148	0145	0.076	3453	3162
0.017	0167	0164	0.077	3546	3244
0.018	0187	0183	0.078	3641	3327
0.019	0209	0204	0.079	3738	3411
0.020	0231	0226	0.080	3835	3496
0.021	0255	0249	0.081	3934	3582
0.022	0280	0273	0.082	4034	3669
0.023	0306	0298	0.083	4136	3757
0.024	0334	0325	0.084	4239	3846
0.025	0362	0352	0.085	4343	3936
0.026	0392	0381	0.086	4448	4027
0.027	0423	0410	0.087	4555	4119
0.028	0455	0441	0.088	4663	4212
0.029	0489	0473	0.089	4773	4306
0.030	0523	0506	0.090	4884	4401
0.031	0559	0539	0.091	4996	4496
0.032	0596	0575	0.092	5109	4593
0.033	0634	0611	0.093	5224	4691
0.034	0674	0648	0.094	5341	4790
0.035	0714	0686	0.095	5458	4890
0.036	0756	0726	0.096	5577	4991
0.037	0799	0766	0.097	5697	5092
0.038	0844	0807	0.098	5819	5195
0.039	0889	0850	0.099	5942	5299
0.040	0936	0894	0.100	6066	5403
0.041	0984	0938	0.101	6192	5509
0.042	1033	0984	0.102	6319	5616
0.043	1084	1031	0.103	6448	5723
0.044	1135	1079	0.104	6578	5832
0.045	1188	1128	0.105	6709	5941
0.046	1242	1178	0.106	6842	6052
0.047	1298	1229	0.107	6976	6163
0.048	1354	1281	0.108	7111	6275
0.049	1412	1334	0.109	7248	6389
0.050	1471	1389	0.110	7386	6503
0.051	1532	1444	0.111	7526	6618
0.052	1593	1500	0.112	7667	6734
0.053	1656	1558	0.113	7809	6851
0.054	1720	1616	0.114	7953	6969
0.055	1785	1675	0.115	8098	7088
0.056	1852	1736	0.116	8245	7208
0.057	1920	1798	0.117	8393	7329
0.058	1989	1860	0.118	8542	7451
0.059	2060	1924	0.119	8693	7574
0.060	0.0002131	0.0001988	0.120	0.0008845	0.0007698

[1]) w ist für die Ellipse positiv, für die Hyperbel negativ.

Tafel XIII.

Ergänzungstafel zu Tafel XII.

w	Ellipse ξ	Hyperbel ξ	w	Ellipse ξ	Hyperbel ξ
0.120	0.0008845	0.0007698	0.180	0.0020685	0.0016782
0.121	8999	7822	0.181	0929	6960
0.122	9154	7948	0.182	1175	7139
0.123	9311	8074	0.183	1422	7319
0.124	9469	8202	0.184	1671	7500
0.125	9628	8330	0.185	1922	7681
0.126	9789	8459	0.186	2174	7864
0.127	0.0009951	8590	0.187	2428	8047
0.128	0.0010115	8721	0.188	2683	8231
0.129	0280	8853	0.189	2941	8416
0.130	0447	8986	0.190	3199	8602
0.131	0615	9120	0.191	3460	8789
0.132	0784	9255	0.192	3722	8976
0.133	0955	9390	0.193	3985	9165
0.134	1128	9527	0.194	4251	9354
0.135	1301	9665	0.195	4518	9544
0.136	1477	9803	0.196	4786	9735
0.137	1654	0.0009943	0.197	5056	0.0019926
0.138	1832	0.0010083	0.198	5328	0.0020119
0.139	2012	0224	0.199	5602	0312
0.140	2193	0366	0.200	5877	0507
0.141	2376	0509	0.201	6154	0702
0.142	2560	0653	0.202	6433	0897
0.143	2745	0798	0.203	6713	1094
0.144	2933	0944	0.204	6995	1292
0.145	3121	1091	0.205	7278	1490
0.146	3311	1238	0.206	7564	1689
0.147	3503	1387	0.207	7851	1889
0.148	3696	1536	0.208	8139	2090
0.149	3891	1686	0.209	8429	2291
0.150	4087	1838	0.210	8722	2494
0.151	4285	1990	0.211	9015	2697
0.152	4484	2143	0.212	9311	2901
0.153	4684	2296	0.213	9608	3106
0.154	4886	2451	0.214	0.0029907	3311
0.155	5090	2607	0.215	0.0030207	3518
0.156	5295	2763	0.216	0509	3725
0.157	5502	2921	0.217	0814	3932
0.158	5710	3079	0.218	1119	4142
0.159	5920	3238	0.219	1427	4352
0.160	6131	3398	0.220	1736	4562
0.161	6344	3559	0.221	2047	4774
0.162	6559	3721	0.222	2359	4986
0.163	6775	3883	0.223	2674	5199
0.164	6992	4047	0.224	2990	5412
0.165	7211	4211	0.225	3308	5627
0.166	7432	4377	0.226	3627	5842
0.167	7654	4543	0.227	3949	6058
0.168	7878	4710	0.228	4272	6275
0.169	8103	4878	0.229	4597	6493
0.170	8330	5047	0.230	4924	6711
0.171	8558	5216	0.231	5252	6931
0.172	8788	5387	0.232	5582	7151
0.173	9020	5558	0.233	5914	7371
0.174	9253	5730	0.234	6248	7593
0.175	9487	5903	0.235	6584	7816
0.176	9724	6077	0.236	6921	8039
0.177	0.0019961	6252	0.237	7260	8263
0.178	0.0020201	6428	0.238	7601	8487
0.179	0442	6604	0.239	7944	8713
0.180	0.0020685	0.0016782	0.240	0.0038289	0.0028939

Tafel XIII.

Ergänzungstafel zu Tafel XII.

w	Ellipse ξ	Hyperbel ξ	w	Ellipse ξ	Hyperbel ξ
0.240	0.0038289	0.0028939	0.270	0.0049485	0.0036087
0.241	8635	9166	0.271	0.0049888	6337
0.242	8983	9394	0.272	0.0050292	6587
0.243	9333	9623	0.273	0699	6839
0.244	0.0039685	0.0029852	0.274	1107	7091
0.245	0.0040039	0.0030083	0.275	1517	7344
0.246	0394	0314	0.276	1930	7598
0.247	0752	0545	0.277	2344	7852
0.248	1111	0778	0.278	2760	8107
0.249	1472	1001	0.279	3178	8363
0.250	1835	1245	0.280	3598	8620
0.251	2199	1480	0.281	4020	8877
0.252	2566	1716	0.282	4444	9135
0.253	2934	1952	0.283	4870	9394
0.254	3305	2189	0.284	5298	9654
0.255	3677	2427	0.285	5728	0.0039914
0.256	4051	2666	0.286	6160	0.0040175
0.257	4427	2905	0.287	6594	0437
0.258	4804	3146	0.288	7030	0700
0.259	5184	3387	0.289	7468	0963
0.260	5566	3628	0.290	7908	1227
0.261	5949	3871	0.291	8350	1491
0.262	6334	4114	0.292	8795	1757
0.263	6721	4358	0.293	9241	2023
0.264	7111	4603	0.294	0.0059689	2290
0.265	7502	4848	0.295	0.0060139	2557
0.266	7894	5094	0.296	0591	2826
0.267	8289	5341	0.297	1045	3095
0.268	8686	5589	0.298	1502	3364
0.269	9085	5838	0.299	1960	3635
0.270	0.0049485	0.0036087	0.300	0.0062420	0.0043906

Tafel XIV.

Oppolzer's *N*-Tafel.

$\log \{N_1^3(n)\}$.

$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$
0.000	$9_n221\ 849$		0.050	$9_n218\ 579$		0.100	$9_n208\ 620$		0.150	$9_n191\ 497$		0.200	$9_n166\ 331$	
		2			132			270			420			594
0.001	$9_n221\ 847$		0.051	$9_n218\ 447$		0.101	$9_n208\ 350$		0.151	$9_n191\ 077$		0.201	$9_n165\ 737$	
		4			136			273			424			598
0.002	$9_n221\ 843$		0.052	$9_n218\ 311$		0.102	$9_n208\ 077$		0.152	$9_n190\ 653$		0.202	$9_n165\ 139$	
		6			138			275			427			601
0.003	$9_n221\ 837$		0.053	$9_n218\ 173$		0.103	$9_n207\ 802$		0.153	$9_n190\ 226$		0.203	$9_n164\ 538$	
		9			140			279			431			606
0.004	$9_n221\ 828$		0.054	$9_n218\ 033$		0.104	$9_n207\ 523$		0.154	$9_n189\ 795$		0.204	$9_n163\ 932$	
		12			144			282			433			609
0.005	$9_n221\ 816$		0.055	$9_n217\ 889$		0.105	$9_n207\ 241$		0.155	$9_n189\ 362$		0.205	$9_n163\ 323$	
		14			146			284			437			613
0.006	$9_n221\ 802$		0.056	$9_n217\ 743$		0.106	$9_n206\ 957$		0.156	$9_n188\ 925$		0.206	$9_n162\ 710$	
		17			148			287			441			617
0.007	$9_n221\ 785$		0.057	$9_n217\ 595$		0.107	$9_n206\ 670$		0.157	$9_n188\ 484$		0.207	$9_n162\ 093$	
		20			151			290			443			621
0.008	$9_n221\ 765$		0.058	$9_n217\ 444$		0.108	$9_n206\ 380$		0.158	$9_n188\ 041$		0.208	$9_n161\ 472$	
		22			154			293			447			625
0.009	$9_n221\ 743$		0.059	$9_n217\ 290$		0.109	$9_n206\ 087$		0.159	$9_n187\ 594$		0.209	$9_n160\ 847$	
		25			157			296			450			629
0.010	$9_n221\ 718$		0.060	$9_n217\ 133$		0.110	$9_n205\ 791$		0.160	$9_n187\ 144$		0.210	$9_n160\ 218$	
		27			160			299			453			632
0.011	$9_n221\ 691$		0.061	$9_n216\ 973$		0.111	$9_n205\ 492$		0.161	$9_n186\ 691$		0.211	$9_n159\ 586$	
		30			162			302			456			637
0.012	$9_n221\ 661$		0.062	$9_n216\ 811$		0.112	$9_n205\ 190$		0.162	$9_n186\ 235$		0.212	$9_n158\ 949$	
		33			164			305			460			640
0.013	$9_n221\ 628$		0.063	$9_n216\ 647$		0.113	$9_n204\ 885$		0.163	$9_n185\ 775$		0.213	$9_n158\ 309$	
		35			168			307			463			645
0.014	$9_n221\ 593$		0.064	$9_n216\ 479$		0.114	$9_n204\ 578$		0.164	$9_n185\ 312$		0.214	$9_n157\ 664$	
		38			170			311			467			648
0.015	$9_n221\ 555$		0.065	$9_n216\ 309$		0.115	$9_n204\ 267$		0.165	$9_n184\ 845$		0.215	$9_n157\ 016$	
		40			173			314			470			653
0.016	$9_n221\ 515$		0.066	$9_n216\ 136$		0.116	$9_n203\ 953$		0.166	$9_n184\ 375$		0.216	$9_n156\ 363$	
		43			176			316			473			656
0.017	$9_n221\ 472$		0.067	$9_n215\ 960$		0.117	$9_n203\ 637$		0.167	$9_n183\ 902$		0.217	$9_n155\ 707$	
		46			178			319			477			661
0.018	$9_n221\ 426$		0.068	$9_n215\ 782$		0.118	$9_n203\ 318$		0.168	$9_n183\ 425$		0.218	$9_n155\ 046$	
		48			181			323			480			664
0.019	$9_n221\ 378$		0.069	$9_n215\ 601$		0.119	$9_n202\ 995$		0.169	$9_n182\ 945$		0.219	$9_n154\ 382$	
		51			184			325			483			669
0.020	$9_n221\ 327$		0.070	$9_n215\ 417$		0.120	$9_n202\ 670$		0.170	$9_n182\ 462$		0.220	$9_n153\ 713$	
		53			186			328			487			673
0.021	$9_n221\ 274$		0.071	$9_n215\ 231$		0.121	$9_n202\ 342$		0.171	$9_n181\ 975$		0.221	$9_n153\ 040$	
		56			189			332			490			676
0.022	$9_n221\ 218$		0.072	$9_n215\ 042$		0.122	$9_n202\ 010$		0.172	$9_n181\ 485$		0.222	$9_n152\ 364$	
		59			192			334			493			681
0.023	$9_n221\ 159$		0.073	$9_n214\ 850$		0.123	$9_n201\ 676$		0.173	$9_n180\ 992$		0.223	$9_n151\ 683$	
		61			195			337			497			685
0.024	$9_n221\ 098$		0.074	$9_n214\ 655$		0.124	$9_n201\ 339$		0.174	$9_n180\ 495$		0.224	$9_n150\ 998$	
		64			198			340			501			689
0.025	$9_n221\ 034$		0.075	$9_n214\ 457$		0.125	$9_n200\ 999$		0.175	$9_n179\ 994$		0.225	$9_n150\ 309$	
		67			200			344			504			694
0.026	$9_n220\ 967$		0.076	$9_n214\ 257$		0.126	$9_n200\ 655$		0.176	$9_n179\ 490$		0.226	$9_n149\ 615$	
		69			203			346			507			697
0.027	$9_n220\ 898$		0.077	$9_n214\ 054$		0.127	$9_n200\ 309$		0.177	$9_n178\ 983$		0.227	$9_n148\ 918$	
		72			205			349			511			702
0.028	$9_n220\ 826$		0.078	$9_n213\ 849$		0.128	$9_n199\ 960$		0.178	$9_n178\ 472$		0.228	$9_n148\ 216$	
		74			209			353			514			706
0.029	$9_n220\ 752$		0.079	$9_n213\ 640$		0.129	$9_n199\ 607$		0.179	$9_n177\ 958$		0.229	$9_n147\ 510$	
		77			211			355			518			710
0.030	$9_n220\ 675$		0.080	$9_n213\ 429$		0.130	$9_n199\ 252$		0.180	$9_n177\ 440$		0.230	$9_n146\ 800$	
		80			214			358			521			715
0.031	$9_n220\ 595$		0.081	$9_n213\ 215$		0.131	$9_n198\ 894$		0.181	$9_n176\ 919$		0.231	$9_n146\ 085$	
		82			216			362			525			719
0.032	$9_n220\ 513$		0.082	$9_n212\ 999$		0.132	$9_n198\ 532$		0.182	$9_n176\ 394$		0.232	$9_n145\ 366$	
		85			220			364			528			723
0.033	$9_n220\ 428$		0.083	$9_n212\ 779$		0.133	$9_n198\ 168$		0.183	$9_n175\ 866$		0.233	$9_n144\ 643$	
		88			222			368			532			727
0.034	$9_n220\ 340$		0.084	$9_n212\ 557$		0.134	$9_n197\ 800$		0.184	$9_n175\ 334$		0.234	$9_n143\ 916$	
		90			225			370			536			732
0.035	$9_n220\ 250$		0.085	$9_n212\ 332$		0.135	$9_n197\ 430$		0.185	$9_n174\ 798$		0.235	$9_n143\ 184$	
		93			228			374			539			736
0.036	$9_n220\ 157$		0.086	$9_n212\ 104$		0.136	$9_n197\ 056$		0.186	$9_n174\ 259$		0.236	$9_n142\ 448$	
		96			231			377			542			741
0.037	$9_n220\ 061$		0.087	$9_n211\ 873$		0.137	$9_n196\ 679$		0.187	$9_n173\ 717$		0.237	$9_n141\ 707$	
		98			233			379			546			745
0.038	$9_n219\ 963$		0.088	$9_n211\ 640$		0.138	$9_n196\ 300$		0.188	$9_n173\ 171$		0.238	$9_n140\ 962$	
		101			236			383			550			749
0.039	$9_n219\ 862$		0.089	$9_n211\ 404$		0.139	$9_n195\ 917$		0.189	$9_n172\ 621$		0.239	$9_n140\ 213$	
		103			239			386			554			754
0.040	$9_n219\ 759$		0.090	$9_n211\ 165$		0.140	$9_n195\ 531$		0.190	$9_n172\ 067$		0.240	$9_n139\ 459$	
		106			242			390			557			758
0.041	$9_n219\ 653$		0.091	$9_n210\ 923$		0.141	$9_n195\ 141$		0.191	$9_n171\ 510$		0.241	$9_n138\ 701$	
		109			244			392			560			763
0.042	$9_n219\ 544$		0.092	$9_n210\ 679$		0.142	$9_n194\ 749$		0.192	$9_n170\ 950$		0.242	$9_n137\ 938$	
		111			248			395			565			767
0.043	$9_n219\ 433$		0.093	$9_n210\ 431$		0.143	$9_n194\ 354$		0.193	$9_n170\ 385$		0.243	$9_n137\ 171$	
		114			250			399			568			772
0.044	$9_n219\ 319$		0.094	$9_n210\ 181$		0.144	$9_n193\ 955$		0.194	$9_n169\ 817$		0.244	$9_n136\ 399$	
		117			253			402			571			776
0.045	$9_n219\ 202$		0.095	$9_n209\ 928$		0.145	$9_n193\ 553$		0.195	$9_n169\ 246$		0.245	$9_n135\ 623$	
		119			256			405			576			781
0.046	$9_n219\ 083$		0.096	$9_n209\ 672$		0.146	$9_n193\ 148$		0.196	$9_n168\ 670$		0.246	$9_n134\ 842$	
		122			259			408			579			786
0.047	$9_n218\ 961$		0.097	$9_n209\ 413$		0.147	$9_n192\ 740$		0.197	$9_n168\ 091$		0.247	$9_n134\ 056$	
		125			261			411			583			790
0.048	$9_n218\ 836$		0.098	$9_n209\ 152$		0.148	$9_n192\ 329$		0.198	$9_n167\ 508$		0.248	$9_n133\ 266$	
		127			264			414			586			795
0.049	$9_n218\ 709$		0.099	$9_n208\ 888$		0.149	$9_n191\ 915$		0.199	$9_n166\ 922$		0.249	$9_n132\ 471$	
		130			268			418			591			799
0.050	$9_n218\ 579$		0.100	$9_n208\ 620$		0.150	$9_n191\ 497$		0.200	$9_n166\ 331$		0.250	$9_n131\ 672$	

Tafel XIV.

Oppolzer's *N*-Tafel.

$\log \{N_1^4(n)\}$.

$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$+n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$
0.000	$8_n920\ 819$		0.050	$8_n918\ 642$		0.100	$8_n912\ 045$		0.150	$8_n900\ 822$		0.200	$8_n884\ 607$	
		1			88			178			274			379
0.001	$8_n920\ 818$		0.051	$8_n918\ 554$		0.101	$8_n911\ 867$		0.151	$8_n900\ 548$		0.201	$8_n884\ 228$	
		3			90			180			276			381
0.002	$8_n920\ 815$		0.052	$8_n918\ 464$		0.102	$8_n911\ 687$		0.152	$8_n900\ 272$		0.202	$8_n883\ 847$	
		4			92			182			277			383
0.003	$8_n920\ 811$		0.053	$8_n918\ 372$		0.103	$8_n911\ 505$		0.153	$8_n899\ 995$		0.203	$8_n883\ 464$	
		6			93			184			280			386
0.004	$8_n920\ 805$		0.054	$8_n918\ 279$		0.104	$8_n911\ 321$		0.154	$8_n899\ 715$		0.204	$8_n883\ 078$	
		8			96			186			282			387
0.005	$8_n920\ 797$		0.055	$8_n918\ 183$		0.105	$8_n911\ 135$		0.155	$8_n899\ 433$		0.205	$8_n882\ 691$	
		10			97			187			284			390
0.006	$8_n920\ 787$		0.056	$8_n918\ 086$		0.106	$8_n910\ 948$		0.156	$8_n899\ 149$		0.206	$8_n882\ 301$	
		11			98			189			286			392
0.007	$8_n920\ 776$		0.057	$8_n917\ 988$		0.107	$8_n910\ 759$		0.157	$8_n898\ 863$		0.207	$8_n881\ 909$	
		13			101			191			288			395
0.008	$8_n920\ 763$		0.058	$8_n917\ 887$		0.108	$8_n910\ 568$		0.158	$8_n898\ 575$		0.208	$8_n881\ 514$	
		15			102			193			290			397
0.009	$8_n920\ 748$		0.059	$8_n917\ 785$		0.109	$8_n910\ 375$		0.159	$8_n898\ 285$		0.209	$8_n881\ 117$	
		16			104			195			292			399
0.010	$8_n920\ 732$		0.060	$8_n917\ 681$		0.110	$8_n910\ 180$		0.160	$8_n897\ 993$		0.210	$8_n880\ 718$	
		18			106			197			294			401
0.011	$8_n920\ 714$		0.061	$8_n917\ 575$		0.111	$8_n909\ 983$		0.161	$8_n897\ 699$		0.211	$8_n880\ 317$	
		20			108			199			296			403
0.012	$8_n920\ 694$		0.062	$8_n917\ 467$		0.112	$8_n909\ 784$		0.162	$8_n897\ 403$		0.212	$8_n879\ 914$	
		22			109			200			298			406
0.013	$8_n920\ 672$		0.063	$8_n917\ 358$		0.113	$8_n909\ 584$		0.163	$8_n897\ 105$		0.213	$8_n879\ 508$	
		24			112			203			300			408
0.014	$8_n920\ 648$		0.064	$8_n917\ 246$		0.114	$8_n909\ 381$		0.164	$8_n896\ 805$		0.214	$8_n879\ 100$	
		25			113			204			302			411
0.015	$8_n920\ 623$		0.065	$8_n917\ 133$		0.115	$8_n909\ 177$		0.165	$8_n896\ 503$		0.215	$8_n878\ 689$	
		27			114			206			304			412
0.016	$8_n920\ 596$		0.066	$8_n917\ 019$		0.116	$8_n908\ 971$		0.166	$8_n896\ 199$		0.216	$8_n878\ 277$	
		28			117			208			306			415
0.017	$8_n920\ 568$		0.067	$8_n916\ 902$		0.117	$8_n908\ 763$		0.167	$8_n895\ 893$		0.217	$8_n877\ 862$	
		31			118			210			308			418
0.018	$8_n920\ 537$		0.068	$8_n916\ 784$		0.118	$8_n908\ 553$		0.168	$8_n895\ 585$		0.218	$8_n877\ 444$	
		32			120			212			311			419
0.019	$8_n920\ 505$		0.069	$8_n916\ 664$		0.119	$8_n908\ 341$		0.169	$8_n895\ 274$		0.219	$8_n877\ 025$	
		34			122			214			312			422
0.020	$8_n920\ 471$		0.070	$8_n916\ 542$		0.120	$8_n908\ 127$		0.170	$8_n894\ 962$		0.220	$8_n876\ 603$	
		35			124			215			315			425
0.021	$8_n920\ 436$		0.071	$8_n916\ 418$		0.121	$8_n907\ 912$		0.171	$8_n894\ 647$		0.221	$8_n876\ 178$	
		38			126			218			316			426
0.022	$8_n920\ 398$		0.072	$8_n916\ 292$		0.122	$8_n907\ 694$		0.172	$8_n894\ 331$		0.222	$8_n875\ 752$	
		39			127			219			319			429
0.023	$8_n920\ 359$		0.073	$8_n916\ 165$		0.123	$8_n907\ 475$		0.173	$8_n894\ 012$		0.223	$8_n875\ 323$	
		41			129			221			320			432
0.024	$8_n920\ 318$		0.074	$8_n916\ 036$		0.124	$8_n907\ 254$		0.174	$8_n893\ 692$		0.224	$8_n874\ 891$	
		42			131			224			323			433
0.025	$8_n920\ 276$		0.075	$8_n915\ 905$		0.125	$8_n907\ 030$		0.175	$8_n893\ 369$		0.225	$8_n874\ 458$	
		45			132			225			325			436
0.026	$8_n920\ 231$		0.076	$8_n915\ 773$		0.126	$8_n906\ 805$		0.176	$8_n893\ 044$		0.226	$8_n874\ 022$	
		46			135			227			327			439
0.027	$8_n920\ 185$		0.077	$8_n915\ 638$		0.127	$8_n906\ 578$		0.177	$8_n892\ 717$		0.227	$8_n873\ 583$	
		48			136			229			329			441
0.028	$8_n920\ 137$		0.078	$8_n915\ 502$		0.128	$8_n906\ 349$		0.178	$8_n892\ 388$		0.228	$8_n873\ 142$	
		49			138			230			331			443
0.029	$8_n920\ 088$		0.079	$8_n915\ 364$		0.129	$8_n906\ 119$		0.179	$8_n892\ 057$		0.229	$8_n872\ 699$	
		52			140			233			334			446
0.030	$8_n920\ 036$		0.080	$8_n915\ 224$		0.130	$8_n905\ 886$		0.180	$8_n891\ 723$		0.230	$8_n872\ 253$	
		53			142			235			335			448
0.031	$8_n919\ 983$		0.081	$8_n915\ 082$		0.131	$8_n905\ 651$		0.181	$8_n891\ 388$		0.231	$8_n871\ 805$	
		55			143			237			338			450
0.032	$8_n919\ 928$		0.082	$8_n914\ 939$		0.132	$8_n905\ 414$		0.182	$8_n891\ 050$		0.232	$8_n871\ 355$	
		56			146			238			339			453
0.033	$8_n919\ 872$		0.083	$8_n914\ 793$		0.133	$8_n905\ 176$		0.183	$8_n890\ 711$		0.233	$8_n870\ 902$	
		58			147			241			342			455
0.034	$8_n919\ 814$		0.084	$8_n914\ 646$		0.134	$8_n904\ 935$		0.184	$8_n890\ 369$		0.234	$8_n870\ 447$	
		60			149			242			344			458
0.035	$8_n919\ 754$		0.085	$8_n914\ 497$		0.135	$8_n904\ 693$		0.185	$8_n890\ 025$		0.235	$8_n869\ 989$	
		62			150			244			346			460
0.036	$8_n919\ 692$		0.086	$8_n914\ 347$		0.136	$8_n904\ 449$		0.186	$8_n889\ 679$		0.236	$8_n869\ 529$	
		64			153			247			348			463
0.037	$8_n919\ 628$		0.087	$8_n914\ 194$		0.137	$8_n904\ 202$		0.187	$8_n889\ 331$		0.237	$8_n869\ 066$	
		65			154			248			351			465
0.038	$8_n919\ 563$		0.088	$8_n914\ 040$		0.138	$8_n903\ 954$		0.188	$8_n888\ 980$		0.238	$8_n868\ 601$	
		67			156			250			352			467
0.039	$8_n919\ 496$		0.089	$8_n913\ 884$		0.139	$8_n903\ 704$		0.189	$8_n888\ 628$		0.239	$8_n868\ 134$	
		69			158			252			355			470
0.040	$8_n919\ 427$		0.090	$8_n913\ 726$		0.140	$8_n903\ 452$		0.190	$8_n888\ 273$		0.240	$8_n867\ 664$	
		71			160			254			357			473
0.041	$8_n919\ 356$		0.091	$8_n913\ 566$		0.141	$8_n903\ 198$		0.191	$8_n887\ 916$		0.241	$8_n867\ 191$	
		72			162			256			359			475
0.042	$8_n919\ 284$		0.092	$8_n913\ 404$		0.142	$8_n902\ 942$		0.192	$8_n887\ 557$		0.242	$8_n866\ 716$	
		74			163			258			361			477
0.043	$8_n919\ 210$		0.093	$8_n913\ 241$		0.143	$8_n902\ 684$		0.193	$8_n887\ 196$		0.243	$8_n866\ 239$	
		76			166			260			363			480
0.044	$8_n919\ 134$		0.094	$8_n913\ 075$		0.144	$8_n902\ 424$		0.194	$8_n886\ 833$		0.244	$8_n865\ 759$	
		78			167			262			366			482
0.045	$8_n919\ 056$		0.095	$8_n912\ 908$		0.145	$8_n902\ 162$		0.195	$8_n886\ 467$		0.245	$8_n865\ 277$	
		79			169			264			367			485
0.046	$8_n918\ 977$		0.096	$8_n912\ 739$		0.146	$8_n901\ 898$		0.196	$8_n886\ 100$		0.246	$8_n864\ 792$	
		81			171			266			370			488
0.047	$8_n918\ 896$		0.097	$8_n912\ 568$		0.147	$8_n901\ 632$		0.197	$8_n885\ 730$		0.247	$8_n864\ 304$	
		83			172			268			373			490
0.048	$8_n918\ 813$		0.098	$8_n912\ 396$		0.148	$8_n901\ 364$		0.198	$8_n885\ 357$		0.248	$8_n863\ 814$	
		85			175			270			374			492
0.049	$8_n918\ 728$		0.099	$8_n912\ 221$		0.149	$8_n901\ 094$		0.199	$8_n884\ 983$		0.249	$8_n863\ 322$	
		86			176			272			376			495
0.050	$8_n918\ 642$		0.100	$8_n912\ 045$		0.150	$8_n900\ 822$		0.200	$8_n884\ 607$		0.250	$8_n862\ 827$	

Tafel XIV.

Oppolzer's N-Tafel.

$\log \{N_1^5(n)\}$.

$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$
0.000	8.522 879		0.050	8.518 791		0.100	8.506 336		0.150	8.484 896		0.200	8.453 318	
		2			165			338			527			746
0.001	8.522 877		0.051	8.518 626		0.101	8.505 998		0.151	8.484 369		0.201	8.452 572	
		5			169			342			531			752
0.002	8.522 872		0.052	8.518 457		0.102	8.505 656		0.152	8.483 838		0.202	8.451 820	
		8			173			345			535			756
0.003	8.522 864		0.053	8.518 284		0.103	8.505 311		0.153	8.483 303		0.203	8.451 064	
		11			176			348			540			761
0.004	8.522 853		0.054	8.518 108		0.104	8.504 963		0.154	8.482 763		0.204	8.450 303	
		15			179			352			543			766
0.005	8.522 838		0.055	8.517 929		0.105	8.504 611		0.155	8.482 220		0.205	8.449 537	
		18			182			356			548			771
0.006	8.522 820		0.056	8.517 747		0.106	8.504 255		0.156	8.481 672		0.206	8.448 766	
		21			186			360			552			776
0.007	8.522 799		0.057	8.517 561		0.107	8.503 895		0.157	8.481 120		0.207	8.447 990	
		24			190			363			555			780
0.008	8.522 775		0.058	8.517 371		0.108	8.503 532		0.158	8.480 565		0.208	8.447 210	
		28			192			367			560			786
0.009	8.522 747		0.059	8.517 179		0.109	8.503 165		0.159	8.480 005		0.209	8.446 424	
		31			196			370			564			791
0.010	8.522 716		0.060	8.516 983		0.110	8.502 795		0.160	8.479 441		0.210	8.445 633	
		34			199			374			569			795
0.011	8.522 682		0.061	8.516 784		0.111	8.502 421		0.161	8.478 872		0.211	8.444 838	
		38			203			378			572			801
0.012	8.522 644		0.062	8.516 581		0.112	8.502 043		0.162	8.478 300		0.212	8.444 037	
		41			206			381			577			806
0.013	8.522 603		0.063	8.516 375		0.113	8.501 662		0.163	8.477 723		0.213	8.443 231	
		44			209			385			580			811
0.014	8.522 559		0.064	8.516 166		0.114	8.501 277		0.164	8.477 143		0.214	8.442 420	
		47			213			389			585			815
0.015	8.522 512		0.065	8.515 953		0.115	8.500 888		0.165	8.476 558		0.215	8.441 605	
		50			217			392			590			821
0.016	8.522 462		0.066	8.515 736		0.116	8.500 496		0.166	8.475 968		0.216	8.440 784	
		54			219			396			593			826
0.017	8.522 408		0.067	8.515 517		0.117	8.500 100		0.167	8.475 375		0.217	8.439 958	
		57			223			400			598			832
0.018	8.522 351		0.068	8.515 294		0.118	8.499 700		0.168	8.474 777		0.218	8.439 126	
		60			227			404			602			836
0.019	8.522 291		0.069	8.515 067		0.119	8.499 296		0.169	8.474 175		0.219	8.438 290	
		64			229			407			606			842
0.020	8.522 227		0.070	8.514 838		0.120	8.498 889		0.170	8.473 569		0.220	8.437 448	
		67			234			411			610			846
0.021	8.522 160		0.071	8.514 604		0.121	8.498 478		0.171	8.472 959		0.221	8.436 602	
		70			236			415			615			852
0.022	8.522 090		0.072	8.514 368		0.122	8.498 063		0.172	8.472 344		0.222	8.435 750	
		73			240			418			619			858
0.023	8.522 017		0.073	8.514 128		0.123	8.497 645		0.173	8.471 725		0.223	8.434 892	
		77			244			422			624			862
0.024	8.521 940		0.074	8.513 884		0.124	8.497 223		0.174	8.471 101		0.224	8.434 030	
		80			247			426			627			868
0.025	8.521 860		0.075	8.513 637		0.125	8.496 797		0.175	8.470 474		0.225	8.433 162	
		83			250			430			633			874
0.026	8.521 777		0.076	8.513 387		0.126	8.496 367		0.176	8.469 841		0.226	8.432 288	
		87			254			434			636			878
0.027	8.521 690		0.077	8.513 133		0.127	8.495 933		0.177	8.469 205		0.227	8.431 410	
		90			257			437			641			884
0.028	8.521 600		0.078	8.512 876		0.128	8.495 496		0.178	8.468 564		0.228	8.430 526	
		93			261			441			645			890
0.029	8.521 507		0.079	8.512 615		0.129	8.495 055		0.179	8.467 919		0.229	8.429 636	
		96			264			445			650			895
0.030	8.521 411		0.080	8.512 351		0.130	8.494 610		0.180	8.467 269		0.230	8.428 741	
		99			267			449			654			900
0.031	8.521 312		0.081	8.512 084		0.131	8.494 161		0.181	8.466 615		0.231	8.427 841	
		103			271			452			659			906
0.032	8.521 209		0.082	8.511 813		0.132	8.493 709		0.182	8.465 956		0.232	8.426 935	
		107			275			457			663			912
0.033	8.521 102		0.083	8.511 538		0.133	8.493 252		0.183	8.465 293		0.233	8.426 023	
		109			278			460			668			917
0.034	8.520 993		0.084	8.511 260		0.134	8.492 792		0.184	8.464 625		0.234	8.425 106	
		113			281			464			672			922
0.035	8.520 880		0.085	8.510 979		0.135	8.492 328		0.185	8.463 953		0.235	8.424 184	
		116			285			468			677			928
0.036	8.520 764		0.086	8.510 694		0.136	8.491 860		0.186	8.463 276		0.236	8.423 256	
		119			288			472			681			934
0.037	8.520 645		0.087	8.510 406		0.137	8.491 388		0.187	8.462 595		0.237	8.422 322	
		123			292			476			686			940
0.038	8.520 522		0.088	8.510 114		0.138	8.490 912		0.188	8.461 909		0.238	8.421 382	
		126			296			479			690			945
0.039	8.520 396		0.089	8.509 818		0.139	8.490 433		0.189	8.461 219		0.239	8.420 437	
		129			299			484			695			951
0.040	8.520 267		0.090	8.509 519		0.140	8.489 949		0.190	8.460 524		0.240	8.419 486	
		133			302			487			700			956
0.041	8.520 134		0.091	8.509 217		0.141	8.489 462		0.191	8.459 824		0.241	8.418 530	
		136			306			492			704			963
0.042	8.519 998		0.092	8.508 911		0.142	8.488 970		0.192	8.459 120		0.242	8.417 567	
		139			310			495			708			968
0.043	8.519 859		0.093	8.508 601		0.143	8.488 475		0.193	8.458 412		0.243	8.416 599	
		143			313			499			714			974
0.044	8.519 716		0.094	8.508 288		0.144	8.487 976		0.194	8.457 698		0.244	8.415 625	
		145			316			504			718			980
0.045	8.519 571		0.095	8.507 972		0.145	8.487 472		0.195	8.456 980		0.245	8.414 645	
		150			320			507			723			986
0.046	8.519 421		0.096	8.507 652		0.146	8.486 965		0.196	8.456 257		0.246	8.413 659	
		152			324			511			727			992
0.047	8.519 269		0.097	8.507 328		0.147	8.486 454		0.197	8.455 530		0.247	8.412 667	
		156			327			515			733			998
0.048	8.519 113		0.098	8.507 001		0.148	8.485 939		0.198	8.454 797		0.248	8.411 669	
		159			331			519			737			1003
0.049	8.518 954		0.099	8.506 670		0.149	8.485 420		0.199	8.454 060		0.249	8.410 666	
		163			334			524			742			1010
0.050	8.518 791		0.100	8.506 336		0.150	8.484 896		0.200	8.453 318		0.250	8.409 656	

Tafel XIV.

Oppolzer's N-Tafel.

$\log \{N_1^6(n)\}$.

$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$
0.000	8.045 757		0.050	8.043 037		0.100	8.034 795		0.150	8.020 789		0.200	8.000 579	
		1			111			222			342			472
0.001	8.045 756		0.051	8.042 926		0.101	8.034 573		0.151	8.020 447		0.201	8.000 107	
		3			112			225			344			475
0.002	8.045 753		0.052	8.042 814		0.102	8.034 348		0.152	8.020 103		0.202	7.999 632	
		5			115			227			346			477
0.003	8.045 748		0.053	8.042 699		0.103	8.034 121		0.153	8.019 757		0.203	7.999 155	
		8			116			229			349			480
0.004	8.045 740		0.054	8.042 583		0.104	8.033 892		0.154	8.019 408		0.204	7.998 675	
		10			119			232			352			482
0.005	8.045 730		0.055	8.042 464		0.105	8.033 660		0.155	8.019 056		0.205	7.998 193	
		12			122			234			354			486
0.006	8.045 718		0.056	8.042 342		0.106	8.033 426		0.156	8.018 702		0.206	7.997 707	
		14			123			236			356			488
0.007	8.045 704		0.057	8.042 219		0.107	8.033 190		0.157	8.018 346		0.207	7.997 219	
		16			126			239			359			491
0.008	8.045 688		0.058	8.042 093		0.108	8.032 951		0.158	8.017 987		0.208	7.996 728	
		19			128			241			362			494
0.009	8.045 669		0.059	8.041 965		0.109	8.032 710		0.159	8.017 625		0.209	7.996 234	
		20			130			243			364			497
0.010	8.045 649		0.060	8.041 835		0.110	8.032 467		0.160	8.017 261		0.210	7.995 737	
		23			132			246			366			500
0.011	8.045 626		0.061	8.041 703		0.111	8.032 221		0.161	8.016 895		0.211	7.995 237	
		25			134			248			369			502
0.012	8.045 601		0.062	8.041 569		0.112	8.031 973		0.162	8.016 526		0.212	7.994 735	
		27			137			250			372			505
0.013	8.045 574		0.063	8.041 432		0.113	8.031 723		0.163	8.016 154		0.213	7.994 230	
		29			139			253			374			508
0.014	8.045 545		0.064	8.041 293		0.114	8.031 470		0.164	8.015 780		0.214	7.993 722	
		32			141			255			377			511
0.015	8.045 513		0.065	8.041 152		0.115	8.031 215		0.165	8.015 403		0.215	7.993 211	
		34			144			257			379			514
0.016	8.045 479		0.066	8.041 008		0.116	8.030 958		0.166	8.015 024		0.216	7.992 697	
		35			145			260			382			517
0.017	8.045 444		0.067	8.040 863		0.117	8.030 698		0.167	8.014 642		0.217	7.992 180	
		38			148			262			384			519
0.018	8.045 406		0.068	8.040 715		0.118	8.030 436		0.168	8.014 258		0.218	7.991 661	
		40			150			265			387			522
0.019	8.045 366		0.069	8.040 565		0.119	8.030 171		0.169	8.013 871		0.219	7.991 139	
		43			153			266			389			526
0.020	8.045 323		0.070	8.040 412		0.120	8.029 905		0.170	8.013 482		0.220	7.990 613	
		45			154			269			392			528
0.021	8.045 278		0.071	8.040 258		0.121	8.029 636		0.171	8.013 090		0.221	7.990 085	
		46			157			272			395			531
0.022	8.045 232		0.072	8.040 101		0.122	8.029 364		0.172	8.012 695		0.222	7.989 554	
		49			159			274			397			534
0.023	8.045 183		0.073	8.039 942		0.123	8.029 090		0.173	8.012 298		0.223	7.989 020	
		51			161			276			400			536
0.024	8.045 132		0.074	8.039 781		0.124	8.028 814		0.174	8.011 898		0.224	7.988 484	
		53			164			279			402			540
0.025	8.045 079		0.075	8.039 617		0.125	8.028 535		0.175	8.011 496		0.225	7.987 944	
		56			166			281			405			543
0.026	8.045 023		0.076	8.039 451		0.126	8.028 254		0.176	8.011 091		0.226	7.987 401	
		58			168			283			408			545
0.027	8.044 965		0.077	8.039 283		0.127	8.027 971		0.177	8.010 683		0.227	7.986 856	
		59			170			286			410			549
0.028	8.044 906		0.078	8.039 113		0.128	8.027 685		0.178	8.010 273		0.228	7.986 307	
		62			172			288			413			551
0.029	8.044 844		0.079	8.038 941		0.129	8.027 397		0.179	8.009 860		0.229	7.985 756	
		65			175			290			415			555
0.030	8.044 779		0.080	8.038 766		0.130	8.027 107		0.180	8.009 445		0.230	7.985 201	
		66			177			293			418			557
0.031	8.044 713		0.081	8.038 589		0.131	8.026 814		0.181	8.009 027		0.231	7.984 644	
		68			179			295			421			561
0.032	8.044 645		0.082	8.038 410		0.132	8.026 519		0.182	8.008 606		0.232	7.984 083	
		71			182			298			423			563
0.033	8.044 574		0.083	8.038 228		0.133	8.026 221		0.183	8.008 183		0.233	7.983 520	
		73			183			300			426			566
0.034	8.044 501		0.084	8.038 045		0.134	8.025 921		0.184	8.007 757		0.234	7.982 954	
		75			186			303			428			570
0.035	8.044 426		0.085	8.037 859		0.135	8.025 618		0.185	8.007 329		0.235	7.982 384	
		77			189			305			432			572
0.036	8.044 349		0.086	8.037 670		0.136	8.025 313		0.186	8.006 897		0.236	7.981 812	
		80			190			307			434			576
0.037	8.044 269		0.087	8.037 480		0.137	8.025 006		0.187	8.006 463		0.237	7.981 236	
		82			193			310			436			578
0.038	8.044 187		0.088	8.037 287		0.138	8.024 696		0.188	8.006 027		0.238	7.980 658	
		83			195			312			439			582
0.039	8.044 104		0.089	8.037 092		0.139	8.024 384		0.189	8.005 588		0.239	7.980 076	
		86			197			314			442			584
0.040	8.044 018		0.090	8.036 895		0.140	8.024 070		0.190	8.005 146		0.240	7.979 492	
		89			200			317			445			588
0.041	8.043 929		0.091	8.036 695		0.141	8.023 753		0.191	8.004 701		0.241	7.978 904	
		90			202			320			447			590
0.042	8.043 839		0.092	8.036 493		0.142	8.023 433		0.192	8.004 254		0.242	7.978 314	
		93			204			322			450			594
0.043	8.043 746		0.093	8.036 289		0.143	8.023 111		0.193	8.003 804		0.243	7.977 720	
		94			207			324			452			597
0.044	8.043 652		0.094	8.036 082		0.144	8.022 787		0.194	8.003 352		0.244	7.977 123	
		97			208			327			456			600
0.045	8.043 555		0.095	8.035 874		0.145	8.022 460		0.195	8.002 896		0.245	7.976 523	
		100			211			329			458			603
0.046	8.043 455		0.096	8.035 663		0.146	8.022 131		0.196	8.002 438		0.246	7.975 920	
		101			214			332			461			606
0.047	8.043 354		0.097	8.035 449		0.147	8.021 799		0.197	8.001 977		0.247	7.975 314	
		104			215			334			463			609
0.048	8.043 250		0.098	8.035 234		0.148	8.021 465		0.198	8.001 514		0.248	7.974 705	
		105			218			337			466			613
0.049	8.043 145		0.099	8.035 016		0.149	8.021 128		0.199	8.001 048		0.249	7.974 092	
		108			221			339			469			615
0.050	8.043 037		0.100	8.034 795		0.150	8.020 789		0.200	8.000 579		0.250	7.973 477	

Tafel XIV.

Oppolzer's *N*-Tafel.

$\log \{N_1^7(n)\}$.

$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$
0.000	$7_n853\ 872$		0.050	$7_n849\ 421$		0.100	$7_n835\ 854$		0.150	$7_n812\ 487$		0.200	$7_n778\ 030$	
		2			180			368			575			815
0.001	$7_n853\ 870$		0.051	$7_n849\ 241$		0.101	$7_n835\ 486$		0.151	$7_n811\ 912$		0.201	$7_n777\ 215$	
		5			185			372			579			821
0.002	$7_n853\ 865$		0.052	$7_n849\ 056$		0.102	$7_n835\ 114$		0.152	$7_n811\ 333$		0.202	$7_n776\ 394$	
		9			187			376			584			826
0.003	$7_n853\ 856$		0.053	$7_n848\ 869$		0.103	$7_n834\ 738$		0.153	$7_n810\ 749$		0.203	$7_n775\ 568$	
		12			192			380			588			831
0.004	$7_n853\ 844$		0.054	$7_n848\ 677$		0.104	$7_n834\ 358$		0.154	$7_n810\ 161$		0.204	$7_n774\ 737$	
		16			195			384			593			837
0.005	$7_n853\ 828$		0.055	$7_n848\ 482$		0.105	$7_n833\ 974$		0.155	$7_n809\ 568$		0.205	$7_n773\ 900$	
		20			199			388			597			842
0.006	$7_n853\ 808$		0.056	$7_n848\ 283$		0.106	$7_n833\ 586$		0.156	$7_n808\ 971$		0.206	$7_n773\ 058$	
		23			202			391			602			847
0.007	$7_n853\ 785$		0.057	$7_n848\ 081$		0.107	$7_n833\ 195$		0.157	$7_n808\ 369$		0.207	$7_n772\ 211$	
		27			206			396			606			853
0.008	$7_n853\ 758$		0.058	$7_n847\ 875$		0.108	$7_n832\ 799$		0.158	$7_n807\ 763$		0.208	$7_n771\ 358$	
		30			210			400			610			858
0.009	$7_n853\ 728$		0.059	$7_n847\ 665$		0.109	$7_n832\ 399$		0.159	$7_n807\ 153$		0.209	$7_n770\ 500$	
		33			213			403			616			864
0.010	$7_n853\ 695$		0.060	$7_n847\ 452$		0.110	$7_n831\ 996$		0.160	$7_n806\ 537$		0.210	$7_n769\ 636$	
		38			218			408			619			870
0.011	$7_n853\ 657$		0.061	$7_n847\ 234$		0.111	$7_n831\ 588$		0.161	$7_n805\ 918$		0.211	$7_n768\ 766$	
		41			220			411			625			874
0.012	$7_n853\ 616$		0.062	$7_n847\ 014$		0.112	$7_n831\ 177$		0.162	$7_n805\ 293$		0.212	$7_n767\ 892$	
		44			225			416			628			881
0.013	$7_n853\ 572$		0.063	$7_n846\ 789$		0.113	$7_n830\ 761$		0.163	$7_n804\ 665$		0.213	$7_n767\ 011$	
		48			228			419			634			886
0.014	$7_n853\ 524$		0.064	$7_n846\ 561$		0.114	$7_n830\ 342$		0.164	$7_n804\ 031$		0.214	$7_n766\ 125$	
		51			232			424			638			891
0.015	$7_n853\ 473$		0.065	$7_n846\ 329$		0.115	$7_n829\ 918$		0.165	$7_n803\ 393$		0.215	$7_n765\ 234$	
		55			235			428			643			897
0.016	$7_n853\ 418$		0.066	$7_n846\ 094$		0.116	$7_n829\ 490$		0.166	$7_n802\ 750$		0.216	$7_n764\ 337$	
		59			239			431			647			903
0.017	$7_n853\ 359$		0.067	$7_n845\ 855$		0.117	$7_n829\ 059$		0.167	$7_n802\ 103$		0.217	$7_n763\ 434$	
		62			243			436			652			908
0.018	$7_n853\ 297$		0.068	$7_n845\ 612$		0.118	$7_n828\ 623$		0.168	$7_n801\ 451$		0.218	$7_n762\ 526$	
		66			247			440			657			915
0.019	$7_n853\ 231$		0.069	$7_n845\ 365$		0.119	$7_n828\ 183$		0.169	$7_n800\ 794$		0.219	$7_n761\ 611$	
		69			250			443			661			920
0.020	$7_n853\ 162$		0.070	$7_n845\ 115$		0.120	$7_n827\ 740$		0.170	$7_n800\ 133$		0.220	$7_n760\ 691$	
		73			254			448			666			925
0.021	$7_n853\ 089$		0.071	$7_n844\ 861$		0.121	$7_n827\ 292$		0.171	$7_n799\ 467$		0.221	$7_n759\ 766$	
		76			258			452			671			932
0.022	$7_n853\ 013$		0.072	$7_n844\ 603$		0.122	$7_n826\ 840$		0.172	$7_n798\ 796$		0.222	$7_n758\ 834$	
		80			261			456			675			937
0.023	$7_n852\ 933$		0.073	$7_n844\ 342$		0.123	$7_n826\ 384$		0.173	$7_n798\ 121$		0.223	$7_n757\ 897$	
		83			265			460			680			943
0.024	$7_n852\ 850$		0.074	$7_n844\ 077$		0.124	$7_n825\ 924$		0.174	$7_n797\ 441$		0.224	$7_n756\ 954$	
		87			269			464			685			949
0.025	$7_n852\ 763$		0.075	$7_n843\ 808$		0.125	$7_n825\ 460$		0.175	$7_n796\ 756$		0.225	$7_n756\ 005$	
		91			273			469			690			955
0.026	$7_n852\ 672$		0.076	$7_n843\ 535$		0.126	$7_n824\ 991$		0.176	$7_n796\ 066$		0.226	$7_n755\ 050$	
		94			276			472			695			960
0.027	$7_n852\ 578$		0.077	$7_n843\ 259$		0.127	$7_n824\ 519$		0.177	$7_n795\ 371$		0.227	$7_n754\ 090$	
		98			280			477			699			967
0.028	$7_n852\ 480$		0.078	$7_n842\ 979$		0.128	$7_n824\ 042$		0.178	$7_n794\ 672$		0.228	$7_n753\ 123$	
		101			284			481			704			973
0.029	$7_n852\ 379$		0.079	$7_n842\ 695$		0.129	$7_n823\ 561$		0.179	$7_n793\ 968$		0.229	$7_n752\ 150$	
		105			288			485			709			979
0.030	$7_n852\ 274$		0.080	$7_n842\ 407$		0.130	$7_n823\ 076$		0.180	$7_n793\ 259$		0.230	$7_n751\ 171$	
		109			291			489			714			984
0.031	$7_n852\ 165$		0.081	$7_n842\ 116$		0.131	$7_n822\ 587$		0.181	$7_n792\ 545$		0.231	$7_n750\ 187$	
		112			296			493			719			991
0.032	$7_n852\ 053$		0.082	$7_n841\ 820$		0.132	$7_n822\ 094$		0.182	$7_n791\ 826$		0.232	$7_n749\ 196$	
		116			299			497			724			997
0.033	$7_n851\ 937$		0.083	$7_n841\ 521$		0.133	$7_n821\ 597$		0.183	$7_n791\ 102$		0.233	$7_n748\ 199$	
		119			302			502			728			1003
0.034	$7_n851\ 818$		0.084	$7_n841\ 219$		0.134	$7_n821\ 095$		0.184	$7_n790\ 374$		0.234	$7_n747\ 196$	
		123			307			506			734			1009
0.035	$7_n851\ 695$		0.085	$7_n840\ 912$		0.135	$7_n820\ 589$		0.185	$7_n789\ 640$		0.235	$7_n746\ 187$	
		126			310			510			738			1016
0.036	$7_n851\ 569$		0.086	$7_n840\ 602$		0.136	$7_n820\ 079$		0.186	$7_n788\ 902$		0.236	$7_n745\ 171$	
		130			315			515			744			1021
0.037	$7_n851\ 439$		0.087	$7_n840\ 287$		0.137	$7_n819\ 564$		0.187	$7_n788\ 158$		0.237	$7_n744\ 150$	
		134			318			518			748			1028
0.038	$7_n851\ 305$		0.088	$7_n839\ 969$		0.138	$7_n819\ 046$		0.188	$7_n787\ 410$		0.238	$7_n743\ 122$	
		137			321			523			754			1035
0.039	$7_n851\ 168$		0.089	$7_n839\ 648$		0.139	$7_n818\ 523$		0.189	$7_n786\ 656$		0.239	$7_n742\ 087$	
		141			326			527			759			1040
0.040	$7_n851\ 027$		0.090	$7_n839\ 322$		0.140	$7_n817\ 996$		0.190	$7_n785\ 897$		0.240	$7_n741\ 047$	
		144			330			532			763			1047
0.041	$7_n850\ 883$		0.091	$7_n838\ 992$		0.141	$7_n817\ 464$		0.191	$7_n785\ 134$		0.241	$7_n740\ 000$	
		148			333			535			769			1053
0.042	$7_n850\ 735$		0.092	$7_n838\ 659$		0.142	$7_n816\ 929$		0.192	$7_n784\ 365$		0.242	$7_n738\ 947$	
		152			337			540			774			1060
0.043	$7_n850\ 583$		0.093	$7_n838\ 322$		0.143	$7_n816\ 389$		0.193	$7_n783\ 591$		0.243	$7_n737\ 887$	
		155			341			544			779			1066
0.044	$7_n850\ 428$		0.094	$7_n837\ 981$		0.144	$7_n815\ 845$		0.194	$7_n782\ 812$		0.244	$7_n736\ 821$	
		159			345			549			784			1073
0.045	$7_n850\ 269$		0.095	$7_n837\ 636$		0.145	$7_n815\ 296$		0.195	$7_n782\ 028$		0.245	$7_n735\ 748$	
		162			348			553			789			1079
0.046	$7_n850\ 107$		0.096	$7_n837\ 288$		0.146	$7_n814\ 743$		0.196	$7_n781\ 239$		0.246	$7_n734\ 669$	
		166			353			558			794			1086
0.047	$7_n849\ 941$		0.097	$7_n836\ 935$		0.147	$7_n814\ 185$		0.197	$7_n780\ 445$		0.247	$7_n733\ 583$	
		170			356			561			800			1092
0.048	$7_n849\ 771$		0.098	$7_n836\ 579$		0.148	$7_n813\ 624$		0.198	$7_n779\ 645$		0.248	$7_n732\ 491$	
		173			361			566			805			1099
0.049	$7_n849\ 598$		0.099	$7_n836\ 218$		0.149	$7_n813\ 058$		0.199	$7_n778\ 840$		0.249	$7_n731\ 392$	
		177			364			571			810			1106
0.050	$7_n849\ 421$		0.100	$7_n835\ 854$		0.150	$7_n812\ 487$		0.200	$7_n778\ 030$		0.250	$7_n730\ 286$	

Tafel XIV.

Oppolzer's *N*-Tafel.

$\log \{N_1^s(n)\}$.

$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$
0.000	7n251 812		0.050	7n248 849		0.100	7n239 878		0.150	7n224 634		0.200	7n202 649	
		1			120			243			371			513
0.001	7n251 811	4	0.051	7n248 729	122	0.101	7n239 635	244	0.151	7n224 263	375	0.201	7n202 136	516
0.002	7n251 807	6	0.052	7n248 607	125	0.102	7n239 391	247	0.152	7n223 888	377	0.202	7n201 620	519
0.003	7n251 801	8	0.053	7n248 482	127	0.103	7n239 144	250	0.153	7n223 511	379	0.203	7n201 101	522
0.004	7n251 793	11	0.054	7n248 355	129	0.104	7n238 894	252	0.154	7n223 132	383	0.204	7n200 579	525
0.005	7n251 782	13	0.055	7n248 226	132	0.105	7n238 642	255	0.155	7n222 749	385	0.205	7n200 054	528
0.006	7n251 769	15	0.056	7n248 094	135	0.106	7n238 387	257	0.156	7n222 364	388	0.206	7n199 526	531
0.007	7n251 754	18	0.057	7n247 959	137	0.107	7n238 130	260	0.157	7n221 976	391	0.207	7n198 995	534
0.008	7n251 736	20	0.058	7n247 822	139	0.108	7n237 870	263	0.158	7n221 585	393	0.208	7n198 461	537
0.009	7n251 716		0.059	7n247 683		0.109	7n237 607		0.159	7n221 192		0.209	7n197 924	
		22			141			265			396			540
0.010	7n251 694		0.060	7n247 542		0.110	7n237 342		0.160	7n220 796		0.210	7n197 384	
		25			144			267			399			544
0.011	7n251 669	27	0.061	7n247 398	147	0.111	7n237 075	270	0.161	7n220 397	401	0.211	7n196 840	546
0.012	7n251 642	30	0.062	7n247 251	149	0.112	7n236 805	272	0.162	7n219 996	405	0.212	7n196 294	549
0.013	7n251 612	32	0.063	7n247 102	151	0.113	7n236 533	275	0.163	7n219 591	407	0.213	7n195 745	553
0.014	7n251 580	34	0.064	7n246 951	154	0.114	7n236 258	278	0.164	7n219 184	409	0.214	7n195 192	555
0.015	7n251 546	37	0.065	7n246 797	156	0.115	7n235 980	280	0.165	7n218 775	413	0.215	7n194 637	559
0.016	7n251 509	39	0.066	7n246 641	158	0.116	7n235 700	283	0.166	7n218 362	415	0.216	7n194 078	562
0.017	7n251 470	41	0.067	7n246 483	161	0.117	7n235 417	285	0.167	7n217 947	418	0.217	7n193 516	564
0.018	7n251 429	44	0.068	7n246 322	164	0.118	7n235 132	288	0.168	7n217 529	421	0.218	7n192 952	568
0.019	7n251 385		0.069	7n246 158		0.119	7n234 844		0.169	7n217 108		0.219	7n192 384	
		46			166			290			424			571
0.020	7n251 339		0.070	7n245 992		0.120	7n234 554		0.170	7n216 684		0.220	7n191 813	
		49			168			293			427			575
0.021	7n251 290	51	0.071	7n245 824	171	0.121	7n234 261	295	0.171	7n216 257	429	0.221	7n191 238	577
0.022	7n251 239	53	0.072	7n245 653	173	0.122	7n233 966	298	0.172	7n215 828	432	0.222	7n190 661	580
0.023	7n251 186	55	0.073	7n245 480	175	0.123	7n233 668	301	0.173	7n215 396	435	0.223	7n190 081	584
0.024	7n251 131	58	0.074	7n245 305	178	0.124	7n233 367	303	0.174	7n214 961	437	0.224	7n189 497	587
0.025	7n251 073	61	0.075	7n245 127	181	0.125	7n233 064	306	0.175	7n214 524	441	0.225	7n188 910	590
0.026	7n251 012	62	0.076	7n244 946	183	0.126	7n232 758	308	0.176	7n214 083	443	0.226	7n188 320	593
0.027	7n250 950	65	0.077	7n244 763	185	0.127	7n232 450	311	0.177	7n213 640	446	0.227	7n187 727	597
0.028	7n250 885	68	0.078	7n244 578	188	0.128	7n232 139	314	0.178	7n213 194	449	0.228	7n187 130	599
0.029	7n250 817		0.079	7n244 390		0.129	7n231 825		0.179	7n212 745		0.229	7n186 531	
		70			190			316			452			603
0.030	7n250 747		0.080	7n244 200		0.130	7n231 509		0.180	7n212 293		0.230	7n185 928	
		72			193			318			455			606
0.031	7n250 675	75	0.081	7n244 007	195	0.131	7n231 191	322	0.181	7n211 838	458	0.231	7n185 322	609
0.032	7n250 600	77	0.082	7n243 812	197	0.132	7n230 869	324	0.182	7n211 380	460	0.232	7n184 713	613
0.033	7n250 523	79	0.083	7n243 615	200	0.133	7n230 545	326	0.183	7n210 920	463	0.233	7n184 100	616
0.034	7n250 444	82	0.084	7n243 415	203	0.134	7n230 219	329	0.184	7n210 457	466	0.234	7n183 484	619
0.035	7n250 362	84	0.085	7n243 212	205	0.135	7n229 890	332	0.185	7n209 991	469	0.235	7n182 865	622
0.036	7n250 278	87	0.086	7n243 007	207	0.136	7n229 558	335	0.186	7n209 522	472	0.236	7n182 243	626
0.037	7n250 191	89	0.087	7n242 800	210	0.137	7n229 223	337	0.187	7n209 050	475	0.237	7n181 617	629
0.038	7n250 102	91	0.088	7n242 590	213	0.138	7n228 886	340	0.188	7n208 575	478	0.238	7n180 988	532
0.039	7n250 011		0.089	7n242 377		0.139	7n228 546		0.189	7n208 097		0.239	7n180 356	
		93			214			342			480			635
0.040	7n249 918		0.090	7n242 163		0.140	7n228 204		0.190	7n207 617		0.240	7n179 721	
		96			218			345			484			639
0.041	7n249 822	99	0.091	7n241 945	220	0.141	7n227 859	348	0.191	7n207 133	486	0.241	7n179 082	642
0.042	7n249 723	101	0.092	7n241 725	222	0.142	7n227 511	350	0.192	7n206 647	490	0.242	7n178 440	646
0.043	7n249 622	103	0.093	7n241 503	225	0.143	7n227 161	353	0.193	7n206 157	492	0.243	7n177 794	648
0.044	7n249 519	106	0.094	7n241 278	227	0.144	7n226 808	355	0.194	7n205 665	495	0.244	7n177 146	653
0.045	7n249 413	108	0.095	7n241 051	230	0.145	7n226 453	359	0.195	7n205 170	498	0.245	7n176 493	655
0.046	7n249 305	110	0.096	7n240 821	232	0.146	7n226 094	361	0.196	7n204 672	502	0.246	7n175 838	659
0.047	7n249 195	113	0.097	7n240 589	235	0.147	7n225 733	363	0.197	7n204 170	504	0.247	7n175 179	662
0.048	7n249 082	115	0.098	7n240 354	237	0.148	7n225 370	367	0.198	7n203 666	507	0.248	7n174 517	666
0.049	7n248 967	118	0.099	7n240 117	239	0.149	7n225 003	369	0.199	7n203 159	510	0.249	7n173 851	669
0.050	7n248 849		0.100	7n239 878		0.150	7n224 634		0.200	7n202 649		0.250	7n173 182	

Tafel XIV.

Oppolzer's N-Tafel.

$\log \{N_1^{\mathfrak{g}}(n)\}$.

$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$
0.000	7.200 659		0.050	7.196 004		0.100	7.181 811		0.150	7.157 357		0.200	7.121 271	
		1			189			385			602			855
0.001	7.200 658	6	0.051	7.195 815	192	0.101	7.181 426	389	0.151	7.156 755	606	0.201	7.120 416	860
0.002	7.200 652	9	0.052	7.195 623	197	0.102	7.181 037	394	0.152	7.156 149	611	0.202	7.119 556	865
0.003	7.200 643	13	0.053	7.195 426	200	0.103	7.180 643	397	0.153	7.155 538	616	0.203	7.118 691	871
0.004	7.200 630	17	0.054	7.195 226	204	0.104	7.180 246	402	0.154	7.154 922	621	0.204	7.117 820	877
0.005	7.200 613	20	0.055	7.195 022	208	0.105	7.179 844	405	0.155	7.154 301	625	0.205	7.116 943	882
0.006	7.200 593	24	0.056	7.194 814	212	0.106	7.179 439	410	0.156	7.153 676	630	0.206	7.116 061	888
0.007	7.200 569	28	0.057	7.194 602	216	0.107	7.179 029	414	0.157	7.153 046	634	0.207	7.115 173	894
0.008	7.200 541	32	0.058	7.194 386	219	0.108	7.178 615	418	0.158	7.152 412	640	0.208	7.114 279	900
0.009	7.200 509		0.059	7.194 167		0.109	7.178 197		0.159	7.151 772		0.209	7.113 379	
		35			223			423			644			905
0.010	7.200 474	39	0.060	7.193 944	227	0.110	7.177 774	426	0.160	7.151 128	649	0.210	7.112 474	911
0.011	7.200 435	43	0.061	7.193 717	231	0.111	7.177 348	431	0.161	7.150 479	653	0.211	7.111 563	917
0.012	7.200 392	46	0.062	7.193 486	235	0.112	7.176 917	435	0.162	7.149 826	659	0.212	7.110 646	923
0.013	7.200 346	50	0.063	7.193 251	238	0.113	7.176 482	439	0.163	7.149 167	663	0.213	7.109 723	928
0.014	7.200 296	54	0.064	7.193 013	243	0.114	7.176 043	443	0.164	7.148 504	668	0.214	7.108 795	935
0.015	7.200 242	57	0.065	7.192 770	246	0.115	7.175 600	447	0.165	7.147 836	673	0.215	7.107 860	940
0.016	7.200 185	62	0.066	7.192 524	250	0.116	7.175 153	452	0.166	7.147 163	678	0.216	7.106 920	946
0.017	7.200 123	65	0.067	7.192 274	254	0.117	7.174 701	456	0.167	7.146 485	682	0.217	7.105 974	953
0.018	7.200 058	68	0.068	7.192 020	258	0.118	7.174 245	460	0.168	7.145 803	688	0.218	7.105 021	958
0.019	7.199 990		0.069	7.191 762		0.119	7.173 785		0.169	7.145 115		0.219	7.104 063	
		73			262			464			692			965
0.020	7.199 917	76	0.070	7.191 500	266	0.120	7.173 321	469	0.170	7.144 423	698	0.220	7.103 098	970
0.021	7.199 841	80	0.071	7.191 234	270	0.121	7.172 852	473	0.171	7.143 725	702	0.221	7.102 128	977
0.022	7.199 761	83	0.072	7.190 964	273	0.122	7.172 379	477	0.172	7.143 023	707	0.222	7.101 151	982
0.023	7.199 678	88	0.073	7.190 691	277	0.123	7.171 902	482	0.173	7.142 316	713	0.223	7.100 169	989
0.024	7.199 590	91	0.074	7.190 414	282	0.124	7.171 420	486	0.174	7.141 603	717	0.224	7.099 180	995
0.025	7.199 499	95	0.075	7.190 132	285	0.125	7.170 934	490	0.175	7.140 886	722	0.225	7.098 185	1001
0.026	7.199 404	98	0.076	7.189 847	289	0.126	7.170 444	494	0.176	7.140 164	728	0.226	7.097 184	1008
0.027	7.199 306	102	0.077	7.189 558	293	0.127	7.169 950	499	0.177	7.139 436	732	0.227	7.096 176	1013
0.028	7.199 204	106	0.078	7.189 265	297	0.128	7.169 451	503	0.178	7.138 704	738	0.228	7.095 163	1020
0.029	7.199 098		0.079	7.188 968		0.129	7.168 948		0.179	7.137 966		0.229	7.094 143	
		110			301			508			742			1027
0.030	7.198 988	114	0.080	7.188 667	305	0.130	7.168 440	512	0.180	7.137 224	748	0.230	7.093 116	1033
0.031	7.198 874	117	0.081	7.188 362	309	0.131	7.167 928	516	0.181	7.136 476	753	0.231	7.092 083	1039
0.032	7.198 757	121	0.082	7.188 053	313	0.132	7.167 412	520	0.182	7.135 723	758	0.232	7.091 044	1045
0.033	7.198 636	125	0.083	7.187 740	317	0.133	7.166 892	525	0.183	7.134 965	763	0.233	7.089 999	1052
0.034	7.198 511	128	0.084	7.187 423	320	0.134	7.166 367	530	0.184	7.134 202	768	0.234	7.088 947	1059
0.035	7.198 383	132	0.085	7.187 103	325	0.135	7.165 837	534	0.185	7.133 434	774	0.235	7.087 888	1065
0.036	7.198 251	136	0.086	7.186 778	329	0.136	7.165 303	538	0.186	7.132 660	779	0.236	7.086 823	1072
0.037	7.198 115	140	0.087	7.186 449	332	0.137	7.164 765	543	0.187	7.131 881	784	0.237	7.085 751	1078
0.038	7.197 975	143	0.088	7.186 117	337	0.138	7.164 222	547	0.188	7.131 097	789	0.238	7.084 673	1085
0.039	7.197 832		0.089	7.185 780		0.139	7.163 675		0.189	7.130 308		0.239	7.083 588	
		148			341			552			795			1092
0.040	7.197 684	151	0.090	7.185 439	344	0.140	7.163 123	556	0.190	7.129 513	800	0.240	7.082 496	1098
0.041	7.197 533	155	0.091	7.185 095	349	0.141	7.162 567	561	0.191	7.128 713	805	0.241	7.081 398	1105
0.042	7.197 378	158	0.092	7.184 746	353	0.142	7.162 006	565	0.192	7.127 908	811	0.242	7.080 293	1112
0.043	7.197 220	162	0.093	7.184 393	356	0.143	7.161 441	570	0.193	7.127 097	816	0.243	7.079 181	1119
0.044	7.197 058	166	0.094	7.184 037	361	0.144	7.160 871	574	0.194	7.126 281	821	0.244	7.078 062	1125
0.045	7.196 892	170	0.095	7.183 676	365	0.145	7.160 297	579	0.195	7.125 460	827	0.245	7.076 937	1133
0.046	7.196 722	174	0.096	7.183 311	369	0.146	7.159 718	583	0.196	7.124 633	832	0.246	7.075 804	1139
0.047	7.196 548	178	0.097	7.182 942	373	0.147	7.159 135	588	0.197	7.123 801	838	0.247	7.074 665	1147
0.048	7.196 370	181	0.098	7.182 569	377	0.148	7.158 547	593	0.198	7.122 963	844	0.248	7.073 518	1153
0.049	7.196 189	185	0.099	7.182 192	381	0.149	7.157 954	597	0.199	7.122 119	848	0.249	7.072 365	1160
0.050	7.196 004		0.100	7.181 811		0.150	7.157 357		0.200	7.121 271		0.250	7.071 205	

Tafel XIV.

Oppolzer's *N*-Tafel.

$\log \{N_1^{10}(n)\}$.

$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$	$\pm n$	N	$-\Delta$
0.000	6.501 689		0.050	6.498 591		0.100	6.489 208		0.150	6.473 269		0.200	6.450 285	
		1			125			253			389			537
0.001	6.501 688	4	0.051	6.498 466	128	0.101	6.488 955	256	0.151	6.472 880	391	0.201	6.449 748	539
0.002	6.501 684	6	0.052	6.498 338	131	0.102	6.488 699	259	0.152	6.472 489	394	0.202	6.449 209	543
0.003	6.501 678	8	0.053	6.498 207	133	0.103	6.488 440	261	0.153	6.472 095	397	0.203	6.448 666	545
0.004	6.501 670	11	0.054	6.498 074	135	0.104	6.488 179	264	0.154	6.471 698	400	0.204	6.448 121	549
0.005	6.501 659	14	0.055	6.497 939	138	0.105	6.487 915	266	0.155	6.471 298	403	0.205	6.447 572	552
0.006	6.501 645	16	0.056	6.497 801	141	0.106	6.487 649	269	0.156	6.470 895	405	0.206	6.447 020	555
0.007	6.501 629	19	0.057	6.497 660	143	0.107	6.487 380	272	0.157	6.470 490	409	0.207	6.446 465	558
0.008	6.501 610	21	0.058	6.497 517	146	0.108	6.487 108	274	0.158	6.470 081	411	0.208	6.445 907	562
0.009	6.501 589		0.059	6.497 371		0.109	6.486 834		0.159	6.469 670		0.209	6.445 345	
		23			148			277			414			564
0.010	6.501 566		0.060	6.497 223		0.110	6.486 557		0.160	6.469 256		0.210	6.444 781	
		26			151			280			417			568
0.011	6.501 540	29	0.061	6.497 072	153	0.111	6.486 277	282	0.161	6.468 839	420	0.211	6.444 213	571
0.012	6.501 511	31	0.062	6.496 919	156	0.112	6.485 995	285	0.162	6.468 419	423	0.212	6.443 642	574
0.013	6.501 480	33	0.063	6.496 763	158	0.113	6.485 710	287	0.163	6.467 996	425	0.213	6.443 068	578
0.014	6.501 447	36	0.064	6.496 605	160	0.114	6.485 423	290	0.164	6.467 571	429	0.214	6.442 490	581
0.015	6.501 411	38	0.065	6.496 445	164	0.115	6.485 133	293	0.165	6.467 142	431	0.215	6.441 909	584
0.016	6.501 373	41	0.066	6.496 281	166	0.116	6.484 840	296	0.166	6.466 711	434	0.216	6.441 325	587
0.017	6.501 332	43	0.067	6.496 115	168	0.117	6.484 544	298	0.167	6.466 277	437	0.217	6.440 738	590
0.018	6.501 289	46	0.068	6.495 947	171	0.118	6.484 246	301	0.168	6.465 840	440	0.218	6.440 148	594
0.019	6.501 243		0.069	6.495 776		0.119	6.483 945		0.169	6.465 400		0.219	6.439 554	
		48			173			304			443			597
0.020	6.501 195		0.070	6.495 603		0.120	6.483 641		0.170	6.464 957		0.220	6.438 957	
		51			176			306			446			600
0.021	6.501 144	53	0.071	6.495 427	179	0.121	6.483 335	309	0.171	6.464 511	449	0.221	6.438 357	603
0.022	6.501 091	56	0.072	6.495 248	181	0.122	6.483 026	312	0.172	6.464 062	452	0.222	6.437 754	607
0.023	6.501 035	58	0.073	6.494 067	183	0.123	6.482 714	314	0.173	6.463 610	454	0.223	6.437 147	610
0.024	6.500 977	61	0.074	6.494 884	186	0.124	6.482 400	317	0.174	6.463 156	458	0.224	6.436 537	613
0.025	6.500 916	63	0.075	6.494 698	189	0.125	6.482 083	320	0.175	6.462 698	460	0.225	6.435 924	617
0.026	6.500 853	66	0.076	6.494 509	191	0.126	6.481 763	322	0.176	6.462 238	464	0.226	6.435 307	620
0.027	6.500 787	68	0.077	6.494 318	194	0.127	6.481 441	325	0.177	6.461 774	466	0.227	6.434 687	624
0.028	6.500 719	70	0.078	6.494 124	197	0.128	6.481 116	328	0.178	6.461 308	470	0.228	6.434 063	626
0.029	6.500 649		0.079	6.493 927		0.129	6.480 788		0.179	6.460 838		0.229	6.433 437	
		73			199			331			472			630
0.030	6.500 576		0.080	6.493 728		0.130	6.480 457		0.180	6.460 366		0.230	6.432 807	
		76			201			333			475			634
0.031	6.500 500	78	0.081	6.493 527	204	0.131	6.480 124	336	0.181	6.459 891	479	0.231	6.432 173	637
0.032	6.500 422	81	0.082	6.493 323	207	0.132	6.479 788	339	0.182	6.459 412	481	0.232	6.431 536	640
0.033	6.500 341	83	0.083	6.493 116	209	0.133	6.479 449	341	0.183	6.458 931	484	0.233	6.430 896	644
0.034	6.500 258	85	0.084	6.492 907	212	0.134	6.479 108	344	0.184	6.458 447	488	0.234	6.430 252	647
0.035	6.500 173	88	0.085	6.492 695	214	0.135	6.478 764	347	0.185	6.457 959	490	0.235	6.429 605	650
0.036	6.500 085	91	0.086	6.492 481	217	0.136	6.478 417	350	0.186	6.457 469	493	0.236	6.428 955	654
0.037	6.499 994	93	0.087	6.492 264	220	0.137	6.478 067	352	0.187	6.456 976	497	0.237	6.428 301	657
0.038	6.499 901	95	0.088	6.492 044	222	0.138	6.477 715	356	0.188	6.456 479	499	0.238	6.427 644	661
0.039	6.499 806		0.089	6.491 822		0.139	6.477 359		0.189	6.455 980		0.239	6.426 983	
		98			224			358			503			664
0.040	6.499 708		0.090	6.491 598		0.140	6.477 001		0.190	6.455 477		0.240	6.426 319	
		100			228			360			505			668
0.041	6.499 608	103	0.091	6.491 370	229	0.141	6.476 641	364	0.191	6.454 972	509	0.241	6.425 651	671
0.042	6.499 505	106	0.092	6.491 141	233	0.142	6.476 277	366	0.192	6.454 463	511	0.242	6.424 980	674
0.043	6.499 399	108	0.093	6.490 908	235	0.143	6.475 911	369	0.193	6.453 952	515	0.243	6.424 306	678
0.044	6.499 291	110	0.094	6.490 673	238	0.144	6.475 542	372	0.194	6.453 437	518	0.244	6.423 628	682
0.045	6.499 181	113	0.095	6.490 435	240	0.145	6.475 170	375	0.195	6.452 919	520	0.245	6.422 946	685
0.046	6.499 068	116	0.096	6.490 195	243	0.146	6.474 795	377	0.196	6.452 399	524	0.246	6.422 261	689
0.047	6.498 952	118	0.097	6.489 952	245	0.147	6.474 418	380	0.197	6.451 875	527	0.247	6.421 572	692
0.048	6.498 834	120	0.098	6.489 707	248	0.148	6.474 038	383	0.198	6.451 348	530	0.248	6.420 880	696
0.049	6.498 714	123	0.099	6.489 459	251	0.149	6.473 655	386	0.199	6.450 818	533	0.249	6.420 184	699
0.050	6.498 591		0.100	6.489 208		0.150	6.473 269		0.200	6.450 285		0.250	6.419 485	

Tafel XV.

Oppolzer's *M*-Tafel.

log. $\{M_1^3(m)\}$.

$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$
0.000	$8_n619\ 789$		0.050	$8_n606\ 560$		0.100	$8_n564\ 271$		0.150	$8_n483\ 112$		0.200	$8_n335\ 792$	
		6			543			1192			2155			4037
0.001	$8_n619\ 783$		0.051	$8_n606\ 017$		0.101	$8_n563\ 079$		0.151	$8_n480\ 957$		0.201	$8_n331\ 755$	
		15			554			1207			2179			4096
0.002	$8_n619\ 768$		0.052	$8_n605\ 463$		0.102	$8_n561\ 872$		0.152	$8_n478\ 778$		0.202	$8_n327\ 659$	
		26			566			1222			2205			4155
0.003	$8_n619\ 742$		0.053	$8_n604\ 897$		0.103	$8_n560\ 650$		0.153	$8_n476\ 573$		0.203	$8_n323\ 504$	
		37			577			1238			2231			4217
0.004	$8_n619\ 705$		0.054	$8_n604\ 320$		0.104	$8_n559\ 412$		0.154	$8_n474\ 342$		0.204	$8_n319\ 287$	
		47			589			1254			2256			4278
0.005	$8_n619\ 658$		0.055	$8_n603\ 731$		0.105	$8_n558\ 158$		0.155	$8_n472\ 086$		0.205	$8_n315\ 009$	
		57			601			1269			2284			4343
0.006	$8_n619\ 601$		0.056	$8_n603\ 130$		0.106	$8_n556\ 889$		0.156	$8_n469\ 802$		0.206	$8_n310\ 666$	
		68			612			1285			2310			4408
0.007	$8_n619\ 533$		0.057	$8_n602\ 518$		0.107	$8_n555\ 604$		0.157	$8_n467\ 492$		0.207	$8_n306\ 258$	
		78			625			1301			2337			4476
0.008	$8_n619\ 455$		0.058	$8_n601\ 893$		0.108	$8_n554\ 303$		0.158	$8_n465\ 155$		0.208	$8_n301\ 782$	
		89			635			1317			2365			4543
0.009	$8_n619\ 366$		0.059	$8_n601\ 258$		0.109	$8_n552\ 986$		0.159	$8_n462\ 790$		0.209	$8_n297\ 239$	
		99			648			1333			2393			4614
0.010	$8_n619\ 267$		0.060	$8_n600\ 610$		0.110	$8_n551\ 653$		0.160	$8_n460\ 397$		0.210	$8_n292\ 625$	
		109			660			1349			2422			4685
0.011	$8_n619\ 158$		0.061	$8_n599\ 950$		0.111	$8_n550\ 304$		0.161	$8_n457\ 975$		0.211	$8_n287\ 940$	
		120			671			1366			2450			4759
0.012	$8_n619\ 038$		0.062	$8_n599\ 279$		0.112	$8_n548\ 938$		0.162	$8_n455\ 525$		0.212	$8_n283\ 181$	
		131			684			1383			2480			4835
0.013	$8_n618\ 907$		0.063	$8_n598\ 595$		0.113	$8_n547\ 555$		0.163	$8_n453\ 045$		0.213	$8_n278\ 346$	
		141			695			1399			2509			4913
0.014	$8_n618\ 766$		0.064	$8_n597\ 900$		0.114	$8_n546\ 156$		0.164	$8_n450\ 536$		0.214	$8_n273\ 433$	
		152			708			1416			2539			4992
0.015	$8_n618\ 614$		0.065	$8_n597\ 192$		0.115	$8_n544\ 740$		0.165	$8_n447\ 997$		0.215	$8_n268\ 441$	
		162			720			1434			2569			5073
0.016	$8_n618\ 452$		0.066	$8_n596\ 472$		0.116	$8_n543\ 306$		0.166	$8_n445\ 428$		0.216	$8_n263\ 368$	
		172			732			1450			2601			5158
0.017	$8_n618\ 280$		0.067	$8_n595\ 740$		0.117	$8_n541\ 856$		0.167	$8_n442\ 827$		0.217	$8_n258\ 210$	
		183			744			1468			2632			5244
0.018	$8_n618\ 097$		0.068	$8_n594\ 996$		0.118	$8_n540\ 388$		0.168	$8_n440\ 195$		0.218	$8_n252\ 966$	
		194			756			1486			2664			5332
0.019	$8_n617\ 903$		0.069	$8_n594\ 240$		0.119	$8_n538\ 902$		0.169	$8_n437\ 531$		0.219	$8_n247\ 634$	
		204			769			1503			2696			5424
0.020	$8_n617\ 699$		0.070	$8_n593\ 471$		0.120	$8_n537\ 399$		0.170	$8_n434\ 835$		0.220	$8_n242\ 210$	
		215			782			1521			2729			5518
0.021	$8_n617\ 484$		0.071	$8_n592\ 689$		0.121	$8_n535\ 878$		0.171	$8_n432\ 106$		0.221	$8_n236\ 692$	
		225			794			1539			2763			5613
0.022	$8_n617\ 259$		0.072	$8_n591\ 895$		0.122	$8_n534\ 339$		0.172	$8_n429\ 343$		0.222	$8_n231\ 079$	
		236			806			1557			2797			5714
0.023	$8_n617\ 023$		0.073	$8_n591\ 089$		0.123	$8_n532\ 782$		0.173	$8_n426\ 546$		0.223	$8_n225\ 365$	
		247			820			1576			2831			5815
0.024	$8_n616\ 776$		0.074	$8_n590\ 269$		0.124	$8_n531\ 206$		0.174	$8_n423\ 715$		0.224	$8_n219\ 550$	
		257			832			1594			2866			5922
0.025	$8_n616\ 519$		0.075	$8_n589\ 437$		0.125	$8_n529\ 612$		0.175	$8_n420\ 849$		0.225	$8_n213\ 628$	
		268			844			1613			2902			6030
0.026	$8_n616\ 251$		0.076	$8_n588\ 593$		0.126	$8_n527\ 999$		0.176	$8_n417\ 947$		0.226	$8_n207\ 598$	
		278			858			1632			2938			6142
0.027	$8_n615\ 973$		0.077	$8_n587\ 735$		0.127	$8_n526\ 367$		0.177	$8_n415\ 009$		0.227	$8_n201\ 456$	
		290			870			1651			2974			6258
0.028	$8_n615\ 683$		0.078	$8_n586\ 865$		0.128	$8_n524\ 716$		0.178	$8_n412\ 035$		0.228	$8_n195\ 198$	
		300			884			1670			3013			6377
0.029	$8_n615\ 383$		0.079	$8_n585\ 981$		0.129	$8_n523\ 046$		0.179	$8_n409\ 022$		0.229	$8_n188\ 821$	
		310			897			1690			3050			6502
0.030	$8_n615\ 073$		0.080	$8_n585\ 084$		0.130	$8_n521\ 356$		0.180	$8_n405\ 972$		0.230	$8_n182\ 319$	
		322			909			1710			3089			6629
0.031	$8_n614\ 751$		0.081	$8_n584\ 175$		0.131	$8_n519\ 646$		0.181	$8_n402\ 883$		0.231	$8_n175\ 690$	
		332			923			1729			3129			6761
0.032	$8_n614\ 419$		0.082	$8_n583\ 252$		0.132	$8_n517\ 917$		0.182	$8_n399\ 754$		0.232	$8_n168\ 929$	
		343			937			1750			3168			6898
0.033	$8_n614\ 076$		0.083	$8_n582\ 315$		0.133	$8_n516\ 167$		0.183	$8_n396\ 586$		0.233	$8_n162\ 031$	
		354			950			1770			3210			7039
0.034	$8_n613\ 722$		0.084	$8_n581\ 365$		0.134	$8_n514\ 397$		0.184	$8_n393\ 376$		0.234	$8_n154\ 992$	
		365			963			1791			3251			7187
0.035	$8_n613\ 357$		0.085	$8_n580\ 402$		0.135	$8_n512\ 606$		0.185	$8_n390\ 125$		0.235	$8_n147\ 805$	
		376			977			1811			3293			7339
0.036	$8_n612\ 981$		0.086	$8_n579\ 425$		0.136	$8_n510\ 795$		0.186	$8_n386\ 832$		0.236	$8_n140\ 466$	
		386			990			1832			3337			7497
0.037	$8_n612\ 595$		0.087	$8_n578\ 435$		0.137	$8_n508\ 963$		0.187	$8_n383\ 495$		0.237	$8_n132\ 969$	
		398			1005			1854			3380			7661
0.038	$8_n612\ 197$		0.088	$8_n577\ 430$		0.138	$8_n507\ 109$		0.188	$8_n380\ 115$		0.238	$8_n125\ 308$	
		408			1018			1875			3426			7832
0.039	$8_n611\ 789$		0.089	$8_n576\ 412$		0.139	$8_n505\ 234$		0.189	$8_n376\ 689$		0.239	$8_n117\ 476$	
		420			1032			1897			3470			8010
0.040	$8_n611\ 369$		0.090	$8_n575\ 380$		0.140	$8_n503\ 337$		0.190	$8_n373\ 219$		0.240	$8_n109\ 466$	
		430			1046			1919			3518			8195
0.041	$8_n610\ 939$		0.091	$8_n574\ 334$		0.141	$8_n501\ 418$		0.191	$8_n369\ 701$		0.241	$8_n101\ 271$	
		442			1060			1942			3564			8387
0.042	$8_n610\ 497$		0.092	$8_n573\ 274$		0.142	$8_n499\ 476$		0.192	$8_n366\ 137$		0.242	$8_n092\ 884$	
		453			1075			1964			3613			8588
0.043	$8_n610\ 044$		0.093	$8_n572\ 199$		0.143	$8_n497\ 512$		0.193	$8_n362\ 524$		0.243	$8_n084\ 296$	
		464			1088			1986			3663			8798
0.044	$8_n609\ 580$		0.094	$8_n571\ 111$		0.144	$8_n495\ 526$		0.194	$8_n358\ 861$		0.244	$8_n075\ 498$	
		475			1104			2010			3713			9017
0.045	$8_n609\ 105$		0.095	$8_n570\ 007$		0.145	$8_n493\ 516$		0.195	$8_n355\ 148$		0.245	$8_n066\ 481$	
		486			1117			2033			3764			9246
0.046	$8_n608\ 619$		0.096	$8_n568\ 890$		0.146	$8_n491\ 483$		0.196	$8_n351\ 384$		0.246	$8_n057\ 235$	
		498			1133			2057			3817			9487
0.047	$8_n608\ 121$		0.097	$8_n567\ 757$		0.147	$8_n489\ 426$		0.197	$8_n347\ 567$		0.247	$8_n047\ 748$	
		509			1147			2080			3870			9738
0.048	$8_n607\ 612$		0.098	$8_n566\ 610$		0.148	$8_n487\ 346$		0.198	$8_n343\ 697$		0.248	$8_n038\ 010$	
		520			1162			2105			3924			10002
0.049	$8_n607\ 092$		0.099	$8_n565\ 448$		0.149	$8_n485\ 241$		0.199	$8_n339\ 773$		0.249	$8_n028\ 008$	
		532			1177			2129			3981			10279
0.050	$8_n606\ 560$		0.100	$8_n564\ 271$		0.150	$8_n483\ 112$		0.200	$8_n335\ 792$		0.250	$8_n017\ 729$	

Tafel XV.

Oppolzer's *M*-Tafel.

log. $\{M_1^4(m)\}$.

$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$
0.000	9n318 759	1	0.050	9n317 889	35	0.100	9n315 270	70	0.150	9n310 870	106	0.200	9n304 634	144
0.001	9n318 758	1	0.051	9n317 854	36	0.101	9n315 200	71	0.151	9n310 764	107	0.201	9n304 490	145
0.002	9n318 757	1	0.052	9n317 818	36	0.102	9n315 129	72	0.152	9n310 657	108	0.202	9n304 345	145
0.003	9n318 756	3	0.053	9n317 782	38	0.103	9n315 057	72	0.153	9n310 549	109	0.203	9n304 200	146
0.004	9n318 753	3	0.054	9n317 744	38	0.104	9n314 985	74	0.154	9n310 440	110	0.204	9n304 054	147
0.005	9n318 750	4	0.055	9n317 706	38	0.105	9n314 911	74	0.155	9n310 330	110	0.205	9n303 907	148
0.006	9n318 746	4	0.056	9n317 668	40	0.106	9n314 837	74	0.156	9n310 220	111	0.206	9n303 759	149
0.007	9n318 742	5	0.057	9n317 628	40	0.107	9n314 763	76	0.157	9n310 109	111	0.207	9n303 610	149
0.008	9n318 737	6	0.058	9n317 588	40	0.108	9n314 687	76	0.158	9n309 998	113	0.208	9n303 461	150
0.009	9n318 731	7	0.059	9n317 548	42	0.109	9n314 611	77	0.159	9n309 885	113	0.209	9n303 311	151
0.010	9n318 724	7	0.060	9n317 506	42	0.110	9n314 534	77	0.160	9n309 772	114	0.210	9n303 160	152
0.011	9n318 717	8	0.061	9n317 464	43	0.111	9n314 457	78	0.161	9n309 658	114	0.211	9n303 008	152
0.012	9n318 709	9	0.062	9n317 421	43	0.112	9n314 379	79	0.162	9n309 544	116	0.212	9n302 856	153
0.013	9n318 700	9	0.063	9n317 378	45	0.113	9n314 300	80	0.163	9n309 428	116	0.213	9n302 703	154
0.014	9n318 691	10	0.064	9n317 333	45	0.114	9n314 220	81	0.164	9n309 312	117	0.214	9n302 549	155
0.015	9n318 681	11	0.065	9n317 288	45	0.115	9n314 139	81	0.165	9n309 195	117	0.215	9n302 394	155
0.016	9n318 670	12	0.066	9n317 243	47	0.116	9n314 058	82	0.166	9n309 078	119	0.216	9n302 239	157
0.017	9n318 658	12	0.067	9n317 196	47	0.117	9n313 976	82	0.167	9n308 959	119	0.217	9n302 082	157
0.018	9n318 646	13	0.068	9n317 149	48	0.118	9n313 894	83	0.168	9n308 840	120	0.218	9n301 925	158
0.019	9n318 633	13	0.069	9n317 101	48	0.119	9n313 811	84	0.169	9n308 720	120	0.219	9n301 767	158
0.020	9n318 620	14	0.070	9n317 053	49	0.120	9n313 727	85	0.170	9n308 600	121	0.220	9n301 609	160
0.021	9n318 606	15	0.071	9n317 004	50	0.121	9n313 642	86	0.171	9n308 479	122	0.221	9n301 449	160
0.022	9n318 591	16	0.072	9n316 954	51	0.122	9n313 556	86	0.172	9n308 357	123	0.222	9n301 289	161
0.023	9n318 575	16	0.073	9n316 903	51	0.123	9n313 470	87	0.173	9n308 234	124	0.223	9n301 128	162
0.024	9n318 559	17	0.074	9n316 852	52	0.124	9n313 383	87	0.174	9n308 110	124	0.224	9n300 966	162
0.025	9n318 542	18	0.075	9n316 800	53	0.125	9n313 296	88	0.175	9n307 986	125	0.225	9n300 804	164
0.026	9n318 524	19	0.076	9n316 747	53	0.126	9n313 208	89	0.176	9n307 861	126	0.226	9n300 640	164
0.027	9n318 505	19	0.077	9n316 694	54	0.127	9n313 119	90	0.177	9n307 735	126	0.227	9n300 476	165
0.028	9n318 486	20	0.078	9n316 640	55	0.128	9n313 029	91	0.178	9n307 609	128	0.228	9n300 311	165
0.029	9n318 466	20	0.079	9n316 585	56	0.129	9n312 938	91	0.179	9n307 481	128	0.229	9n300 146	167
0.030	9n318 446	21	0.080	9n316 529	56	0.130	9n312 847	92	0.180	9n307 353	128	0.230	9n299 979	167
0.031	9n318 425	22	0.081	9n316 473	57	0.131	9n312 755	93	0.181	9n307 225	130	0.231	9n299 812	168
0.032	9n318 403	23	0.082	9n316 416	57	0.132	9n312 662	93	0.182	9n307 095	130	0.232	9n299 644	169
0.033	9n318 380	23	0.083	9n316 359	59	0.133	9n312 569	94	0.183	9n306 965	131	0.233	9n299 475	170
0.034	9n318 357	24	0.084	9n316 300	59	0.134	9n312 475	95	0.184	9n306 834	132	0.234	9n299 305	170
0.035	9n318 333	25	0.085	9n316 241	60	0.135	9n312 380	95	0.185	9n306 702	133	0.235	9n299 135	171
0.036	9n318 308	25	0.086	9n316 181	60	0.136	9n312 285	97	0.186	9n306 569	133	0.236	9n298 964	172
0.037	9n318 283	26	0.087	9n316 121	61	0.137	9n312 188	97	0.187	9n306 436	134	0.237	9n298 792	173
0.038	9n318 257	27	0.088	9n316 060	62	0.138	9n312 091	97	0.188	9n306 302	135	0.238	9n298 619	174
0.039	9n318 230	27	0.089	9n315 998	63	0.139	9n311 994	99	0.189	9n306 167	135	0.239	9n298 445	174
0.040	9n318 203	29	0.090	9n315 935	63	0.140	9n311 895	99	0.190	9n306 032	137	0.240	9n298 271	175
0.041	9n318 174	29	0.091	9n315 872	64	0.141	9n311 796	100	0.191	9n305 895	137	0.241	9n298 096	176
0.042	9n318 145	29	0.092	9n315 808	65	0.142	9n311 696	101	0.192	9n305 758	138	0.242	9n297 920	177
0.043	9n318 116	30	0.093	9n315 743	65	0.143	9n311 595	101	0.193	9n305 620	138	0.243	9n297 743	178
0.044	9n318 086	31	0.094	9n315 678	66	0.144	9n311 494	102	0.194	9n305 482	140	0.244	9n297 565	178
0.045	9n318 055	32	0.095	9n315 612	67	0.145	9n311 392	103	0.195	9n305 342	140	0.245	9n297 387	180
0.046	9n318 023	32	0.096	9n315 545	68	0.146	9n311 289	104	0.196	9n305 202	141	0.246	9n297 207	180
0.047	9n317 991	33	0.097	9n315 477	68	0.147	9n311 185	104	0.197	9n305 061	141	0.247	9n297 027	180
0.048	9n317 958	34	0.098	9n315 409	69	0.148	9n311 081	105	0.198	9n304 920	143	0.248	9n296 847	182
0.049	9n317 924	35	0.099	9n315 340	70	0.149	9n310 976	106	0.199	9n304 777	143	0.249	9n296 665	183
0.050	9n317 889		0.100	9n315 270		0.150	9n310 870		0.200	9n304 634		0.250	9n296 482	

Tafel XV.

Oppolzer's *M*-Tafel.

$\log \{M_1^3(m)\}$.

$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$
0.000	7.670 941	6	0.050	7.656 243	603	0.100	7.609 239	1326	0.150	7.518 822	2406	0.200	7.352 986	4594
0.001	7.670 935	17	0.051	7.655 640	616	0.101	7.607 913	1342	0.151	7.516 416	2434	0.201	7.348 392	4664
0.002	7.670 918	29	0.052	7.655 024	629	0.102	7.606 571	1360	0.152	7.513 982	2464	0.202	7.343 728	4735
0.003	7.670 889	40	0.053	7.654 395	642	0.103	7.605 211	1377	0.153	7.511 518	2492	0.203	7.338 993	4808
0.004	7.670 849	52	0.054	7.653 753	655	0.104	7.603 834	1394	0.154	7.509 026	2523	0.204	7.334 185	4883
0.005	7.670 797	64	0.055	7.653 098	667	0.105	7.602 440	1412	0.155	7.506 503	2552	0.205	7.329 302	4961
0.006	7.670 733	75	0.056	7.652 431	680	0.106	7.601 028	1429	0.156	7.503 951	2583	0.206	7.324 341	5039
0.007	7.670 658	87	0.057	7.651 751	694	0.107	7.599 599	1447	0.157	7.501 368	2614	0.207	7.319 302	5121
0.008	7.670 571	99	0.058	7.651 057	707	0.108	7.598 152	1465	0.158	7.498 754	2646	0.208	7.314 181	5203
0.009	7.670 472		0.059	7.650 350		0.109	7.596 687		0.159	7.496 108		0.209	7.308 978	
		110			719			1483			2677			5289
0.010	7.670 362	122	0.060	7.649 631	733	0.110	7.595 204	1501	0.160	7.493 431	2709	0.210	7.303 689	5376
0.011	7.670 240	133	0.061	7.648 898	746	0.111	7.593 703	1520	0.161	7.490 722	2743	0.211	7.298 313	5467
0.012	7.670 107	145	0.062	7.648 152	760	0.112	7.592 183	1538	0.162	7.487 979	2776	0.212	7.292 846	5559
0.013	7.669 962	157	0.063	7.647 392	773	0.113	7.590 645	1557	0.163	7.485 203	2809	0.213	7.287 287	5655
0.014	7.669 805	168	0.064	7.646 619	786	0.114	7.589 088	1576	0.164	7.482 394	2844	0.214	7.281 632	5753
0.015	7.669 637	180	0.065	7.645 833	800	0.115	7.587 512	1595	0.165	7.479 550	2879	0.215	7.275 879	5853
0.016	7.669 457	192	0.066	7.645 033	813	0.116	7.585 917	1615	0.166	7.476 671	2915	0.216	7.270 026	5957
0.017	7.669 265	204	0.067	7.644 220	827	0.117	7.584 302	1633	0.167	7.473 756	2950	0.217	7.264 069	6065
0.018	7.669 061	215	0.068	7.643 393	841	0.118	7.582 669	1654	0.168	7.470 806	2987	0.218	7.258 004	6176
0.019	7.668 846		0.069	7.642 552		0.119	7.581 015		0.169	7.467 819		0.219	7.251 828	
		227			855			1673			3024			6289
0.020	7.668 619	238	0.070	7.641 697	868	0.120	7.579 342	1693	0.170	7.464 795	3062	0.220	7.245 539	6407
0.021	7.668 381	251	0.071	7.640 829	883	0.121	7.577 649	1713	0.171	7.461 733	3100	0.221	7.239 132	6529
0.022	7.668 130	262	0.072	7.639 946	896	0.122	7.575 936	1734	0.172	7.458 633	3139	0.222	7.232 603	6654
0.023	7.667 868	274	0.073	7.639 050	910	0.123	7.574 202	1754	0.173	7.455 494	3180	0.223	7.225 949	6784
0.024	7.667 594	285	0.074	7.638 140	925	0.124	7.572 448	1775	0.174	7.452 314	3219	0.224	7.219 165	6917
0.025	7.667 309	298	0.075	7.637 215	939	0.125	7.570 673	1797	0.175	7.449 095	3260	0.225	7.212 248	7058
0.026	7.667 011	310	0.076	7.636 276	953	0.126	7.568 876	1817	0.176	7.445 835	3303	0.226	7.205 190	7201
0.027	7.666 701	321	0.077	7.635 323	967	0.127	7.567 059	1839	0.177	7.442 532	3345	0.227	7.197 989	7350
0.028	7.666 380	333	0.078	7.634 356	982	0.128	7.565 220	1860	0.178	7.439 187	3388	0.228	7.190 639	7505
0.029	7.666 047		0.079	7.633 374		0.129	7.563 360		0.179	7.435 799		0.229	7.183 134	
		346			997			1883			3433			7666
0.030	7.665 701	357	0.080	7.632 377	1011	0.130	7.561 477	1904	0.180	7.432 366	3477	0.230	7.175 468	7832
0.031	7.665 344	369	0.081	7.631 366	1026	0.131	7.559 573	1927	0.181	7.428 889	3523	0.231	7.167 636	8006
0.032	7.664 975	382	0.082	7.630 340	1041	0.132	7.557 646	1950	0.182	7.425 366	3570	0.232	7.159 630	8186
0.033	7.664 593	393	0.083	7.629 299	1056	0.133	7.555 696	1973	0.183	7.421 796	3617	0.233	7.151 444	8374
0.034	7.664 200	405	0.084	7.628 243	1071	0.134	7.553 723	1995	0.184	7.418 179	3666	0.234	7.143 070	8570
0.035	7.663 795	418	0.085	7.627 172	1085	0.135	7.551 728	2019	0.185	7.414 513	3715	0.235	7.134 500	8774
0.036	7.663 377	429	0.086	7.626 087	1101	0.136	7.549 709	2043	0.186	7.410 798	3766	0.236	7.125 726	8987
0.037	7.662 948	442	0.087	7.624 986	1117	0.137	7.547 666	2067	0.187	7.407 032	3817	0.237	7.116 739	9211
0.038	7.662 506	454	0.088	7.623 869	1132	0.138	7.545 599	2091	0.188	7.403 215	3870	0.238	7.107 528	9443
0.039	7.662 052		0.089	7.622 737		0.139	7.543 508		0.189	7.399 345		0.239	7.098 085	
		466			1147			2115			3922			9687
0.040	7.661 586	478	0.090	7.621 590	1163	0.140	7.541 393	2140	0.190	7.395 423	3978	0.240	7.088 398	9943
0.041	7.661 108	491	0.091	7.620 427	1179	0.141	7.539 253	2166	0.191	7.391 445	4033	0.241	7.078 455	10211
0.042	7.660 617	503	0.092	7.619 248	1194	0.142	7.537 087	2190	0.192	7.387 412	4090	0.242	7.068 244	10494
0.043	7.660 114	516	0.093	7.618 054	1211	0.143	7.534 897	2217	0.193	7.383 322	4149	0.243	7.057 750	10791
0.044	7.659 598	528	0.094	7.616 843	1226	0.144	7.532 680	2243	0.194	7.379 173	4208	0.244	7.046 959	11105
0.045	7.659 070	540	0.095	7.615 617	1243	0.145	7.530 437	2268	0.195	7.374 965	4268	0.245	7.035 854	11433
0.046	7.658 530	553	0.096	7.614 374	1259	0.146	7.528 169	2296	0.196	7.370 697	4331	0.246	7.024 421	11786
0.047	7.657 977	565	0.097	7.613 115	1276	0.147	7.525 873	2323	0.197	7.366 366	4395	0.247	7.012 635	12151
0.048	7.657 412	578	0,098	7.611 839	1292	0.148	7.523 550	2350	0.198	7.361 971	4459	0.248	7.000 484	12545
0.049	7.656 834	591	0.099	7.610 547	1308	0.149	7.521 200	2378	0.199	7.357 512	4526	0.249	6.987 939	12962
0.050	7.656 243		0.100	7.609 239		0.150	7.518 822		0.200	7.352 986		0.250	6.974 977	

Tafel XV.

Oppolzer's *M*-Tafel.

$\log \{M_1^6(m)\}$.

± m	M	−Δ	+ m	M	−Δ	± m	M	−Δ	± m	M	−Δ	+ m	M	−Δ
0.000	8.652 877		0.050	8.651 702		0.100	8.648 165		0.150	8.642 224		0.200	8.633 813	
		0			47			95			143			194
0.001	8.652 877		0.051	8.651 655		0.101	8.648 070		0.151	8.642 081		0.201	8.633 619	
		2			49			96			145			195
0.002	8.652 875		0.052	8.651 606		0.102	8.647 974		0.152	8.641 936		0.202	8.633 424	
		2			49			97			146			196
0.003	8.652 873		0.053	8.651 557		0.103	8.647 877		0.153	8.641 790		0.203	8.633 228	
		3			50			98			146			197
0.004	8.652 870		0.054	8.651 507		0.104	8.647 779		0.154	8.641 644		0.204	8.633 031	
		4			52			99			148			198
0.005	8.652 866		0.055	8.651 455		0.105	8.647 680		0.155	8.641 496		0.205	8.632 833	
		6			52			100			149			199
0.006	8.652 860		0.056	8.651 403		0.106	8.647 580		0.156	8.641 347		0.206	8.632 634	
		6			53			101			149			201
0.007	8.652 854		0.057	8.651 350		0.107	8.647 479		0.157	8.641 198		0.207	8.632 433	
		7			54			102			151			201
0.008	8.652 847		0.058	8.651 296		0.108	8.647 377		0.158	8.641 047		0.208	8.632 232	
		8			55			103			152			202
0.009	8.652 839		0.059	8.651 241		0.109	8.647 274		0.159	8.640 895		0.209	8.632 030	
		9			56			103			152			204
0.010	8.652 830		0.060	8.651 185		0.110	8.647 171		0.160	8.640 743		0.210	8.631 826	
		10			57			105			154			204
0.011	8.652 820		0.061	8.651 128		0.111	8.647 066		0.161	8.640 589		0.211	8.631 622	
		10			58			106			155			205
0.012	8.652 810		0.062	8.651 070		0.112	8.646 960		0.162	8.640 434		0.212	8.631 417	
		12			59			106			155			207
0.013	8.652 798		0.063	8.651 011		0.113	8.646 854		0.163	8.640 279		0.213	8.631 210	
		13			60			108			157			207
0.014	8.652 785		0.064	8.650 951		0.114	8.646 746		0.164	8.640 122		0.214	8.631 003	
		13			61			109			158			209
0.015	8.652 772		0.065	8.650 890		0.115	8.646 637		0.165	8.639 964		0.215	8.630 794	
		15			61			109			158			209
0.016	8.652 757		0.066	8.650 829		0.116	8.646 528		0.166	8.639 806		0.216	8.630 585	
		16			63			111			160			211
0.017	8.652 741		0.067	8.650 766		0.117	8.646 417		0.167	8.639 646		0.217	8.630 374	
		16			64			111			160			212
0.018	8.652 725		0.068	8.650 702		0.118	8.646 306		0.168	8.639 486		0.218	8.630 162	
		17			64			113			162			212
0.019	8.652 708		0.069	8.650 638		0.119	8.646 193		0.169	8.639 324		0.219	8.629 950	
		19			66			113			163			214
0.020	8.652 689		0.070	8.650 572		0.120	8.646 080		0.170	8.639 161		0.220	8.629 736	
		19			66			114			163			215
0.021	8.652 670		0.071	8.650 506		0.121	8.645 966		0.171	8.638 998		0.221	8.629 521	
		20			67			116			165			216
0.022	8.652 650		0.072	8.650 439		0.122	8.645 850		0.172	8.638 833		0.222	8.629 305	
		21			69			116			165			217
0.023	8.652 629		0.073	8.650 370		0.123	8.645 734		0.173	8.638 668		0.223	8.629 088	
		22			69			117			167			218
0.024	8.652 607		0.074	8.650 301		0.124	8.645 617		0.174	8.638 501		0.224	8.628 870	
		23			70			119			168			219
0.025	8.652 584		0.075	8.650 231		0.125	8.645 498		0.175	8.638 333		0.225	8.628 651	
		24			71			119			168			220
0.026	8.652 560		0.076	8.650 160		0.126	8.645 379		0.176	8.638 165		0.226	8.628 431	
		25			73			120			170			221
0.027	8.652 535		0.077	8.650 087		0.127	8.645 259		0.177	8.637 995		0.227	8.628 210	
		26			73			121			171			222
0.028	8.652 509		0.078	8.650 014		0.128	8.645 138		0.178	8.637 824		0.228	8.627 988	
		27			74			122			171			223
0.029	8.652 482		0.079	8.649 940		0.129	8.645 016		0.179	8.637 653		0.229	8.627 765	
		27			75			123			173			224
0.030	8.652 455		0.080	8.649 865		0.130	8.644 893		0.180	8.637 480		0.230	8.627 541	
		29			76			125			174			226
0.031	8.652 426		0.081	8.649 789		0.131	8.644 768		0.181	8.637 306		0.231	8.627 315	
		30			77			125			174			226
0.032	8.652 396		0.082	8.649 712		0.132	8.644 643		0.182	8.637 132		0.232	8.627 089	
		30			77			126			176			228
0.033	8.652 366		0.083	8.649 635		0.133	8.644 517		0.183	8.636 956		0.233	8.626 861	
		32			79			127			177			228
0.034	8.652 334		0.084	8.649 556		0.134	8.644 390		0.184	8.636 779		0.234	8.626 633	
		32			80			128			178			230
0.035	8.652 302		0.085	8.649 476		0.135	8.644 262		0.185	8.636 601		0.235	8.626 403	
		34			81			129			178			230
0.036	8.652 268		0.086	8.649 395		0.136	8.644 133		0.186	8.636 423		0.236	8.626 173	
		34			81			130			180			232
0.037	8.652 234		0.087	8.649 314		0.137	8.644 003		0.187	8.636 243		0.237	8.625 941	
		35			83			131			181			233
0.038	8.652 199		0.088	8.649 231		0.138	8.643 872		0.188	8.636 062		0.238	8.625 708	
		36			84			132			182			234
0.039	8.652 163		0.089	8.649 147		0.139	8.643 740		0.189	8.635 880		0.239	8.625 474	
		37			84			132			182			235
0.040	8.652 126		0.090	8.649 063		0.140	8.643 608		0.190	8.635 698		0.240	8.625 239	
		38			86			134			184			236
0.041	8.652 088		0.091	8.648 977		0.141	8.643 474		0.191	8.635 514		0.241	8.625 003	
		39			86			135			185			237
0.042	8.652 049		0.092	8.648 891		0.142	8.643 339		0.192	8.635 329		0.242	8.624 766	
		40			87			136			186			238
0.043	8.652 009		0.093	8.648 804		0.143	8.643 203		0.193	8.635 143		0.243	8.624 528	
		41			89			137			187			239
0.044	8.651 968		0.094	8.648 715		0.144	8.643 066		0.194	8.634 956		0.244	8.624 289	
		42			89			138			188			240
0.045	8.651 926		0.095	8.648 626		0.145	8.642 928		0.195	8.634 768		0.245	8.624 049	
		43			91			138			189			241
0.046	8.651 883		0.096	8.648 535		0.146	8.642 790		0.196	8.634 579		0.246	8.623 808	
		44			91			140			190			243
0.047	8.651 839		0.097	8.648 444		0.147	8.642 650		0.197	8.634 389		0.247	8.623 565	
		44			92			141			191			243
0.048	8.651 795		0.098	8.648 352		0.148	8.642 509		0.198	8.634 198		0.248	8.623 322	
		46			93			142			192			245
0.049	8.651 749		0.099	8.648 259		0.149	8.642 367		0.199	8.634 006		0.249	8.623 077	
		47			94			143			193			245
0.050	8.651 702		0.100	8.648 165		0.150	8.642 224		0.200	8.633 813		0.250	8.622 832	

Tafel XV.

Oppolzer's *M*-Tafel.

log $\{M_1^7(m)\}$.

± m	M	−Δ	± m	M	−Δ	± m	M	−Δ	± m	M	−Δ	± m	M	−Δ
0.000	$6_n843\ 572$	6	0.050	$6_n828\ 344$	625	0.100	$6_n779\ 638$	1374	0.150	$6_n685\ 855$	2498	0.200	$6_n513\ 122$	4806
0.001	$6_n843\ 566$	18	0.051	$6_n827\ 719$	638	0.101	$6_n778\ 264$	1392	0.151	$6_n683\ 357$	2528	0.201	$6_n508\ 316$	4880
0.002	$6_n843\ 548$	30	0.052	$6_n827\ 081$	652	0.102	$6_n776\ 872$	1409	0.152	$6_n680\ 829$	2558	0.202	$6_n503\ 436$	4956
0.003	$6_n843\ 518$	42	0.053	$6_n826\ 429$	664	0.103	$6_n775\ 463$	1427	0.153	$6_n678\ 271$	2589	0.203	$6_n498\ 480$	5034
0.004	$6_n843\ 476$	54	0.054	$6_n825\ 765$	679	0.104	$6_n774\ 036$	1445	0.154	$6_n675\ 682$	2620	0.204	$6_n493\ 446$	5115
0.005	$6_n843\ 422$	66	0.055	$6_n825\ 086$	691	0.105	$6_n772\ 591$	1463	0.155	$6_n673\ 062$	2651	0.205	$6_n488\ 331$	5197
0.006	$6_n843\ 356$	78	0.056	$6_n824\ 395$	705	0.106	$6_n771\ 128$	1482	0.156	$6_n670\ 411$	2683	0.206	$6_n483\ 134$	5282
0.007	$6_n843\ 278$	90	0.057	$6_n823\ 690$	719	0.107	$6_n769\ 646$	1499	0.157	$6_n667\ 728$	2716	0.207	$6_n477\ 852$	5368
0.008	$6_n843\ 188$	102	0.058	$6_n822\ 971$	732	0.108	$6_n768\ 147$	1519	0.158	$6_n665\ 012$	2748	0.208	$6_n472\ 484$	5458
0.009	$6_n843\ 086$		0.059	$6_n822\ 239$		0.109	$6_n766\ 628$		0.159	$6_n662\ 264$		0.209	$6_n467\ 026$	
		114			745			1537			2782			5549
0.010	$6_n842\ 972$	126	0.060	$6_n821\ 494$	760	0.110	$6_n765\ 091$	1557	0.160	$6_n659\ 482$	2815	0.210	$6_n461\ 477$	5644
0.011	$6_n842\ 846$	139	0.061	$6_n820\ 734$	773	0.111	$6_n763\ 534$	1575	0.161	$6_n656\ 667$	2850	0.211	$6_n455\ 833$	5740
0.012	$6_n842\ 707$	150	0.062	$6_n819\ 961$	787	0.112	$6_n761\ 959$	1595	0.162	$6_n653\ 817$	2885	0.212	$6_n450\ 093$	5840
0.013	$6_n842\ 557$	162	0.063	$6_n819\ 174$	801	0.113	$6_n760\ 364$	1614	0.163	$6_n650\ 932$	2921	0.213	$6_n444\ 253$	5943
0.014	$6_n842\ 395$	175	0.064	$6_n818\ 373$	814	0.114	$6_n758\ 750$	1634	0.164	$6_n648\ 011$	2956	0.214	$6_n438\ 310$	6049
0.015	$6_n842\ 220$	186	0.065	$6_n817\ 559$	829	0.115	$6_n757\ 116$	1654	0.165	$6_n645\ 055$	2993	0.215	$6_n432\ 261$	6158
0.016	$6_n842\ 034$	199	0.066	$6_n816\ 730$	843	0.116	$6_n755\ 462$	1673	0.166	$6_n642\ 062$	3030	0.216	$6_n426\ 103$	6270
0.017	$6_n841\ 835$	210	0.067	$6_n815\ 887$	857	0.117	$6_n753\ 789$	1694	0.167	$6_n639\ 032$	3068	0.217	$6_n419\ 833$	6387
0.018	$6_n841\ 625$	223	0.068	$6_n815\ 030$	871	0.118	$6_n752\ 095$	1715	0.168	$6_n635\ 964$	3106	0.218	$6_n413\ 446$	6506
0.019	$6_n841\ 402$		0.069	$6_n814\ 159$		0.119	$6_n750\ 380$		0.169	$6_n632\ 858$		0.219	$6_n406\ 940$	
		235			885			1734			3145			6631
0.020	$6_n841\ 167$	248	0.070	$6_n813\ 274$	900	0.120	$6_n748\ 646$	1756	0.170	$6_n629\ 713$	3185	0.220	$6_n400\ 309$	6758
0.021	$6_n840\ 919$	259	0.071	$6_n812\ 374$	914	0.121	$6_n746\ 890$	1777	0.171	$6_n626\ 528$	3225	0.221	$6_n393\ 551$	6890
0.022	$6_n840\ 660$	272	0.072	$6_n811\ 460$	929	0.122	$6_n745\ 113$	1797	0.172	$6_n623\ 303$	3266	0.222	$6_n386\ 661$	7028
0.023	$6_n840\ 388$	283	0.073	$6_n810\ 531$	943	0.123	$6_n743\ 316$	1820	0.173	$6_n620\ 037$	3308	0.223	$6_n379\ 633$	7169
0.024	$6_n840\ 105$	297	0.074	$6_n809\ 588$	958	0.124	$6_n741\ 496$	1841	0.174	$6_n616\ 729$	3351	0.224	$6_n372\ 464$	7316
0.025	$6_n839\ 808$	308	0.075	$6_n808\ 630$	973	0.125	$6_n739\ 655$	1862	0.175	$6_n613\ 378$	3393	0.225	$6_n365\ 148$	7468
0.026	$6_n839\ 500$	321	0.076	$6_n807\ 657$	988	0.126	$6_n737\ 793$	1885	0.176	$6_n609\ 985$	3438	0.226	$6_n357\ 680$	7626
0.027	$6_n839\ 179$	333	0.077	$6_n806\ 669$	1002	0.127	$6_n735\ 908$	1907	0.177	$6_n606\ 547$	3483	0.227	$6_n350\ 054$	7790
0.028	$6_n838\ 846$	345	0.078	$6_n805\ 667$	1018	0.128	$6_n734\ 001$	1930	0.178	$6_n603\ 064$	3528	0.228	$6_n342\ 264$	7960
0.029	$6_n838\ 501$		0.079	$6_n804\ 649$		0.129	$6_n732\ 071$		0.179	$6_n599\ 536$		0.229	$6_n334\ 304$	
		358			1033			1952			3575			8138
0.030	$6_n838\ 143$	370	0.080	$6_n803\ 616$	1048	0.130	$6_n730\ 119$	1976	0.180	$6_n595\ 961$	3622	0.230	$6_n326\ 166$	8322
0.031	$6_n837\ 773$	382	0.081	$6_n802\ 568$	1063	0.131	$6_n728\ 143$	1999	0.181	$6_n592\ 339$	3670	0.231	$6_n317\ 844$	8514
0.032	$6_n837\ 391$	395	0.082	$6_n801\ 505$	1078	0.132	$6_n726\ 144$	2022	0.182	$6_n588\ 669$	3719	0.232	$6_n309\ 330$	8714
0.033	$6_n836\ 996$	408	0.083	$6_n800\ 427$	1094	0.133	$6_n724\ 122$	2046	0.183	$6_n584\ 950$	3770	0.233	$6_n300\ 616$	8923
0.034	$6_n836\ 588$	419	0.084	$6_n799\ 333$	1110	0.134	$6_n722\ 076$	2071	0.184	$6_n581\ 180$	3821	0.234	$6_n291\ 693$	9142
0.035	$6_n836\ 169$	433	0.085	$6_n798\ 223$	1125	0.135	$6_n720\ 005$	2094	0.185	$6_n577\ 359$	3873	0.235	$6_n282\ 551$	9369
0.036	$6_n835\ 736$	445	0.086	$6_n797\ 098$	1141	0.136	$6_n717\ 911$	2120	0.186	$6_n573\ 486$	3926	0.236	$6_n273\ 182$	9608
0.037	$6_n835\ 291$	458	0.087	$6_n795\ 957$	1157	0.137	$6_n715\ 791$	2144	0.187	$6_n569\ 560$	3980	0.237	$6_n263\ 574$	9860
0.038	$6_n834\ 833$	470	0.088	$6_n794\ 800$	1173	0.138	$6_n713\ 647$	2169	0.188	$6_n565\ 580$	4037	0.238	$6_n253\ 714$	10120
0.039	$6_n834\ 363$		0.089	$6_n793\ 627$		0.139	$6_n711\ 478$		0.189	$6_n561\ 543$		0.239	$6_n243\ 594$	
		483			1189			2196			4092			10397
0.040	$6_n833\ 880$	496	0.090	$6_n792\ 438$	1205	0.140	$6_n709\ 282$	2220	0.190	$6_n557\ 451$	4151	0.240	$6_n233\ 197$	10686
0.041	$6_n833\ 384$	508	0.091	$6_n791\ 233$	1221	0.141	$6_n707\ 062$	2248	0.191	$6_n553\ 300$	4209	0.241	$6_n222\ 511$	10993
0.042	$6_n832\ 876$	521	0.092	$6_n790\ 012$	1238	0.142	$6_n704\ 814$	2273	0.192	$6_n549\ 091$	4270	0.242	$6_n211\ 518$	11313
0.043	$6_n832\ 355$	534	0.093	$6_n788\ 774$	1255	0.143	$6_n702\ 541$	2301	0.193	$6_n544\ 821$	4332	0.243	$6_n200\ 205$	11654
0.044	$6_n831\ 821$	547	0.094	$6_n787\ 519$	1271	0.144	$6_n700\ 240$	2327	0.194	$6_n540\ 489$	4394	0.244	$6_n188\ 551$	12013
0.045	$6_n831\ 274$	560	0.095	$6_n786\ 248$	1288	0.145	$6_n697\ 913$	2355	0.195	$6_n536\ 095$	4460	0.245	$6_n176\ 538$	12394
0.046	$6_n830\ 714$	573	0.096	$6_n784\ 960$	1305	0.146	$6_n695\ 558$	2383	0.196	$6_n531\ 635$	4525	0.246	$6_n164\ 144$	12799
0.047	$6_n830\ 141$	586	0.097	$6_n783\ 655$	1322	0.147	$6_n693\ 175$	2411	0.197	$6_n527\ 110$	4593	0.247	$6_n151\ 345$	13229
0.048	$6_n829\ 555$	599	0.098	$6_n782\ 333$	1339	0.148	$6_n690\ 764$	2440	0.198	$6_n522\ 517$	4662	0.248	$6_n138\ 116$	13686
0.049	$6_n828\ 956$	612	0.099	$6_n780\ 994$	1356	0.149	$6_n688\ 324$	2469	0.199	$6_n517\ 855$	4733	0.249	$6_n124\ 430$	14176
0.050	$6_n828\ 344$		0.100	$6_n779\ 638$		0.150	$6_n685\ 855$		0.200	$6_n513\ 122$		0.250	$6_n110\ 254$	

Tafel XV.

Oppolzer's *M*-Tafel.

$\log \{M_1^s(m)\}$.

$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$
0.000	8_n000 457	0	0.050	7_n999 129	54	0.100	7_n995 129	108	0.150	7_n988 413	162	0.200	7_n978 908	219
0.001	8_n000 457	2	0.051	7_n999 075	55	0.101	7_n995 021	109	0.151	7_n988 251	164	0.201	7_n978 689	221
0.002	8_n000 455	2	0.052	7_n999 020	56	0.102	7_n994 912	109	0.152	7_n988 087	165	0.202	7_n978 468	221
0.003	8_n000 453	4	0.053	7_n998 964	57	0.103	7_n994 803	111	0.153	7_n987 922	165	0.203	7_n978 247	223
0.004	8_n000 449	5	0.054	7_n998 907	58	0.104	7_n994 692	112	0.154	7_n987 757	167	0.204	7_n978 024	224
0.005	8_n000 444	6	0.055	7_n998 849	59	0.105	7_n994 580	113	0.155	7_n987 590	168	0.205	7_n977 800	225
0.006	8_n000 438	7	0.056	7_n998 790	60	0.106	7_n994 467	114	0.156	7_n987 422	169	0.206	7_n977 575	226
0.007	8_n000 431	8	0.057	7_n998 730	61	0.107	7_n994 353	115	0.157	7_n987 253	171	0.207	7_n977 349	227
0.008	8_n000 423	9	0.058	7_n998 669	62	0.108	7_n994 238	116	0.158	7_n987 082	171	0.208	7_n977 122	229
0.009	8_n000 414	10	0.059	7_n998 607	64	0.109	7_n994 122	117	0.159	7_n986 911	173	0.209	7_n976 893	230
0.010	8_n000 404	11	0.060	7_n998 543	64	0.110	7_n994 005	119	0.160	7_n986 738	173	0.210	7_n976 663	231
0.011	8_n000 393	12	0.061	7_n998 479	65	0.111	7_n993 886	119	0.161	7_n986 565	175	0.211	7_n976 432	232
0.012	8_n000 381	13	0.062	7_n998 414	67	0.112	7_n993 767	121	0.162	7_n986 390	176	0.212	7_n976 200	233
0.013	8_n000 368	15	0.063	7_n998 347	68	0.113	7_n993 646	122	0.163	7_n986 214	177	0.213	7_n975 967	234
0.014	8_n000 353	15	0.064	7_n998 279	68	0.114	7_n993 524	122	0.164	7_n986 037	178	0.214	7_n975 733	236
0.015	8_n000 338	17	0.065	7_n998 211	70	0.115	7_n993 402	124	0.165	7_n985 859	179	0.215	7_n975 497	236
0.016	8_n000 321	17	0.066	7_n998 141	71	0.116	7_n993 278	125	0.166	7_n985 680	181	0.216	7_n975 261	238
0.017	8_n000 304	19	0.067	7_n998 070	72	0.117	7_n993 153	126	0.167	7_n985 499	181	0.217	7_n975 023	239
0.018	8_n000 285	19	0.068	7_n997 998	73	0.118	7_n993 027	127	0.168	7_n985 318	183	0.218	7_n974 784	241
0.019	8_n000 266	21	0.069	7_n997 925	74	0.119	7_n992 900	128	0.169	7_n985 135	184	0.219	7_n974 543	241
0.020	8_n000 245	22	0.070	7_n997 851	75	0.120	7_n992 772	130	0.170	7_n984 951	185	0.220	7_n974 302	243
0.021	8_n000 223	23	0.071	7_n997 776	76	0.121	7_n992 642	130	0.171	7_n984 766	186	0.221	7_n974 059	244
0.022	8_n000 200	23	0.072	7_n997 700	78	0.122	7_n992 512	131	0.172	7_n984 580	187	0.222	7_n973 815	245
0.023	8_n000 177	25	0.073	7_n997 622	78	0.123	7_n992 381	133	0.173	7_n984 393	188	0.223	7_n973 570	246
0.024	8_n000 152	26	0.074	7_n997 544	79	0.124	7_n992 248	134	0.174	7_n984 205	190	0.224	7_n973 324	247
0.025	8_n000 126	28	0.075	7_n997 465	81	0.125	7_n992 114	135	0.175	7_n984 015	190	0.225	7_n973 077	249
0.026	8_n000 098	28	0.076	7_n997 384	81	0.126	7_n991 979	136	0.176	7_n983 825	192	0.226	7_n972 828	250
0.027	8_n000 070	29	0.077	7_n997 303	83	0.127	7_n991 843	137	0.177	7_n983 633	193	0.227	7_n972 578	250
0.028	8_n000 041	30	0.078	7_n997 220	84	0.128	7_n991 706	138	0.178	7_n983 440	194	0.228	7_n972 328	252
0.029	8_n000 011	32	0.079	7_n997 136	85	0.129	7_n991 568	139	0.179	7_n983 246	195	0.229	7_n972 076	254
0.030	7_n999 979	32	0.080	7_n997 051	86	0.130	7_n991 429	140	0.180	7_n983 051	196	0.230	7_n971 822	254
0.031	7_n999 947	33	0.081	7_n996 965	86	0.131	7_n991 289	142	0.181	7_n982 855	198	0.231	7_n971 568	256
0.032	7_n999 914	35	0.082	7_n996 879	89	0.132	7_n991 147	142	0.182	7_n982 657	198	0.232	7_n971 312	257
0.033	7_n999 879	36	0.083	7_n996 790	89	0.133	7_n991 005	144	0.183	7_n982 459	200	0.233	7_n971 055	258
0.034	7_n999 843	36	0.084	7_n996 701	90	0.134	7_n990 861	144	0.184	7_n982 259	201	0.234	7_n970 797	259
0.035	7_n999 807	38	0.085	7_n996 611	91	0.135	7_n990 717	146	0.185	7_n982 058	202	0.235	7_n970 538	261
0.036	7_n999 769	39	0.086	7_n996 520	92	0.136	7_n990 571	147	0.186	7_n981 856	203	0.236	7_n970 277	261
0.037	7_n999 730	40	0.087	7_n996 428	94	0.137	7_n990 424	148	0.187	7_n981 653	204	0.237	7_n970 016	263
0.038	7_n999 690	41	0.088	7_n996 334	94	0.138	7_n990 276	149	0.188	7_n981 449	205	0.238	7_n969 753	264
0.039	7_n999 649	42	0.089	7_n996 240	96	0.139	7_n990 127	151	0.189	7_n981 244	207	0.239	7_n969 489	265
0.040	7_n999 607	43	0.090	7_n996 144	97	0.140	7_n989 976	151	0.190	7_n981 037	208	0.240	7_n969 224	267
0.041	7_n999 564	44	0.091	7_n996 047	97	0.141	7_n989 825	152	0.191	7_n980 829	209	0.241	7_n968 957	268
0.042	7_n999 520	45	0.092	7_n995 950	99	0.142	7_n989 673	154	0.192	7_n980 620	210	0.242	7_n968 689	269
0.043	7_n999 475	46	0.093	7_n995 851	100	0.143	7_n989 519	155	0.193	7_n980 410	211	0.243	7_n968 420	270
0.044	7_n999 429	48	0.094	7_n995 751	101	0.144	7_n989 364	155	0.194	7_n980 199	212	0.244	7_n968 150	271
0.045	7_n999 381	48	0.095	7_n995 650	102	0.145	7_n989 209	157	0.195	7_n979 987	214	0.245	7_n967 879	272
0.046	7_n999 333	49	0.096	7_n995 548	104	0.146	7_n989 052	158	0.196	7_n979 773	214	0.246	7_n967 607	274
0.047	7_n999 284	51	0.097	7_n995 444	104	0.147	7_n988 894	159	0.197	7_n979 559	216	0.247	7_n967 333	275
0.048	7_n999 233	51	0.098	7_n995 340	105	0.148	7_n988 735	161	0.198	7_n979 343	217	0.248	7_n967 058	276
0.049	7_n999 182	53	0.099	7_n995 235	106	0.149	7_n988 574	161	0.199	7_n979 126	218	0.249	7_n966 782	278
0.050	7_n999 129		0.100	7_n995 129		0.150	7_n988 413		0.200	7_n978 908		0.250	7_n966 504	

Tafel XV.

Oppolzer's *M*-Tafel.

$\log \{M_1^9(m)\}$.

$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$
0.000	6.074 376		0.050	6.058 878		0.100	6.009 301		0.150	5.913 792		0.200	5.737 483	
		7			636			1398			2545			4916
0.001	6.074 369		0.051	6.058 242		0.101	6.007 903		0.151	5.911 247		0.201	5.732 567	
		18			650			1417			2576			4993
0.002	6.074 351		0.052	6.057 592		0.102	6.006 486		0.152	5.908 671		0.202	5.727 574	
		30			663			1434			2607			5072
0.003	6.074 321		0.053	6.056 929		0.103	6.005 052		0.153	5.906 064		0.203	5.722 502	
		43			677			1453			2638			5153
0.004	6.074 278		0.054	6.056 252		0.104	6.003 599		0.154	5.903 426		0.204	5.717 349	
		55			690			1471			2670			5236
0.005	6.074 223		0.055	6.055 562		0.105	6.002 128		0.155	5.900 756		0.205	5.712 113	
		67			704			1490			2702			5321
0.006	6.074 156		0.056	6.054 858		0.106	6.000 638		0.156	5.898 054		0.206	5.706 792	
		80			717			1508			2735			5409
0.007	6.074 076		0.057	6.054 141		0.107	5.999 130		0.157	5.895 319		0.207	5.701 383	
		91			732			1527			2768			5499
0.008	6.073 985		0.058	6.053 409		0.108	5.997 603		0.158	5.892 551		0.208	5.695 884	
		104			745			1546			2801			5591
0.009	6.073 881		0.059	6.052 664		0.109	5.996 057		0.159	5.889 750		0.209	5.690 293	
		116			759			1565			2836			5686
0.010	6.073 765		0.060	6.051 905		0.110	5.994 492		0.160	5.886 914		0.210	5.684 607	
		129			773			1585			2870			5785
0.011	6.073 636		0.061	6.051 132		0.111	5.992 907		0.161	5.884 044		0.211	5.678 822	
		140			786			1604			2906			5884
0.012	6.073 496		0.062	6.050 346		0.112	5.991 303		0.162	5.881 138		0.212	5.672 938	
		153			801			1623			2941			5989
0.013	6.073 343		0.063	6.049 545		0.113	5.989 680		0.163	5.878 197		0.213	5.666 949	
		165			815			1644			2977			6095
0.014	6.073 178		0.064	6.048 730		0.114	5.988 036		0.164	5.875 220		0.214	5.660 854	
		178			830			1663			3014			6206
0.015	6.073 000		0.065	6.047 900		0.115	5.986 373		0.165	5.872 206		0.215	5.654 648	
		190			843			1684			3052			6319
0.016	6.072 810		0.066	6.047 057		0.116	5.984 689		0.166	5.869 154		0.216	5.648 329	
		202			858			1704			3090			6436
0.017	6.072 608		0.067	6.046 199		0.117	5.982 985		0.167	5.866 064		0.217	5.641 893	
		214			872			1725			3128			6557
0.018	6.072 394		0.068	6.045 327		0.118	5.981 260		0.168	5.862 936		0.218	5.635 336	
		227			887			1745			3168			6682
0.019	6.072 167		0.069	6.044 440		0.119	5.979 515		0.169	5.859 768		0.219	5.628 654	
		239			901			1766			3208			6811
0.020	6.071 928		0.070	6.043 539		0.120	5.977 749		0.170	5.856 560		0.220	5.621 843	
		252			916			1788			3248			6946
0.021	6.071 676		0.071	6.042 623		0.121	5.975 961		0.171	5.853 312		0.221	5.614 897	
		264			930			1809			3290			7083
0.022	6.071 412		0.072	6.041 693		0.122	5.974 152		0.172	5.850 022		0.222	5.607 814	
		276			946			1831			3332			7226
0.023	6.071 136		0.073	6.040 747		0.123	5.972 321		0.173	5.846 690		0.223	5.600 588	
		289			960			1852			3374			7374
0.024	6.070 847		0.074	6.039 787		0.124	5.970 469		0.174	5.843 316		0.224	5.593 214	
		302			975			1875			3419			7529
0.025	6.070 545		0.075	6.038 812		0.125	5.968 594		0.175	5.839 897		0.225	5.585 685	
		313			990			1897			3462			7688
0.026	6.070 232		0.076	6.037 822		0.126	5.966 697		0.176	5.836 435		0.226	5.577 997	
		327			1005			1919			3508			7854
0.027	6.069 905		0.077	6.036 817		0.127	5.964 778		0.177	5.832 927		0.227	5.570 143	
		339			1021			1942			3554			8026
0.028	6.069 566		0.078	6.035 796		0.128	5.962 836		0.178	5.829 373		0.228	5.562 117	
		351			1036			1965			3600			8205
0.029	6.069 215		0.079	6.034 760		0.129	5.960 871		0.179	5.825 773		0.229	5.553 912	
		364			1050			1989			3649			8392
0.030	6.068 851		0.080	6.033 710		0.130	5.958 882		0.180	5.822 124		0.230	5.545 520	
		377			1067			2012			3696			8586
0.031	6.068 474		0.081	6.032 643		0.131	5.956 870		0.181	5.818 428		0.231	5.536 934	
		389			1082			2035			3747			8788
0.032	6.068 085		0.082	6.031 561		0.132	5.954 835		0.182	5.814 681		0.232	5.528 146	
		402			1098			2060			3797			9000
0.033	6.067 683		0.083	6.030 463		0.133	5.952 775		0.183	5.810 884		0.233	5.519 146	
		415			1113			2084			3849			9222
0.034	6.067 268		0.084	6.029 350		0.134	5.950 691		0.184	5.807 035		0.234	5.509 924	
		427			1130			2109			3901			9451
0.035	6.066 841		0.085	6.028 220		0.135	5.948 582		0.185	5.803 134		0.235	5.500 473	
		440			1145			2133			3955			9693
0.036	6.066 401		0.086	6.027 075		0.136	5.946 449		0.186	5.799 179		0.236	5.490 780	
		453			1162			2159			4010			9947
0.037	6.065 948		0.087	6.025 913		0.137	5.944 290		0.187	5.795 169		0.237	5.480 833	
		466			1177			2184			4065			10213
0.038	6.065 482		0.088	6.024 736		0.138	5.942 106		0.188	5.791 104		0.238	5.470 620	
		479			1194			2210			4123			10492
0.039	6.065 003		0.089	6.023 542		0.139	5.939 896		0.189	5.786 981		0.239	5.460 128	
		491			1210			2236			4181			10786
0.040	6.064 512		0.090	6.022 332		0.140	5.937 660		0.190	5.782 800		0.240	5.449 342	
		505			1227			2262			4240			11096
0.041	6.064 007		0.091	6.021 105		0.141	5.935 398		0.191	5.778 560		0.241	5.438 246	
		517			1244			2289			4302			11423
0.042	6.063 490		0.092	6.019 861		0.142	5.933 109		0.192	5.774 258		0.242	5.426 823	
		531			1260			2316			4363			11767
0.043	6.062 959		0.093	6.018 601		0.143	5.930 793		0.193	5.769 895		0.243	5.415 056	
		543			1277			2344			4427			12133
0.044	6.062 416		0.094	6.017 324		0.144	5.928 449		0.194	5.765 468		0.244	5.402 923	
		557			1294			2371			4492			12519
0.045	6.061 859		0.095	6.016 030		0.145	5.926 078		0.195	5.760 976		0.245	5.390 404	
		570			1311			2400			4559			12931
0.046	6.061 289		0.096	6.014 719		0.146	5.923 678		0.196	5.756 417		0.246	5.377 473	
		583			1328			2428			4627			13367
0.047	6.060 706		0.097	6.013 391		0.147	5.921 250		0.197	5.751 790		0.247	5.364 106	
		596			1346			2456			4697			13833
0.048	6.060 110		0.098	6.012 045		0.148	5.918 794		0.198	5.747 093		0.248	5.350 273	
		609			1363			2486			4768			14330
0.049	6.059 501		0.099	6.010 682		0.149	5.916 308		0.199	5.742 325		0.249	5.335 943	
		623			1381			2516			4842			14866
0.050	6.058 878		0.100	6.009 301		0.150	5.913 792		0.200	5.737 483		0.250	5.321 077	

Tafel XV.

Oppolzer's *M*-Tafel.

$\log \{M_1^{10}(m)\}$.

$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$\pm m$	M	$-\Delta$	$+ m$	M	$-\Delta$	$\pm m$	M	$-\Delta$
0.000	7.357 193	1	0.050	7.355 772	58	0.100	7.351 494	115	0.150	7.344 313	174	0.200	7.334 152	235
0.001	7.357 192	2	0.051	7.355 714	58	0.101	7.351 379	116	0.151	7.344 139	174	0.201	7.333 917	235
0.002	7.357 190	2	0.052	7.355 656	60	0.102	7.351 263	118	0.152	7.343 965	176	0.202	7.333 682	237
0.003	7.357 188	4	0.053	7.355 596	61	0.103	7.351 145	118	0.153	7.343 789	178	0.203	7.333 445	238
0.004	7.357 184	5	0.054	7.355 535	62	0.104	7.351 027	120	0.154	7.343 611	178	0.204	7.333 207	239
0.005	7.357 179	7	0.055	7.355 473	63	0.105	7.350 907	120	0.155	7.343 433	180	0.205	7.332 968	241
0.006	7.357 172	7	0.056	7.355 410	64	0.106	7.350 787	122	0.156	7.343 253	181	0.206	7.332 727	242
0.007	7.357 165	9	0.057	7.355 346	66	0.107	7.350 665	123	0.157	7.343 072	182	0.207	7.332 485	243
0.008	7.357 156	9	0.058	7.355 280	67	0.108	7.350 542	125	0.158	7.342 890	183	0.208	7.332 242	244
0.009	7.357 147	11	0.059	7.355 213	67	0.109	7.350 417	125	0.159	7.342 707	185	0.209	7.331 998	246
0.010	7.357 136	12	0.060	7.355 146	69	0.110	7.350 292	127	0.160	7.342 522	185	0.210	7.331 752	246
0.011	7.357 124	13	0.061	7.355 077	70	0.111	7.350 165	128	0.161	7.342 337	187	0.211	7.331 506	248
0.012	7.357 111	14	0.062	7.355 007	71	0.112	7.350 037	128	0.162	7.342 150	188	0.212	7.331 258	250
0.013	7.357 097	15	0.063	7.354 936	73	0.113	7.349 909	130	0.163	7.341 962	189	0.213	7.331 008	250
0.014	7.357 082	17	0.064	7.354 863	73	0.114	7.349 779	132	0.164	7.341 773	191	0.214	7.330 758	252
0.015	7.357 065	18	0.065	7.354 790	75	0.115	7.349 647	132	0.165	7.341 582	192	0.215	7.330 506	253
0.016	7.357 047	18	0.066	7.354 715	75	0.116	7.349 515	134	0.166	7.341 390	192	0.216	7.330 253	254
0.017	7.357 029	20	0.067	7.354 640	77	0.117	7.349 381	135	0.167	7.341 198	194	0.217	7.329 999	256
0.018	7.357 009	21	0.068	7.354 563	78	0.118	7.349 246	136	0.168	7.341 004	196	0.218	7.329 743	257
0.019	7.356 988	22	0.069	7.354 485	80	0.119	7.349 110	137	0.169	7.340 808	196	0.219	7.329 486	258
0.020	7.356 966	24	0.070	7.354 405	80	0.120	7.348 973	138	0.170	7.340 612	198	0.220	7.329 228	259
0.021	7.356 942	24	0.071	7.354 325	82	0.121	7.348 835	139	0.171	7.340 414	199	0.221	7.328 969	261
0.022	7.356 918	26	0.072	7.354 243	82	0.122	7.348 696	141	0.172	7.340 215	200	0.222	7.328 708	262
0.023	7.356 892	26	0.073	7.354 161	84	0.123	7.348 555	142	0.173	7.340 015	201	0.223	7.328 446	263
0.024	7.356 866	28	0.074	7.354 077	85	0.124	7.348 413	143	0.174	7.339 814	203	0.224	7.328 183	264
0.025	7.356 838	29	0.075	7.353 992	86	0.125	7.348 270	144	0.175	7.339 611	203	0.225	7.327 919	266
0.026	7.356 809	30	0.076	7.353 906	87	0.126	7.348 126	145	0.176	7.339 408	205	0.226	7.327 653	267
0.027	7.356 779	32	0.077	7.353 819	89	0.127	7.347 981	147	0.177	7.339 203	206	0.227	7.327 386	268
0.028	7.356 747	32	0.078	7.353 730	89	0.128	7.347 834	147	0.178	7.338 997	208	0.228	7.327 118	269
0.029	7.356 715	34	0.079	7.353 641	91	0.129	7.347 687	149	0.179	7.338 789	208	0.229	7.326 849	271
0.030	7.356 681	34	0.080	7.353 550	92	0.130	7.347 538	150	0.180	7.338 581	210	0.230	7.326 578	272
0.031	7.356 647	36	0.081	7.353 458	93	0.131	7.347 388	151	0.181	7.338 371	211	0.231	7.326 306	273
0.032	7.356 611	37	0.082	7.353 365	94	0.132	7.347 237	153	0.182	7.338 160	213	0.232	7.326 033	275
0.033	7.356 574	38	0.083	7.353 271	95	0.133	7.347 084	153	0.183	7.337 947	213	0.233	7.325 758	275
0.034	7.356 536	39	0.084	7.353 176	97	0.134	7.346 931	155	0.184	7.337 734	215	0.234	7.325 483	278
0.035	7.356 497	41	0.085	7.353 079	97	0.135	7.346 776	156	0.185	7.337 519	216	0.235	7.325 205	278
0.036	7.356 456	41	0.086	7.352 982	99	0.136	7.346 620	157	0.186	7.337 303	217	0.236	7.324 927	279
0.037	7.356 415	43	0.087	7.352 883	100	0.137	7.346 463	158	0.187	7.337 086	218	0.237	7.324 648	281
0.038	7.356 372	44	0.088	7.352 783	101	0.138	7.346 305	160	0.188	7.336 868	220	0.238	7.324 367	283
0.039	7.356 328	44	0.089	7.352 682	102	0.139	7.346 145	160	0.189	7.336 648	221	0.239	7.324 084	283
0.040	7.356 284	46	0.090	7.352 580	104	0.140	7.345 985	162	0.190	7.336 427	222	0.240	7.323 801	285
0.041	7.356 238	48	0.091	7.352 476	104	0.141	7.345 823	163	0.191	7.336 205	223	0.241	7.323 516	286
0.042	7.356 190	48	0.092	7.352 372	106	0.142	7.345 660	164	0.192	7.335 982	224	0.242	7.323 230	287
0.043	7.356 142	49	0.093	7.352 266	107	0.143	7.345 496	166	0.193	7.335 758	226	0.243	7.322 943	289
0.044	7.356 093	51	0.094	7.352 159	108	0.144	7.345 330	166	0.194	7.335 532	227	0.244	7.322 654	290
0.045	7.356 042	52	0.095	7.352 051	109	0.145	7.345 164	168	0.195	7.335 305	228	0.245	7.322 364	291
0.046	7.355 990	53	0.096	7.351 942	110	0.146	7.344 996	169	0.196	7.335 077	230	0.246	7.322 073	293
0.047	7.355 937	54	0.097	7.351 832	112	0.147	7.344 827	170	0.197	7.334 847	230	0.247	7.321 780	294
0.048	7.355 883	55	0.098	7.351 720	112	0.148	7.344 657	171	0.198	7.334 617	232	0.248	7.321 486	295
0.049	7.355 828	56	0.099	7.351 608	114	0.149	7.344 486	173	0.199	7.334 385	233	0.249	7.321 191	296
0.050	7.355 772		0.100	7.351 494		0.150	7.344 313		0.200	7.334 152		0.250	7.320 895	

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	10°	z \ ψ	10°	z \ ψ	10°	z \ ψ	10°
0.01	— 3.013 11	0.51	— 13.213 2	1.01	— 182.288	1.51	— 3.250 53
0.02	— 3.073 73	0.52	— 13.819 1	1.02	— 175.289	1.52	— 3.035 48
0.03	— 3.136 41	0.53	— 14.466 0	1.03	— 167.091	1.53	— 2.835 52
0.04	— 3.201 22	0.54	— 15.157 3	1.04	— 157.993	1.54	— 2.649 41
0.05	— 3.268 24	0.55	— 15.896 9	1.05	— 148.297	1.55	— 2.476 03
0.06	— 3.337 60	0.56	— 16.689 0	1.06	— 138.289	1.56	— 2.314 38
0.07	— 3.409 39	0.57	— 17.538 3	1.07	— 128.223	1.57	— 2.163 53
0.08	— 3.483 74	0.58	— 18.449 9	1.08	— 118.309	1.58	— 2.022 65
0.09	— 3.560 76	0.59	— 19.429 5	1.09	— 108.714	1.59	— 1.890 98
0.10	— 3.640 59	0.60	— 20.483 4	1.10	— 99.561 0	1.60	— 1.767 82
0.11	— 3.723 38	0.61	— 21.618 6	1.11	— 90.933 5	1.61	— 1.652 53
0.12	— 3.809 24	0.62	— 22.842 6	1.12	— 82.881 1	1.62	— 1.544 53
0.13	— 3.898 35	0.63	— 24.163 9	1.13	— 75.425 7	1.63	— 1.443 29
0.14	— 3.990 87	0.64	— 25.591 9	1.14	— 68.568 0	1.64	— 1.348 31
0.15	— 4.086 97	0.65	— 27.137 0	1.15	— 62.293 4	1.65	— 1.259 16
0.16	— 4.186 84	0.66	— 28.810 5	1.16	— 56.576 0	1.66	— 1.175 41
0.17	— 4.290 68	0.67	— 30.625 0	1.17	— 51.383 4	1.67	— 1.096 69
0.18	— 4.398 70	0.68	— 32.594 5	1.18	— 46.678 9	1.68	— 1.022 65
0.19	— 4.511 11	0.69	— 34.734 2	1.19	— 42.424 3	1.69	— 0.952 978
0.20	— 4.628 17	0.70	— 37.060 9	1.20	— 38.581 6	1.70	— 0.887 368
0.21	— 4.750 12	0.71	— 39.592 9	1.21	— 35.113 5	1.71	— 0.825 550
0.22	— 4.877 24	0.72	— 42.350 1	1.22	— 31.984 6	1.72	— 0.767 272
0.23	— 5.009 82	0.73	— 45.354 2	1.23	— 29.162 3	1.73	— 0.712 303
0.24	— 5.148 17	0.74	— 48.628 6	1.24	— 26.615 7	1.74	— 0.660 426
0.25	— 5.292 62	0.75	— 52.198 0	1.25	— 24.317 2	1.75	— 0.611 444
0.26	— 5.443 53	0.76	— 56.088 2	1.26	— 22.241 2	1.76	— 0.565 171
0.27	— 5.601 28	0.77	— 60.326 6	1.27	— 20.364 8	1.77	— 0.521 436
0.28	— 5.766 28	0.78	— 64.940 6	1.28	— 18.667 4	1.78	— 0.480 081
0.29	— 5.938 98	0.79	— 69.957 2	1.29	— 17.130 4	1.79	— 0.440 959
0.30	— 6.119 84	0.80	— 75.401 4	1.30	— 15.737 3	1.80	— 0.403 933
0.31	— 6.309 38	0.81	— 81.295 7	1.31	— 14.473 1	1.81	— 0.368 875
0.32	— 6.508 13	0.82	— 87.656 6	1.32	— 13.324 7	1.82	— 0.335 667
0.33	— 6.716 69	0.83	— 94.492 7	1.33	— 12.280 1	1.83	— 0.304 199
0.34	— 6.935 71	0.84	— 101.801	1.34	— 11.329 0	1.84	— 0.274 368
0.35	— 7.165 86	0.85	— 109.564	1.35	— 10.461 8	1.85	— 0.246 078
0.36	— 7.407 88	0.86	— 117.741	1.36	— 9.670 21	1.86	— 0.219 240
0.37	— 7.662 58	0.87	— 126.271	1.37	— 8.946 76	1.87	— 0.193 770
0.38	— 7.930 82	0.88	— 135.056	1.38	— 8.284 79	1.88	— 0.169 591
0.39	— 8.213 54	0.89	— 143.970	1.39	— 7.678 32	1.89	— 0.146 630
0.40	— 8.511 76	0.90	— 152.845	1.40	— 7.122 05	1.90	— 0.124 817
0.41	— 8.826 58	0.91	— 161.476	1.41	— 6.611 23	1.91	— 0.104 091
0.42	— 9.159 20	0.92	— 169.623	1.42	— 6.141 59	1.92	— 0.084 389
0.43	— 9.510 93	0.93	— 177.020	1.43	— 5.709 33	1.93	— 0.065 658
0.44	— 9.883 18	0.94	— 183.386	1.44	— 5.311 01	1.94	— 0.047 843
0.45	— 10.277 5	0.95	— 188.449	1.45	— 4.943 56	1.95	— 0.030 896
0.46	— 10.695 6	0.96	— 191.962	1.46	— 4.604 24	1.96	— 0.014 771
0.47	— 11.139 3	0.97	— 193.733	1.47	— 4.290 54	1.97	+ 0.000 575
0.48	— 11.610 6	0.98	— 193.639	1.48	— 4.000 25	1.98	+ 0.015 185
0.49	— 12.111 7	0.99	— 191.646	1.49	— 3.731 33	1.99	+ 0.029 096
0.50	— 12.645 0	1.00	— 187.813	1.50	— 3.481 97	2.00	+ 0.042 344
0.51	— 13.213 2	1.01	— 182.288	1.51	— 3.250 53	2.01	+ 0.054 963

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	10°	z \ ψ	10°	z \ ψ	10°	z \ ψ	10°
2.01	+0.054 963	2.51	+0.288 262	3.01	+0.292 665	3.51	+0.267 332
2.02	+0.066 985	2.52	+0.289 221	3.02	+0.292 270	3.52	+0.266 778
2.03	+0.078 441	2.53	+0.290 120	3.03	+0.291 867	3.53	+0.266 224
2.04	+0.089 359	2.54	+0.290 960	3.04	+0.291 456	3.54	+0.265 670
2.05	+0.099 765	2.55	+0.291 744	3.05	+0.291 037	3.55	+0.265 116
2.06	+0.109 685	2.56	+0.292 475	3.06	+0.290 610	3.56	+0.264 562
2.07	+0.119 143	2.57	+0.293 154	3.07	+0.290 176	3.57	+0.264 009
2.08	+0.128 162	2.58	+0.293 783	3.08	+0.289 736	3.58	+0.263 455
2.09	+0.136 762	2.59	+0.294 364	3.09	+0.289 289	3.59	+0.262 902
2.10	+0.144 964	2.60	+0.294 900	3.10	+0.288 835	3.60	+0.262 349
2.11	+0.152 786	2.61	+0.295 391	3.11	+0.288 376	3.61	+0.261 797
2.12	+0.160 248	2.62	+0.295 840	3.12	+0.287 911	3.62	+0.261 245
2.13	+0.167 365	2.63	+0.296 248	3.13	+0.287 441	3.63	+0.260 694
2.14	+0.174 155	2.64	+0.296 617	3.14	+0.286 965	3.64	+0.260 143
2.15	+0.180 631	2.65	+0.296 948	3.15	+0.286 484	3.65	+0.259 592
2.16	+0.186 810	2.66	+0.297 242	3.16	+0.285 999	3.66	+0.259 043
2.17	+0.192 704	2.67	+0.297 502	3.17	+0.285 509	3.67	+0.258 494
2.18	+0.198 327	2.68	+0.297 728	3.18	+0.285 015	3.68	+0.257 945
2.19	+0.203 690	2.69	+0.297 922	3.19	+0.284 517	3.69	+0.257 398
2.20	+0.208 806	2.70	+0.298 084	3.20	+0.284 014	3.70	+0.256 851
2.21	+0.213 686	2.71	+0.298 217	3.21	+0.283 508	3.71	+0.256 305
2.22	+0.218 340	2.72	+0.298 321	3.22	+0.282 999	3.72	+0.255 759
2.23	+0.222 779	2.73	+0.298 397	3.23	+0.282 486	3.73	+0.255 215
2.24	+0.227 011	2.74	+0.298 447	3.24	+0.281 970	3.74	+0.254 671
2.25	+0.231 046	2.75	+0.298 471	3.25	+0.281 451	3.75	+0.254 129
2.26	+0.234 893	2.76	+0.298 470	3.26	+0.280 929	3.76	+0.253 587
2.27	+0.238 560	2.77	+0.298 446	3.27	+0.280 405	3.77	+0.253 046
2.28	+0.242 054	2.78	+0.298 399	3.28	+0.279 877	3.78	+0.252 506
2.29	+0.245 383	2.79	+0.298 330	3.29	+0.279 348	3.79	+0.251 968
2.30	+0.248 554	2.80	+0.298 240	3.30	+0.278 816	3.80	+0.251 430
2.31	+0.251 574	2.81	+0.298 129	3.31	+0.278 282	3.81	+0.250 893
2.32	+0.254 449	2.82	+0.297 999	3.32	+0.277 746	3.82	+0.250 358
2.33	+0.257 186	2.83	+0.297 850	3.33	+0.277 208	3.83	+0.249 823
2.34	+0.259 789	2.84	+0.297 683	3.34	+0.276 669	3.84	+0.249 290
2.35	+0.262 266	2.85	+0.297 499	3.35	+0.276 128	3.85	+0.248 758
2.36	+0.264 620	2.86	+0.297 298	3.36	+0.275 585	3.86	+0.248 227
2.37	+0.266 858	2.87	+0.297 081	3.37	+0.275 041	3.87	+0.247 697
2.38	+0.268 984	2.88	+0.296 849	3.38	+0.274 496	3.88	+0.247 169
2.39	+0.271 002	2.89	+0.296 601	3.39	+0.273 949	3.89	+0.246 641
2.40	+0.272 917	2.90	+0.296 340	3.40	+0.273 402	3.90	+0.246 115
2.41	+0.274 733	2.91	+0.296 065	3.41	+0.272 853	3.91	+0.245 590
2.42	+0.276 454	2.92	+0.295 776	3.42	+0.272 303	3.92	+0.245 067
2.43	+0.278 085	2.93	+0.295 475	3.43	+0.271 753	3.93	+0.244 544
2.44	+0.279 628	2.94	+0.295 162	3.44	+0.271 202	3.94	+0.244 023
2.45	+0.281 087	2.95	+0.294 837	3.45	+0.270 651	3.95	+0.243 504
2.46	+0.282 466	2.96	+0.294 500	3.46	+0.270 098	3.96	+0.242 985
2.47	+0.283 768	2.97	+0.294 153	3.47	+0.269 546	3.97	+0.242 468
2.48	+0.284 995	2.98	+0.293 796	3.48	+0.268 993	3.98	+0.241 953
2.49	+0.286 152	2.99	+0.293 428	3.49	+0.268 439	3.99	+0.241 438
2.50	+0.287 240	3.00	+0.293 051	3.50	+0.267 886	4.00	+0.240 925
2.51	+0.288 262	3.01	+0.292 665	3.51	+0.267 332		

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	15°	20°	25°	30°	35°
0.01	— 2.953 59	— 2.871 06	— 2.766 15	— 2.639 81	— 2.493 11
0.02	— 3.011 24	— 2.924 60	— 2.814 67	— 2.682 56	— 2.529 52
0.03	— 3.070 70	— 2.979 73	— 2.864 53	— 2.726 32	— 2.566 62
0.04	— 3.132 11	— 3.036 58	— 2.915 76	— 2.771 14	— 2.604 45
0.05	— 3.195 52	— 3.095 14	— 2.968 42	— 2.817 06	— 2.643 00
0.06	— 3.261 05	— 3.155 52	— 3.022 54	— 2.864 08	— 2.682 34
0.07	— 3.328 76	— 3.217 77	— 3.078 20	— 2.912 24	— 2.722 43
0.08	— 3.398 78	— 3.282 00	— 3.135 42	— 2.961 57	— 2.763 29
0.09	— 3.471 19	— 3.348 25	— 3.194 28	— 3.012 10	— 2.804 93
0.10	— 3.546 11	— 3.416 63	— 3.254 82	— 3.063 86	— 2.847 36
0.11	— 3.623 64	— 3.487 22	— 3.317 10	— 3.116 88	— 2.890 59
0.12	— 3.703 92	— 3.560 11	— 3.381 18	— 3.171 19	— 2.934 63
0.13	— 3.787 06	— 3.635 38	— 3.447 13	— 3.226 83	— 2.979 48
0.14	— 3.873 21	— 3.713 16	— 3.515 01	— 3.283 82	— 3.025 15
0.15	— 3.962 51	— 3.793 54	— 3.584 88	— 3.342 19	— 3.071 63
0.16	— 4.055 10	— 3.876 62	— 3.656 81	— 3.401 99	— 3.118 95
0.17	— 4.151 15	— 3.962 52	— 3.730 87	— 3.463 23	— 3.167 09
0.18	— 4.250 82	— 4.051 37	— 3.807 15	— 3.525 95	— 3.216 07
0.19	— 4.354 30	— 4.143 29	— 3.885 70	— 3.590 19	— 3.265 86
0.20	— 4.461 77	— 4.238 41	— 3.966 61	— 3.655 97	— 3.316 48
0.21	— 4.573 43	— 4.336 87	— 4.049 96	— 3.723 32	— 3.367 92
0.22	— 4.689 50	— 4.438 82	— 4.135 82	— 3.792 28	— 3.420 18
0.23	— 4.810 20	— 4.544 41	— 4.224 29	— 3.862 86	— 3.473 23
0.24	— 4.935 78	— 4.653 80	— 4.315 44	— 3.935 10	— 3.527 07
0.25	— 5.066 47	— 4.767 15	— 4.409 38	— 4.009 02	— 3.581 69
0.26	— 5.202 56	— 4.884 65	— 4.506 18	— 4.084 65	— 3.637 07
0.27	— 5.344 33	— 5.006 46	— 4.605 93	— 4.162 01	— 3.693 18
0.28	— 5.492 08	— 5.132 80	— 4.708 73	— 4.241 11	— 3.750 00
0.29	— 5.646 16	— 5.263 85	— 4.814 68	— 4.321 98	— 3.807 52
0.30	— 5.806 87	— 5.399 84	— 4.923 87	— 4.404 63	— 3.865 68
0.31	— 5.974 61	— 5.540 96	— 5.036 39	— 4.489 07	— 3.924 46
0.32	— 6.149 76	— 5.687 47	— 5.152 35	— 4.575 31	— 3.983 82
0.33	— 6.332 74	— 5.839 60	— 5.271 84	— 4.663 35	— 4.043 71
0.34	— 6.523 98	— 5.997 59	— 5.394 96	— 4.753 19	— 4.104 09
0.35	— 6.723 97	— 6.161 72	— 5.521 80	— 4.844 82	— 4.164 88
0.36	— 6.933 19	— 6.332 25	— 5.652 46	— 4.938 22	— 4.226 05
0.37	— 7.152 20	— 6.509 46	— 5.787 04	— 5.033 39	— 4.287 52
0.38	— 7.381 55	— 6.693 66	— 5.925 63	— 5.130 29	— 4.349 22
0.39	— 7.621 86	— 6.885 14	— 6.068 31	— 5.228 88	— 4.411 06
0.40	— 7.873 78	— 7.084 23	— 6.215 16	— 5.329 14	— 4.472 97
0.41	— 8.138 00	— 7.291 25	— 6.366 26	— 5.431 00	— 4.534 86
0.42	— 8.415 26	— 7.506 54	— 6.521 70	— 5.534 40	— 4.596 62
0.43	— 8.706 35	— 7.730 45	— 6.681 52	— 5.639 27	— 4.658 15
0.44	— 9.012 11	— 7.963 35	— 6.845 77	— 5.745 52	— 4.719 33
0.45	— 9.333 44	— 8.205 58	— 7.014 52	— 5.853 07	— 4.780 06
0.46	— 9.671 29	— 8.457 54	— 7.187 78	— 5.961 79	— 4.840 19
0.47	— 10.026 7	— 8.719 59	— 7.365 58	— 6.071 57	— 4.899 60
0.48	— 10.400 7	— 8.992 14	— 7.547 90	— 6.182 26	— 4.958 14
0.49	— 10.794 5	— 9.275 54	— 7.734 73	— 6.293 71	— 5.015 67
0.50	— 11.209 4	— 9.570 22	— 7.926 02	— 6.405 74	— 5.072 03
0.51	— 11.646 5	— 9.876 54	— 8.121 73	— 6.518 18	— 5.127 05
0.52	— 12.107 4	— 10.194 9	— 8.321 73	— 6.630 80	— 5.180 58
0.53	— 12.593 5	— 10.525 6	— 8.525 92	— 6.743 39	— 5.232 43
0.54	— 13.106 3	— 10.869 0	— 8.734 15	— 6.855 70	— 5.282 42
0.55	— 13.647 5	— 11.225 5	— 8.946 21	— 6.967 46	— 5.330 37
0.56	— 14.218 9	— 11.595 4	— 9.161 87	— 7.078 38	— 5.376 10

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	15°	20°	25°	30°	35°
0.56	—14.218 9	—11.595 4	— 9.161 87	—7.078 38	—5.376 10
0.57	—14.822 2	—11.978 8	— 9.380 86	—7.188 17	—5.419 41
0.58	—15.459 5	—12.376 1	— 9.602 86	—7.296 49	—5.460 11
0.59	—16.132 6	—12.787 3	— 9.827 49	—7.403 00	—5.498 01
0.60	—16.843 7	—13.212 6	—10.054 3	—7.507 34	—5.532 90
0.61	—17.594 9	—13.652 0	—10.282 9	—7.609 13	—5.564 61
0.62	—18.388 4	—14.105 3	—10.512 6	—7.707 96	—5.592 94
0.63	—19.226 6	—14.572 4	—10.742 9	—7.803 43	—5.617 69
0.64	—20.111 6	—15.053 1	—10.973 1	—7.895 10	—5.638 71
0.65	—21.045 8	—15.546 7	—11.202 5	—7.982 54	—5.655 80
0.66	—22.031 4	—16.052 6	—11.430 2	—8.065 31	—5.668 81
0.67	—23.070 5	—16.570 2	—11.655 4	—8.142 95	—5.677 58
0.68	—24.165 1	—17.098 3	—11.877 1	—8.215 01	—5.681 97
0.69	—25.317 1	—17.635 7	—12.094 3	—8.281 03	—5.681 85
0.70	—26.527 9	—18.181 0	—12.306 0	—8.340 57	—5.677 11
0.71	—27.798 7	—18.732 4	—12.511 0	—8.393 19	—5.667 64
0.72	—29.130 2	—19.287 9	—12.708 2	—8.438 47	—5.653 37
0.73	—30.522 4	—19.845 3	—12.896 3	—8.476 00	—5.634 24
0.74	—31.974 5	—20.401 7	—13.074 2	—8.505 40	—5.610 20
0.75	—33.484 9	—20.954 5	—13.240 4	—8.526 33	—5.581 22
0.76	—35.050 9	—21.500 2	—13.393 8	—8.538 46	—5.547 32
0.77	—36.668 4	—22.035 4	—13.533 1	—8.541 51	—5.508 51
0.78	—38.331 9	—22.556 3	—13.657 1	—8.535 24	—5.464 84
0.79	—40.034 3	—23.058 8	—13.764 5	—8.519 46	—5.416 36
0.80	—41.766 3	—23.538 5	—13.854 2	—8.494 02	—5.363 18
0.81	—43.516 9	—23.991 0	—13.925 1	—8.458 84	—5.305 40
0.82	—45.272 7	—24.411 7	—13.976 3	—8.413 89	—5.243 14
0.83	—47.018 1	—24.795 8	—14.006 9	—8.359 17	—5.176 57
0.84	—48.735 2	—25.139 1	—14.016 1	—8.294 75	—5.105 84
0.85	—50.404 0	—25.436 8	—14.003 6	—8.220 81	—5.031 16
0.86	—52.002 5	—25.684 8	—13.968 7	—8.137 51	—4.952 72
0.87	—53.507 0	—25.879 1	—13.911 3	—8.045 10	—4.870 73
0.88	—54.893 0	—26.016 5	—13.831 3	—7.943 91	—4.785 43
0.89	—56.135 1	—26.093 8	—13.728 8	—7.834 26	—4.697 06
0.90	—57.208 7	—26.108 8	—13.604 1	—7.716 57	—4.605 88
0.91	—58.090 1	—26.060 0	—13.457 8	—7.591 28	—4.512 14
0.92	—58.758 1	—25.946 5	—13.290 6	—7.458 88	—4.416 11
0.93	—59.194 0	—25.768 2	—13.103 2	—7.319 88	—4.318 06
0.94	—59.383 7	—25.526 1	—12.896 6	—7.174 83	—4.218 24
0.95	—59.317 9	—25.221 6	—12.672 0	—7.024 28	—4.116 92
0.96	—58.992 4	—24.857 2	—12.430 9	—6.868 83	—4.014 39
0.97	—58.408 9	—24.436 0	—12.174 5	—6.709 06	—3.910 89
0.98	—57.574 7	—23.961 9	—11.904 2	—6.545 56	—3.806 68
0.99	—56.502 6	—23.439 1	—11.621 6	—6.378 93	—3.702 01
1.00	—55.210 4	—22.872 6	—11.328 2	—6.209 77	—3.597 11
1.01	—53.719 9	—22.267 1	—11.025 7	—6.038 64	—3.492 22
1.02	—52.056 5	—21.628 7	—10.715 6	—5.866 10	—3.387 56
1.03	—50.247 2	—20.962 4	—10.399 5	—5.692 70	—3.283 34
1.04	—48.320 7	—20.273 8	—10.079 0	—5.518 96	—3.179 76
1.05	—46.305 3	—19.568 3	— 9.755 44	—5.345 36	—3.076 99
1.06	—44.228 7	—18.851 1	— 9.430 30	—5.172 38	—2.975 21
1.07	—42.117 0	—18.127 2	— 9.104 90	—5.000 44	—2.874 58
1.08	—39.994 4	—17.401 2	— 8.780 46	—4.829 95	—2.775 24
1.09	—37.882 1	—16.677 4	— 8.458 14	—4.661 29	—2.677 33
1.10	—35.798 9	—15.959 5	— 8.138 98	—4.494 78	—2.580 96
1.11	—33.760 5	—15.251 1	— 7.823 92	—4.330 72	—2.486 25

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	15°	20°	25°	30°	35°
1.11	— 33.760 5	— 15.251 1	— 7.823 92	— 4.330 72	— 2.486 25
1.12	— 31.779 7	— 14.555 1	— 7.513 80	— 4.169 40	— 2.393 28
1.13	— 29.866 8	— 13.874 0	— 7.209 36	— 4.011 06	— 2.302 13
1.14	— 28.029 5	— 13.210 1	— 6.911 26	— 3.855 91	— 2.212 89
1.15	— 26.273 2	— 12.565 1	— 6.620 02	— 3.704 12	— 2.125 61
1.16	— 24.601 5	— 11.940 4	— 6.336 13	— 3.555 84	— 2.040 33
1.17	— 23.016 1	— 11.337 1	— 6.059 93	— 3.411 21	— 1.957 10
1.18	— 21.517 5	— 10.755 9	— 5.791 75	— 3.270 33	— 1.875 96
1.19	— 20.104 7	— 10.197 4	— 5.531 77	— 3.133 27	— 1.796 91
1.20	— 18.776 0	— 9.661 73	— 5.280 18	— 3.000 08	— 1.719 97
1.21	— 17.529 3	— 9.149 03	— 5.037 05	— 2.870 81	— 1.645 16
1.22	— 16.361 3	— 8.659 12	— 4.802 44	— 2.745 46	— 1.572 47
1.23	— 15.268 8	— 8.191 72	— 4.576 31	— 2.624 04	— 1.501 88
1.24	— 14.248 1	— 7.746 42	— 4.358 64	— 2.506 54	— 1.433 41
1.25	— 13.295 6	— 7.322 69	— 4.149 33	— 2.392 92	— 1.367 01
1.26	— 12.407 4	— 6.919 93	— 3.948 25	— 2.283 15	— 1.302 67
1.27	— 11.579 6	— 6.537 49	— 3.755 26	— 2.177 18	— 1.240 37
1.28	— 10.808 6	— 6.174 63	— 3.570 19	— 2.074 94	— 1.180 07
1.29	— 10.090 9	— 5.830 63	— 3.392 84	— 1.976 37	— 1.121 74
1.30	— 9.422 79	— 5.504 72	— 3.223 02	— 1.881 40	— 1.065 35
1.31	— 8.800 96	— 5.196 12	— 3.060 50	— 1.789 94	— 1.010 86
1.32	— 8.222 25	— 4.904 05	— 2.905 06	— 1.701 92	— 0.958 220
1.33	— 7.683 64	— 4.627 73	— 2.756 47	— 1.617 24	— 0.907 400
1.34	— 7.182 30	— 4.366 42	— 2.614 49	— 1.535 82	— 0.858 352
1.35	— 6.715 58	— 4.119 36	— 2.478 88	— 1.457 56	— 0.811 036
1.36	— 6.280 96	— 3.885 82	— 2.349 41	— 1.382 37	— 0.765 402
1.37	— 5.876 13	— 3.665 11	— 2.225 83	— 1.310 15	— 0.721 408
1.38	— 5.498 93	— 3.456 53	— 2.107 92	— 1.240 81	— 0.679 005
1.39	— 5.147 33	— 3.259 45	— 1.995 44	— 1.174 25	— 0.638 155
1.40	— 4.819 48	— 3.073 23	— 1.888 16	— 1.110 38	— 0.598 805
1.41	— 4.513 64	— 2.897 27	— 1.785 86	— 1.049 11	— 0.560 912
1.42	— 4.228 20	— 2.731 00	— 1.688 33	— 0.990 346	— 0.524 431
1.43	— 3.961 68	— 2.573 88	— 1.595 36	— 0.933 992	— 0.489 317
1.44	— 3.712 70	— 2.425 39	— 1.506 74	— 0.879 963	— 0.455 525
1.45	— 3.480 00	— 2.285 05	— 1.422 28	— 0.828 170	— 0.423 017
1.46	— 3.262 40	— 2.152 38	— 1.341 78	— 0.778 529	— 0.391 744
1.47	— 3.058 82	— 2.026 95	— 1.265 06	— 0.730 957	— 0.361 668
1.48	— 2.868 26	— 1.908 35	— 1.191 95	— 0.685 372	— 0.332 746
1.49	— 2.689 78	— 1.796 18	— 1.122 28	— 0.641 698	— 0.304 937
1.50	— 2.522 54	— 1.690 07	— 1.055 88	— 0.599 858	— 0.278 207
1.51	— 2.365 75	— 1.589 67	— 0.992 612	— 0.559 777	— 0.252 507
1.52	— 2.218 67	— 1.494 66	— 0.932 312	— 0.521 384	— 0.227 820
1.53	— 2.080 63	— 1.404 72	— 0.874 840	— 0.484 613	— 0.204 094
1.54	— 1.951 02	— 1.319 57	— 0.820 062	— 0.449 394	— 0.181 295
1.55	— 1.829 24	— 1.238 93	— 0.767 851	— 0.415 664	— 0.159 393
1.56	— 1.714 78	— 1.162 54	— 0.718 078	— 0.383 361	— 0.138 353
1.57	— 1.607 13	— 1.090 17	— 0.670 629	— 0.352 428	— 0.118 144
1.58	— 1.505 84	— 1.021 57	— 0.625 391	— 0.322 804	— 0.098 734
1.59	— 1.410 48	— 0.956 547	— 0.582 261	— 0.294 436	— 0.080 094
1.60	— 1.320 67	— 0.894 888	— 0.541 129	— 0.267 271	— 0.062 196
1.61	— 1.236 04	— 0.836 407	— 0.501 904	— 0.241 256	— 0.045 010
1.62	— 1.156 25	— 0.780 925	— 0.464 492	— 0.216 348	— 0.028 511
1.63	— 1.081 00	— 0.728 276	— 0.428 807	— 0.192 496	— 0.012 670
1.64	— 1.009 98	— 0.678 301	— 0.394 764	— 0.169 655	+ 0.002 535
1.65	— 0.942 943	— 0.630 853	— 0.362 286	— 0.147 783	+ 0.017 130
1.66	— 0.879 624	— 0.585 792	— 0.331 294	— 0.126 838	+ 0.031 138

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	15°	20°	25°	30°	35°
1.66	−0.879 624	−0.585 792	−0.331 294	−0.126 838	+0.031 138
1.67	−0.819 795	−0.542 987	−0.301 719	−0.106 782	+0.044 581
1.68	−0.763 238	−0.502 316	−0.273 495	−0.087 576	+0.057 482
1.69	−0.709 752	−0.463 663	−0.246 555	−0.069 185	+0.069 861
1.70	−0.659 151	−0.426 918	−0.220 838	−0.051 572	+0.081 738
1.71	−0.611 258	−0.391 979	−0.196 285	−0.034 707	+0.093 133
1.72	−0.565 912	−0.358 749	−0.172 842	−0.018 556	+0.104 065
1.73	−0.522 962	−0.327 138	−0.150 458	−0.003 090	+0.114 551
1.74	−0.482 263	−0.297 059	−0.129 080	+0.011 721	+0.124 608
1.75	−0.443 686	−0.268 433	−0.108 663	+0.025 904	+0.134 254
1.76	−0.407 106	−0.241 182	−0.089 161	+0.039 486	+0.143 503
1.77	−0.372 407	−0.215 236	−0.070 531	+0.052 492	+0.152 373
1.78	−0.339 481	−0.190 527	−0.052 732	+0.064 947	+0.160 876
1.79	−0.308 232	−0.166 991	−0.035 725	+0.076 874	+0.169 028
1.80	−0.278 558	−0.144 569	−0.019 475	+0.088 295	+0.176 841
1.81	−0.250 374	−0.123 202	−0.003 947	+0.099 231	+0.184 330
1.82	−0.223 599	−0.102 839	+0.010 893	+0.109 703	+0.191 507
1.83	−0.198 152	−0.083 428	+0.025 076	+0.119 729	+0.198 382
1.84	−0.173 963	−0.064 922	+0.038 633	+0.129 330	+0.204 970
1.85	−0.150 961	−0.047 275	+0.051 592	+0.138 521	+0.211 280
1.86	−0.129 084	−0.030 446	+0.063 979	+0.147 321	+0.217 324
1.87	−0.108 270	−0.014 393	+0.075 820	+0.155 745	+0.223 110
1.88	−0.088 465	+0.000 921	+0.087 140	+0.163 809	+0.228 650
1.89	−0.069 613	+0.015 532	+0.097 963	+0.171 529	+0.233 953
1.90	−0.051 665	+0.029 474	+0.108 310	+0.178 917	+0.239 029
1.91	−0.034 575	+0.042 781	+0.118 203	+0.185 988	+0.243 884
1.92	−0.018 296	+0.055 480	+0.127 661	+0.192 755	+0.248 528
1.93	−0.002 790	+0.067 603	+0.136 705	+0.199 230	+0.252 970
1.94	+0.011 985	+0.079 176	+0.145 351	+0.205 425	+0.257 217
1.95	+0.026 066	+0.090 226	+0.153 619	+0.211 352	+0.261 276
1.96	+0.039 487	+0.100 776	+0.161 523	+0.217 020	+0.265 155
1.97	+0.052 282	+0.110 849	+0.169 080	+0.222 442	+0.268 860
1.98	+0.064 480	+0.120 469	+0.176 304	+0.227 626	+0.272 398
1.99	+0.076 113	+0.129 657	+0.183 210	+0.232 582	+0.275 776
2.00	+0.087 207	+0.138 431	+0.189 812	+0.237 320	+0.278 991
2.01	+0.097 789	+0.146 810	+0.196 122	+0.241 849	+0.282 073
2.02	+0.107 883	+0.154 814	+0.202 154	+0.246 175	+0.285 005
2.03	+0.117 513	+0.162 458	+0.207 918	+0.250 309	+0.287 799
2.04	+0.126 701	+0.169 759	+0.213 426	+0.254 256	+0.290 460
2.05	+0.135 469	+0.176 733	+0.218 690	+0.258 025	+0.292 987
2.06	+0.143 836	+0.183 393	+0.223 718	+0.261 623	+0.295 405
2.07	+0.151 824	+0.189 754	+0.228 522	+0.265 056	+0.297 699
2.08	+0.159 443	+0.195 829	+0.233 110	+0.268 332	+0.299 878
2.09	+0.166 712	+0.201 631	+0.237 491	+0.271 455	+0.301 949
2.10	+0.173 652	+0.207 170	+0.241 674	+0.274 433	+0.303 914
2.11	+0.180 276	+0.212 460	+0.245 667	+0.277 270	+0.305 778
2.12	+0.186 599	+0.217 511	+0.249 478	+0.279 973	+0.307 540
2.13	+0.192 633	+0.222 332	+0.253 114	+0.282 546	+0.309 216
2.14	+0.198 392	+0.226 934	+0.256 582	+0.284 994	+0.310 798
2.15	+0.203 887	+0.231 327	+0.259 889	+0.287 323	+0.312 294
2.16	+0.209 132	+0.235 518	+0.263 041	+0.289 537	+0.313 705
2.17	+0.214 137	+0.239 517	+0.266 046	+0.291 641	+0.315 036
2.18	+0.218 912	+0.243 332	+0.268 909	+0.293 638	+0.316 289
2.19	+0.223 468	+0.246 970	+0.271 635	+0.295 533	+0.317 468
2.20	+0.227 814	+0.250 439	+0.274 231	+0.297 329	+0.318 574
2.21	+0.231 959	+.0253 746	+0.276 701	+0.299 031	+0.319 611

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	15°	20°	25°	30°	35°
2.21	+0.231 959	+0.253 746	+0.276 701	+0.299 031	+0.319 611
2.22	+0.235 912	+0.256 898	+0.279 050	+0.300 642	+0.320 581
2.23	+0.239 681	+0.259 900	+0.281 283	+0.302 166	+0.321 487
2.24	+0.243 275	+0.262 760	+0.283 405	+0.303 605	+0.322 332
2.25	+0.246 700	+0.265 483	+0.285 419	+0.304 964	+0.323 116
2.26	+0.249 963	+0.268 074	+0.287 331	+0.306 244	+0.323 844
2.27	+0.253 073	+0.270 539	+0.289 144	+0.307 450	+0.324 516
2.28	+0.256 034	+0.272 884	+0.290 862	+0.308 583	+0.325 134
2.29	+0.258 853	+0.275 112	+0.292 488	+0.309 648	+0.325 702
2.30	+0.261 537	+0.277 229	+0.294 027	+0.310 645	+0.326 220
2.31	+0.264 091	+0.279 239	+0.295 482	+0.311 578	+0.326 691
2.32	+0.266 518	+0.281 146	+0.296 855	+0.312 450	+0.327 115
2.33	+0.268 827	+0.282 955	+0.298 151	+0.313 262	+0.327 496
2.34	+0.271 021	+0.284 669	+0.299 372	+0.314 016	+0.327 834
2.35	+0.273 104	+0.286 293	+0.300 521	+0.314 716	+0.328 132
2.36	+0.275 082	+0.287 829	+0.301 601	+0.315 362	+0.328 390
2.37	+0.276 959	+0.289 281	+0.302 614	+0.315 957	+0.328 610
2.38	+0.278 738	+0.290 653	+0.303 563	+0.316 504	+0.328 794
2.39	+0.280 424	+0.291 947	+0.304 451	+0.317 003	+0.328 942
2.40	+0.282 021	+0.293 167	+0.305 279	+0.317 456	+0.329 057
2.41	+0.283 531	+0.294 315	+0.306 050	+0.317 866	+0.329 135
2.42	+0.284 959	+0.295 395	+0.306 766	+0.318 233	+0.329 189
2.43	+0.286 307	+0.296 408	+0.307 430	+0.318 560	+0.329 210
2.44	+0.287 579	+0.297 359	+0.308 043	+0.318 847	+0.329 201
2.45	+0.288 778	+0.298 248	+0.308 607	+0.319 097	+0.329 164
2.46	+0.289 907	+0.299 078	+0.309 124	+0.319 311	+0.329 101
2.47	+0.290 968	+0.299 853	+0.309 596	+0.319 490	+0.329 011
2.48	+0.291 965	+0.300 572	+0.310 024	+0.319 635	+0.328 897
3.49	+0.292 898	+0.301 240	+0.310 411	+0.319 748	+0.328 758
2.50	+0.293 772	+0.301 858	+0.310 757	+0.319 830	+0.328 597
2.51	+0.294 589	+0.302 427	+0.311 064	+0.319 881	+0.328 413
2.52	+0.295 351	+0.302 950	+0.311 334	+0.319 904	+0.328 208
2.53	+0.296 058	+0.303 428	+0.311 568	+0.319 900	+0.327 982
2.54	+0.296 713	+0.303 863	+0.311 768	+0.319 868	+0.327 736
2.55	+0.297 321	+0.304 257	+0.311 934	+0.319 811	+0.327 471
2.56	+0.297 881	+0.304 611	+0.312 068	+0.319 729	+0.327 188
2.57	+0.298 396	+0.304 927	+0.312 172	+0.319 623	+0.326 888
2.58	+0.298 867	+0.305 206	+0.312 246	+0.319 495	+0.326 570
2.59	+0.299 295	+0.305 449	+0.312 291	+0.319 344	+0.326 236
2.60	+0.299 681	+0.305 659	+0.312 309	+0.319 172	+0.325 887
2.61	+0.300 033	+0.305 836	+0.312 301	+0.318 980	+0.325 522
2.62	+0.300 345	+0.305 981	+0.312 267	+0.318 768	+0.325 144
2.63	+0.300 620	+0.306 096	+0.312 209	+0.318 537	+0.324 752
2.64	+0.300 862	+0.306 182	+0.312 127	+0.318 288	+0.324 345
2.65	+0.301 069	+0.306 239	+0.312 022	+0.318 021	+0.323 926
2.66	+0.301 245	+0.306 270	+0.311 896	+0.317 738	+0.323 495
2.67	+0.301 390	+0.306 274	+0.311 748	+0.317 439	+0.323 052
2.68	+0.301 505	+0.306 254	+0.311 580	+0.317 124	+0.322 599
2.69	+0.301 591	+0.306 209	+0.311 393	+0.316 794	+0.322 133
2.70	+0.301 651	+0.306 141	+0.311 187	+0.316 450	+0.321 657
2.71	+0.301 683	+0.306 051	+0.310 963	+0.316 092	+0.321 172
2.72	+0.301 691	+0.305 940	+0.310 722	+0.315 721	+0.320 677
2.73	+0.301 674	+0.305 808	+0.310 465	+0.315 338	+0.320 173
2.74	+0.301 633	+0.305 656	+0.310 192	+0.314 942	+0.319 660
2.75	+0.301 569	+0.305 485	+0.309 903	+0.314 534	+0.319 139
2.76	+0.301 484	+0.305 295	+0.309 599	+0.314 115	+0.318 610

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	15°	20°	25°	30°	35°
2.76	+0.301 484	+0.305 295	+0.309 599	+0.314 115	+0.318 610
2.77	+0.301 378	+0.305 088	+0.309 281	+0.313 686	+0.318 073
2.78	+0.301 252	+0.304 864	+0.308 950	+0.313 246	+0.317 528
2.79	+0.301 106	+0.304 623	+0.308 606	+0.312 796	+0.316 976
2.80	+0.300 939	+0.304 367	+0.308 249	+0.312 336	+0.316 418
2.81	+0.300 759	+0.304 096	+0.307 880	+0.311 868	+0.315 854
2.82	+0.300 560	+0.303 810	+0.307 499	+0.311 391	+0.315 286
2.83	+0.300 344	+0.303 511	+0.307 107	+0.310 905	+0.314 710
2.84	+0.300 111	+0.303 198	+0.306 705	+0.310 412	+0.314 128
2.85	+0.299 864	+0.302 872	+0.306 293	+0.309 910	+0.313 541
2.86	+0.299 602	+0.302 533	+0.305 871	+0.309 402	+0.312 950
2.87	+0.299 325	+0.302 183	+0.305 439	+0.308 886	+0.312 353
2.88	+0.299 035	+0.301 822	+0.304 998	+0.308 364	+0.311 752
2.89	+0.298 732	+0.301 449	+0.304 548	+0.307 835	+0.311 146
2.90	+0.298 417	+0.301 066	+0.304 090	+0.307 301	+0.310 537
2.91	+0.298 089	+0.300 673	+0.303 624	+0.306 760	+0.309 924
2.92	+0.297 749	+0.300 270	+0.303 151	+0.306 214	+0.309 307
2.93	+0.297 399	+0.299 858	+0.302 670	+0.305 663	+0.308 687
2.94	+0.297 038	+0.299 436	+0.302 183	+0.305 106	+0.308 063
2.95	+0.296 666	+0.299 007	+0.301 688	+0.304 545	+0.307 437
2.96	+0.296 285	+0.298 569	+0.301 187	+0.303 979	+0.306 807
2.97	+0.295 894	+0.298 123	+0.300 680	+0.303 409	+0.306 175
2.98	+0.295 494	+0.297 670	+0.300 168	+0.302 835	+0.305 540
2.99	+0.295 085	+0.297 210	+0.299 650	+0.302 256	+0.304 902
3.00	+0.294 668	+0.296 742	+0.299 126	+0.301 674	+0.304 264
3.01	+0.294 243	+0.296 269	+0.298 597	+0.301 089	+0.303 622
3.02	+0.293 811	+0.295 788	+0.298 064	+0.300 500	+0.302 980
3.03	+0.293 371	+0.295 302	+0.297 526	+0.299 909	+0.302 336
3.04	+0.292 924	+0.294 810	+0.296 984	+0.299 314	+0.301 688
3.05	+0.292 470	+0.294 313	+0.296 437	+0.298 716	+0.301 041
3.06	+0.292 010	+0.293 810	+0.295 886	+0.298 116	+0.300 392
3.07	+0.291 543	+0.293 302	+0.295 332	+0.297 513	+0.299 740
3.08	+0.291 071	+0.292 790	+0.294 774	+0.296 909	+0.299 090
3.09	+0.290 592	+0.292 273	+0.294 213	+0.296 302	+0.298 436
3.10	+0.290 109	+0.291 751	+0.293 649	+0.295 692	+0.297 785
3.11	+0.289 621	+0.291 226	+0.293 082	+0.295 082	+0.297 129
3.12	+0.289 127	+0.290 696	+0.292 512	+0.294 469	+0.296 473
3.13	+0.288 629	+0.290 163	+0.291 939	+0.293 855	+0.295 817
3.14	+0.288 127	+0.289 627	+0.291 364	+0.293 239	+0.295 162
3.15	+0.287 620	+0.289 087	+0.290 786	+0.292 622	+0.294 507
3.16	+0.287 109	+0.288 543	+0.290 206	+0.292 004	+0.293 850
3.17	+0.286 594	+0.287 997	+0.289 624	+0.291 385	+0.293 194
3.18	+0.286 076	+0.287 448	+0.289 040	+0.290 764	+0.292 536
3.19	+0.285 554	+0.286 896	+0.288 455	+0.290 143	+0.291 879
3.20	+0.285 029	+0.286 342	+0.287 868	+0.289 521	+0.291 223
3.21	+0.284 501	+0.285 786	+0.287 279	+0.288 898	+0.290 567
3.22	+0.283 970	+0.285 227	+0.286 689	+0.288 275	+0.289 910
3.23	+0.283 436	+0.284 666	+0.286 097	+0.287 651	+0.289 254
3.24	+0.282 899	+0.284 103	+0.285 505	+0.287 027	+0.288 599
3.25	+0.282 360	+0.283 539	+0.284 911	+0.286 403	+0.287 943
3.26	+0.281 819	+0.282 972	+0.284 316	+0.285 778	+0.287 287
3.27	+0.281 275	+0.282 404	+0.283 720	+0.285 153	+0.286 633
3.28	+0.280 729	+0.281 835	+0.283 124	+0.284 528	+0.285 980
3.29	+0.280 182	+0.281 264	+0.282 527	+0.283 903	+0.285 328
3.30	+0.279 632	+0.280 692	+0.281 930	+0.283 278	+0.284 674
3.31	+0.279 081	+0.280 119	+0.281 332	+0.282 654	+0.284 023

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	15°	20°	25°	30°	35°
3.31	+ 0.279 081	+ 0.280 119	+ 0.281 332	+ 0.282 654	+ 0.284 023
3.32	+ 0.278 528	+ 0.279 545	+ 0.280 733	+ 0.282 029	+ 0.283 372
3.33	+ 0.277 974	+ 0.278 970	+ 0.280 134	+ 0.281 405	+ 0.282 722
3.34	+ 0.277 419	+ 0.278 394	+ 0.279 535	+ 0.280 781	+ 0.282 072
3.35	+ 0.276 862	+ 0.277 818	+ 0.278 936	+ 0.280 157	+ 0.281 425
3.36	+ 0.276 304	+ 0.277 241	+ 0.278 337	+ 0.279 534	+ 0.280 779
3.37	+ 0.275 746	+ 0.276 663	+ 0.277 737	+ 0.278 912	+ 0.280 133
3.38	+ 0.275 186	+ 0.276 085	+ 0.277 138	+ 0.278 290	+ 0.279 489
3.39	+ 0.274 625	+ 0.275 506	+ 0.276 539	+ 0.277 668	+ 0.278 845
3.40	+ 0.274 062	+ 0.274 927	+ 0.275 940	+ 0.277 048	+ 0.278 200
3.41	+ 0.273 502	+ 0.274 348	+ 0.275 341	+ 0.276 428	+ 0.277 560
3.42	+ 0.272 939	+ 0.273 769	+ 0.274 742	+ 0.275 809	+ 0.276 919
3.43	+ 0.272 376	+ 0.273 189	+ 0.274 144	+ 0.275 190	+ 0.276 282
3.44	+ 0.271 813	+ 0.272 610	+ 0.273 546	+ 0.274 573	+ 0.275 644
3.45	+ 0.271 249	+ 0.272 031	+ 0.272 949	+ 0.273 956	+ 0.275 007
3.46	+ 0.270 685	+ 0.271 451	+ 0.272 352	+ 0.273 340	+ 0.274 374
3.47	+ 0.270 121	+ 0.270 872	+ 0.271 756	+ 0.272 726	+ 0.273 738
3.48	+ 0.269 556	+ 0.270 293	+ 0.271 160	+ 0.272 112	+ 0.273 107
3.49	+ 0.268 992	+ 0.269 715	+ 0.270 565	+ 0.271 499	+ 0.272 478
3.50	+ 0.268 427	+ 0.269 136	+ 0.269 971	+ 0.270 888	+ 0.271 848
3.51	+ 0.267 863	+ 0.268 558	+ 0.269 378	+ 0.270 277	+ 0.271 220
3.52	+ 0.267 299	+ 0.267 981	+ 0.268 785	+ 0.269 668	+ 0.270 595
3.53	+ 0.266 733	+ 0.267 404	+ 0.268 193	+ 0.269 060	+ 0.269 969
3.54	+ 0.266 171	+ 0.266 827	+ 0.267 602	+ 0.268 453	+ 0.269 346
3.55	+ 0.265 608	+ 0.266 252	+ 0.267 011	+ 0.267 848	+ 0.268 724
3.56	+ 0.265 045	+ 0.265 676	+ 0.266 422	+ 0.267 243	+ 0.268 105
3.57	+ 0.264 478	+ 0.265 102	+ 0.265 834	+ 0.266 640	+ 0.267 487
3.58	+ 0.263 919	+ 0.264 528	+ 0.265 247	+ 0.266 039	+ 0.266 871
3.59	+ 0.263 358	+ 0.263 955	+ 0.264 660	+ 0.265 438	+ 0.266 256
3.60	+ 0.262 796	+ 0.263 382	+ 0.264 075	+ 0.264 839	+ 0.265 644
3.61	+ 0.262 236	+ 0.262 811	+ 0.263 491	+ 0.264 242	+ 0.265 031
3.62	+ 0.261 676	+ 0.262 240	+ 0.262 908	+ 0.263 646	+ 0.264 421
3.63	+ 0.261 116	+ 0.261 671	+ 0.262 326	+ 0.263 051	+ 0.263 813
3.64	+ 0.260 560	+ 0.261 102	+ 0.261 746	+ 0.262 458	+ 0.263 208
3.65	+ 0.259 999	+ 0.260 534	+ 0.261 166	+ 0.261 866	+ 0.262 602
3.66	+ 0.259 442	+ 0.259 967	+ 0.260 588	+ 0.261 275	+ 0.262 000
3.67	+ 0.258 886	+ 0.259 401	+ 0.260 011	+ 0.260 687	+ 0.261 397
3.68	+ 0.258 330	+ 0.258 836	+ 0.259 436	+ 0.260 099	+ 0.260 799
3.69	+ 0.257 776	+ 0.258 273	+ 0.258 861	+ 0.259 514	+ 0.260 202
3.70	+ 0.257 222	+ 0.257 710	+ 0.258 288	+ 0.258 930	+ 0.259 606
3.71	+ 0.256 669	+ 0.257 148	+ 0.257 716	+ 0.258 347	+ 0.259 010
3.72	+ 0.256 117	+ 0.256 588	+ 0.257 146	+ 0.257 766	+ 0.258 420
3.73	+ 0.255 566	+ 0.256 029	+ 0.256 577	+ 0.257 187	+ 0.257 830
3.74	+ 0.255 017	+ 0.255 471	+ 0.256 010	+ 0.256 609	+ 0.257 241
3.75	+ 0.254 468	+ 0.254 914	+ 0.255 444	+ 0.256 033	+ 0.256 655
3.76	+ 0.253 920	+ 0.254 359	+ 0.254 880	+ 0.255 458	+ 0.256 070
3.77	+ 0.253 373	+ 0.253 804	+ 0.254 316	+ 0.254 885	+ 0.255 486
3.78	+ 0.252 828	+ 0.253 251	+ 0.253 755	+ 0.254 314	+ 0.254 906
3.79	+ 0.252 284	+ 0.252 700	+ 0.253 195	+ 0.253 744	+ 0.254 327
3.80	+ 0.251 740	+ 0.252 149	+ 0.252 636	+ 0.253 176	+ 0.253 749
3.81	+ 0.251 198	+ 0.251 600	+ 0.252 079	+ 0.252 610	+ 0.253 174
3.82	+ 0.250 659	+ 0.251 053	+ 0.251 523	+ 0.252 046	+ 0.252 600
3.83	+ 0.250 118	+ 0.250 506	+ 0.250 968	+ 0.251 483	+ 0.252 028
3.84	+ 0.249 580	+ 0.249 961	+ 0.250 415	+ 0.250 922	+ 0.251 458
3.85	+ 0.249 043	+ 0.249 418	+ 0.249 864	+ 0.250 362	+ 0.250 890
3.86	+ 0.248 507	+ 0.248 876	+ 0.249 315	+ 0.249 804	+ 0.250 324

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	15°	20°	25°	30°	35°
3.86	+ 0.248 507	+ 0.248 876	+ 0.249 315	+ 0.249 804	+ 0.250 324
3.87	+ 0.247 972	+ 0.248 335	+ 0.248 767	+ 0.249 248	+ 0.249 761
3.88	+ 0.247 439	+ 0.247 795	+ 0.248 220	+ 0.248 694	+ 0.249 198
3.89	+ 0.246 907	+ 0.247 258	+ 0.247 675	+ 0.248 142	+ 0.248 638
3.90	+ 0.246 376	+ 0.246 721	+ 0.247 132	+ 0.247 591	+ 0.248 078
3.91	+ 0.245 847	+ 0.246 186	+ 0.246 590	+ 0.247 042	+ 0.247 522
3.92	+ 0.245 319	+ 0.245 653	+ 0.246 050	+ 0.246 494	+ 0.246 966
3.93	+ 0.244 792	+ 0.245 121	+ 0.245 512	+ 0.245 949	+ 0.246 413
3.94	+ 0.244 267	+ 0.244 590	+ 0.244 975	+ 0.245 405	+ 0.245 864
3.95	+ 0.243 744	+ 0.244 061	+ 0.244 440	+ 0.244 863	+ 0.245 313
3.96	+ 0.243 220	+ 0.243 533	+ 0.243 906	+ 0.244 322	+ 0.244 767
3.97	+ 0.242 701	+ 0.243 007	+ 0.243 374	+ 0.243 784	+ 0.244 221
3.98	+ 0.242 179	+ 0.242 483	+ 0.242 844	+ 0.243 247	+ 0.243 676
3.99	+ 0.241 663	+ 0.241 960	+ 0.242 315	+ 0.242 712	+ 0.243 136
4.00	+ 0.241 148	+ 0.241 438	+ 0.241 788	+ 0.242 179	+ 0.242 596

z \ ψ	40°	45°	50°	55°	60°
0.01	— 2.327 36	— 2.143 92	— 1.944 34	— 1.730 29	— 1.503 57
0.02	— 2.357 00	— 2.166 66	— 1.960 26	— 1.739 66	— 1.506 86
0.03	— 2.387 07	— 2.189 57	— 1.976 11	— 1.748 78	— 1.509 78
0.04	— 2.417 58	— 2.212 63	— 1.991 88	— 1.757 65	— 1.512 35
0.05	— 2.448 48	— 2.235 84	— 2.007 56	— 1.766 27	— 1.514 56
0.06	— 2.479 81	— 2.259 15	— 2.023 14	— 1.774 61	— 1.516 39
0.07	— 2.511 56	— 2.282 60	— 2.038 59	— 1.782 65	— 1.517 82
0.08	— 2.543 70	— 2.306 12	— 2.053 88	— 1.790 37	— 1.518 84
0.09	— 2.576 25	— 2.329 72	— 2.069 01	— 1.797 76	— 1.519 44
0.10	— 2.609 20	— 2.353 39	— 2.083 95	— 1.804 78	— 1.519 61
0.11	— 2.642 54	— 2.377 12	— 2.098 68	— 1.811 45	— 1.519 33
0.12	— 2.676 24	— 2.400 86	— 2.113 19	— 1.817 73	— 1.518 59
0.13	— 2.710 32	— 2.424 62	— 2.127 44	— 1.823 59	— 1.517 37
0.14	— 2.744 75	— 2.448 36	— 2.141 42	— 1.829 03	— 1.515 67
0.15	— 2.779 52	— 2.472 07	— 2.155 10	— 1.834 00	— 1.513 47
0.16	— 2.814 61	— 2.495 70	— 2.168 45	— 1.838 52	— 1.510 76
0.17	— 2.850 01	— 2.519 25	— 2.181 46	— 1.842 54	— 1.507 52
0.18	— 2.885 70	— 2.542 70	— 2.194 09	— 1.846 05	— 1.503 76
0.19	— 2.921 66	— 2.565 99	— 2.206 31	— 1.849 05	— 1.499 44
0.20	— 2.957 87	— 2.589 11	— 2.218 10	— 1.851 48	— 1.494 58
0.21	— 2.994 30	— 2.612 03	— 2.229 44	— 1.853 35	— 1.489 15
0.22	— 3.030 92	— 2.634 72	— 2.240 28	— 1.854 63	— 1.483 15
0.23	— 3.067 70	— 2.657 13	— 2.250 61	— 1.855 31	— 1.476 58
0.24	— 3.104 62	— 2.679 24	— 2.260 39	— 1.855 36	— 1.469 42
0.25	— 3.141 63	— 2.701 01	— 2.269 59	— 1.854 76	— 1.461 66
0.26	— 3.178 70	— 2.722 38	— 2.278 19	— 1.853 50	— 1.453 31
0.27	— 3.215 80	— 2.743 34	— 2.286 14	— 1.851 56	— 1.444 36
0.28	— 3.252 88	— 2.763 83	— 2.293 42	— 1.848 94	— 1.434 81
0.29	— 3.289 89	— 2.783 81	— 2.300 01	— 1.845 59	— 1.424 64
0.30	— 3.326 79	— 2.803 24	— 2.305 86	— 1.841 52	— 1.413 87
0.31	— 3.363 52	— 2.822 07	— 2.310 94	— 1.836 71	— 1.402 49
0.32	— 3.400 03	— 2.840 25	— 2.315 24	— 1.831 14	— 1.390 51
0.33	— 3.436 28	— 2.857 74	— 2.318 71	— 1.824 80	— 1.377 92
0.34	— 3.472 18	— 2.874 48	— 2.321 32	— 1.817 69	— 1.364 73
0.35	— 3.507 68	— 2.890 44	— 2.323 05	— 1.809 80	— 1.350 94
0.36	— 3.542 72	— 2.905 55	— 2.323 88	— 1.801 10	— 1 336 56

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	40°	45°	50°	55°	60°
0.36	— 3.542 72	— 2.905 55	— 2.323 88	— 1.801 10	— 1.336 56
0.37	— 3.577 23	— 2.919 76	— 2.323 76	— 1.791 61	— 1.321 60
0.38	— 3.611 13	— 2.933 03	— 2.322 68	— 1.781 31	— 1.306 05
0.39	— 3.644 35	— 2.945 30	— 2.320 60	— 1.770 20	— 1.289 95
0.40	— 3.676 80	— 2.956 52	— 2.317 52	— 1.758 28	— 1.273 28
0.41	— 3.708 41	— 2.966 63	— 2.313 39	— 1.745 54	— 1.256 08
0.42	— 3.739 09	— 2.975 59	— 2.308 21	— 1.731 99	— 1.238 34
0.43	— 3.768 76	— 2.983 35	— 2.301 96	— 1.717 63	— 1.220 08
0.44	— 3.797 33	— 2.989 85	— 2.294 61	— 1.702 46	— 1.201 32
0.45	— 3.824 71	— 2.995 05	— 2.286 15	— 1.686 50	— 1.182 08
0.46	— 3.850 81	— 2.998 89	— 2.276 57	— 1.669 74	— 1.162 36
0.47	— 3.875 53	— 3.001 34	— 2.265 86	— 1.652 20	— 1.142 20
0.48	— 3.898 78	— 3.002 34	— 2.254 01	— 1.633 89	— 1.121 60
0.49	— 3.920 46	— 3.001 87	— 2.241 01	— 1.614 83	— 1.100 60
0.50	— 3.940 48	— 2.999 87	— 2.226 87	— 1.595 02	— 1.079 20
0.51	— 3.958 75	— 2.996 30	— 2.211 58	— 1.574 50	— 1.057 44
0.52	— 3.975 17	— 2.991 15	— 2.195 14	— 1.553 26	— 1.035 33
0.53	— 3.989 64	— 2.984 37	— 2.177 56	— 1.531 35	— 1.012 89
0.54	— 4.002 08	— 2.975 94	— 2.158 85	— 1.508 76	— 0.990 161
0.55	— 4.012 40	— 2.965 83	— 2.139 01	— 1.485 55	— 0.967 154
0.56	— 4.020 50	— 2.954 03	— 2.118 07	— 1.461 71	— 0.943 895
0.57	— 4.026 32	— 2.940 52	— 2.096 03	— 1.437 29	— 0.920 412
0.58	— 4.029 77	— 2.925 30	— 2.072 93	— 1.412 31	— 0.896 727
0.59	— 4.030 77	— 2.908 35	— 2.048 78	— 1.386 80	— 0.872 867
0.60	— 4.029 27	— 2.889 67	— 2.023 60	— 1.360 79	— 0.848 856
0.61	— 4.025 20	— 2.869 28	— 1.997 43	— 1.334 31	— 0.824 721
0.62	— 4.018 50	— 2.847 17	— 1.970 29	— 1.307 39	— 0.800 485
0.63	— 4.009 12	— 2.823 36	— 1.942 22	— 1.280 06	— 0.776 175
0.64	— 3.997 03	— 2.797 88	— 1.913 26	— 1.252 36	— 0.751 814
0.65	— 3.982 20	— 2.770 74	— 1.883 44	— 1.224 32	— 0.727 428
0.66	— 3.964 59	— 2.741 97	— 1.852 80	— 1.195 98	— 0.703 042
0.67	— 3.944 20	— 2.711 62	— 1.821 38	— 1.167 37	— 0.678 677
0.68	— 3.921 03	— 2.679 71	— 1.789 23	— 1.138 53	— 0.654 358
0.69	— 3.895 07	— 2.646 30	— 1.756 40	— 1.109 48	— 0.630 106
0.70	— 3.866 34	— 2.611 43	— 1.722 92	— 1.080 27	— 0.605 945
0.71	— 3.834 86	— 2.575 15	— 1.688 85	— 1.050 93	— 0.581 897
0.72	— 3.800 68	— 2.537 52	— 1.654 24	— 1.021 49	— 0.557 980
0.73	— 3.763 83	— 2.498 61	— 1.619 14	— 0.991 984	— 0.534 215
0.74	— 3.724 36	— 2.458 48	— 1.583 59	— 0.962 448	— 0.510 623
0.75	— 3.682 36	— 2.417 18	— 1.547 64	— 0.932 915	— 0.487 221
0.76	— 3.637 87	— 2.374 81	— 1.511 36	— 0.903 415	— 0.464 026
0.77	— 3.591 00	— 2.331 42	— 1.474 78	— 0.873 979	— 0.441 056
0.78	— 3.541 82	— 2.287 10	— 1.437 96	— 0.844 639	— 0.418 326
0.79	— 3.490 45	— 2.241 91	— 1.400 96	— 0.815 419	— 0.395 851
0.80	— 3.436 97	— 2.195 94	— 1.363 80	— 0.786 356	— 0.373 645
0.81	— 3.381 51	— 2.149 28	— 1.326 56	— 0.757 469	— 0.351 721
0.82	— 3.324 19	— 2.101 99	— 1.289 27	— 0.728 787	— 0.330 093
0.83	— 3.265 13	— 2.054 16	— 1.251 98	— 0.700 334	— 0.308 770
0.84	— 3.204 45	— 2.005 86	— 1.214 74	— 0.672 135	— 0.287 764
0.85	— 3.142 29	— 1.957 19	— 1.177 59	— 0.644 213	— 0.267 083
0.86	— 3.078 79	— 1.908 22	— 1.140 57	— 0.616 583	— 0.246 737
0.87	— 3.014 07	— 1.859 01	— 1.103 73	— 0.589 271	— 0.226 734
0.88	— 2.948 29	— 1.809 66	— 1.067 10	— 0.562 293	— 0.207 080
0.89	— 2.881 58	— 1.760 23	— 1.030 72	— 0.535 668	— 0.187 782
0.90	— 2.814 08	— 1.710 80	— 0.994 632	— 0.509 410	— 0.168 846
0.91	— 2.745 91	— 1.661 44	— 0.958 863	— 0.483 534	— 0.150 275

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	40°	45°	50°	55°	60°
0.91	— 2.745 91	— 1.661 44	— 0.958 863	— 0.483 534	— 0.150 275
0.92	— 2.677 23	— 1.612 22	— 0.923 446	— 0.458 054	— 0.132 073
0.93	— 2.608 17	— 1.563 19	— 0.888 413	— 0.432 982	— 0.114 244
0.94	— 2.538 85	— 1.514 43	— 0.853 791	— 0.408 329	— 0.096 791
0.95	— 2.469 39	— 1.465 98	— 0.819 606	— 0.384 105	— 0.079 714
0.96	— 2.399 94	— 1.417 92	— 0.785 883	— 0.360 318	— 0.063 014
0.97	— 2.330 59	— 1.370 28	— 0.752 643	— 0.336 976	— 0.046 694
0.98	— 2.261 46	— 1.323 13	— 0.719 908	— 0.314 085	— 0.030 752
0.99	— 2.192 67	— 1.276 50	— 0.687 693	— 0.291 651	— 0.015 188
1.00	— 2.124 32	— 1.230 44	— 0.656 015	— 0.269 676	∓ 0.000 000
1.01	— 2.056 49	— 1.184 99	— 0.624 897	— 0.248 168	+ 0.014 813
1.02	— 1.989 28	— 1.140 19	— 0.594 342	— 0.227 126	+ 0.029 253
1.03	— 1.922 78	— 1.096 06	— 0.564 365	— 0.206 551	+ 0.043 322
1.04	— 1.857 06	— 1.052 64	— 0.534 975	— 0.186 445	+ 0.057 025
1.05	— 1.792 20	— 1.009 96	— 0.506 180	— 0.166 809	+ 0.070 363
1.06	— 1.728 25	— 0.968 043	— 0.477 986	— 0.147 641	+ 0.083 340
1.07	— 1.665 29	— 0.926 902	— 0.450 400	— 0.128 939	+ 0.095 962
1.08	— 1.603 36	— 0.886 560	— 0.423 424	— 0.110 702	+ 0.108 231
1.09	— 1.542 51	— 0.847 032	— 0.397 060	— 0.092 927	+ 0.120 152
1.10	— 1.482 78	— 0.808 332	— 0.371 311	— 0.075 610	+ 0.131 730
1.11	— 1.424 22	— 0.770 468	— 0.346 175	— 0.058 747	+ 0.142 970
1.12	— 1.366 85	— 0.733 450	— 0.321 652	— 0.042 334	+ 0.153 877
1.13	— 1.310 69	— 0.697 282	— 0.297 739	— 0.026 367	+ 0.164 457
1.14	— 1.255 78	— 0.661 968	— 0.274 433	— 0.010 840	+ 0.174 715
1.15	— 1.202 13	— 0.627 510	— 0.251 731	+ 0.004 253	+ 0.184 656
1.16	— 1.149 74	— 0.593 909	— 0.229 626	+ 0.018 918	+ 0.194 287
1.17	— 1.098 64	— 0.561 158	— 0.208 115	+ 0.033 160	+ 0.203 613
1.18	— 1.048 82	— 0.529 260	— 0.187 190	+ 0.046 987	+ 0.212 640
1.19	— 1.000 29	— 0.498 206	— 0.166 844	+ 0.060 405	+ 0.221 373
1.20	— 0.953 043	— 0.467 989	— 0.147 071	+ 0.073 421	+ 0.229 820
1.21	— 0.907 074	— 0.438 602	— 0.127 862	+ 0.086 042	+ 0.237 987
1.22	— 0.862 381	— 0.410 037	— 0.109 208	+ 0.098 276	+ 0.245 878
1.23	— 0.818 950	— 0.382 284	— 0.091 101	+ 0.110 129	+ 0.253 501
1.24	— 0.776 771	— 0.355 331	— 0.073 532	+ 0.121 611	+ 0.260 861
1.25	— 0.735 827	— 0.329 170	— 0.056 491	+ 0.132 727	+ 0.267 964
1.26	— 0.696 105	— 0.303 779	— 0.039 968	+ 0.143 486	+ 0.274 817
1.27	— 0.657 586	— 0.279 155	— 0.023 953	+ 0.153 895	+ 0.281 425
1.28	— 0.620 251	— 0.255 280	— 0.008 438	+ 0.163 964	+ 0.287 794
1.29	— 0.584 079	— 0.232 141	+ 0.006 590	+ 0.173 698	+ 0.293 930
1.30	— 0.549 052	— 0.209 724	+ 0.021 141	+ 0.183 106	+ 0.299 840
1.31	— 0.515 142	— 0.188 014	+ 0.035 225	+ 0.192 195	+ 0.305 529
1.32	— 0.482 331	— 0.166 993	+ 0.048 852	+ 0.200 974	+ 0.311 002
1.33	— 0.450 592	— 0.146 649	+ 0.062 034	+ 0.209 449	+ 0.316 265
1.34	— 0.419 902	— 0.126 965	+ 0.074 780	+ 0.217 629	+ 0.321 324
1.35	— 0.390 236	— 0.107 927	+ 0.087 102	+ 0.225 521	+ 0.326 185
1.36	— 0.361 570	— 0.089 518	+ 0.099 010	+ 0.233 133	+ 0.330 852
1.37	— 0.333 878	— 0.071 723	+ 0.110 514	+ 0.240 471	+ 0.335 331
1.38	— 0.307 134	— 0.054 525	+ 0.121 625	+ 0.247 543	+ 0.339 627
1.39	— 0.281 314	— 0.037 911	+ 0.132 352	+ 0.254 356	+ 0.343 746
1.40	— 0.256 392	— 0.021 863	+ 0.142 708	+ 0.260 915	+ 0.347 692
1.41	— 0.232 344	— 0.006 368	+ 0.152 700	+ 0.267 234	+ 0.351 470
1.42	— 0.209 144	+ 0.008 591	+ 0.162 339	+ 0.273 313	+ 0.355 086
1.43	— 0.186 768	+ 0.023 029	+ 0.171 636	+ 0.279 160	+ 0.358 543
1.44	— 0.165 191	+ 0.036 959	+ 0.180 599	+ 0.284 782	+ 0.361 847
1.45	— 0.144 390	+ 0.050 397	+ 0.189 238	+ 0.290 186	+ 0.365 002
1.46	— 0.124 341	+ 0.063 357	+ 0.197 562	+ 0.295 378	+ 0.368 012

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	40°	45°	50°	55°	60°
1.46	−0.124 341	+0.063 357	+0.197 562	+0.295 378	+0.368 012
1.47	−0.105 019	+0.075 853	+0.205 581	+0.300 364	+0.370 882
1.48	−0.086 404	+0.087 899	+0.213 304	+0.305 151	+0.373 617
1.49	−0.068 472	+0.099 509	+0.220 738	+0.309 743	+0.376 219
1.50	−0.051 202	+0.110 695	+0.227 893	+0.314 148	+0.378 694
1.51	−0.034 571	+0.121 471	+0.234 777	+0.318 370	+0.381 044
1.52	−0.018 559	+0.131 850	+0.241 399	+0.322 416	+0.383 275
1.53	−0.003 146	+0.141 843	+0.247 765	+0.326 289	+0.385 390
1.54	+0.011 688	+0.151 464	+0.253 886	+0.329 996	+0.387 392
1.55	+0.025 963	+0.160 723	+0.259 767	+0.333 542	+0.389 284
1.56	+0.039 698	+0.169 634	+0.265 416	+0.336 933	+0.391 072
1.57	+0.052 911	+0.178 206	+0.270 841	+0.340 172	+0.392 757
1.58	+0.065 620	+0.186 450	+0.276 048	+0.343 264	+0.394 343
1.59	+0.077 841	+0.194 378	+0.281 045	+0.346 215	+0.395 833
1.60	+0.089 593	+0.202 000	+0.285 838	+0.349 028	+0.397 230
1.61	+0.100 892	+0.209 325	+0.290 434	+0.351 709	+0.398 538
1.62	+0.111 752	+0.216 365	+0.294 838	+0.354 260	+0.399 759
1.63	+0.122 190	+0.223 127	+0.299 058	+0.356 688	+0.400 897
1.64	+0.132 220	+0.229 621	+0.303 099	+0.358 994	+0.401 953
1.65	+0.141 858	+0.235 857	+0.306 967	+0.361 184	+0.402 931
1.66	+0.151 116	+0.241 843	+0.310 668	+0.363 261	+0.403 832
1.67	+0.160 008	+0.247 587	+0.314 207	+0.365 229	+0.404 661
1.68	+0.168 548	+0.253 098	+0.317 589	+0.367 091	+0.405 419
1.69	+0.176 747	+0.258 384	+0.320 820	+0.368 852	+0.406 108
1.70	+0.184 619	+0.263 451	+0.323 905	+0.370 513	+0.406 732
1.71	+0.192 174	+0.268 309	+0.326 848	+0.372 079	+0.407 291
1.72	+0.199 425	+0.272 963	+0.329 654	+0.373 553	+0.407 789
1.73	+0.206 382	+0.277 421	+0.332 329	+0.374 938	+0.408 228
1.74	+0.213 055	+0.281 689	+0.334 875	+0.376 237	+0.408 609
1.75	+0.219 456	+0.285 775	+0.337 298	+0.377 452	+0.408 934
1.76	+0.225 593	+0.289 684	+0.339 602	+0.378 586	+0.409 206
1.77	+0.231 477	+0.293 422	+0.341 791	+0.379 644	+0.409 426
1.78	+0.237 117	+0.296 996	+0.343 868	+0.380 625	+0.409 596
1.79	+0.242 521	+0.300 412	+0.345 838	+0.381 535	+0.409 718
1.80	+0.247 698	+0.303 673	+0.347 703	+0.382 374	+0.409 794
1.81	+0.252 656	+0.306 787	+0.349 469	+0.383 146	+0.409 825
1.82	+0.257 404	+0.309 758	+0.351 137	+0.383 852	+0.409 813
1.83	+0.261 949	+0.312 591	+0.352 712	+0.384 496	+0.409 759
1.84	+0.266 297	+0.315 291	+0.354 196	+0.385 078	+0.409 666
1.85	+0.270 458	+0.317 862	+0.355 593	+0.385 602	+0.409 533
1.86	+0.274 436	+0.320 310	+0.356 906	+0.386 068	+0.409 364
1.87	+0.278 240	+0.322 638	+0.358 138	+0.386 481	+0.409 158
1.88	+0.281 874	+0.324 851	+0.359 291	+0.386 840	+0.408 918
1.89	+0.285 347	+0.326 952	+0.360 368	+0.387 148	+0.408 645
1.90	+0.288 662	+0.328 945	+0.361 372	+0.387 408	+0.408 340
1.91	+0.291 827	+0.330 837	+0.362 306	+0.387 620	+0.408 004
1.92	+0.294 846	+0.332 628	+0.363 171	+0.387 786	+0.407 639
1.93	+0.297 725	+0.334 322	+0.363 970	+0.387 908	+0.407 245
1.94	+0.300 469	+0.335 923	+0.364 706	+0.387 988	+0.406 823
1.95	+0.303 083	+0.337 435	+0.365 381	+0.388 026	+0.406 375
1.96	+0.305 571	+0.338 860	+0.365 997	+0.388 026	+0.405 902
1.97	+0.307 939	+0.340 202	+0.366 556	+0.387 987	+0.405 404
1.98	+0.310 190	+0.341 463	+0.367 060	+0.387 911	+0.404 883
1.99	+0.312 329	+0.342 646	+0.367 511	+0.387 800	+0.404 340
2.00	+0.314 360	+0.343 754	+0.367 910	+0.387 655	+0.403 775
2.01	+0.316 287	+0.344 798	+0.368 261	+0.387 475	+0.403 189

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	40°	45°	50°	55°	60°
2.01	+0.316 287	+0.344 798	+0.368 261	+0.387 475	+0.403 189
2.02	+0.318 113	+0.345 765	+0.368 563	+0.387 266	+0.402 584
2.03	+0.319 843	+0.346 664	+0.368 821	+0.387 027	+0.401 959
2.04	+0.321 479	+0.347 498	+0.369 033	+0.386 758	+0.401 316
2.05	+0.323 026	+0.348 271	+0.369 204	+0.386 462	+0.400 656
2.06	+0.324 486	+0.348 983	+0.369 333	+0.386 138	+0.399 978
2.07	+0.325 862	+0.349 637	+0.369 422	+0.385 788	+0.399 285
2.08	+0.327 159	+0.350 234	+0.369 474	+0.385 413	+0.398 576
2.09	+0.328 378	+0.350 778	+0.369 489	+0.385 014	+0.397 853
2.10	+0.329 522	+0.351 270	+0.369 468	+0.384 591	+0.397 116
2.11	+0.330 594	+0.351 712	+0.369 413	+0.384 147	+0.396 365
2.12	+0.331 597	+0.352 105	+0.369 325	+0.383 681	+0.395 601
2.13	+0.332 533	+0.352 452	+0.369 206	+0.383 194	+0.394 825
2.14	+0.333 405	+0.352 754	+0.369 056	+0.382 688	+0.394 037
2.15	+0.334 215	+0.353 012	+0.368 877	+0.382 163	+0.393 238
2.16	+0.334 965	+0.353 229	+0.368 670	+0.381 620	+0.392 428
2.17	+0.335 657	+0.353 406	+0.368 435	+0.381 059	+0.391 608
2.18	+0.336 294	+0.353 544	+0.368 175	+0.380 481	+0.390 779
2.19	+0.336 878	+0.353 644	+0.367 889	+0.379 888	+0.389 940
2.20	+0.337 410	+0.353 709	+0.367 579	+0.379 278	+0.389 093
2.21	+0.337 892	+0.353 739	+0.367 246	+0.378 655	+0.388 237
2.22	+0.338 327	+0.353 736	+0.366 890	+0.378 017	+0.387 374
2.23	+0.338 715	+0.353 701	+0.366 513	+0.377 365	+0.386 503
2.24	+0.339 060	+0.353 635	+0.366 115	+0.376 701	+0.385 625
2.25	+0.339 361	+0.353 538	+0.365 697	+0.376 024	+0.384 741
2.26	+0.339 621	+0.353 414	+0.365 260	+0.375 335	+0.383 850
2.27	+0.339 841	+0.353 261	+0.364 805	+0.374 636	+0.382 953
2.28	+0.340 024	+0.353 082	+0.364 332	+0.373 925	+0.382 050
2.29	+0.340 169	+0.352 878	+0.363 842	+0.373 204	+0.381 143
2.30	+0.340 279	+0.352 649	+0.363 335	+0.372 473	+0.380 230
2.31	+0.340 355	+0.352 396	+0.362 814	+0.371 733	+0.379 313
2.32	+0.340 398	+0.352 120	+0.362 277	+0.370 984	+0.378 392
2.33	+0.340 409	+0.351 823	+0.361 726	+0.370 226	+0.377 466
2.34	+0.340 390	+0.351 504	+0.361 161	+0.369 460	+0.376 537
2.35	+0.340 341	+0.351 166	+0.360 583	+0.368 687	+0.375 605
2.36	+0.340 264	+0.350 807	+0.359 993	+0.367 906	+0.374 669
2.37	+0.340 160	+0.350 430	+0.359 390	+0.367 118	+0.373 730
2.38	+0.340 030	+0.350 035	+0.358 776	+0.366 324	+0.372 789
2.39	+0.339 875	+0.349 623	+0.358 150	+0.365 523	+0.371 845
2.40	+0.339 695	+0.349 194	+0.357 515	+0.364 717	+0.370 899
2.41	+0.339 492	+0.348 749	+0.356 869	+0.363 905	+0.369 951
2.42	+0.339 266	+0.348 289	+0.356 213	+0.363 088	+0.369 001
2.43	+0.339 019	+0.347 814	+0.355 548	+0.362 266	+0.368 050
2.44	+0.338 751	+0.347 326	+0.354 874	+0.361 439	+0.367 097
2.45	+0.338 463	+0.346 823	+0.354 192	+0.360 608	+0.366 143
2.46	+0.338 156	+0.346 308	+0.353 502	+0.359 772	+0.365 188
2.47	+0.337 830	+0.345 780	+0.352 804	+0.358 933	+0.364 232
2.48	+0.337 487	+0.345 240	+0.352 099	+0.358 091	+0.363 276
2.49	+0.337 127	+0.344 689	+0.351 387	+0.357 245	+0.362 319
2.50	+0.336 750	+0.344 126	+0.350 669	+0.356 396	+0.361 362
2.51	+0.336 357	+0.343 554	+0.349 944	+0.355 544	+0.360 404
2.52	+0.335 949	+0.342 971	+0.349 213	+0.354 689	+0.359 447
2.53	+0.335 527	+0.342 379	+0.348 477	+0.353 832	+0.358 489
2.54	+0.335 090	+0.341 778	+0.347 735	+0.352 973	+0.357 532
2.55	+0.334 641	+0.341 167	+0.346 989	+0.352 112	+0.356 575
2.56	+0.334 178	+0.340 549	+0.346 238	+0.351 249	+0.355 619

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	40°	45°	50°	55°	60°
2.56	+0.334 178	+0.340 549	+0.346 238	+0.351 249	+0.355 619
2.57	+0.333 703	+0.339 922	+0.345 482	+0.350 384	+0.354 664
2.58	+0.333 217	+0.339 288	+0.344 722	+0.349 518	+0.353 709
2.59	+0.332 718	+0.338 647	+0.343 958	+0.348 651	+0.352 755
2.60	+0.332 209	+0.337 998	+0.343 191	+0.347 782	+0.351 802
2.61	+0.331 690	+0.337 343	+0.342 419	+0.346 913	+0.350 850
2.62	+0.331 161	+0.336 682	+0.341 645	+0.346 043	+0.349 899
2.63	+0.330 622	+0.336 015	+0.340 868	+0.345 172	+0.348 950
2.64	+0.330 074	+0.335 343	+0.340 088	+0.344 301	+0.348 002
2.65	+0.329 517	+0.334 664	+0.339 305	+0.343 429	+0.347 055
2.66	+0.328 952	+0.333 981	+0.338 520	+0.342 559	+0.346 110
2.67	+0.328 378	+0.333 292	+0.337 733	+0.341 686	+0.345 167
2.68	+0.327 798	+0.332 600	+0.336 943	+0.340 813	+0.344 225
2.69	+0.327 210	+0.331 903	+0.336 152	+0.339 942	+0.343 285
2.70	+0.326 614	+0.331 202	+0.335 359	+0.339 070	+0.342 347
2.71	+0.326 013	+0.330 498	+0.334 565	+0.338 199	+0.341 411
2.72	+0.325 405	+0.329 788	+0.333 769	+0.337 329	+0.340 477
2.73	+0.324 791	+0.329 077	+0.332 972	+0.336 459	+0.339 545
2.74	+0.324 171	+0.328 362	+0.332 174	+0.335 589	+0.338 615
2.75	+0.323 546	+0.327 644	+0.331 375	+0.334 720	+0.337 687
2.76	+0.322 915	+0.326 923	+0.330 575	+0.333 853	+0.336 762
2.77	+0.322 280	+0.326 200	+0.329 775	+0.332 987	+0.335 839
2.78	+0.321 640	+0.325 474	+0.328 974	+0.332 121	+0.334 918
2.79	+0.320 995	+0.324 746	+0.328 173	+0.331 257	+0.333 999
2.80	+0.320 347	+0.324 015	+0.327 372	+0.330 394	+0.333 083
2.81	+0.319 694	+0.323 284	+0.326 570	+0.329 532	+0.332 170
2.82	+0.319 038	+0.322 550	+0.325 768	+0.328 671	+0.331 259
2.83	+0.318 378	+0.321 815	+0.324 967	+0.327 812	+0.330 351
2.84	+0.317 715	+0.321 078	+0.324 166	+0.326 955	+0.329 445
2.85	+0.317 048	+0.320 341	+0.323 365	+0.326 099	+0.328 542
2.86	+0.316 379	+0.319 601	+0.322 564	+0.325 245	+0.327 641
2.87	+0.315 707	+0.318 862	+0.321 764	+0.324 392	+0.326 744
2.88	+0.315 033	+0.318 121	+0.320 964	+0.323 541	+0.325 849
2.89	+0.314 356	+0.317 378	+0.320 165	+0.322 692	+0.324 957
2.90	+0.313 677	+0.316 637	+0.319 367	+0.321 845	+0.324 067
2.91	+0.312 996	+0.315 894	+0.318 570	+0.321 000	+0.323 181
2.92	+0.312 313	+0.315 151	+0.317 773	+0.320 157	+0.322 297
2.93	+0.311 628	+0.314 408	+0.316 978	+0.319 316	+0.321 417
2.94	+0.310 942	+0.313 664	+0.316 183	+0.318 477	+0.320 539
2.95	+0.310 254	+0.312 920	+0.315 390	+0.317 640	+0.319 664
2.96	+0.309 564	+0.312 177	+0.314 597	+0.316 805	+0.318 792
2.97	+0.308 874	+0.311 433	+0.313 806	+0.315 972	+0.317 924
2.98	+0.308 183	+0.310 690	+0.313 017	+0.315 142	+0.317 058
2.99	+0.307 490	+0.309 947	+0.312 229	+0.314 314	+0.316 195
3.00	+0.306 797	+0.309 204	+0.311 442	+0.313 488	+0.315 335
3.01	+0.306 103	+0.308 462	+0.310 656	+0.312 664	+0.314 478
3.02	+0.305 409	+0.307 721	+0.309 872	+0.311 843	+0.313 625
3.03	+0.304 714	+0.306 980	+0.309 090	+0.311 024	+0.312 774
3.04	+0.304 018	+0.306 239	+0.308 309	+0.310 208	+0.311 926
3.05	+0.303 323	+0.305 500	+0.307 530	+0.309 394	+0.311 082
3.06	+0.302 627	+0.304 761	+0.306 753	+0.308 583	+0.310 241
3.07	+0.301 931	+0.304 023	+0.305 978	+0.307 774	+0.309 403
3.08	+0.301 235	+0.303 286	+0.305 204	+0.306 967	+0.308 567
3.09	+0.300 539	+0.302 550	+0.304 432	+0.306 163	+0.307 736
3.10	+0.299 844	+0.301 815	+0.303 662	+0.305 362	+0.306 907
3.11	+0.299 148	+0.301 082	+0.302 894	+0.304 563	+0.306 081

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	40°	45°	50°	55°	60°
3.11	+0.299 148	+0.301 082	+0.302 894	+0.304 563	+0.306 081
3.12	+0.298 453	+0.300 350	+0.302 128	+0.303 767	+0.305 259
3.13	+0.297 758	+0.299 619	+0.301 364	+0.302 973	+0.304 439
3.14	+0.297 064	+0.298 889	+0.300 602	+0.302 183	+0.303 623
3.15	+0.296 370	+0.298 160	+0.299 842	+0.301 395	+0.302 810
3.16	+0.295 677	+0.297 433	+0.299 084	+0.300 609	+0.302 000
3.17	+0.294 985	+0.296 707	+0.298 328	+0.299 826	+0.301 193
3.18	+0.294 293	+0.295 983	+0.297 574	+0.299 046	+0.300 390
3.19	+0.293 602	+0.295 260	+0.296 822	+0.298 268	+0.299 589
3.20	+0.292 912	+0.294 539	+0.296 073	+0.297 494	+0.298 792
3.21	+0.292 223	+0.293 820	+0.295 325	+0.296 721	+0.297 998
3.22	+0.291 534	+0.293 102	+0.294 580	+0.295 952	+0.297 207
3.23	+0.290 847	+0.292 385	+0.293 838	+0.295 185	+0.296 420
3.24	+0.290 161	+0.291 671	+0.293 097	+0.294 422	+0.295 635
3.25	+0.289 476	+0.290 958	+0.292 359	+0.293 660	+0.294 854
3.26	+0.288 792	+0.290 247	+0.291 623	+0.292 902	+0.294 075
3.27	+0.288 109	+0.289 538	+0.290 889	+0.292 146	+0.293 300
3.28	+0.287 428	+0.288 830	+0.290 158	+0.291 394	+0.292 528
3.29	+0.286 748	+0.288 124	+0.289 429	+0.290 643	+0.291 760
3.30	+0.286 069	+0.287 420	+0.288 702	+0.289 896	+0.290 994
3.31	+0.285 391	+0.286 718	+0.287 978	+0.289 152	+0.290 231
3.32	+0.284 715	+0.286 018	+0.287 256	+0.288 410	+0.289 472
3.33	+0.284 040	+0.285 320	+0.286 536	+0.287 671	+0.288 716
3.34	+0.283 367	+0.284 624	+0.285 819	+0.286 935	+0.287 963
3.35	+0.282 696	+0.283 930	+0.285 104	+0.286 201	+0.287 212
3.36	+0.282 025	+0.283 238	+0.284 392	+0.285 471	+0.286 466
3.37	+0.281 357	+0.282 548	+0.283 682	+0.284 743	+0.285 722
3.38	+0.280 690	+0.281 860	+0.282 974	+0.284 018	+0.284 981
3.39	+0.280 024	+0.281 174	+0.282 269	+0.283 295	+0.284 243
3.40	+0.279 360	+0.280 490	+0.281 567	+0.282 576	+0.283 509
3.41	+0.278 698	+0.279 808	+0.280 867	+0.281 859	+0.282 777
3.42	+0.278 038	+0.279 128	+0.280 169	+0.281 145	+0.282 049
3.43	+0.277 379	+0.278 450	+0.279 474	+0.280 434	+0.281 323
3.44	+0.276 722	+0.277 775	+0.278 781	+0.279 726	+0.280 601
3.45	+0.276 066	+0.277 101	+0.278 091	+0.279 020	+0.279 881
3.46	+0.275 413	+0.276 430	+0.277 403	+0.278 317	+0.279 165
3.47	+0.274 761	+0.275 761	+0.276 718	+0.277 617	+0.278 452
3.48	+0.274 111	+0.275 094	+0.276 035	+0.276 920	+0.277 741
3.49	+0.273 463	+0.274 429	+0.275 354	+0.276 225	+0.277 034
3.50	+0.272 817	+0.273 766	+0.274 676	+0.275 534	+0.276 329
3.51	+0.272 172	+0.273 106	+0.274 001	+0.274 844	+0.275 628
3.52	+0.271 530	+0.272 447	+0.273 328	+0.274 158	+0.274 930
3.53	+0.270 889	+0.271 791	+0.272 658	+0.273 475	+0.274 234
3.54	+0.270 250	+0.271 137	+0.271 990	+0.272 794	+0.273 542
3.55	+0.269 613	+0.270 486	+0.271 324	+0.272 116	+0.272 852
3.56	+0.268 978	+0.269 836	+0.270 661	+0.271 440	+0.272 165
3.57	+0.268 345	+0.269 189	+0.270 001	+0.270 767	+0.271 482
3.58	+0.267 714	+0.268 545	+0.269 342	+0.270 097	+0.270 801
3.59	+0.267 085	+0.267 901	+0.268 687	+0.269 430	+0.270 123
3.60	+0.266 458	+0.267 260	+0.268 034	+0.268 765	+0.269 448
3.61	+0.265 833	+0.266 622	+0.267 383	+0.268 103	+0.268 775
3.62	+0.265 210	+0.265 986	+0.266 735	+0.267 444	+0.268 106
3.63	+0.264 588	+0.265 352	+0.266 089	+0.266 787	+0.267 439
3.64	+0.263 969	+0.264 720	+0.265 446	+0.266 133	+0.266 776
3.65	+0.263 352	+0.264 091	+0.264 805	+0.265 482	+0.266 115
3.66	+0.262 737	+0.263 464	+0.264 167	+0.264 833	+0.265 457

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	40°	45°	50°	55°	60°
3.66	+0.262 737	+0.263 464	+0.264 167	+0.264 833	+0.265 457
3.67	+0.262 123	+0.262 839	+0.263 531	+0.264 187	+0.264 801
3.68	+0.261 512	+0.262 216	+0.262 897	+0.263 543	+0.264 149
3.69	+0.260 903	+0.261 596	+0.262 266	+0.262 903	+0.263 499
3.70	+0.260 296	+0.260 977	+0.261 637	+0.262 264	+0.262 852
3.71	+0.259 690	+0.260 361	+0.261 011	+0.261 629	+0.262 208
3.72	+0.259 087	+0.259 748	+0.260 387	+0.260 996	+0.261 566
3.73	+0.258 486	+0.259 136	+0.259 766	+0.260 365	+0.260 928
3.74	+0.257 887	+0.258 527	+0.259 147	+0.259 738	+0.260 291
3.75	+0.257 290	+0.257 920	+0.258 531	+0.259 112	+0.259 658
3.76	+0.256 695	+0.257 315	+0.257 916	+0.258 489	+0.259 027
3.77	+0.256 102	+0.256 712	+0.257 305	+0.257 869	+0.258 399
3.78	+0.255 511	+0.256 112	+0.256 695	+0.257 251	+0.257 774
3.79	+0.254 922	+0.255 514	+0.256 088	+0.256 636	+0.257 151
3.80	+0.254 336	+0.254 918	+0.255 484	+0.256 023	+0.256 531
3.81	+0.253 751	+0.254 324	+0.254 881	+0.255 413	+0.255 914
3.82	+0.253 168	+0.253 732	+0.254 281	+0.254 806	+0.255 299
3.83	+0.252 587	+0.253 143	+0.253 684	+0.254 200	+0.254 687
3.84	+0.252 009	+0.252 556	+0.253 089	+0.253 598	+0.254 077
3.85	+0.251 432	+0.251 971	+0.252 496	+0.252 998	+0.253 470
3.86	+0.250 857	+0.251 388	+0.251 905	+0.252 400	+0.252 866
3.87	+0.250 285	+0.250 808	+0.251 317	+0.251 804	+0.252 264
3.88	+0.249 714	+0.250 229	+0.250 731	+0.251 212	+0.251 665
3.89	+0.249 146	+0.249 653	+0.250 147	+0.250 621	+0.251 068
3.90	+0.248 579	+0.249 079	+0.249 566	+0.250 033	+0.250 474
3.91	+0.248 015	+0.248 507	+0.248 987	+0.249 447	+0.249 882
3.92	+0.247 452	+0.247 937	+0.248 410	+0.248 864	+0.249 292
3.93	+0.246 892	+0.247 369	+0.247 836	+0.248 283	+0.248 706
3.94	+0.246 334	+0.246 804	+0.247 264	+0.247 704	+0.248 121
3.95	+0.245 777	+0.246 241	+0.246 694	+0.247 128	+0.247 539
3.96	+0.245 223	+0.245 680	+0.246 126	+0.246 554	+0.246 960
3.97	+0.244 671	+0.245 121	+0.245 560	+0.245 983	+0.246 383
3.98	+0.244 120	+0.244 564	+0.244 997	+0.245 414	+0.245 808
3.99	+0.243 572	+0.244 009	+0.244 436	+0.244 847	+0.245 236
4.00	+0.243 026	+0.243 456	+0.243 877	+0.244 282	+0.244 666

z \ ψ	65°	70°	75°	80°	85°
0.01	−1.266 06	−1.019 65	−0.766 31	−0.508 06	−0.246 97
0.02	−1.263 89	−1.012 86	−0.755 86	−0.494 99	−0.232 36
0.03	−1.261 33	−1.005 68	−0.745 06	−0.481 67	−0.217 64
0.04	−1.258 37	−0.998 12	−0.733 94	−0.468 12	−0.202 82
0.05	−1.255 01	−0.990 20	−0.722 54	−0.454 38	−0.187 93
0.06	−1.251 25	−0.981 87	−0.710 80	−0.440 42	−0.172 95
0.07	−1.247 04	−0.973 16	−0.698 75	−0.426 26	−0.157 91
0.08	−1.242 43	−0.964 05	−0.686 41	−0.411 94	−0.142 82
0.09	−1.237 37	−0.954 56	−0.673 77	−0.397 42	−0.127 68
0.10	−1.231 87	−0.944 68	−0.660 83	−0.382 75	−0.112 51
0.11	−1.225 92	−0.934 41	−0.647 62	−0.367 92	−0.097 33
0.12	−1.219 52	−0.923 76	−0.634 13	−0.352 95	−0.082 14
0.13	−1.212 65	−0.912 72	−0.620 37	−0.337 85	−0.066 95
0.14	−1.205 33	−0.901 30	−0.606 35	−0.322 62	−0.051 78
0.15	−1.197 53	−0.889 51	−0.592 08	−0.307 28	−0.036 63
0.16	−1.189 26	−0.877 34	−0.577 57	−0.291 85	−0.021 53

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	65°	70°	75°	80°	85°
0.16	−1.189 26	−0.877 34	−0.577 57	−0.291 85	−0.021 53
0.17	−1.180 52	−0.864 81	−0.562 85	−0.276 33	−0.006 48
0.18	−1.171 31	−0.851 91	−0.547 87	−0.260 73	+0.008 52
0.19	−1.161 62	−0.838 65	−0.532 69	−0.245 08	+0.023 44
0.20	−1.151 46	−0.825 05	−0.517 31	−0.229 37	+0.038 29
0.21	−1.140 82	−0.811 109	−0.501 741	−0.213 624	+0.053 037
0.22	−1.129 70	−0.796 834	−0.486 014	−0.197 853	+0.067 677
0.23	−1.118 11	−0.782 233	−0.470 111	−0.182 070	+0.082 216
0.24	−1.106 06	−0.767 316	−0.454 059	−0.166 285	+0.096 627
0.25	−1.093 54	−0.752 096	−0.437 868	−0.150 509	+0.110 907
0.26	−1.080 56	−0.736 583	−0.421 551	−0.134 761	+0.125 045
0.27	−1.067 12	−0.720 786	−0.405 121	−0.119 044	+0.139 030
0.28	−1.053 23	−0.704 720	−0.388 593	−0.103 375	+0.152 863
0.29	−1.038 90	−0.688 396	−0.371 978	−0.087 764	+0.166 530
0.30	−1.024 14	−0.671 827	−0.355 291	−0.072 224	+0.180 022
0.31	−1.008 96	−0.655 026	−0.338 546	−0.056 764	+0.193 332
0.32	−0.993 358	−0.638 005	−0.321 755	−0.041 395	+0.206 456
0.33	−0.977 356	−0.620 782	−0.304 933	−0.026 131	+0.219 385
0.34	−0.960 963	−0.603 369	−0.288 095	−0.010 978	+0.232 114
0.35	−0.944 189	−0.585 781	−0.271 250	+0.004 051	+0.244 635
0.36	−0.927 050	−0.568 035	−0.254 417	+0.018 947	+0.256 946
0.37	−0.909 558	−0.550 142	−0.237 605	+0.033 701	+0.269 041
0.38	−0.891 727	−0.532 123	−0.220 830	+0.048 303	+0.280 915
0.39	−0.873 574	−0.513 990	−0.204 103	+0.062 747	+0.292 563
0.40	−0.855 114	−0.495 761	−0.187 437	+0.077 022	+0.303 982
0.41	−0.836 363	−0.477 450	−0.170 846	+0.091 121	+0.315 170
0.42	−0.817 339	−0.459 074	−0.154 341	+0.105 036	+0.326 123
0.43	−0.798 061	−0.440 649	−0.137 934	+0.118 761	+0.336 838
0.44	−0.778 544	−0.422 190	−0.121 636	+0.132 289	+0.347 313
0.45	−0.758 804	−0.403 714	−0.105 459	+0.145 611	+0.357 546
0.46	−0.738 867	−0.385 238	−0.089 414	+0.158 726	+0.367 537
0.47	−0.718 747	−0.366 774	−0.073 511	+0.171 626	+0.377 283
0.48	−0.698 465	−0.348 338	−0.057 759	+0.184 306	+0.386 783
0.49	−0.678 038	−0.329 947	−0.042 170	+0.196 761	+0.396 039
0.50	−0.657 486	−0.311 614	−0.026 752	+0.208 987	+0.405 048
0.51	−0.636 832	−0.293 355	−0.011 513	+0.220 982	+0.413 812
0.52	−0.616 092	−0.275 183	+0.003 537	+0.232 742	+0.422 331
0.53	−0.595 286	−0.257 112	+0.018 392	+0.244 262	+0.430 606
0.54	−0.574 436	−0.239 155	+0.033 043	+0.255 542	+0.438 637
0.55	−0.553 557	−0.221 325	+0.047 484	+0.266 579	+0.446 426
0.56	−0.532 670	−0.203 634	+0.061 707	+0.277 372	+0.453 974
0.57	−0.511 796	−0.186 096	+0.075 711	+0.287 915	+0.461 285
0.58	−0.490 951	−0.168 720	+0.089 485	+0.298 214	+0.468 357
0.59	−0.470 153	−0.151 519	+0.103 025	+0.308 264	+0.475 196
0.60	−0.449 421	−0.134 500	+0.116 328	+0.318 065	+0.481 802
0.61	−0.428 771	−0.117 678	+0.129 389	+0.327 618	+0.488 178
0.62	−0.408 222	−0.101 058	+0.142 204	+0.336 923	+0.494 327
0.63	−0.387 787	−0.084 652	+0.154 770	+0.345 980	+0.500 252
0.64	−0.367 486	−0.068 466	+0.167 084	+0.354 790	+0.505 956
0.65	−0.347 330	−0.052 509	+0.179 144	+0.363 354	+0.511 442
0.66	−0.327 335	−0.036 788	+0.190 948	+0.371 674	+0.516 713
0.67	−0.307 517	−0.021 310	+0.202 495	+0.379 752	+0.521 772
0.68	−0.287 888	−0.006 081	+0.213 782	+0.387 588	+0.526 623
0.69	−0.268 460	+0.008 894	+0.224 809	+0.395 185	+0.531 269
0.70	−0.249 246	+0.023 610	+0.235 577	+0.402 545	+0.535 716
0.71	−0.230 259	+0.038 061	+0.246 084	+0.409 672	+0.539 965

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	65°	70°	75°	80°	85°
0.71	−0.230 259	+0.038 061	+0.246 084	+0.409 672	+0.539 965
0.72	−0.211 506	+0.052 248	+0.256 330	+0.416 566	+0.544 019
0.73	−0.193 001	+0.066 158	+0.266 317	+0.423 231	+0.547 885
0.74	−0.174 752	+0.079 795	+0.276 042	+0.429 671	+0.551 565
0.75	−0.156 766	+0.093 154	+0.285 515	+0.435 887	+0.555 063
0.76	−0.139 052	+0.106 239	+0.294 729	+0.441 884	+0.558 383
0.77	−0.121 618	+0.119 038	+0.303 699	+0.447 664	+0.561 529
0.78	−0.104 471	+0.131 558	+0.312 393	+0.453 231	+0.564 504
0.79	−0.087 616	+0.143 793	+0.320 837	+0.458 588	+0.567 314
0.80	−0.071 060	+0.155 746	+0.329 056	+0.463 740	+0.569 961
0.81	−0.054 805	+0.167 416	+0.337 018	+0.468 688	+0.572 449
0.82	−0.038 858	+0.178 803	+0.344 735	+0.473 439	+0.574 784
0.83	−0.023 222	+0.189 907	+0.352 213	+0.477 994	+0.576 967
0.84	−0.007 898	+0.200 731	+0.359 453	+0.482 358	+0.579 004
0.85	+0.007 109	+0.211 275	+0.366 459	+0.486 534	+0.580 898
0.86	+0.021 799	+0.221 542	+0.373 235	+0.490 527	+0.582 652
0.87	+0.036 169	+0.231 532	+0.379 783	+0.494 341	+0.584 271
0.88	+0.050 220	+0.241 249	+0.386 107	+0.497 979	+0.585 758
0.89	+0.063 950	+0.250 693	+0.392 211	+0.501 445	+0.587 118
0.90	+0.077 360	+0.259 870	+0.398 098	+0.504 743	+0.588 353
0.91	+0.090 450	+0.268 780	+0.403 772	+0.507 877	+0.589 467
0.92	+0.103 221	+0.277 428	+0.409 238	+0.510 852	+0.590 464
0.93	+0.115 675	+0.285 817	+0.414 500	+0.513 670	+0.591 347
0.94	+0.127 812	+0.293 949	+0.419 558	+0.516 335	+0.592 120
0.95	+0.139 636	+0.301 829	+0.424 423	+0.518 852	+0.592 785
0.96	+0.151 148	+0.309 460	+0.429 093	+0.521 224	+0.593 347
0.97	+0.162 352	+0.316 846	+0.433 574	+0.523 455	+0.593 809
0.98	+0.173 249	+0.323 992	+0.437 871	+0.525 549	+0.594 173
0.99	+0.183 843	+0.330 900	+0.441 988	+0.527 509	+0.594 443
1.00	+0.194 138	+0.337 576	+0.445 925	+0.529 340	+0.594 622
1.01	+0.204 138	+0.344 023	+0.449 691	+0.531 044	+0.594 713
1.02	+0.213 845	+0.350 245	+0.453 289	+0.532 625	+0.594 719
1.03	+0.223 264	+0.356 249	+0.456 723	+0.534 086	+0.594 642
1.04	+0.232 400	+0.362 035	+0.459 994	+0.535 432	+0.594 486
1.05	+0.241 256	+0.367 610	+0.463 111	+0.536 665	+0.594 253
1.06	+0.249 838	+0.372 979	+0.466 072	+0.537 789	+0.593 947
1.07	+0.258 150	+0.378 145	+0.468 886	+0.538 807	+0.593 568
1.08	+0.266 194	+0.383 113	+0.471 555	+0.539 722	+0.593 121
1.09	+0.273 980	+0.387 887	+0.474 083	+0.540 538	+0.592 608
1.10	+0.281 509	+0.392 473	+0.476 473	+0.541 256	+0.592 025
1.11	+0.288 788	+0.396 873	+0.478 730	+0.541 882	+0.591 391
1.12	+0.295 819	+0.401 092	+0.480 857	+0.542 417	+0.590 693
1.13	+0.302 609	+0.405 136	+0.482 857	+0.542 864	+0.589 937
1.14	+0.309 164	+0.409 007	+0.484 733	+0.543 226	+0.589 127
1.15	+0.315 487	+0.412 711	+0.486 492	+0.543 506	+0.588 264
1.16	+0.321 584	+0.416 252	+0.488 133	+0.543 707	+0.587 351
1.17	+0.327 461	+0.419 633	+0.489 663	+0.543 831	+0.586 389
1.18	+0.333 121	+0.422 859	+0.491 083	+0.543 881	+0.585 379
1.19	+0.338 571	+0.425 934	+0.492 398	+0.543 859	+0.584 326
1.20	+0.343 815	+0.428 862	+0.493 607	+0.543 768	+0.583 229
1.21	+0.348 857	+0.431 647	+0.494 718	+0.543 611	+0.582 092
1.22	+0.353 704	+0.434 293	+0.495 733	+0.543 388	+0.580 915
1.23	+0.358 359	+0.436 804	+0.496 653	+0.543 104	+0.579 700
1.24	+0.362 828	+0.439 183	+0.497 483	+0.542 760	+0.578 450
1.25	+0.367 115	+0.441 435	+0.498 225	+0.542 358	+0.577 165
1.26	+0.371 225	+0.443 561	+0.498 880	+0.541 901	+0.575 847

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	65°	70°	75°	80°	85°
1.26	+0.371 225	+0.443 561	+0.498 880	+0.541 901	+0.575 847
1.27	+0.375 163	+0.445 569	+0.499 456	+0.541 389	+0.574 498
1.28	+0.378 934	+0.447 459	+0.499 951	+0.540 827	+0.573 118
1.29	+0.382 541	+0.449 235	+0.500 369	+0.540 214	+0.571 710
1.30	+0.385 989	+0.450 901	+0.500 715	+0.539 554	+0.570 275
1.31	+0.389 283	+0.452 460	+0.500 983	+0.538 848	+0.568 815
1.32	+0.392 427	+0.453 915	+0.501 184	+0.538 098	+0.567 329
1.33	+0.395 426	+0.455 270	+0.501 318	+0.537 305	+0.565 821
1.34	+0.398 281	+0.456 527	+0.501 382	+0.536 472	+0.564 290
1.35	+0.401 000	+0.457 691	+0.501 393	+0.535 599	+0.562 742
1.36	+0.403 586	+0.458 762	+0.501 341	+0.534 689	+0.561 167
1.37	+0.406 040	+0.459 745	+0.501 227	+0.533 743	+0.559 576
1.38	+0.408 369	+0.460 642	+0.501 056	+0.532 763	+0.557 968
1.39	+0.410 576	+0.461 457	+0.500 832	+0.531 749	+0.556 343
1.40	+0.412 664	+0.462 190	+0.500 555	+0.530 704	+0.554 703
1.41	+0.414 638	+0.462 847	+0.500 228	+0.529 629	+0.553 048
1.42	+0.416 500	+0.463 428	+0.499 848	+0.528 524	+0.551 379
1.43	+0.418 253	+0.463 936	+0.499 430	+0.527 392	+0.549 696
1.44	+0.419 903	+0.464 374	+0.498 962	+0.526 234	+0.548 002
1.45	+0.421 449	+0.464 744	+0.498 451	+0.525 050	+0.546 297
1.46	+0.422 899	+0.465 049	+0.497 898	+0.523 843	+0.544 581
1.47	+0.424 253	+0.465 290	+0.497 305	+0.522 612	+0.542 855
1.48	+0.425 514	+0.465 470	+0.496 672	+0.521 359	+0.541 121
1.49	+0.426 686	+0.465 590	+0.496 004	+0.520 086	+0.539 378
1.50	+0.427 772	+0.465 653	+0.495 299	+0.518 793	+0.537 628
1.51	+0.428 775	+0.465 662	+0.494 560	+0.517 482	+0.535 870
1.52	+0.429 696	+0.465 617	+0.493 787	+0.516 152	+0.534 106
1.53	+0.430 539	+0.465 521	+0.492 984	+0.514 805	+0.532 337
1.54	+0.431 307	+0.465 376	+0.492 149	+0.513 443	+0.530 563
1.55	+0.432 001	+0.465 186	+0.491 286	+0.512 065	+0.528 784
1.56	+0.432 624	+0.464 943	+0.490 395	+0.510 673	+0.527 001
1.57	+0.433 179	+0.464 660	+0.489 478	+0.509 268	+0.525 214
1.58	+0.433 668	+0.464 333	+0.488 534	+0.507 850	+0.523 425
1.59	+0.434 093	+0.463 966	+0.487 567	+0.506 420	+0.521 634
1.60	+0.434 457	+0.463 559	+0.486 576	+0.504 978	+0.519 840
1.61	+0.434 761	+0.463 114	+0.485 563	+0.503 527	+0.518 045
1.62	+0.435 007	+0.462 633	+0.484 528	+0.502 065	+0.516 249
1.63	+0.435 198	+0.462 116	+0.483 473	+0.500 594	+0.514 452
1.64	+0.435 336	+0.461 565	+0.482 399	+0.499 115	+0.512 655
1.65	+0.435 420	+0.460 982	+0.481 306	+0.497 628	+0.510 858
1.66	+0.435 456	+0.460 368	+0.480 195	+0.496 133	+0.509 061
1.67	+0.435 444	+0.459 723	+0.479 068	+0.494 632	+0.507 267
1.68	+0.435 385	+0.459 050	+0.477 925	+0.493 124	+0.505 472
1.69	+0.435 281	+0.458 348	+0.476 767	+0.491 611	+0.503 680
1.70	+0.435 134	+0.457 620	+0.475 594	+0.490 092	+0.501 889
1.71	+0.434 946	+0.456 867	+0.474 408	+0.488 569	+0.500 100
1.72	+0.434 717	+0.456 093	+0.473 208	+0.487 042	+0.498 314
1.73	+0.434 450	+0.455 289	+0.471 997	+0.485 510	+0.496 531
1.74	+0.434 146	+0.454 465	+0.470 774	+0.483 976	+0.494 751
1.75	+0.433 806	+0.453 620	+0.469 540	+0.482 439	+0.492 973
1.76	+0.433 431	+0.452 754	+0.468 296	+0.480 899	+0.491 200
1.77	+0.433 024	+0.451 869	+0.467 042	+0.479 357	+0.489 430
1.78	+0.432 584	+0.450 965	+0.465 779	+0.477 813	+0.487 664
1.79	+0.432 114	+0.450 043	+0.464 508	+0.476 268	+0.485 902
1.80	+0.431 614	+0.449 104	+0.463 228	+0.474 722	+0.484 145
1.81	+0.431 086	+0.448 148	+0.461 942	+0.473 176	+0.482 392

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	65°	70°	75°	80°	85°
1.81	+0.431 086	+0.448 148	+0.461 942	+0.473 176	+0.482 392
1.82	+0.430 531	+0.447 177	+0.460 648	+0.471 629	+0.480 644
1.83	+0.429 951	+0.446 191	+0.459 348	+0.470 082	+0.478 901
1.84	+0.429 343	+0.445 191	+0.458 041	+0.468 535	+0.477 163
1.85	+0.428 713	+0.444 177	+0.456 730	+0.466 989	+0.475 430
1.86	+0.428 059	+0.443 151	+0.455 414	+0.465 444	+0.473 703
1.87	+0.427 385	+0.442 112	+0.454 092	+0.463 900	+0.471 980
1.88	+0.426 686	+0.441 062	+0.452 768	+0.462 357	+0.470 265
1.89	+0.425 968	+0.440 001	+0.451 438	+0.460 816	+0.468 555
1.90	+0.425 229	+0.438 930	+0.450 105	+0.459 277	+0.466 850
1.91	+0.424 475	+0.437 849	+0.448 769	+0.457 739	+0.465 152
1.92	+0.423 701	+0.436 759	+0.447 431	+0.456 205	+0.463 460
1.93	+0.422 911	+0.435 659	+0.446 090	+0.454 672	+0.461 775
1.94	+0.422 103	+0.434 552	+0.444 747	+0.453 142	+0.460 095
1.95	+0.421 280	+0.433 437	+0.443 402	+0.451 616	+0.458 422
1.96	+0.420 442	+0.432 315	+0.442 056	+0.450 092	+0.456 756
1.97	+0.419 590	+0.431 186	+0.440 709	+0.448 571	+0.455 096
1.98	+0.418 724	+0.430 050	+0.439 361	+0.447 054	+0.453 443
1.99	+0.417 845	+0.428 909	+0.438 013	+0.445 541	+0.451 797
2.00	+0.416 953	+0.427 762	+0.436 664	+0.444 031	+0.450 158
2.01	+0.416 049	+0.426 610	+0.435 315	+0.442 525	+0.448 525
2.02	+0.415 134	+0.425 453	+0.433 966	+0.441 023	+0.446 899
2.03	+0.414 209	+0.424 292	+0.432 617	+0.439 525	+0.445 281
2.04	+0.413 274	+0.423 127	+0.431 270	+0.438 032	+0.443 670
2.05	+0.412 329	+0.421 958	+0.429 924	+0.436 543	+0.442 066
2.06	+0.411 376	+0.420 786	+0.428 578	+0.435 058	+0.440 469
2.07	+0.410 414	+0.419 611	+0.427 234	+0.433 578	+0.438 879
2.08	+0.409 442	+0.418 433	+0.425 891	+0.432 103	+0.437 297
2.09	+0.408 464	+0.417 253	+0.424 550	+0.430 632	+0.435 722
2.10	+0.407 479	+0.416 071	+0.423 211	+0.429 167	+0.434 154
2.11	+0.406 486	+0.414 886	+0.421 873	+0.427 706	+0.432 593
2.12	+0.405 488	+0.413 701	+0.420 538	+0.426 251	+0.431 040
2.13	+0.404 482	+0.412 513	+0.419 207	+0.424 800	+0.429 495
2.14	+0.403 471	+0.411 325	+0.417 875	+0.423 355	+0.427 956
2.15	+0.402 456	+0.410 136	+0.416 547	+0.421 916	+0.426 426
2.16	+0.401 435	+0.408 947	+0.415 222	+0.420 481	+0.424 902
2.17	+0.400 410	+0.407 757	+0.413 900	+0.419 052	+0.423 386
2.18	+0.399 380	+0.406 567	+0.412 581	+0.417 629	+0.421 878
2.19	+0.398 345	+0.405 376	+0.411 265	+0.416 211	+0.420 377
2.20	+0.397 308	+0.404 188	+0.409 953	+0.414 799	+0.418 883
2.21	+0.396 267	+0.402 997	+0.408 643	+0.413 392	+0.417 398
2.22	+0.395 223	+0.401 808	+0.407 337	+0.411 991	+0.415 919
2.23	+0.394 177	+0.400 620	+0.406 035	+0.410 596	+0.414 448
2.24	+0.393 128	+0.399 433	+0.404 736	+0.409 207	+0.412 984
2.25	+0.392 076	+0.398 247	+0.403 441	+0.407 823	+0.411 528
2.26	+0.391 022	+0.397 062	+0.402 149	+0.406 446	+0.410 080
2.27	+0.389 967	+0.395 879	+0.400 863	+0.405 074	+0.408 639
2.28	+0.388 910	+0.394 697	+0.399 580	+0.403 708	+0.407 205
2.29	+0.387 852	+0.393 517	+0.398 301	+0.402 348	+0.405 779
2.30	+0.386 793	+0.392 339	+0.397 026	+0.400 994	+0.404 360
2.31	+0.385 731	+0.391 163	+0.395 756	+0.399 646	+0.402 948
2.32	+0.384 672	+0.389 988	+0.394 489	+0.398 304	+0.401 544
2.33	+0.383 611	+0.388 817	+0.393 227	+0.396 968	+0.400 148
2.34	+0.382 549	+0.387 647	+0.391 969	+0.395 638	+0.398 758
2.35	+0.381 487	+0.386 480	+0.390 716	+0.394 315	+0.397 376
2.36	+0.380 425	+0.385 315	+0.389 467	+0.392 997	+0.396 002

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	65°	70°	75°	80°	85°
2.36	+0.380 425	+0.385 315	+0.389 467	+0.392 997	+0.396 002
2.37	+0.379 364	+0.384 153	+0.388 223	+0.391 685	+0.394 634
2.38	+0.378 302	+0.382 994	+0.386 984	+0.390 380	+0.393 274
2.39	+0.377 243	+0.381 840	+0.385 750	+0.389 080	+0.391 921
2.40	+0.376 181	+0.380 683	+0.384 518	+0.387 787	+0.390 576
2.41	+0.375 122	+0.379 533	+0.383 293	+0.386 500	+0.389 238
2.42	+0.374 063	+0.378 385	+0.382 072	+0.385 219	+0.387 906
2.43	+0.373 006	+0.377 241	+0.380 856	+0.383 944	+0.386 583
2.44	+0.371 950	+0.376 100	+0.379 645	+0.382 675	+0.385 266
2.45	+0.370 895	+0.374 962	+0.378 439	+0.381 412	+0.383 956
2.46	+0.369 841	+0.373 827	+0.377 237	+0.380 155	+0.382 653
2.47	+0.368 789	+0.372 696	+0.376 041	+0.378 904	+0.381 358
2.48	+0.367 738	+0.371 568	+0.374 849	+0.377 660	+0.380 069
2.49	+0.366 690	+0.370 444	+0.373 662	+0.376 421	+0.378 788
2.50	+0.365 643	+0.369 323	+0.372 480	+0.375 189	+0.377 513
2.51	+0.364 599	+0.368 206	+0.371 304	+0.373 962	+0.376 245
2.52	+0.363 556	+0.367 093	+0.370 132	+0.372 742	+0.374 984
2.53	+0.362 516	+0.365 984	+0.368 966	+0.371 528	+0.373 730
2.54	+0.361 477	+0.364 878	+0.367 804	+0.370 319	+0.372 483
2.55	+0.360 441	+0.363 776	+0.366 647	+0.369 117	+0.371 243
2.56	+0.359 407	+0.362 678	+0.365 495	+0.367 921	+0.370 009
2.57	+0.358 376	+0.361 583	+0.264 348	+0.366 730	+0.368 783
2.58	+0.357 347	+0.360 493	+0.363 207	+0.365 546	+0.367 563
2.59	+0.356 321	+0.359 407	+0.362 071	+0.364 368	+0.366 349
2.60	+0.355 297	+0.358 324	+0.360 939	+0.363 195	+0.365 142
2.61	+0.354 277	+0.357 246	+0.359 813	+0.362 029	+0.363 942
2.62	+0.353 258	+0.356 171	+0.358 691	+0.360 868	+0.362 749
2.63	+0.352 243	+0.355 101	+0.357 575	+0.359 713	+0.361 561
2.64	+0.351 231	+0.354 035	+0.356 464	+0.358 564	+0.360 381
2.65	+0.350 221	+0.352 973	+0.355 358	+0.357 421	+0.359 207
2.66	+0.349 215	+0.351 915	+0.354 256	+0.356 284	+0.358 039
2.67	+0.348 212	+0.350 861	+0.353 160	+0.355 152	+0.356 878
2.68	+0.347 211	+0.349 811	+0.352 069	+0.354 027	+0.355 723
2.69	+0.346 214	+0.348 766	+0.350 983	+0.352 907	+0.354 574
2.70	+0.345 219	+0.347 724	+0.349 902	+0.351 792	+0.353 432
2.71	+0.344 228	+0.346 687	+0.348 826	+0.350 684	+0.352 296
2.72	+0.343 241	+0.345 654	+0.347 755	+0.349 581	+0.351 166
2.73	+0.342 256	+0.344 625	+0.346 689	+0.348 484	+0.350 042
2.74	+0.341 275	+0.343 601	+0.345 628	+0.347 392	+0.348 925
2.75	+0.340 297	+0.342 581	+0.344 573	+0.346 306	+0.347 813
2.76	+0.339 319	+0.341 565	+0.343 522	+0.345 225	+0.346 708
2.77	+0.338 346	+0.340 553	+0.342 476	+0.344 151	+0.345 608
2.78	+0.337 384	+0.339 546	+0.341 435	+0.343 081	+0.344 516
2.79	+0.336 419	+0.338 542	+0.340 398	+0.342 017	+0.343 428
2.80	+0.335 458	+0.337 544	+0.339 367	+0.340 959	+0.342 346
2.81	+0.334 501	+0.336 549	+0.338 341	+0.339 906	+0.341 271
2.82	+0.333 547	+0.335 558	+0.337 320	+0.338 859	+0.340 201
2.83	+0.332 596	+0.334 572	+0.336 303	+0.337 817	+0.339 137
2.84	+0.331 650	+0.333 590	+0.335 292	+0.336 780	+0.338 079
2.85	+0.330 707	+0.332 613	+0.334 285	+0.335 748	+0.337 027
2.86	+0.329 766	+0.331 639	+0.333 283	+0.334 722	+0.335 980
2.87	+0.328 830	+0.330 670	+0.332 286	+0.333 702	+0.334 939
2.88	+0.327 897	+0.329 705	+0.331 294	+0.332 686	+0.333 904
2.89	+0.326 969	+0.328 745	+0.330 307	+0.331 676	+0.332 874
2.90	+0.326 044	+0.327 789	+0.329 324	+0.330 671	+0.331 850
2.91	+0.325 122	+0.326 837	+0.328 346	+0.329 671	+0.330 832

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	65°	70°	75°	80°	85°
2.91	+0.325 122	+0.326 837	+0.328 346	+0.329 671	+0.330 832
2.92	+0.324 203	+0.325 889	+0.327 373	+0.328 676	+0.329 818
2.93	+0.323 288	+0.324 945	+0.326 405	+0.327 687	+0.328 811
2.94	+0.322 377	+0.324 005	+0.325 440	+0.326 702	+0.327 809
2.95	+0.321 470	+0.323 070	+0.324 482	+0.325 723	+0.326 812
2.96	+0.320 566	+0.322 139	+0.323 527	+0.324 748	+0.325 821
2.97	+0.319 666	+0.321 212	+0.322 577	+0.323 779	+0.324 835
2.98	+0.318 769	+0.320 289	+0.321 632	+0.322 815	+0.323 854
2.99	+0.317 877	+0.319 371	+0.320 692	+0.321 855	+0.322 878
3.00	+0.316 988	+0.318 457	+0.319 756	+0.320 901	+0.321 908
3.01	+0.316 103	+0.317 547	+0.318 825	+0.319 951	+0.320 943
3.02	+0.315 221	+0.316 641	+0.317 898	+0.319 007	+0.319 984
3.03	+0.314 342	+0.315 738	+0.316 975	+0.318 067	+0.319 029
3.04	+0.313 468	+0.314 841	+0.316 058	+0.317 132	+0.318 079
3.05	+0.312 597	+0.313 947	+0.315 144	+0.316 202	+0.317 134
3.06	+0.311 730	+0.313 057	+0.314 235	+0.315 276	+0.316 194
3.07	+0.310 866	+0.312 172	+0.313 331	+0.314 356	+0.315 260
3.08	+0.310 006	+0.311 290	+0.312 431	+0.313 440	+0.314 330
3.09	+0.309 150	+0.310 413	+0.311 535	+0.312 528	+0.313 405
3.10	+0.308 297	+0.309 539	+0.310 644	+0.311 622	+0.312 486
3.11	+0.307 448	+0.308 670	+0.309 757	+0.310 720	+0.311 570
3.12	+0.306 603	+0.307 805	+0.308 875	+0.309 822	+0.310 660
3.13	+0.305 761	+0.306 944	+0.307 997	+0.308 930	+0.309 755
3.14	+0.304 923	+0.306 086	+0.307 122	+0.308 041	+0.308 854
3.15	+0.304 088	+0.305 232	+0.306 252	+0.307 157	+0.307 959
3.16	+0.303 257	+0.304 383	+0.305 387	+0.306 278	+0.307 067
3.17	+0.302 429	+0.303 537	+0.304 526	+0.305 403	+0.306 181
3.18	+0.301 605	+0.302 695	+0.303 668	+0.304 533	+0.305 299
3.19	+0.300 785	+0.301 858	+0.302 816	+0.303 667	+0.304 422
3.20	+0.299 968	+0.301 024	+0.301 967	+0.302 806	+0.303 549
3.21	+0.299 155	+0.300 194	+0.301 122	+0.301 948	+0.302 681
3.22	+0.298 345	+0.299 367	+0.300 282	+0.301 096	+0.301 818
3.23	+0.297 539	+0.298 545	+0.299 445	+0.300 247	+0.300 959
3.24	+0.296 736	+0.297 727	+0.298 613	+0.299 403	+0.300 104
3.25	+0.295 937	+0.296 912	+0.297 785	+0.298 563	+0.299 254
3.26	+0.295 141	+0.296 101	+0.296 961	+0.297 727	+0.298 408
3.27	+0.294 349	+0.295 294	+0.296 140	+0.296 895	+0.297 567
3.28	+0.293 560	+0.294 490	+0.295 324	+0.296 068	+0.296 730
3.29	+0.292 774	+0.293 690	+0.294 512	+0.295 245	+0.295 897
3.30	+0.291 993	+0.292 894	+0.293 703	+0.294 425	+0.295 068
3.31	+0.291 214	+0.292 102	+0.292 899	+0.293 610	+0.294 244
3.32	+0.290 439	+0.291 313	+0.292 098	+0.292 799	+0.293 424
3.33	+0.289 668	+0.290 528	+0.291 301	+0.291 993	+0.292 608
3.34	+0.288 900	+0.289 747	+0.290 509	+0.291 190	+0.291 797
3.35	+0.288 135	+0.288 969	+0.289 719	+0.290 391	+0.290 989
3.36	+0.287 373	+0.288 195	+0.288 934	+0.289 596	+0.290 186
3.37	+0.286 615	+0.287 424	+0.288 152	+0.288 805	+0.289 387
3.38	+0.285 859	+0.286 657	+0.287 375	+0.288 018	+0.288 592
3.39	+0.285 109	+0.285 894	+0.286 601	+0.287 235	+0.287 801
3.40	+0.284 361	+0.285 134	+0.285 831	+0.286 455	+0.287 013
3.41	+0.283 617	+0.284 378	+0.285 064	+0.285 680	+0.286 230
3.42	+0.282 875	+0.283 625	+0.284 302	+0.284 908	+0.285 451
3.43	+0.282 137	+0.282 876	+0.283 543	+0.284 141	+0.284 676
3.44	+0.281 402	+0.282 130	+0.282 787	+0.283 377	+0.283 904
3.45	+0.280 670	+0.281 387	+0.282 035	+0.282 616	+0.283 137
3.46	+0.279 942	+0.280 648	+0.281 286	+0.281 860	+0.282 373

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	65°	70°	75°	80°	85°
3.46	+0.279 942	+0.280 648	+0.281 286	+0.281 860	+0.282 373
3.47	+0.279 217	+0.279 913	+0.280 542	+0.281 107	+0.281 613
3.48	+0.278 495	+0.279 181	+0.279 801	+0.280 358	+0.280 857
3.49	+0.277 776	+0.278 452	+0.279 063	+0.279 612	+0.280 105
3.50	+0.277 060	+0.277 726	+0.278 328	+0.278 871	+0.279 356
3.51	+0.276 348	+0.277 004	+0.277 598	+0.278 132	+0.278 612
3.52	+0.275 639	+0.276 285	+0.276 870	+0.277 398	+0.277 870
3.53	+0.274 933	+0.275 570	+0.276 147	+0.276 667	+0.277 133
3.54	+0.274 230	+0.274 858	+0.275 427	+0.275 939	+0.276 399
3.55	+0.273 530	+0.274 149	+0.274 710	+0.275 215	+0.275 669
3.56	+0.272 833	+0.273 443	+0.273 996	+0.274 495	+0.274 942
3.57	+0.272 140	+0.272 741	+0.273 286	+0.273 778	+0.274 220
3.58	+0.271 449	+0.272 041	+0.272 579	+0.273 064	+0.273 500
3.59	+0.270 761	+0.271 345	+0.271 875	+0.272 354	+0.272 784
3.60	+0.270 077	+0.270 653	+0.271 176	+0.271 647	+0.272 072
3.61	+0.269 396	+0.269 963	+0.270 479	+0.270 944	+0.271 363
3.62	+0.268 718	+0.269 278	+0.269 786	+0.270 244	+0.270 657
3.63	+0.268 042	+0.268 593	+0.269 094	+0.269 548	+0.269 955
3.64	+0.267 369	+0.267 913	+0.268 407	+0.268 854	+0.269 257
3.65	+0.266 700	+0.267 236	+0.267 724	+0.268 164	+0.268 561
3.66	+0.266 034	+0.266 562	+0.267 043	+0.267 478	+0.267 870
3.67	+0.265 370	+0.265 891	+0.266 365	+0.266 794	+0.267 181
3.68	+0.264 709	+0.265 223	+0.265 691	+0.266 114	+0.266 496
3.69	+0.264 051	+0.264 558	+0.265 019	+0.265 437	+0.265 814
3.70	+0.263 397	+0.263 896	+0.264 351	+0.264 763	+0.265 136
3.71	+0.262 744	+0.263 237	+0.263 686	+0.264 093	+0.264 460
3.72	+0.262 095	+0.262 581	+0.263 024	+0.263 426	+0.263 788
3.73	+0.261 449	+0.261 928	+0.262 365	+0.262 761	+0.263 119
3.74	+0.260 806	+0.261 278	+0.261 709	+0.262 100	+0.262 454
3.75	+0.260 165	+0.260 631	+0.261 056	+0.261 442	+0.261 791
3.76	+0.259 527	+0.259 987	+0.260 407	+0.260 787	+0.261 132
3.77	+0.258 892	+0.259 345	+0.259 759	+0.260 136	+0.260 476
3.78	+0.258 260	+0.258 707	+0.259 116	+0.259 487	+0.259 823
3.79	+0.257 630	+0.258 071	+0.258 474	+0.258 841	+0.259 172
3.80	+0.257 004	+0.257 439	+0.257 837	+0.258 198	+0.258 525
3.81	+0.256 379	+0.256 809	+0.257 202	+0.257 558	+0.257 882
3.82	+0.255 759	+0.256 182	+0.256 569	+0.256 922	+0.257 241
3.83	+0.255 140	+0.255 558	+0.255 940	+0.256 288	+0.256 603
3.84	+0.254 524	+0.254 936	+0.255 314	+0.255 657	+0.255 968
3.85	+0.253 911	+0.254 317	+0.254 690	+0.255 029	+0.255 336
3.86	+0.253 301	+0.253 702	+0.254 069	+0.254 404	+0.254 707
3.87	+0.252 692	+0.253 088	+0.253 451	+0.253 782	+0.254 081
3.88	+0.252 087	+0.252 478	+0.252 836	+0.253 162	+0.253 458
3.89	+0.251 485	+0.251 870	+0.252 224	+0.252 546	+0.252 838
3.90	+0.250 885	+0.251 265	+0.251 614	+0.251 932	+0.252 221
3.91	+0.250 288	+0.250 663	+0.251 007	+0.251 321	+0.251 606
3.92	+0.249 693	+0.250 063	+0.250 403	+0.250 713	+0.250 994
3.93	+0.249 100	+0.249 466	+0.249 802	+0.250 108	+0.250 386
3.94	+0.248 511	+0.248 871	+0.249 202	+0.249 505	+0.249 780
3.95	+0.247 924	+0.248 280	+0.248 607	+0.248 905	+0.249 177
3.96	+0.247 339	+0.247 690	+0.248 013	+0.248 308	+0.248 576
3.97	+0.246 757	+0.247 104	+0.247 423	+0.247 714	+0.247 979
3.98	+0.246 178	+0.246 520	+0.246 835	+0.247 122	+0.247 384
3.99	+0.245 601	+0.245 938	+0.246 249	+0.246 533	+0.246 792
4.00	+0.245 025	+0.245 359	+0.245 666	+0.245 947	+0.246 202

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	90°	95°	100°	105°	110°
0.01	+0.015 02	+0.275 85	+0.533 58	+0.786 27	+1.032 09
0.02	+0.029 99	+0.290 05	+0.545 92	+0.795 75	+1.037 78
0.03	+0.044 95	+0.304 14	+0.558 05	+0.804 91	+1.043 09
0.04	+0.059 88	+0.318 05	+0.569 89	+0.813 71	+1.048 00
0.05	+0.074 77	+0.331 81	+0.581 48	+0.822 22	+1.052 62
0.06	+0.089 60	+0.345 39	+0.592 80	+0.830 38	+1.056 87
0.07	+0.104 36	+0.358 78	+0.603 84	+0.838 21	+1.060 77
0.08	+0.119 04	+0.371 99	+0.614 60	+0.845 71	+1.064 34
0.09	+0.133 65	+0.385 00	+0.625 09	+0.852 89	+1.067 57
0.10	+0.148 15	+0.397 80	+0.635 30	+0.859 75	+1.070 49
0.11	+0.162 54	+0.410 39	+0.645 21	+0.866 28	+1.073 08
0.12	+0.176 81	+0.422 75	+0.654 84	+0.872 49	+1.075 37
0.13	+0.190 96	+0.434 89	+0.664 17	+0.878 39	+1.077 35
0.14	+0.204 97	+0.446 80	+0.673 22	+0.883 98	+1.079 04
0.15	+0.218 83	+0.458 48	+0.681 97	+0.889 25	+1.080 44
0.16	+0.232 54	+0.469 91	+0.690 44	+0.894 23	+1.081 56
0.17	+0.246 09	+0.481 08	+0.698 61	+0.898 90	+1.082 40
0.18	+0.259 46	+0.492 04	+0.706 49	+0.903 28	+1.082 98
0.19	+0.272 66	+0.502 73	+0.714 08	+0.907 36	+1.083 31
0.20	+0.285 67	+0.513 16	+0.721 39	+0.911 16	+1.083 38
0.21	+0.298 488	+0.523 345	+0.728 404	+0.914 690	+1.083 209
0.22	+0.311 104	+0.533 243	+0.735 135	+0.917 923	+1.082 802
0.23	+0.323 515	+0.542 893	+0.741 583	+0.920 899	+1.082 168
0.24	+0.335 716	+0.552 280	+0.747 752	+0.923 610	+1.081 314
0.25	+0.347 699	+0.561 401	+0.753 644	+0.926 062	+1.080 248
0.26	+0.359 460	+0.570 258	+0.759 260	+0.928 261	+1.078 976
0.27	+0.370 994	+0.578 846	+0.764 605	+0.930 214	+1.077 506
0.28	+0.382 299	+0.587 170	+0.769 682	+0.931 929	+1.075 846
0.29	+0.393 369	+0.595 228	+0.774 495	+0.933 404	+1.074 004
0.30	+0.404 201	+0.603 025	+0.779 050	+0.934 641	+1.071 964
0.31	+0.414 792	+0.610 549	+0.783 347	+0.935 681	+1.069 798
0.32	+0.425 140	+0.617 815	+0.787 392	+0.936 489	+1.067 444
0.33	+0.435 242	+0.624 820	+0.791 191	+0.937 090	+1.064 938
0.34	+0.445 098	+0.631 566	+0.794 746	+0.937 486	+1.062 282
0.35	+0.454 703	+0.638 053	+0.798 063	+0.937 683	+1.059 483
0.36	+0.464 059	+0.644 285	+0.801 146	+0.937 689	+1.056 548
0.37	+0.473 165	+0.650 266	+0.804 001	+0.937 509	+1.053 483
0.38	+0.482 018	+0.655 997	+0.806 632	+0.937 148	+1.050 293
0.39	+0.490 622	+0.661 480	+0.809 044	+0.936 614	+1.046 986
0.40	+0.498 973	+0.666 720	+0.811 243	+0.935 912	+1.043 566
0.41	+0.507 073	+0.671 720	+0.813 233	+0.935 047	+1.040 039
0.42	+0.514 924	+0.676 489	+0.815 029	+0.934 030	+1.036 411
0.43	+0.522 526	+0.681 013	+0.816 607	+0.932 853	+1.032 687
0.44	+0.529 881	+0.685 308	+0.818 002	+0.931 535	+1.028 872
0.45	+0.536 990	+0.689 391	+0.819 208	+0.930 112	+1.024 972
0.46	+0.543 854	+0.693 246	+0.820 231	+0.928 484	+1.020 990
0.47	+0.550 477	+0.696 881	+0.821 077	+0.926 752	+1.016 933
0.48	+0.556 860	+0.700 305	+0.821 748	+0.924 912	+1.012 803
0.49	+0.563 006	+0.703 518	+0.822 253	+0.922 949	+1.008 608
0.50	+0.568 915	+0.706 528	+0.822 595	+0.920 870	+1.004 350
0.51	+0.574 596	+0.709 337	+0.822 779	+0.918 679	+1.000 031
0.52	+0.580 047	+0.711 950	+0.822 809	+0.916 384	+0.995 659
0.53	+0 585 272	+0.714 373	+0.822 692	+0.913 990	+0.991 236
0.54	+0.590 273	+0.716 608	+0.822 433	+0.911 500	+0.986 766
0.55	+0.595 057	+0.718 661	+0.822 034	+0.908 919	+0.982 253
0.56	+0.599 625	+0.720 535	+0.821 502	+0.906 251	+0.977 700

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	90°	95°	100°	105°	110°
0.56	+0.599 625	+0.720 535	+0.821 502	+0.906 251	+0.977 700
0.57	+0.603 982	+0.722 237	+0.820 840	+0.903 500	+0.973 111
0.58	+0.608 130	+0.723 773	+0.820 054	+0.900 671	+0.968 488
0.59	+0.612 074	+0.725 138	+0.819 148	+0.897 767	+0.963 835
0.60	+0.615 818	+0.726 346	+0.818 126	+0.894 792	+0.959 156
0.61	+0.619 365	+0.727 399	+0.816 993	+0.891 750	+0.954 451
0.62	+0.622 719	+0.728 300	+0.815 752	+0.888 645	+0.949 725
0.63	+0.625 885	+0.729 045	+0.814 408	+0.885 479	+0.944 982
0.64	+0.628 867	+0.729 667	+0.812 965	+0.882 258	+0.940 224
0.65	+0.631 668	+0.730 141	+0.811 427	+0.878 982	+0.935 449
0.66	+0.634 293	+0.730 481	+0.809 798	+0.875 657	+0.930 664
0.67	+0.636 746	+0.730 692	+0.808 081	+0.872 285	+0.925 869
0.68	+0.639 032	+0.730 776	+0.806 281	+0.868 869	+0.921 065
0.69	+0.641 153	+0.730 739	+0.804 400	+0.865 412	+0.916 261
0.70	+0.643 114	+0.730 585	+0.802 443	+0.861 917	+0.911 452
0.71	+0.644 920	+0.730 317	+0.800 412	+0.858 386	+0.906 642
0.72	+0.646 574	+0.729 937	+0.798 311	+0.854 822	+0.901 832
0.73	+0.648 080	+0.729 454	+0.796 144	+0.851 227	+0.897 025
0.74	+0.649 443	+0.728 868	+0.793 913	+0.847 605	+0.892 222
0.75	+0.650 667	+0.728 183	+0.791 621	+0.843 956	+0.887 425
0.76	+0.651 754	+0.727 403	+0.789 272	+0.840 285	+0.882 635
0.77	+0.652 710	+0.726 531	+0.786 868	+0.836 592	+0.877 853
0.78	+0.653 538	+0.725 571	+0.784 413	+0.832 880	+0.873 081
0.79	+0.654 242	+0.724 526	+0.781 908	+0.829 150	+0.868 321
0.80	+0.654 826	+0.723 399	+0.779 356	+0.825 406	+0.863 575
0.81	+0.655 293	+0.722 194	+0.776 761	+0.821 647	+0.858 838
0.82	+0.655 646	+0.720 914	+0.774 124	+0.817 878	+0.854 118
0.83	+0.655 890	+0.719 561	+0.771 448	+0.814 098	+0.849 413
0.84	+0.656 029	+0.718 139	+0.768 735	+0.810 310	+0.844 725
0.85	+0.656 065	+0.716 651	+0.765 987	+0.806 515	+0.840 055
0.86	+0.656 001	+0.715 100	+0.763 207	+0.802 715	+0.835 403
0.87	+0.655 842	+0.713 487	+0.760 397	+0.798 912	+0.830 770
0.88	+0.655 591	+0.711 816	+0.757 558	+0.795 106	+0.826 157
0.89	+0.655 250	+0.710 090	+0.754 694	+0.791 298	+0.821 565
0.90	+0.654 823	+0.708 310	+0.751 804	+0.787 491	+0.816 994
0.91	+0.654 312	+0.706 480	+0.748 892	+0.783 686	+0.812 446
0.92	+0.653 722	+0.704 602	+0.745 959	+0.779 883	+0.807 920
0.93	+0.653 054	+0.702 677	+0.743 007	+0.776 083	+0.803 417
0.94	+0.652 311	+0.700 709	+0.740 038	+0.772 288	+0.798 936
0.95	+0.651 498	+0.698 699	+0.737 052	+0.768 499	+0.794 483
0.96	+0.650 615	+0.696 650	+0.734 052	+0.764 717	+0.790 053
0.97	+0.649 666	+0.694 563	+0.731 038	+0.760 942	+0.785 648
0.98	+0.648 653	+0.692 441	+0.728 013	+0.757 176	+0.781 269
0.99	+0.647 579	+0.690 286	+0.724 978	+0.753 419	+0.776 914
1.00	+0.646 447	+0.688 099	+0.721 934	+0.749 672	+0.772 586
1.01	+0.645 258	+0.685 881	+0.718 882	+0.745 935	+0.768 284
1.02	+0.644 015	+0.683 636	+0.715 823	+0.742 211	+0.764 010
1.03	+0.642 720	+0.681 364	+0.712 759	+0.738 498	+0.759 762
1.04	+0.641 376	+0.679 068	+0.709 691	+0.734 798	+0.755 541
1.05	+0.639 984	+0.676 748	+0.706 619	+0.731 112	+0.751 349
1.06	+0.638 547	+0.674 406	+0.703 545	+0.727 439	+0.747 183
1.07	+0.637 067	+0.672 044	+0.700 470	+0.723 781	+0.743 043
1.08	+0.635 545	+0.669 664	+0.697 394	+0.720 138	+0.738 935
1.09	+0.633 984	+0.667 265	+0.694 319	+0.716 511	+0.734 853
1.10	+0.632 385	+0.664 851	+0.691 246	+0.712 899	+0.730 799
1.11	+0.630 750	+0.662 421	+0.688 174	+0.709 304	+0.726 773

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

ψ / z	90°	95°	100°	105°	110°
1.11	+0.630 750	+0.662 421	+0.688 174	+0.709 304	+0.726 773
1.12	+0.629 081	+0.659 977	+0.685 106	+0.705 726	+0.722 774
1.13	+0.627 380	+0.657 522	+0.682 041	+0.702 165	+0.718 805
1.14	+0.625 647	+0.655 054	+0.678 980	+0.698 621	+0.714 864
1.15	+0.623 886	+0.652 575	+0.675 925	+0.695 094	+0.710 952
1.16	+0.622 097	+0.650 089	+0.672 875	+0.691 587	+0.707 067
1.17	+0.620 281	+0.647 594	+0.669 832	+0.688 097	+0.703 207
1.18	+0.618 441	+0.645 092	+0.666 796	+0.684 626	+0.699 382
1.19	+0.616 577	+0.642 583	+0.663 767	+0.681 174	+0.695 583
1.20	+0.614 691	+0.640 068	+0.660 746	+0.677 741	+0.691 811
1.21	+0.612 784	+0.637 549	+0.657 734	+0.674 327	+0.688 068
1.22	+0.610 858	+0.635 027	+0.654 730	+0.670 933	+0.684 353
1.23	+0.608 913	+0.632 501	+0.651 737	+0.667 558	+0.680 666
1.24	+0.606 951	+0.629 973	+0.648 753	+0.664 204	+0.677 006
1.25	+0.604 973	+0.627 443	+0.645 779	+0.660 869	+0.673 375
1.26	+0.602 980	+0.624 913	+0.642 817	+0.657 554	+0.669 772
1.27	+0.600 973	+0.622 383	+0.639 865	+0.654 260	+0.666 196
1.28	+0.598 953	+0.619 853	+0.636 925	+0.650 985	+0.662 644
1.29	+0.596 921	+0.617 325	+0.633 996	+0.647 732	+0.659 126
1.30	+0.594 878	+0.614 798	+0.631 080	+0.644 498	+0.655 636
1.31	+0.592 825	+0.612 273	+0.628 176	+0.641 285	+0.652 167
1.32	+0.590 763	+0.609 752	+0.625 284	+0.638 093	+0.648 727
1.33	+0.588 692	+0.607 233	+0.622 406	+0.634 921	+0.645 315
1.34	+0.586 614	+0.604 719	+0.619 540	+0.631 770	+0.641 929
1.35	+0.584 528	+0.602 209	+0.616 688	+0.628 640	+0.638 570
1.36	+0.582 437	+0.599 704	+0.613 850	+0.625 530	+0.635 239
1.37	+0.580 341	+0.597 205	+0.611 025	+0.622 441	+0.631 932
1.38	+0.578 239	+0.594 710	+0.608 215	+0.619 373	+0.628 652
1.39	+0.576 134	+0.592 222	+0.605 418	+0.616 325	+0.625 398
1.40	+0.574 026	+0.589 741	+0.602 636	+0.613 298	+0.622 170
1.41	+0.571 914	+0.587 266	+0.599 868	+0.610 291	+0.618 967
1.42	+0.569 801	+0.584 798	+0.597 115	+0.607 305	+0.615 791
1.43	+0.567 686	+0.582 338	+0.594 376	+0.604 343	+0.612 639
1.44	+0.565 570	+0.579 886	+0.591 652	+0.601 395	+0.609 512
1.45	+0.563 454	+0.577 442	+0.588 944	+0.598 471	+0.606 411
1.46	+0.561 337	+0.575 006	+0.586 250	+0.595 567	+0.603 334
1.47	+0.559 222	+0.572 579	+0.583 571	+0.592 683	+0.600 282
1.48	+0.557 107	+0.570 160	+0.580 908	+0.589 820	+0.597 254
1.49	+0.554 994	+0.567 751	+0.578 259	+0.586 976	+0.594 251
1.50	+0.552 882	+0.565 351	+0.575 626	+0.584 153	+0.591 271
1.51	+0.550 773	+0.562 961	+0.573 009	+0.581 350	+0.588 316
1.52	+0.548 666	+0.560 580	+0.570 406	+0.578 570	+0.585 384
1.53	+0.546 563	+0.558 209	+0.567 820	+0.575 804	+0.582 475
1.54	+0.544 463	+0.555 849	+0.565 248	+0.573 060	+0.579 590
1.55	+0.542 367	+0.553 498	+0.562 692	+0.570 337	+0.576 728
1.56	+0.540 274	+0.551 159	+0.560 152	+0.567 633	+0.573 889
1.57	+0.538 187	+0.548 829	+0.557 627	+0.564 948	+0.571 073
1.58	+0.536 103	+0.546 511	+0.555 118	+0.562 283	+0.568 279
1.59	+0.534 025	+0.544 203	+0.552 624	+0.559 637	+0.565 508
1.60	+0.531 952	+0.541 906	+0.550 145	+0.557 010	+0.562 759
1.61	+0.529 885	+0.539 620	+0.547 682	+0.554 402	+0.560 032
1.62	+0.527 824	+0.537 345	+0.545 235	+0.551 813	+0.557 327
1.63	+0.525 768	+0.535 081	+0.542 803	+0.549 243	+0.554 642
1.64	+0.523 719	+0.532 830	+0.540 386	+0.546 692	+0.551 980
1.65	+0.521 676	+0.530 589	+0.537 985	+0.544 159	+0.549 339
1.66	+0.519 640	+0.528 360	+0.535 600	+0.541 645	+0.546 718

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	90°	95°	100°	105°	110°
1.66	+0.519 640	+0.528 360	+0.535 600	+0.541 645	+0.546 718
1.67	+0.517 610	+0.526 143	+0.533 229	+0.539 149	+0.544 119
1.68	+0.515 588	+0.523 937	+0.530 874	+0.536 672	+0.541 541
1.69	+0.513 573	+0.521 742	+0.528 534	+0.534 212	+0.538 983
1.70	+0.511 565	+0.519 560	+0.526 209	+0.531 771	+0.536 445
1.71	+0.509 565	+0.517 389	+0.523 899	+0.529 347	+0.533 928
1.72	+0.507 572	+0.515 230	+0.521 605	+0.526 941	+0.531 430
1.73	+0.505 588	+0.513 083	+0.519 325	+0.524 553	+0.528 952
1.74	+0.503 611	+0.510 948	+0.517 061	+0.522 183	+0.526 494
1.75	+0.501 642	+0.508 824	+0.514 811	+0.519 829	+0.524 054
1.76	+0.499 681	+0.506 712	+0.512 577	+0.517 494	+0.521 635
1.77	+0.497 729	+0.504 613	+0.510 357	+0.515 175	+0.519 234
1.78	+0.495 785	+0.502 525	+0.508 151	+0.512 873	+0.516 852
1.79	+0.493 850	+0.500 449	+0.505 961	+0.510 588	+0.514 489
1.80	+0.491 923	+0.498 385	+0.503 785	+0.508 320	+0.512 145
1.81	+0.490 005	+0.496 333	+0.501 623	+0.506 068	+0.509 818
1.82	+0.488 096	+0.494 293	+0.499 476	+0.503 833	+0.507 510
1.83	+0.486 195	+0.492 264	+0.497 343	+0.501 614	+0.505 220
1.84	+0.484 303	+0.490 248	+0.495 225	+0.499 412	+0.502 948
1.85	+0.482 420	+0.488 244	+0.493 121	+0.497 225	+0.500 693
1.86	+0.480 547	+0.486 251	+0.491 031	+0.495 055	+0.498 456
1.87	+0.478 682	+0.484 270	+0.488 955	+0.492 901	+0.496 237
1.88	+0.476 826	+0.482 301	+0.486 893	+0.490 762	+0.494 034
1.89	+0.474 980	+0.480 343	+0.484 844	+0.488 638	+0.491 849
1.90	+0.473 142	+0.478 398	+0.482 810	+0.486 531	+0.489 680
1.91	+0.471 314	+0.476 464	+0.480 789	+0.484 438	+0.487 528
1.92	+0.469 495	+0.474 542	+0.478 782	+0.482 361	+0.485 393
1.93	+0.467 686	+0.472 631	+0.476 789	+0.480 299	+0.483 273
1.94	+0.465 885	+0.470 732	+0.474 809	+0.478 252	+0.481 171
1.95	+0.464 094	+0.468 845	+0.472 842	+0.476 220	+0.479 084
1.96	+0.462 312	+0.466 969	+0.470 889	+0.474 202	+0.477 013
1.97	+0.460 540	+0.465 104	+0.468 948	+0.472 199	+0.474 958
1.98	+0.458 777	+0.463 251	+0.467 021	+0.470 211	+0.472 918
1.99	+0.457 023	+0.461 409	+0.465 107	+0.468 237	+0.470 895
2.00	+0.455 279	+0.459 579	+0.463 206	+0.466 277	+0.468 885
2.01	+0.453 544	+0.457 752	+0.461 318	+0.464 331	+0.466 892
2.02	+0.451 818	+0.455 945	+0.459 442	+0.462 398	+0.464 913
2.03	+0.450 101	+0.454 148	+0.457 579	+0.460 481	+0.462 950
2.04	+0.448 394	+0.452 362	+0.455 729	+0.458 578	+0.461 001
2.05	+0.446 697	+0.450 588	+0.453 891	+0.456 686	+0.459 066
2.06	+0.445 008	+0.448 825	+0.452 066	+0.454 810	+0.457 146
2.07	+0.443 329	+0.447 072	+0.450 253	+0.452 946	+0.455 241
2.08	+0.441 659	+0.445 330	+0.448 452	+0.451 096	+0.453 349
2.09	+0.439 999	+0.443 601	+0.446 663	+0.449 258	+0.451 472
2.10	+0.438 348	+0.441 881	+0.444 886	+0.447 434	+0.449 608
2.11	+0.436 705	+0.440 171	+0.443 122	+0.445 624	+0.447 759
2.12	+0.435 073	+0.438 474	+0.441 369	+0.443 825	+0.445 923
2.13	+0.433 449	+0.436 785	+0.439 628	+0.442 040	+0.444 100
2.14	+0.431 834	+0.435 108	+0.437 898	+0.440 267	+0.442 291
2.15	+0.430 229	+0.433 442	+0.436 180	+0.438 506	+0.440 495
2.16	+0.428 633	+0.431 787	+0.434 474	+0.436 758	+0.438 712
2.17	+0.427 045	+0.430 140	+0.432 779	+0.435 023	+0.436 943
2.18	+0.425 467	+0.428 503	+0.431 096	+0.433 300	+0.435 186
2.19	+0.423 898	+0.426 878	+0.429 423	+0.431 588	+0.433 442
2.20	+0.422 338	+0.425 264	+0.427 762	+0.429 888	+0.431 710
2.21	+0.420 787	+0.423 659	+0.426 112	+0.428 201	+0.429 992

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	90°	95°	100°	105°	110°
2.21	+0.420 787	+0.423 659	+0.426 112	+0.428 201	+0.429 992
2.22	+0.419 244	+0.422 063	+0.424 473	+0.426 526	+0.428 285
2.23	+0.417 711	+0.420 479	+0.422 845	+0.424 861	+0.426 591
2.24	+0.416 186	+0.418 902	+0.421 228	+0.423 210	+0.424 908
2.25	+0.414 670	+0.417 338	+0.419 621	+0.421 568	+0.423 238
2.26	+0.413 163	+0.415 783	+0.418 025	+0.419 938	+0.421 580
2.27	+0.411 665	+0.414 238	+0.416 440	+0.418 319	+0.419 934
2.28	+0.410 175	+0.412 700	+0.414 865	+0.416 713	+0.418 299
2.29	+0.408 694	+0.411 174	+0.413 300	+0.415 116	+0.416 676
2.30	+0.407 222	+0.409 658	+0.411 746	+0.413 531	+0.415 064
2.31	+0.405 758	+0.408 152	+0.410 202	+0.411 955	+0.413 464
2.32	+0.404 302	+0.406 652	+0.408 668	+0.410 392	+0.411 875
2.33	+0.402 855	+0.405 164	+0.407 145	+0.408 839	+0.410 298
2.34	+0.401 417	+0.403 685	+0.405 631	+0.407 296	+0.408 731
2.35	+0.399 987	+0.402 214	+0.404 127	+0.405 765	+0.407 175
2.36	+0.398 565	+0.400 753	+0.402 633	+0.404 243	+0.405 630
2.37	+0.397 151	+0.399 301	+0.401 149	+0.402 732	+0.404 096
2.38	+0.395 746	+0.397 859	+0.399 675	+0.401 230	+0.402 573
2.39	+0.394 349	+0.396 427	+0.398 210	+0.399 739	+0.401 060
2.40	+0.392 960	+0.394 999	+0.396 754	+0.398 260	+0.399 557
2.41	+0.391 579	+0.393 582	+0.395 308	+0.396 789	+0.398 065
2.42	+0.390 207	+0.392 175	+0.393 872	+0.395 328	+0.396 583
2.43	+0.388 842	+0.390 778	+0.392 444	+0.393 875	+0.395 111
2.44	+0.387 485	+0.389 388	+0.391 026	+0.392 433	+0.393 650
2.45	+0.386 136	+0.388 005	+0.389 617	+0.391 002	+0.392 198
2.46	+0.384 795	+0.386 632	+0.388 217	+0.389 580	+0.390 756
2.47	+0.383 462	+0.385 269	+0.386 827	+0.388 166	+0.389 324
2.48	+0.382 137	+0.383 912	+0.385 445	+0.386 763	+0.387 902
2.49	+0.380 819	+0.382 564	+0.384 071	+0.385 368	+0.386 488
2.50	+0.379 509	+0.381 224	+0.382 707	+0.383 984	+0.385 086
2.51	+0.378 207	+0.379 894	+0.381 351	+0.382 606	+0.383 692
2.52	+0.376 913	+0.378 571	+0.380 004	+0.381 239	+0.382 308
2.53	+0.375 625	+0.377 256	+0.378 666	+0.379 881	+0.380 933
2.54	+0.374 346	+0.375 950	+0.377 336	+0.378 532	+0.379 567
2.55	+0.373 074	+0.374 651	+0.376 015	+0.377 191	+0.378 210
2.56	+0.371 809	+0.373 360	+0.374 701	+0.375 859	+0.376 862
2.57	+0.370 552	+0.372 076	+0.373 397	+0.374 537	+0.375 524
2.58	+0.369 301	+0.370 800	+0.372 100	+0.373 222	+0.374 193
2.59	+0.368 059	+0.369 534	+0.370 811	+0.371 914	+0.372 872
2.60	+0.366 823	+0.368 274	+0.369 531	+0.370 618	+0.371 560
2.61	+0.365 595	+0.367 020	+0.368 259	+0.369 330	+0.370 256
2.62	+0.364 373	+0.365 777	+0.366 994	+0.368 047	+0.368 960
2.63	+0.363 159	+0.364 540	+0.365 738	+0.366 774	+0.367 673
2.64	+0.361 952	+0.363 311	+0.364 489	+0.365 509	+0.366 394
2.65	+0.360 752	+0.362 088	+0.363 248	+0.364 253	+0.365 124
2.66	+0.359 558	+0.360 873	+0.362 015	+0.363 004	+0.363 862
2.67	+0.358 372	+0.359 666	+0.360 789	+0.361 762	+0.362 608
2.68	+0.357 192	+0.358 466	+0.359 571	+0.360 530	+0.361 362
2.69	+0.356 020	+0.357 272	+0.358 361	+0.359 305	+0.360 124
2.70	+0.354 853	+0.356 086	+0.357 158	+0.358 086	+0.358 895
2.71	+0.353 694	+0.354 906	+0.355 962	+0.356 878	+0.357 673
2.72	+0.352 542	+0.353 734	+0.354 773	+0.355 675	+0.356 459
2.73	+0.351 395	+0.352 570	+0.353 592	+0.354 480	+0.355 252
2.74	+0.350 256	+0.351 412	+0.352 419	+0.353 292	+0.354 053
2.75	+0.349 123	+0.350 261	+0.351 252	+0.352 113	+0.352 862
2.76	+0.347 997	+0.349 116	+0.350 092	+0.350 940	+0.351 678

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	90°	95°	100°	105°	110°
2.76	+ 0.347 997	+ 0.349 116	+ 0.350 092	+ 0.350 940	+ 0.351 678
2.77	+ 0.346 877	+ 0.347 978	+ 0.348 940	+ 0.349 775	+ 0.350 502
2.78	+ 0.345 763	+ 0.346 849	+ 0.347 794	+ 0.348 616	+ 0.349 333
2.79	+ 0.344 656	+ 0.345 725	+ 0.346 655	+ 0.347 464	+ 0.348 172
2.80	+ 0.343 555	+ 0.344 606	+ 0.345 524	+ 0.346 322	+ 0.347 018
2.81	+ 0.342 460	+ 0.343 495	+ 0.344 399	+ 0.345 185	+ 0.345 870
2.82	+ 0.341 371	+ 0.342 390	+ 0.343 280	+ 0.344 056	+ 0.344 730
2.83	+ 0.340 289	+ 0.341 293	+ 0.342 169	+ 0.342 932	+ 0.343 598
2.84	+ 0.339 213	+ 0.340 202	+ 0.341 064	+ 0.341 815	+ 0.342 472
2.85	+ 0.338 143	+ 0.339 117	+ 0.339 966	+ 0.340 706	+ 0.341 353
2.86	+ 0.337 079	+ 0.338 036	+ 0.338 874	+ 0.339 604	+ 0.340 241
2.87	+ 0.336 020	+ 0.336 962	+ 0.337 789	+ 0.338 509	+ 0.339 136
2.88	+ 0.334 968	+ 0.335 897	+ 0.336 710	+ 0.337 419	+ 0.338 038
2.89	+ 0.333 922	+ 0.334 837	+ 0.335 638	+ 0.336 337	+ 0.336 946
2.90	+ 0.332 882	+ 0.333 784	+ 0.334 572	+ 0.335 259	+ 0.335 862
2.91	+ 0.331 847	+ 0.332 736	+ 0.333 512	+ 0.334 190	+ 0.334 783
2.92	+ 0.330 818	+ 0.331 694	+ 0.332 458	+ 0.333 127	+ 0.333 711
2.93	+ 0.329 796	+ 0.330 656	+ 0.331 411	+ 0.332 071	+ 0.332 646
2.94	+ 0.328 778	+ 0.329 626	+ 0.330 370	+ 0.331 018	+ 0.331 587
2.95	+ 0.327 767	+ 0.328 602	+ 0.329 335	+ 0.329 974	+ 0.330 535
2.96	+ 0.326 761	+ 0.327 585	+ 0.328 305	+ 0.328 935	+ 0.329 489
2.97	+ 0.325 760	+ 0.326 571	+ 0.327 282	+ 0.327 904	+ 0.328 449
2.98	+ 0.324 766	+ 0.325 563	+ 0.326 265	+ 0.326 879	+ 0.327 415
2.99	+ 0.323 776	+ 0.324 564	+ 0.325 254	+ 0.325 858	+ 0.326 388
3.00	+ 0.322 792	+ 0.323 569	+ 0.324 249	+ 0.324 844	+ 0.325 366
3.01	+ 0.321 814	+ 0.322 579	+ 0.323 249	+ 0.323 836	+ 0.324 351
3.02	+ 0.320 841	+ 0.321 594	+ 0.322 255	+ 0.322 834	+ 0.323 342
3.03	+ 0.319 873	+ 0.320 614	+ 0.321 267	+ 0.321 838	+ 0.322 339
3.04	+ 0.318 911	+ 0.319 643	+ 0.320 285	+ 0.320 847	+ 0.321 341
3.05	+ 0.317 954	+ 0.318 674	+ 0.319 308	+ 0.319 864	+ 0.320 350
3.06	+ 0.317 002	+ 0.317 712	+ 0.318 336	+ 0.318 884	+ 0.319 364
3.07	+ 0.316 056	+ 0.316 756	+ 0.317 371	+ 0.317 911	+ 0.318 384
3.08	+ 0.315 114	+ 0.315 804	+ 0.316 410	+ 0.316 943	+ 0.317 410
3.09	+ 0.314 178	+ 0.314 858	+ 0.315 456	+ 0.315 980	+ 0.316 442
3.10	+ 0.313 247	+ 0.313 917	+ 0.314 506	+ 0.315 024	+ 0.315 479
3.11	+ 0.312 321	+ 0.312 982	+ 0.313 562	+ 0.314 074	+ 0.314 522
3.12	+ 0.311 399	+ 0.312 051	+ 0.312 624	+ 0.313 128	+ 0.313 570
3.13	+ 0.310 483	+ 0.311 126	+ 0.311 690	+ 0.312 186	+ 0.312 624
3.14	+ 0.309 572	+ 0.310 205	+ 0.310 762	+ 0.311 252	+ 0.311 683
3.15	+ 0.308 666	+ 0.309 290	+ 0.309 839	+ 0.310 322	+ 0.310 747
3.16	+ 0.307 765	+ 0.308 380	+ 0.308 921	+ 0.309 398	+ 0.309 817
3.17	+ 0.306 868	+ 0.307 475	+ 0.308 009	+ 0.308 479	+ 0.308 892
3.18	+ 0.305 976	+ 0.306 574	+ 0.307 101	+ 0.307 565	+ 0.307 973
3.19	+ 0.305 089	+ 0.305 679	+ 0.306 198	+ 0.306 656	+ 0.307 059
3.20	+ 0.304 207	+ 0.304 788	+ 0.305 301	+ 0.305 752	+ 0.306 150
3.21	+ 0.303 330	+ 0.303 903	+ 0.304 408	+ 0.304 852	+ 0.305 246
3.22	+ 0.302 457	+ 0.303 022	+ 0.303 521	+ 0.303 960	+ 0.304 347
3.23	+ 0.301 589	+ 0.302 146	+ 0.302 638	+ 0.303 072	+ 0.303 453
3.24	+ 0.300 725	+ 0.301 275	+ 0.301 760	+ 0.302 188	+ 0.302 564
3.25	+ 0.299 866	+ 0.300 408	+ 0.300 887	+ 0.301 311	+ 0.301 681
3.26	+ 0.299 012	+ 0.299 546	+ 0.300 018	+ 0.300 434	+ 0.300 802
3.27	+ 0.298 162	+ 0.298 689	+ 0.299 155	+ 0.299 565	+ 0.299 928
3.28	+ 0.297 317	+ 0.297 836	+ 0.298 296	+ 0.298 701	+ 0.299 059
3.29	+ 0.296 476	+ 0.296 989	+ 0.297 442	+ 0.297 842	+ 0.298 195
3.30	+ 0.295 639	+ 0.296 145	+ 0.296 592	+ 0.296 987	+ 0.297 336
3.31	+ 0.294 807	+ 0.295 306	+ 0.295 747	+ 0.296 136	+ 0.296 481

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	90°	95°	100°	105°	110°
3.31	+0.294 807	+0.295 306	+0.295 747	+0.296 136	+0.296 481
3.32	+0.293 979	+0.294 471	+0.294 907	+0.295 291	+0.295 631
3.33	+0.293 156	+0.293 641	+0.294 071	+0.294 450	+0.294 786
3.34	+0.292 337	+0.292 816	+0.293 239	+0.293 617	+0.293 945
3.35	+0.291 522	+0.291 994	+0.292 412	+0.292 782	+0.293 109
3.36	+0.290 711	+0.291 177	+0.291 590	+0.291 956	+0.292 277
3.37	+0.289 905	+0.290 364	+0.290 772	+0.291 132	+0.291 450
3.38	+0.289 102	+0.289 556	+0.289 958	+0.290 315	+0.290 628
3.39	+0.288 304	+0.288 752	+0.289 148	+0.289 500	+0.289 810
3.40	+0.287 510	+0.287 952	+0.288 343	+0.288 690	+0.288 996
3.41	+0.286 720	+0.287 156	+0.287 542	+0.287 884	+0.288 187
3.42	+0.285 934	+0.286 364	+0.286 746	+0.287 084	+0.287 382
3.43	+0.285 153	+0.285 577	+0.285 953	+0.286 287	+0.286 582
3.44	+0.284 375	+0.284 793	+0.285 165	+0.285 493	+0.285 786
3.45	+0.283 601	+0.284 014	+0.284 381	+0.284 706	+0.284 994
3.46	+0.282 831	+0.283 239	+0.283 601	+0.283 923	+0.284 206
3.47	+0.282 065	+0.282 467	+0.282 825	+0.283 142	+0.283 423
3.48	+0.281 303	+0.281 700	+0.282 053	+0.282 366	+0.282 643
3.49	+0.280 545	+0.280 937	+0.281 285	+0.281 594	+0.281 868
3.50	+0.279 790	+0.280 177	+0.280 521	+0.280 826	+0.281 097
3.51	+0.279 040	+0.279 422	+0.279 761	+0.280 063	+0.280 330
3.52	+0.278 293	+0.278 670	+0.279 005	+0.279 303	+0.279 567
3.53	+0.277 550	+0.277 922	+0.278 253	+0.278 547	+0.278 808
3.54	+0.276 811	+0.277 178	+0.277 505	+0.277 795	+0.278 052
3.55	+0.276 075	+0.276 438	+0.276 760	+0.277 047	+0.277 301
3.56	+0.275 343	+0.275 701	+0.276 020	+0.276 304	+0.276 554
3.57	+0.274 615	+0.274 968	+0.275 283	+0.275 563	+0.275 811
3.58	+0.273 891	+0.274 239	+0.274 550	+0.274 827	+0.275 071
3.59	+0.273 170	+0.273 514	+0.273 821	+0.274 094	+0.274 336
3.60	+0.272 452	+0.272 792	+0.273 095	+0.273 364	+0.273 604
3.61	+0.271 738	+0.272 074	+0.272 373	+0.272 639	+0.272 876
3.62	+0.271 028	+0.271 360	+0.271 655	+0.271 918	+0.272 152
3.63	+0.270 321	+0.270 649	+0.270 940	+0.271 199	+0.271 431
3.64	+0.269 618	+0.269 941	+0.270 229	+0.270 486	+0.270 714
3.65	+0.268 918	+0.269 237	+0.269 522	+0.269 775	+0.270 001
3.66	+0.268 222	+0.268 537	+0.268 818	+0.269 068	+0.269 291
3.67	+0.267 529	+0.267 840	+0.268 118	+0.268 364	+0.268 585
3.68	+0.266 839	+0.267 146	+0.267 421	+0.267 665	+0.267 883
3.69	+0.266 153	+0.266 456	+0.266 727	+0.266 968	+0.267 184
3.70	+0.265 470	+0.265 770	+0.266 037	+0.266 277	+0.266 488
3.71	+0.264 790	+0.265 086	+0.265 351	+0.265 588	+0.265 796
3.72	+0.264 114	+0.264 406	+0.264 668	+0.264 900	+0.265 108
3.73	+0.263 441	+0.263 730	+0.263 988	+0.264 218	+0.264 423
3.74	+0.262 771	+0.263 057	+0.263 312	+0.263 540	+0.263 742
3.75	+0.262 105	+0.262 387	+0.262 639	+0.262 862	+0.263 064
3.76	+0.261 442	+0.261 720	+0.261 969	+0.262 190	+0.262 389
3.77	+0.260 782	+0.261 056	+0.261 302	+0.261 522	+0.261 717
3.78	+0.260 125	+0.260 396	+0.260 639	+0.260 857	+0.261 049
3.79	+0.259 471	+0.259 739	+0.259 979	+0.260 194	+0.260 384
3.80	+0.258 820	+0.259 085	+0.259 322	+0.259 534	+0.259 723
3.81	+0.258 173	+0.258 434	+0.258 669	+0.258 877	+0.259 065
3.82	+0.257 528	+0.257 787	+0.258 019	+0.258 225	+0.258 410
3.83	+0.256 887	+0.257 142	+0.257 371	+0.257 577	+0.257 758
3.84	+0.256 249	+0.256 501	+0.256 727	+0.256 930	+0.257 110
3.85	+0.255 613	+0.255 863	+0.256 086	+0.256 286	+0.256 464
3.86	+0.254 981	+0.255 227	+0.255 448	+0.255 645	+0.255 822

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	90°	95°	100°	105°	110°
3.86	+ 0.254 981	+ 0.255 227	+ 0.255 448	+ 0.255 645	+ 0.255 822
3.87	+ 0.254 352	+ 0.254 595	+ 0.254 813	+ 0.255 009	+ 0.255 183
3.88	+ 0.253 725	+ 0.253 966	+ 0.254 182	+ 0.254 374	+ 0.254 547
3.89	+ 0.253 102	+ 0.253 340	+ 0.253 553	+ 0.253 744	+ 0.253 914
3.90	+ 0.252 481	+ 0.252 716	+ 0.252 927	+ 0.253 116	+ 0.253 284
3.91	+ 0.251 864	+ 0.252 096	+ 0.252 304	+ 0.252 491	+ 0.252 657
3.92	+ 0.251 249	+ 0.251 478	+ 0.251 684	+ 0.251 869	+ 0.252 033
3.93	+ 0.250 637	+ 0.250 864	+ 0.251 067	+ 0.251 250	+ 0.251 412
3.94	+ 0.250 028	+ 0.250 252	+ 0.250 453	+ 0.250 634	+ 0.250 795
3.95	+ 0.249 422	+ 0.249 644	+ 0.249 842	+ 0.250 020	+ 0.250 180
3.96	+ 0.248 819	+ 0.249 038	+ 0.249 234	+ 0.249 410	+ 0.249 567
3.97	+ 0.248 218	+ 0.248 434	+ 0.248 629	+ 0.248 803	+ 0.248 958
3.98	+ 0.247 621	+ 0.247 834	+ 0.248 026	+ 0.248 199	+ 0.248 352
3.99	+ 0.247 026	+ 0.247 237	+ 0.247 427	+ 0.247 598	+ 0.247 749
4.00	+ 0.246 433	+ 0.246 642	+ 0.246 830	+ 0.246 999	+ 0.247 152

z \ ψ	115°	120°	125°	130°	135°
0.01	+ 1.269 28	+ 1.496 11	+ 1.710 95	+ 1.912 34	+ 2.098 90
0.02	+ 1.270 34	+ 1.491 89	+ 1.701 00	+ 1.896 34	+ 2.076 70
0.03	+ 1.271 05	+ 1.487 40	+ 1.690 87	+ 1.880 30	+ 2.054 66
0.04	+ 1.271 39	+ 1.482 64	+ 1.680 60	+ 1.864 28	+ 2.032 82
0.05	+ 1.271 45	+ 1.477 62	+ 1.670 16	+ 1.848 25	+ 2.011 18
0.06	+ 1.271 17	+ 1.472 34	+ 1.659 60	+ 1.832 26	+ 1.989 77
0.07	+ 1.270 58	+ 1.466 84	+ 1.648 92	+ 1.816 30	+ 1.968 55
0.08	+ 1.269 70	+ 1.461 11	+ 1.638 14	+ 1.800 38	+ 1.947 57
0.09	+ 1.268 49	+ 1.455 17	+ 1.627 25	+ 1.784 52	+ 1.926 81
0.10	+ 1.267 02	+ 1.449 03	+ 1.616 29	+ 1.768 72	+ 1.906 27
0.11	+ 1.265 28	+ 1.442 70	+ 1.605 26	+ 1.752 98	+ 1.885 96
0.12	+ 1.263 28	+ 1.436 19	+ 1.594 16	+ 1.737 32	+ 1.865 88
0.13	+ 1.261 03	+ 1.429 51	+ 1.583 00	+ 1.721 74	+ 1.846 04
0.14	+ 1.258 53	+ 1.422 68	+ 1.571 80	+ 1.706 25	+ 1.826 42
0.15	+ 1.255 80	+ 1.415 70	+ 1.560 56	+ 1.690 85	+ 1.807 06
0.16	+ 1.252 85	+ 1.408 58	+ 1.549 30	+ 1.675 56	+ 1.787 90
0.17	+ 1.249 68	+ 1.401 34	+ 1.538 02	+ 1.660 36	+ 1.768 99
0.18	+ 1.246 31	+ 1.393 97	+ 1.526 72	+ 1.645 27	+ 1.750 33
0.19	+ 1.242 73	+ 1.386 50	+ 1.515 42	+ 1.630 30	+ 1.731 90
0.20	+ 1.238 98	+ 1.378 93	+ 1.504 12	+ 1.615 44	+ 1.713 70
0.21	+ 1.235 048	+ 1.371 259	+ 1.492 839	+ 1.600 701	+ 1.695 736
0.22	+ 1.230 949	+ 1.363 507	+ 1.481 553	+ 1.586 084	+ 1.678 006
0.23	+ 1.226 684	+ 1.355 679	+ 1.470 298	+ 1.571 592	+ 1.660 512
0.24	+ 1.222 266	+ 1.347 780	+ 1.459 068	+ 1.557 229	+ 1.643 240
0.25	+ 1.217 703	+ 1.339 820	+ 1.447 869	+ 1.542 996	+ 1.626 219
0.26	+ 1.213 000	+ 1.331 803	+ 1.436 704	+ 1.528 894	+ 1.609 418
0.27	+ 1.208 170	+ 1.323 738	+ 1.425 583	+ 1.514 927	+ 1.592 844
0.28	+ 1.203 216	+ 1.315 629	+ 1.414 505	+ 1.501 096	+ 1.576 498
0.29	+ 1.198 145	+ 1.307 482	+ 1.403 474	+ 1.487 401	+ 1.560 374
0.30	+ 1.192 965	+ 1.299 307	+ 1.392 500	+ 1.473 843	+ 1.544 473
0.31	+ 1.187 688	+ 1.291 104	+ 1.381 575	+ 1.460 425	+ 1.528 793
0.32	+ 1.182 310	+ 1.282 882	+ 1.370 714	+ 1.447 147	+ 1.513 328
0.33	+ 1.176 845	+ 1.274 644	+ 1.359 914	+ 1.434 009	+ 1.498 084
0.34	+ 1.171 296	+ 1.266 395	+ 1.349 177	+ 1.421 009	+ 1.483 050
0.35	+ 1.165 670	+ 1.258 140	+ 1.338 510	+ 1.408 152	+ 1.468 229
0.36	+ 1.159 973	+ 1.249 885	+ 1.327 911	+ 1.395 433	+ 1.453 614

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	115°	120°	125°	130°	135°
0.36	+1.159 973	+1.249 885	+1.327 911	+1.395 433	+1.453 614
0.37	+1.154 209	+1.241 630	+1.317 385	+1.382 857	+1.439 207
0.38	+1.148 385	+1.233 383	+1.306 933	+1.370 420	+1.425 003
0.39	+1.142 505	+1.225 145	+1.296 556	+1.358 123	+1.411 001
0.40	+1.136 575	+1.216 922	+1.286 260	+1.345 969	+1.397 198
0.41	+1.130 600	+1.208 717	+1.276 043	+1.333 953	+1.383 590
0.42	+1.124 579	+1.200 528	+1.265 904	+1.322 076	+1.370 176
0.43	+1.118 526	+1.192 364	+1.255 848	+1.310 337	+1.356 954
0.44	+1.112 438	+1.184 226	+1.245 876	+1.298 736	+1.343 919
0.45	+1.106 322	+1.176 117	+1.235 988	+1.287 272	+1.331 070
0.46	+1.100 181	+1.168 039	+1.226 185	+1.275 944	+1.318 406
0.47	+1.094 019	+1.159 994	+1.216 467	+1.264 750	+1.305 919
0.48	+1.087 838	+1.151 984	+1.206 836	+1.253 693	+1.293 613
0.49	+1.081 646	+1.144 013	+1.197 291	+1.242 765	+1.281 480
0.50	+1.075 442	+1.136 081	+1.187 835	+1.231 971	+1.269 519
0.51	+1.069 228	+1.128 190	+1.178 467	+1.221 309	+1.257 731
0.52	+1.063 011	+1.120 343	+1.169 186	+1.210 775	+1.246 108
0.53	+1.056 792	+1.112 540	+1.159 994	+1.200 370	+1.234 651
0.54	+1.050 573	+1.104 783	+1.150 891	+1.190 093	+1.223 358
0.55	+1.044 358	+1.097 074	+1.141 876	+1.179 942	+1.212 223
0.56	+1.038 148	+1.089 414	+1.132 950	+1.169 915	+1.201 246
0.57	+1.031 947	+1.081 803	+1.124 112	+1.160 013	+1.190 424
0.58	+1.025 755	+1.074 243	+1.115 362	+1.150 232	+1.179 755
0.59	+1.019 576	+1.066 736	+1.106 701	+1.140 573	+1.169 237
0.60	+1.013 412	+1.059 281	+1.098 127	+1.131 032	+1.158 864
0.61	+1.007 263	+1.051 879	+1.089 641	+1.121 611	+1.148 639
0.62	+1.001 132	+1.044 532	+1.081 243	+1.112 306	+1.138 556
0.63	+0.995 024	+1.037 240	+1.072 932	+1.103 109	+1.128 610
0.64	+0.988 934	+1.030 003	+1.064 708	+1.094 041	+1.118 811
0.65	+0.982 864	+1.022 823	+1.056 566	+1.085 078	+1.109 144
0.66	+0.976 825	+1.015 699	+1.048 512	+1.076 227	+1.099 611
0.67	+0.970 809	+1.008 633	+1.040 544	+1.067 486	+1.090 209
0.68	+0.964 817	+1.001 623	+1.032 660	+1.058 853	+1.080 938
0.69	+0.958 857	+0.994 671	+1.024 860	+1.050 327	+1.071 794
0.70	+0.952 924	+0.987 777	+1.017 144	+1.041 909	+1.062 776
0.71	+0.947 022	+0.980 941	+1.009 510	+1.033 594	+1.053 881
0.72	+0.941 150	+0.974 163	+1.001 959	+1.025 384	+1.045 110
0.73	+0.935 310	+0.967 443	+0.994 488	+1.017 273	+1.036 455
0.74	+0.929 504	+0.960 782	+0.987 098	+1.009 263	+1.027 919
0.75	+0.923 731	+0.954 179	+0.979 788	+1.001 352	+1.019 498
0.76	+0.917 992	+0.947 634	+0.972 558	+0.993 539	+1.011 192
0.77	+0.912 388	+0.941 147	+0.965 407	+0.985 823	+1.002 995
0.78	+0.906 620	+0.934 719	+0.958 333	+0.978 202	+0.994 911
0.79	+0.900 989	+0.928 349	+0.951 337	+0.970 674	+0.986 934
0.80	+0.895 395	+0.922 037	+0.944 416	+0.963 239	+0.979 063
0.81	+0.889 835	+0.915 782	+0.937 573	+0.955 896	+0.971 297
0.82	+0.884 314	+0.909 585	+0.930 803	+0.948 642	+0.963 634
0.83	+0.878 831	+0.903 445	+0.924 108	+0.941 476	+0.956 071
0.84	+0.873 386	+0.897 363	+0.917 486	+0.934 399	+0.948 609
0.85	+0.867 981	+0.891 337	+0.910 937	+0.927 408	+0.941 244
0.86	+0.862 614	+0.885 368	+0.904 460	+0.920 501	+0.933 976
0.87	+0.857 286	+0.879 455	+0.898 054	+0.913 679	+0.926 802
0.88	+0.851 997	+0.873 598	+0.891 718	+0.906 939	+0.919 722
0.89	+0.846 748	+0.867 797	+0.885 452	+0.900 280	+0.912 732
0.90	+0.841 538	+0.862 051	+0.879 254	+0.893 702	+0.905 833
0.91	+0.836 369	+0.856 360	+0.873 124	+0.887 203	+0.899 023

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	115°	120°	125°	130°	135°
0.91	+0.836 369	+0.856 360	+0.873 124	+0.887 203	+0.899 023
0.92	+0.831 239	+0.850 724	+0.867 062	+0.880 781	+0.892 300
0.93	+0.826 149	+0.845 141	+0.861 065	+0.874 436	+0.885 662
0.94	+0.821 098	+0.839 613	+0.855 135	+0.868 168	+0.879 109
0.95	+0.816 089	+0.834 138	+0.849 270	+0.861 974	+0.872 639
0.96	+0.811 118	+0.828 716	+0.843 468	+0.855 854	+0.866 251
0.97	+0.806 189	+0.823 347	+0.837 730	+0.849 806	+0.859 945
0.98	+0.801 298	+0.818 029	+0.832 055	+0.843 830	+0.853 714
0.99	+0.796 448	+0.812 764	+0.826 442	+0.837 924	+0.847 562
1.00	+0.791 636	+0.807 549	+0.820 888	+0.832 087	+0.841 507
1.04	+0.772 789	+0.787 197	+0.799 275	+0.809 415	+0.817 931
1.08	+0.754 567	+0.767 629	+0.778 580	+0.787 776	+0.795 497
1.12	+0.736 958	+0.748 816	+0.758 760	+0.767 111	+0.774 124
1.16	+0.719 953	+0.730 728	+0.739 769	+0.747 365	+0.753 746
1.20	+0.703 532	+0.713 337	+0.721 568	+0.728 487	+0.734 300
1.24	+0.687 678	+0.696 613	+0.704 117	+0.710 427	+0.715 731
1.28	+0.672 374	+0.680 527	+0.687 377	+0.693 140	+0.697 986
1.32	+0.657 607	+0.665 052	+0.671 313	+0.676 583	+0.681 018
1.36	+0.643 353	+0.650 161	+0.655 890	+0.660 716	+0.664 779
1.40	+0.629 593	+0.635 827	+0.641 076	+0.645 502	+0.649 229
1.44	+0.616 310	+0.622 025	+0.626 842	+0.630 904	+0.634 328
1.48	+0.603 487	+0.608 732	+0.613 156	+0.616 890	+0.620 039
1.52	+0.591 106	+0.595 925	+0.599 993	+0.603 429	+0.606 328
1.56	+0.579 147	+0.583 580	+0.587 326	+0.590 491	+0.593 164
1.60	+0.567 596	+0.571 678	+0.575 130	+0.578 050	+0.580 518
1.64	+0.556 433	+0.560 198	+0.563 383	+0.566 080	+0.568 360
1.68	+0.545 648	+0.549 121	+0.552 064	+0.554 556	+0.556 665
1.72	+0.535 220	+0.538 429	+0.541 149	+0.543 456	+0.545 409
1.76	+0.525 136	+0.528 104	+0.530 622	+0.532 759	+0.534 570
1.80	+0.515 382	+0.518 129	+0.520 463	+0.522 445	+0.524 125
1.84	+0.505 945	+0.508 491	+0.510 656	+0.512 495	+0.514 056
1.88	+0.496 811	+0.499 173	+0.501 182	+0.502 892	+0.504 343
1.92	+0.487 968	+0.490 161	+0.492 028	+0.493 618	+0.494 969
1.96	+0.479 404	+0.481 442	+0.483 179	+0.484 659	+0.485 917
2.00	+0.471 107	+0.473 002	+0.474 620	+0.475 999	+0.477 172
2.04	+0.463 067	+0.464 832	+0.466 339	+0.467 625	+0.468 720
2.08	+0.455 272	+0.456 917	+0.458 323	+0.459 524	+0.460 546
2.12	+0.447 715	+0.449 248	+0.450 560	+0.451 682	+0.452 638
2.16	+0.440 383	+0.441 815	+0.443 041	+0.444 090	+0.444 985
2.20	+0.433 270	+0.434 607	+0.435 753	+0.436 735	+0.437 573
2.24	+0.426 365	+0.427 615	+0.428 688	+0.429 607	+0.430 392
2.28	+0.419 660	+0.420 830	+0.421 835	+0.422 697	+0.423 433
2.32	+0.413 149	+0.414 244	+0.415 186	+0.415 994	+0.416 686
2.36	+0.406 821	+0.407 849	+0.408 732	+0.409 491	+0.410 140
2.40	+0.400 674	+0.401 637	+0.402 466	+0.403 179	+0.403 789
2.44	+0.394 697	+0.395 601	+0.396 380	+0.397 050	+0.397 624
2.48	+0.388 885	+0.389 734	+0.390 466	+0.391 096	+0.391 636
2.52	+0.383 231	+0.384 029	+0.384 717	+0.385 311	+0.385 820
2.56	+0.377 730	+0.378 480	+0.379 128	+0.379 687	+0.380 167
2.60	+0.372 375	+0.373 081	+0.373 692	+0.374 219	+0.374 672
2.64	+0.367 162	+0.367 827	+0.368 403	+0.368 899	+0.369 327
2.68	+0.362 085	+0.362 712	+0.363 255	+0.363 724	+0.364 127
2.72	+0.357 141	+0.357 730	+0.358 243	+0.358 686	+0.359 067
2.76	+0.352 321	+0.352 878	+0.353 362	+0.353 780	+0.354 141
2.80	+0.347 623	+0.348 150	+0.348 607	+0.349 003	+0.349 344
2.84	+0.343 044	+0.343 541	+0.343 974	+0.344 348	+0.344 671

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	115°	120°	125°	130°	135°
2.84	+ 0.343 044	+ 0.343 541	+ 0.343 974	+ 0.344 348	+ 0.344 671
2.88	+ 0.338 578	+ 0.339 048	+ 0.339 457	+ 0.339 812	+ 0.340 118
2.92	+ 0.334 222	+ 0.334 666	+ 0.335 054	+ 0.335 389	+ 0.335 679
2.96	+ 0.329 971	+ 0.330 392	+ 0.330 759	+ 0.331 077	+ 0.331 352
3.00	+ 0.325 823	+ 0.326 222	+ 0.326 569	+ 0.326 871	+ 0.327 132
3.04	+ 0.321 774	+ 0.322 151	+ 0.322 481	+ 0.322 767	+ 0.323 015
3.08	+ 0.317 820	+ 0.318 178	+ 0.318 490	+ 0.318 762	+ 0.318 997
3.12	+ 0.313 958	+ 0.314 298	+ 0.314 594	+ 0.314 852	+ 0.315 076
3.16	+ 0.310 185	+ 0.310 508	+ 0.310 789	+ 0.311 034	+ 0.311 247
3.20	+ 0.306 499	+ 0.306 805	+ 0.307 072	+ 0.307 306	+ 0.307 508
3.24	+ 0.302 896	+ 0.303 187	+ 0.303 441	+ 0.303 663	+ 0.303 855
3.28	+ 0.299 374	+ 0.299 650	+ 0.299 892	+ 0.300 103	+ 0.300 286
3.32	+ 0.295 930	+ 0.296 193	+ 0.296 423	+ 0.296 624	+ 0.296 798
3.36	+ 0.292 562	+ 0.292 812	+ 0.293 031	+ 0.293 222	+ 0.293 389
3.40	+ 0.289 267	+ 0.289 505	+ 0.289 714	+ 0.289 896	+ 0.290 054
3.44	+ 0.286 043	+ 0.286 270	+ 0.286 468	+ 0.286 642	+ 0.286 793
3.48	+ 0.282 888	+ 0.283 104	+ 0.283 294	+ 0.283 459	+ 0.283 603
3.52	+ 0.279 800	+ 0.280 006	+ 0.280 186	+ 0.280 344	+ 0.280 482
3.56	+ 0.276 777	+ 0.276 973	+ 0.277 145	+ 0.277 296	+ 0.277 428
3.60	+ 0.273 816	+ 0.274 003	+ 0.274 168	+ 0.274 312	+ 0.274 437
3.64	+ 0.270 915	+ 0.271 094	+ 0.271 252	+ 0.271 389	+ 0.271 510
3.68	+ 0.268 075	+ 0.268 246	+ 0.268 396	+ 0.268 528	+ 0.268 642
3.72	+ 0.265 292	+ 0.265 455	+ 0.265 598	+ 0.265 724	+ 0.265 834
3.76	+ 0.262 565	+ 0.262 720	+ 0.262 857	+ 0.262 978	+ 0.263 083
3.80	+ 0.259 891	+ 0.260 040	+ 0.260 171	+ 0.260 286	+ 0.260 387
3.84	+ 0.257 270	+ 0.257 412	+ 0.257 538	+ 0.257 648	+ 0.257 744
3.88	+ 0.254 700	+ 0.254 836	+ 0.254 956	+ 0.255 062	+ 0.255 154
3.92	+ 0.252 180	+ 0.252 310	+ 0.252 425	+ 0.252 526	+ 0.252 615
3.96	+ 0.249 708	+ 0.249 832	+ 0.249 943	+ 0.250 040	+ 0.250 126
4.00	+ 0.247 285	+ 0.247 402	+ 0.247 508	+ 0.247 600	+ 0.247 682

z \ ψ	140°	145°	150°	155°	160°
0.01	+ 2.269 34	+ 2.422 48	+ 2.557 32	+ 2.672 96	+ 2.768 62
0.02	+ 2.240 97	+ 2.388 17	+ 2.517 48	+ 2.628 16	+ 2.719 56
0.03	+ 2.213 01	+ 2.354 55	+ 2.478 59	+ 2.584 54	+ 2.671 89
0.04	+ 2.185 47	+ 2.321 59	+ 2.440 60	+ 2.542 05	+ 2.625 55
0.05	+ 2.158 36	+ 2.289 26	+ 2.403 48	+ 2.500 65	+ 2.580 51
0.06	+ 2.131 66	+ 2.257 57	+ 2.367 21	+ 2.460 31	+ 2.536 72
0.07	+ 2.105 37	+ 2.226 51	+ 2.331 77	+ 2.420 98	+ 2.494 12
0.08	+ 2.079 51	+ 2.196 06	+ 2.297 14	+ 2.382 68	+ 2.452 68
0.09	+ 2.054 05	+ 2.166 20	+ 2.263 29	+ 2.345 32	+ 2.412 35
0.10	+ 2.028 99	+ 2.136 94	+ 2.230 20	+ 2.308 89	+ 2.373 10
0.11	+ 2.004 33	+ 2.108 24	+ 2.197 85	+ 2.273 35	+ 2.334 88
0.12	+ 1.980 06	+ 2.080 10	+ 2.166 24	+ 2.238 69	+ 2.297 67
0.13	+ 1.956 19	+ 2.052 52	+ 2.135 32	+ 2.204 88	+ 2.261 43
0.14	+ 1.932 71	+ 2.025 48	+ 2.105 09	+ 2.171 88	+ 2.226 12
0.15	+ 1.909 60	+ 1.998 96	+ 2.075 53	+ 2.139 67	+ 2.191 71
0.16	+ 1.886 87	+ 1.972 96	+ 2.046 61	+ 2.108 23	+ 2.158 18
0.17	+ 1.864 52	+ 1.947 46	+ 2.018 33	+ 2.077 55	+ 2.125 49
0.18	+ 1.842 53	+ 1.922 46	+ 1.990 66	+ 2.047 58	+ 2.093 62
0.19	+ 1.820 90	+ 1.897 95	+ 1.963 59	+ 2.018 32	+ 2.062 54
0.20	+ 1.799 63	+ 1.873 90	+ 1.937 10	+ 1.989 73	+ 2.032 22
0.21	+ 1.778 71	+ 1.850 32	+ 1.911 18	+ 1.961 81	+ 2.002 64

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	140°	145°	150°	155°	160°
0.21	+1.778 710	+1.850 324	+1.911 182	+1.961 808	+2.002 640
0.22	+1.758 136	+1.827 195	+1.885 812	+1.934 523	+1.973 777
0.23	+1.737 903	+1.804 510	+1.860 978	+1.907 857	+1.945 604
0.24	+1.718 006	+1.782 259	+1.836 670	+1.881 797	+1.918 104
0.25	+1.698 437	+1.760 430	+1.812 869	+1.856 320	+1.891 252
0.26	+1.679 194	+1.739 016	+1.789 564	+1.831 411	+1.865 029
0.27	+1.660 268	+1.718 005	+1.766 742	+1.807 054	+1.839 417
0.28	+1.641 658	+1.697 391	+1.744 390	+1.783 232	+1.814 393
0.29	+1.623 354	+1.677 169	+1.722 496	+1.759 931	+1.789 943
0.30	+1.605 356	+1.657 316	+1.701 050	+1.737 138	+1.766 048
0.31	+1.587 654	+1.637 836	+1.680 036	+1.714 823	+1.742 691
0.32	+1.570 240	+1.618 717	+1.659 448	+1.692 976	+1.719 855
0.33	+1.553 123	+1.599 955	+1.639 270	+1.671 630	+1.697 527
0.34	+1.536 284	+1.581 536	+1.619 495	+1.650 727	+1.675 691
0.35	+1.519 722	+1.563 455	+1.600 112	+1.630 253	+1.654 331
0.36	+1.503 432	+1.545 706	+1.581 111	+1.610 205	+1.633 434
0.37	+1.487 410	+1.528 278	+1.562 481	+1.590 569	+1.612 987
0.38	+1.471 650	+1.511 166	+1.544 216	+1.571 331	+1.592 977
0.39	+1.456 149	+1.494 367	+1.526 302	+1.552 501	+1.573 390
0.40	+1.440 899	+1.477 862	+1.508 734	+1.534 044	+1.554 216
0.41	+1.425 898	+1.461 655	+1.491 502	+1.515 958	+1.535 442
0.42	+1.411 140	+1.445 737	+1.474 598	+1.498 236	+1.517 058
0.43	+1.396 622	+1.430 102	+1.458 014	+1.480 863	+1.499 051
0.44	+1.382 338	+1.414 742	+1.441 742	+1.463 833	+1.481 411
0.45	+1.368 284	+1.399 651	+1.425 774	+1.447 138	+1.464 131
0.46	+1.354 456	+1.384 825	+1.410 103	+1.430 767	+1.447 198
0.47	+1.340 849	+1.370 257	+1.394 722	+1.414 711	+1.430 603
0.48	+1.327 460	+1.355 940	+1.379 622	+1.398 976	+1.414 337
0.49	+1.314 286	+1.341 872	+1.364 800	+1.383 520	+1.398 391
0.50	+1.301 317	+1.328 044	+1.350 248	+1.368 369	+1.382 758
0.51	+1.288 555	+1.314 449	+1.335 955	+1.353 500	+1.367 429
0.52	+1.275 995	+1.301 090	+1.321 921	+1.338 910	+1.352 394
0.53	+1.263 632	+1.287 955	+1.308 137	+1.324 591	+1.337 647
0.54	+1.251 464	+1.275 042	+1.294 598	+1.310 538	+1.323 181
0.55	+1.239 484	+1.262 343	+1.281 297	+1.296 741	+1.308 988
0.56	+1.227 692	+1.249 858	+1.268 230	+1.283 196	+1.295 061
0.57	+1.216 082	+1.237 589	+1.255 391	+1.269 895	+1.281 393
0.58	+1.204 652	+1.225 503	+1.242 773	+1.256 833	+1.267 978
0.59	+1.193 398	+1.213 616	+1.230 375	+1.244 008	+1.254 809
0.60	+1.182 316	+1.201 935	+1.218 189	+1.231 408	+1.241 881
0.61	+1.171 403	+1.190 436	+1.206 209	+1.219 031	+1.229 186
0.62	+1.160 657	+1.179 147	+1.194 434	+1.206 871	+1.216 721
0.63	+1.150 074	+1.168 018	+1.182 856	+1.194 920	+1.204 477
0.64	+1.139 650	+1.157 069	+1.171 472	+1.183 179	+1.192 451
0.65	+1.129 383	+1.146 296	+1.160 278	+1.171 642	+1.180 637
0.66	+1.119 271	+1.135 695	+1.149 269	+1.160 300	+1.169 030
0.67	+1.109 309	+1.125 260	+1.138 441	+1.149 150	+1.157 625
0.68	+1.099 496	+1.114 991	+1.127 791	+1.138 194	+1.146 417
0.69	+1.089 827	+1.104 880	+1.117 314	+1.127 412	+1.135 401
0.70	+1.080 301	+1.094 927	+1.107 006	+1.116 815	+1.124 574
0.71	+1.070 915	+1.085 128	+1.096 864	+1.106 393	+1.113 929
0.72	+1.061 667	+1.075 481	+1.086 885	+1.096 143	+1.103 464
0.73	+1.052 553	+1.065 981	+1.077 064	+1.086 061	+1.093 174
0.74	+1.043 572	+1.056 625	+1.067 398	+1.076 142	+1.083 055
0.75	+1.034 720	+1.047 412	+1.057 885	+1.066 383	+1.073 103
0.76	+1.025 997	+1.038 338	+1.048 520	+1.056 783	+1.063 315

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	140°	145°	150°	155°	160°
0.76	+1.025 997	+1.038 338	+1.048 520	+1.056 783	+1.063 315
0.77	+1.017 395	+1.029 399	+1.039 302	+1.047 336	+1.053 686
0.78	+1.008 920	+1.020 595	+1.030 225	+1.038 038	+1.044 213
0.79	+1.000 564	+1.011 921	+1.021 288	+1.028 887	+1.034 893
0.80	+0.992 326	+1.003 376	+1.012 488	+1.019 880	+1.025 721
0.81	+0.984 204	+0.994 956	+1.003 822	+1.011 012	+1.016 696
0.82	+0.976 196	+0.986 660	+0.995 287	+1.002 284	+1.007 813
0.83	+0.968 299	+0.978 484	+0.986 880	+0.993 689	+0.999 069
0.84	+0.960 513	+0.970 427	+0.978 599	+0.985 226	+0.990 462
0.85	+0.952 834	+0.962 486	+0.970 442	+0.976 893	+0.981 989
0.86	+0.945 262	+0.954 660	+0.962 405	+0.968 685	+0.973 646
0.87	+0.937 793	+0.946 944	+0.954 486	+0.960 601	+0.965 431
0.88	+0.930 426	+0.939 338	+0.946 683	+0.952 638	+0.957 341
0.89	+0.923 159	+0.931 840	+0.938 994	+0.944 793	+0.949 374
0.90	+0.915 991	+0.924 447	+0.931 416	+0.937 065	+0.941 526
0.91	+0.908 920	+0.917 158	+0.923 947	+0.929 450	+0.933 796
0.92	+0.901 944	+0.909 971	+0.916 585	+0.921 946	+0.926 181
0.93	+0.895 060	+0.902 883	+0.909 328	+0.914 552	+0.918 679
0.94	+0.888 268	+0.895 892	+0.902 174	+0.907 265	+0.911 286
0.95	+0.881 567	+0.888 998	+0.895 120	+0.900 083	+0.904 002
0.96	+0.874 954	+0.882 197	+0.888 165	+0.893 002	+0.896 824
0.97	+0.868 429	+0.875 490	+0.881 308	+0.886 024	+0.889 749
0.98	+0.861 987	+0.868 873	+0.874 546	+0.879 144	+0.882 775
0.99	+0.855 630	+0.862 345	+0.867 877	+0.872 360	+0.875 902
1.00	+0.849 355	+0.855 904	+0.861 299	+0.865 672	+0.869 125
1.04	+0.825 053	+0.830 984	+0.835 870	+0.839 830	+0.842 958
1.08	+0.801 960	+0.807 340	+0.811 773	+0.815 366	+0.818 204
1.12	+0.779 997	+0.784 886	+0.788 915	+0.792 180	+0.794 760
1.16	+0.759 090	+0.763 540	+0.767 207	+0.770 180	+0.772 529
1.20	+0.739 170	+0.743 228	+0.746 571	+0.749 282	+0.751 425
1.24	+0.720 176	+0.723 879	+0.726 933	+0.729 410	+0.731 368
1.28	+0.702 050	+0.705 436	+0.708 229	+0.710 494	+0.712 285
1.32	+0.684 737	+0.687 837	+0.690 395	+0.692 471	+0.694 112
1.36	+0.668 188	+0.671 031	+0.673 378	+0.675 282	+0.676 788
1.40	+0.652 358	+0.654 968	+0.657 124	+0.658 873	+0.660 257
1.44	+0.637 203	+0.639 603	+0.641 586	+0.643 195	+0.644 469
1.48	+0.622 685	+0.624 894	+0.626 720	+0.628 203	+0.629 377
1.52	+0.608 766	+0.610 803	+0.612 487	+0.613 855	+0.614 937
1.56	+0.595 413	+0.597 293	+0.598 847	+0.600 111	+0.601 111
1.60	+0.582 594	+0.584 331	+0.585 768	+0.586 936	+0.587 861
1.64	+0.570 280	+0.571 886	+0.573 216	+0.574 297	+0.575 154
1.68	+0.558 442	+0.559 930	+0.561 162	+0.562 164	+0.562 958
1.72	+0.547 056	+0.548 436	+0.549 578	+0.550 508	+0.551 245
1.76	+0.536 098	+0.537 378	+0.538 438	+0.539 302	+0.539 987
1.80	+0.525 544	+0.526 733	+0.527 719	+0.528 522	+0.529 159
1.84	+0.515 374	+0.516 480	+0.517 398	+0.518 145	+0.518 738
1.88	+0.505 570	+0.506 599	+0.507 454	+0.508 150	+0.508 702
1.92	+0.496 111	+0.497 071	+0.497 867	+0.498 516	+0.499 032
1.96	+0.486 982	+0.487 877	+0.488 620	+0.489 226	+0.489 707
2.00	+0.478 166	+0.479 001	+0.479 695	+0.480 261	+0.480 711
2.04	+0.469 648	+0.470 428	+0.471 077	+0.471 606	+0.472 027
2.08	+0.461 414	+0.462 143	+0.462 750	+0.463 246	+0.463 640
2.12	+0.453 450	+0.454 133	+0.454 701	+0.455 165	+0.455 534
2.16	+0.445 744	+0.446 384	+0.446 916	+0.447 351	+0.447 698
2.20	+0.438 284	+0.438 884	+0.439 384	+0.439 792	+0.440 117
2.24	+0.431 060	+0.431 622	+0.432 091	+0.432 474	+0.432 780

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	140°	145°	150°	155°	160°
2.24	+0.431 060	+0.431 622	+0.432 091	+0.432 474	+0.432 780
2.28	+0.424 059	+0.424 588	+0.425 028	+0.425 388	+0.425 675
2.32	+0.417 274	+0.417 770	+0.418 184	+0.418 523	+0.418 792
2.36	+0.410 693	+0.411 160	+0.411 550	+0.411 868	+0.412 122
2.40	+0.404 309	+0.404 748	+0.405 115	+0.405 415	+0.405 654
2.44	+0.398 113	+0.398 527	+0.398 872	+0.399 155	+0.399 381
2.48	+0.392 097	+0.392 487	+0.392 813	+0.393 080	+0.393 292
2.52	+0.386 254	+0.386 622	+0.386 929	+0.387 181	+0.387 382
2.56	+0.380 577	+0.380 924	+0.381 214	+0.381 451	+0.381 641
2.60	+0.375 058	+0.375 386	+0.375 660	+0.375 884	+0.376 063
2.64	+0.369 692	+0.370 003	+0.370 260	+0.370 472	+0.370 642
2.68	+0.364 472	+0.364 764	+0.365 009	+0.365 210	+0.365 371
2.72	+0.359 393	+0.359 670	+0.359 902	+0.360 092	+0.360 244
2.76	+0.354 450	+0.354 712	+0.354 931	+0.355 111	+0.355 255
2.80	+0.349 636	+0.349 884	+0.350 092	+0.350 263	+0.350 399
2.84	+0.344 948	+0.345 183	+0.345 380	+0.345 542	+0.345 671
2.88	+0.340 380	+0.340 603	+0.340 789	+0.340 943	+0.341 066
2.92	+0.335 928	+0.336 140	+0.336 317	+0.336 462	+0.336 579
2.96	+0.331 588	+0.331 789	+0.331 957	+0.332 096	+0.332 206
3.00	+0.327 356	+0.327 546	+0.327 706	+0.327 838	+0.327 943
3.04	+0.323 228	+0.323 408	+0.323 560	+0.323 686	+0.323 786
3.08	+0.319 199	+0.319 371	+0.319 516	+0.319 635	+0.319 730
3.12	+0.315 268	+0.315 432	+0.315 569	+0.315 682	+0.315 773
3.16	+0.311 430	+0.311 586	+0.311 716	+0.311 826	+0.311 910
3.20	+0.307 682	+0.307 830	+0.307 955	+0.308 058	+0.308 140
3.24	+0.304 021	+0.304 163	+0.304 281	+0.304 379	+0.304 457
3.28	+0.300 444	+0.300 579	+0.300 692	+0.300 785	+0.300 860
3.32	+0.296 948	+0.297 077	+0.297 185	+0.297 274	+0.297 345
3.36	+0.293 532	+0.293 656	+0.293 757	+0.293 842	+0.293 910
3.40	+0.290 191	+0.290 308	+0.290 406	+0.290 487	+0.290 552
3.44	+0.286 924	+0.287 035	+0.287 129	+0.287 207	+0.287 269
3.48	+0.283 728	+0.283 834	+0.283 924	+0.283 998	+0.284 058
3.52	+0.280 601	+0.280 703	+0.280 788	+0.280 859	+0.280 916
3.56	+0.277 541	+0.277 638	+0.277 720	+0.277 788	+0.277 842
3.60	+0.274 546	+0.274 639	+0.274 717	+0.274 782	+0.274 834
3.64	+0.271 613	+0.271 702	+0.271 777	+0.271 839	+0.271 889
3.68	+0.268 742	+0.268 827	+0.268 898	+0.268 958	+0.269 005
3.72	+0.265 929	+0.266 010	+0.266 079	+0.266 136	+0.266 182
3.76	+0.263 174	+0.263 252	+0.263 317	+0.263 372	+0.263 416
3.80	+0.260 474	+0.260 548	+0.260 611	+0.260 664	+0.260 706
3.84	+0.257 828	+0.257 899	+0.257 960	+0.258 010	+0.258 050
3.88	+0.255 234	+0.255 303	+0.255 361	+0.255 409	+0.255 447
3.92	+0.252 691	+0.252 757	+0.252 813	+0.252 859	+0.252 896
3.96	+0.250 198	+0.250 261	+0.250 314	+0.250 358	+0.250 394
4.00	+0.247 752	+0.247 813	+0.247 864	+0.247 907	+0.247 941

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	165°	170°	175°	180°
0.01	+2.843 68	+2.897 61	+2.930 10	+2.940 96
0.02	+2.791 18	+2.842 58	+2.873 52	+2.883 87
0.03	+2.740 24	+2.789 26	+2.818 76	+2.828 61
0.04	+2.690 80	+2.737 58	+2.765 71	+2.775 09
0.05	+2.642 84	+2.687 48	+2.714 31	+2.723 25
0.06	+2.596 28	+2.638 88	+2.664 48	+2.673 01
0.07	+2.551 04	+2.591 74	+2.616 17	+2.624 32
0.08	+2.507 11	+2.546 00	+2.569 34	+2.577 10
0.09	+2.464 43	+2.501 58	+2.523 87	+2.531 29
0.10	+2.422 93	+2.458 47	+2.479 78	+2.486 85
0.11	+2.382 59	+2.416 58	+2.436 94	+2.443 71
0.12	+2.343 35	+2.375 87	+2.395 35	+2.401 83
0.13	+2.305 19	+2.336 32	+2.354 95	+2.361 15
0.14	+2.268 06	+2.297 86	+2.315 69	+2.321 63
0.15	+2.231 91	+2.260 47	+2.277 55	+2.283 23
0.16	+2.196 73	+2.224 09	+2.240 45	+2.245 89
0.17	+2.162 46	+2.188 70	+2.204 38	+2.209 58
0.18	+2.129 10	+2.154 25	+2.169 28	+2.174 27
0.19	+2.096 64	+2.120 72	+2.135 12	+2.139 92
0.20	+2.065 11	+2.088 07	+2.101 89	+2.106 48
0.21	+2.034 032	+2.056 266	+2.069 528	+2.073 933
0.22	+2.003 935	+2.025 283	+2.038 012	+2.042 242
0.23	+1.974 587	+1.995 091	+2.007 313	+2.011 373
0.24	+1.945 963	+1.965 664	+1.977 403	+1.981 303
0.25	+1.918 039	+1.936 974	+1.948 254	+1.952 000
0.26	+1.890 795	+1.908 997	+1.919 837	+1.923 438
0.27	+1.864 206	+1.881 710	+1.892 131	+1.895 593
0.28	+1.838 249	+1.855 088	+1.865 111	+1.868 438
0.29	+1.812 906	+1.829 109	+1.838 750	+1.841 952
0.30	+1.788 160	+1.803 755	+1.813 034	+1.816 112
0.31	+1.763 988	+1.779 002	+1.787 932	+1.790 896
0.32	+1.740 366	+1.754 833	+1.763 437	+1.766 285
0.33	+1.717 297	+1.731 228	+1.739 511	+1.742 258
0.34	+1.694 748	+1.708 169	+1.716 148	+1.718 792
0.35	+1.672 704	+1.685 640	+1.693 328	+1.695 880
0.36	+1.651 153	+1.663 625	+1.671 036	+1.673 494
0.37	+1.630 079	+1.642 106	+1.649 252	+1.651 620
0.38	+1.609 468	+1.621 068	+1.627 961	+1.630 247
0.39	+1.589 308	+1.600 498	+1.607 145	+1.609 350
0.40	+1.569 581	+1.580 381	+1.586 796	+1.588 922
0.41	+1.550 278	+1.560 702	+1.566 892	+1.568 945
0.42	+1.531 386	+1.541 450	+1.547 424	+1.549 407
0.43	+1.512 892	+1.522 612	+1.528 383	+1.530 295
0.44	+1.494 784	+1.504 175	+1.509 750	+1.511 595
0.45	+1.477 055	+1.486 127	+1.491 512	+1.493 296
0.46	+1.459 691	+1.468 458	+1.473 662	+1.475 386
0.47	+1.442 681	+1.451 157	+1.456 187	+1.457 852
0.48	+1.426 018	+1.434 212	+1.439 074	+1.440 684
0.49	+1.409 691	+1.417 615	+1.422 317	+1.423 873
0.50	+1.393 687	+1.401 355	+1.405 905	+1.407 408
0.51	+1.378 006	+1.385 422	+1.389 822	+1.391 277
0.52	+1.362 632	+1.369 808	+1.374 065	+1.375 474
0.53	+1.347 558	+1.354 504	+1.358 624	+1.359 988
0.54	+1.332 778	+1.339 501	+1.343 490	+1.344 810
0.55	+1.318 281	+1.324 790	+1.328 651	+1.329 932
0.56	+1.304 064	+1.310 369	+1.314 108	+1.315 346

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	165°	170°	175°	180°
0.56	+1.304 064	+1.310 369	+1.314 108	+1.315 346
0.57	+1.290 114	+1.296 223	+1.299 846	+1.301 044
0.58	+1.276 432	+1.282 348	+1.285 855	+1.287 018
0.59	+1.263 001	+1.268 736	+1.272 137	+1.273 261
0.60	+1.249 822	+1.255 380	+1.258 676	+1.259 766
0.61	+1.236 885	+1.242 273	+1.245 468	+1.246 525
0.62	+1.224 186	+1.229 411	+1.232 510	+1.233 533
0.63	+1.211 722	+1.216 785	+1.219 790	+1.220 782
0.64	+1.199 476	+1.204 390	+1.207 304	+1.208 268
0.65	+1.187 453	+1.192 221	+1.195 048	+1.195 982
0.66	+1.175 645	+1.180 271	+1.183 016	+1.183 920
0.67	+1.164 045	+1.168 534	+1.171 195	+1.172 076
0.68	+1.152 650	+1.157 007	+1.159 590	+1.160 444
0.69	+1.141 452	+1.145 683	+1.148 191	+1.149 020
0.70	+1.130 450	+1.134 558	+1.136 993	+1.137 798
0.71	+1.119 636	+1.123 626	+1.125 992	+1.126 772
0.72	+1.109 007	+1.112 883	+1.115 181	+1.115 940
0.73	+1.098 560	+1.102 325	+1.104 557	+1.105 294
0.74	+1.088 289	+1.091 947	+1.094 115	+1.094 832
0.75	+1.078 190	+1.081 744	+1.083 853	+1.084 548
0.76	+1.068 262	+1.071 714	+1.073 760	+1.074 439
0.77	+1.058 491	+1.061 851	+1.063 842	+1.064 500
0.78	+1.048 887	+1.052 152	+1.054 087	+1.054 727
0.79	+1.039 440	+1.042 613	+1.044 494	+1.045 117
0.80	+1.030 143	+1.033 230	+1.035 060	+1.035 665
0.81	+1.020 997	+1.024 000	+1.025 780	+1.026 368
0.82	+1.011 998	+1.014 919	+1.016 651	+1.017 223
0.83	+1.003 141	+1.005 984	+1.007 669	+1.008 226
0.84	+0.994 425	+0.997 191	+0.998 831	+0.999 373
0.85	+0.985 845	+0.988 538	+0.990 135	+0.990 662
0.86	+0.977 400	+0.980 022	+0.981 576	+0.982 089
0.87	+0.969 086	+0.971 638	+0.973 150	+0.973 651
0.88	+0.960 900	+0.963 385	+0.964 861	+0.965 345
0.89	+0.952 840	+0.955 260	+0.956 694	+0.957 168
0.90	+0.944 901	+0.947 259	+0.948 657	+0.949 118
0.91	+0.937 084	+0.939 381	+0.940 743	+0.941 191
0.92	+0.929 386	+0.931 622	+0.932 947	+0.933 386
0.93	+0.921 801	+0.923 980	+0.925 272	+0.925 698
0.94	+0.914 327	+0.916 452	+0.917 712	+0.918 127
0.95	+0.906 967	+0.909 037	+0.910 264	+0.910 669
0.96	+0.899 714	+0.901 732	+0.902 928	+0.903 323
0.97	+0.892 568	+0.894 533	+0.895 698	+0.896 084
0.98	+0.885 522	+0.887 440	+0.888 577	+0.888 953
0.99	+0.878 579	+0.880 451	+0.881 561	+0.881 925
1.00	+0.871 737	+0.873 562	+0.874 644	+0.875 000
1.04	+0.845 324	+0.846 976	+0.847 956	+0.848 278
1.08	+0.820 351	+0.821 851	+0.822 740	+0.823 033
1.12	+0.796 712	+0.798 075	+0.798 883	+0.799 150
1.16	+0.774 306	+0.775 548	+0.776 284	+0.776 527
1.20	+0.753 049	+0.754 179	+0.754 857	+0.755 071
1.24	+0.732 850	+0.733 884	+0.734 496	+0.734 699
1.28	+0.713 640	+0.714 588	+0.715 150	+0.715 335
1.32	+0.695 355	+0.696 223	+0.696 738	+0.696 907
1.36	+0.677 929	+0.678 725	+0.679 197	+0.679 354
1.40	+0.661 305	+0.662 038	+0.662 472	+0.662 616
1.44	+0.645 434	+0.646 108	+0.646 508	+0.646 640

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	165°	170°	175°	180°
1.44	+ 0.645 434	+ 0.646 108	+ 0.646 508	+ 0.646 640
1.48	+ 0.630 266	+ 0.630 887	+ 0.631 255	+ 0.631 378
1.52	+ 0.615 756	+ 0.616 331	+ 0.616 672	+ 0.616 784
1.56	+ 0.601 869	+ 0.602 399	+ 0.602 714	+ 0.602 818
1.60	+ 0.588 563	+ 0.589 053	+ 0.589 344	+ 0.589 440
1.64	+ 0.575 803	+ 0.576 258	+ 0.576 527	+ 0.576 617
1.68	+ 0.563 560	+ 0.563 982	+ 0.564 232	+ 0.564 315
1.72	+ 0.551 804	+ 0.552 195	+ 0.552 427	+ 0.552 504
1.76	+ 0.540 506	+ 0.540 870	+ 0.541 086	+ 0.541 157
1.80	+ 0.529 642	+ 0.529 981	+ 0.530 182	+ 0.530 248
1.84	+ 0.519 187	+ 0.519 503	+ 0.519 690	+ 0.519 752
1.88	+ 0.509 121	+ 0.509 416	+ 0.509 590	+ 0.509 648
1.92	+ 0.499 423	+ 0.499 697	+ 0.499 860	+ 0.499 914
1.96	+ 0.490 072	+ 0.490 329	+ 0.490 481	+ 0.490 531
2.00	+ 0.481 053	+ 0.481 292	+ 0.481 435	+ 0.481 482
2.04	+ 0.472 347	+ 0.472 571	+ 0.472 704	+ 0.472 748
2.08	+ 0.463 939	+ 0.464 149	+ 0.464 273	+ 0.464 315
2.12	+ 0.455 813	+ 0.456 012	+ 0.456 129	+ 0.456 167
2.16	+ 0.447 960	+ 0.448 145	+ 0.448 254	+ 0.448 291
2.20	+ 0.440 364	+ 0.440 537	+ 0.440 640	+ 0.440 674
2.24	+ 0.433 010	+ 0.433 174	+ 0.433 271	+ 0.433 303
2.28	+ 0.425 893	+ 0.426 046	+ 0.426 137	+ 0.426 167
2.32	+ 0.418 997	+ 0.419 142	+ 0.419 228	+ 0.419 256
2.36	+ 0.412 316	+ 0.412 451	+ 0.412 532	+ 0.412 558
2.40	+ 0.405 836	+ 0.405 964	+ 0.406 041	+ 0.406 066
2.44	+ 0.399 551	+ 0.399 673	+ 0.399 746	+ 0.399 768
2.48	+ 0.393 454	+ 0.393 568	+ 0.393 636	+ 0.393 658
2.52	+ 0.387 534	+ 0.387 642	+ 0.387 706	+ 0.387 727
2.56	+ 0.381 785	+ 0.381 887	+ 0.381 947	+ 0.381 967
2.60	+ 0.376 200	+ 0.376 296	+ 0.376 353	+ 0.376 372
2.64	+ 0.370 771	+ 0.370 862	+ 0.370 915	+ 0.370 934
2.68	+ 0.365 493	+ 0.365 579	+ 0.365 630	+ 0.365 647
2.72	+ 0.360 359	+ 0.360 441	+ 0.360 489	+ 0.360 505
2.76	+ 0.355 365	+ 0.355 442	+ 0.355 488	+ 0.355 503
2.80	+ 0.350 503	+ 0.350 576	+ 0.350 620	+ 0.350 634
2.84	+ 0.345 770	+ 0.345 839	+ 0.345 880	+ 0.345 894
2.88	+ 0.341 160	+ 0.341 226	+ 0.341 265	+ 0.341 278
2.92	+ 0.336 668	+ 0.336 731	+ 0.336 768	+ 0.336 780
2.96	+ 0.332 291	+ 0.332 350	+ 0.332 385	+ 0.332 398
3.00	+ 0.328 024	+ 0.328 080	+ 0.328 114	+ 0.328 125
3.04	+ 0.323 863	+ 0.323 916	+ 0.323 947	+ 0.323 959
3.08	+ 0.319 802	+ 0.319 854	+ 0.319 885	+ 0.319 895
3.12	+ 0.315 842	+ 0.315 891	+ 0.315 920	+ 0.315 930
3.16	+ 0.311 977	+ 0.312 023	+ 0.312 051	+ 0.312 060
3.20	+ 0.308 203	+ 0.308 247	+ 0.308 273	+ 0.308 282
3.24	+ 0.304 517	+ 0.304 559	+ 0.304 584	+ 0.304 593
3.28	+ 0.300 917	+ 0.300 958	+ 0.300 981	+ 0.300 989
3.32	+ 0.297 400	+ 0.297 438	+ 0.297 461	+ 0.297 469
3.36	+ 0.293 962	+ 0.293 999	+ 0.294 021	+ 0.294 028
3.40	+ 0.290 602	+ 0.290 637	+ 0.290 658	+ 0.290 665
3.44	+ 0.287 316	+ 0.287 350	+ 0.287 369	+ 0.287 376
3.48	+ 0.284 102	+ 0.284 135	+ 0.284 154	+ 0.284 160
3.52	+ 0.280 960	+ 0.280 990	+ 0.281 008	+ 0.281 014
3.56	+ 0.277 884	+ 0.277 913	+ 0.277 929	+ 0.277 936
3.60	+ 0.274 874	+ 0.274 901	+ 0.274 917	+ 0.274 924
3.64	+ 0.271 927	+ 0.271 954	+ 0.271 969	+ 0.271 975

Tafel XVI.

Leuschner's Erweiterung von Oppolzer's $\frac{1}{m}$ Tafel zur Bestimmung der geocentrischen Distanz bei ersten Bahnbestimmungen.

z \ ψ	165°	170°	175°	180°
3.64	+0.271 927	+0.271 954	+0.271 969	+0.271 975
3.68	+0.269 041	+0.269 068	+0.269 083	+0.269 088
3.72	+0.266 216	+0.266 241	+0.266 256	+0.266 261
3.76	+0.263 448	+0.263 473	+0.263 487	+0.263 491
3.80	+0.260 738	+0.260 760	+0.260 774	+0.260 778
3.84	+0.258 081	+0.258 102	+0.258 116	+0.258 120
3.88	+0.255 476	+0.255 498	+0.255 511	+0.255 514
3.92	+0.252 924	+0.252 944	+0.252 956	+0.252 960
3.96	+0.250 421	+0.250 441	+0.250 452	+0.250 456
4.00	+0.247 967	+0.247 985	+0.247 996	+0.248 000

Tafel XVII.

Enckes f-Tafel.

q	log f	Diff.	q	log f	Diff.
— 0.0300	0.5107980		— 0.0240	0.5038798	
		—1161			—1145
0.0299	0.5106819	1161	0.0239	0.5037653	1145
0.0298	0.5105658	1159	0.0238	0.5036508	1144
0.0297	0.5104499	1161	0.0237	0.5035364	1145
0.0296	0.5103338	1159	0.0236	0.5034219	1144
0.0295	0.5102179	1160	0.0235	0.5033075	1143
0.0294	0.5101019	1159	0.0234	0.5031932	1144
0.0293	0.5099860	1159	0.0233	0.5030788	1143
0.0292	0.5098701	1159	0.0232	0.5029645	1143
0.0291	0.5097542	—1158	0.0231	0.5028502	—1143
— 0.0290	0.5096384		— 0.0230	0.5027359	
		—1158			—1142
0.0289	0.5095226	1158	0.0229	0.5026217	1142
0.0288	0.5094068	1158	0.0228	0.5025075	1142
0.0287	0.5092910	1157	0.0227	0.5023933	1142
0.0286	0.5091753	1158	0.0226	0.5022791	1141
0.0285	0.5090595	1156	0.0225	0.5021650	1141
0.0284	0.5089439	1157	0.0224	0.5020509	1141
0.0283	0.5088282	1156	0.0223	0.5019368	1141
0.0282	0.5087126	1156	0.0222	0.5018227	1140
0.0281	0.5085970	—1156	0.0221	0.5017087	—1140
— 0.0280	0.5084814		— 0.0220	0.5015947	
		—1156			—1140
0.0279	0.5083658	1155	0.0219	0.5014807	1140
0.0278	0.5082503	1155	0.0218	0.5013667	1139
0.0277	0.5081348	1155	0.0217	0.5012528	1139
0.0276	0.5080193	1154	0.0216	0.5011389	1139
0.0275	0.5079039	1154	0.0215	0.5010250	1138
0.0274	0.5077885	1154	0.0214	0.5009112	1139
0.0273	0.5076731	1154	0.0213	0.5007973	1138
0.0272	0.5075577	1154	0.0212	0.5006835	1137
0.0271	0.5074423	—1153	0.0211	0.5005698	—1138
— 0.0270	0.5073270		— 0.0210	0.5004560	
		—1153			—1137
0.0269	0.5072117	1152	0.0209	0.5003423	1137
0.0268	0.5070965	1153	0.0208	0.5002286	1137
0.0267	0.5069812	1152	0.0207	0.5001149	1136
0.0266	0.5068660	1151	0.0206	0.5000013	1137
0.0265	0.5067509	1152	0.0205	0.4998876	1136
0.0264	0.5066357	1151	0.0204	0.4997740	1135
0.0263	0.5065206	1151	0.0203	0.4996605	1136
0.0262	0.5064055	1151	0.0202	0.4995469	1135
0.0261	0.5062904	—1151	0.0201	0.4994334	—1135
— 0.0260	0.5061753		— 0.0200	0.4993199	
		—1150			—1135
0.0259	0.5060603	1150	0.0199	0.4992064	1134
0.0258	0.5059453	1150	0.0198	0.4990930	1134
0.0257	0.5058303	1149	0.0197	0.4989796	1134
0.0256	0.5057154	1149	0.0196	0.4988662	1134
0.0255	0.5056005	1149	0.0195	0.4987528	1133
0.0254	0.5054856	1149	0.0194	0.4986395	1133
0.0253	0.5053707	1148	0.0193	0.4985262	1133
0.0252	0.5052559	1149	0.0192	0.4984129	1133
0.0251	0.5051410	—1147	0.0191	0.4982996	—1132
— 0.0250	0.5050263		— 0.0190	0.4981864	
		—1148			—1133
0.0249	0.5049115	1147	0.0189	0.4980731	1131
0.0248	0.5047968	1148	0.0188	0.4979600	1132
0.0247	0.5046820	1146	0.0187	0.4978468	1131
0.0246	0.5045674	1147	0.0186	0.4977337	1132
0.0245	0.5044527	1146	0.0185	0.4976205	1130
0.0244	0.5043381	1146	0.0184	0.4975075	1131
0.0243	0.5042235	1146	0.0183	0.4973944	1130
0.0242	0.5041089	1146	0.0182	0.4972814	1130
0.0241	0.5039943	—1145	0.0181	0.4971684	—1130
— 0.0240	0.5038798		— 0.0180	0.4970554	

Tafel XVII.

Enckes f-Tafel.

q	log f	Diff.	q	log f	Diff.
— 0.0180	0.4970554		— 0.0120	0.4903223	
0.0179	0.4969424	—1130	0.0119	0.4902109	—1114
0.0178	0.4968295	1129	0.0118	0.4900994	1115
0.0177	0.4967166	1129	0.0117	0.4899880	1114
0.0176	0.4966037	1129	0.0116	0.4898767	1113
0.0175	0.4964908	1129	0.0115	0.4897653	1114
0.0174	0.4963780	1128	0.0114	0.4896540	1113
0.0173	0.4962652	1128	0.0113	0.4895427	1113
0.0172	0.4961524	1128	0.0112	0.4894314	1113
0.0171	0.4960396	1128	0.0111	0.4893201	1113
— 0.0170	0.4959269	—1127	— 0.0110	0.4892089	—1112
0.0169	0.4958142	—1127	0.0109	0.4890977	—1112
0.0168	0.4957015	1127	0.0108	0.4889865	1112
0.0167	0.4955889	1126	0.0107	0.4888753	1112
0.0166	0.4954762	1127	0.0106	0.4887642	1111
0.0165	0.4953636	1126	0.0105	0.4886531	1111
0.0164	0.4952511	1125	0.0104	0.4885420	1111
0.0163	0.4951385	1126	0.0103	0.4884309	1111
0.0162	0.4950260	1125	0.0102	0.4883199	1110
0.0161	0.4949135	1125	0.0101	0.4882089	1110
— 0.0160	0.4948010	—1125	— 0.0100	0.4880979	—1110
0.0159	0.4946885	—1125	0.0099	0.4879869	—1110
0.0158	0.4945761	1124	0.0098	0.4878760	1109
0.0157	0.4944637	1124	0.0097	0.4877651	1109
0.0156	0.4943513	1124	0.0096	0.4876542	1109
0.0155	0.4942390	1123	0.0095	0.4875433	1109
0.0154	0.4941266	1124	0.0094	0.4874325	1108
0.0153	0.4940143	1123	0.0093	0.4873217	1108
0.0152	0.4939021	1122	0.0092	0.4872109	1108
0.0151	0.4937898	1123	0.0091	0.4871001	1108
— 0.0150	0.4936776	—1122	— 0.0090	0.4869894	—1107
0.0149	0.4935654	—1122	0.0089	0.4868786	—1108
0.0148	0.4934532	1122	0.0088	0.4867679	1107
0.0147	0.4933410	1122	0.0087	0.4866573	1106
0.0146	0.4932289	1121	0.0086	0.4865466	1107
0.0145	0.4931168	1121	0.0085	0.4864360	1106
0.0144	0.4930047	1121	0.0084	0.4863254	1106
0.0143	0.4928927	1120	0.0083	0.4862148	1106
0.0142	0.4927806	1121	0.0082	0.4861043	1105
0.0141	0.4926686	1120	0.0081	0.4859938	1105
— 0.0140	0.4925567	—1119	— 0.0080	0.4858833	—1105
0.0139	0.4924447	—1120	0.0079	0.4857728	—1105
0.0138	0.4923328	1119	0.0078	0.4856623	1105
0.0137	0.4922209	1119	0.0077	0.4855519	1104
0.0136	0.4921090	1119	0.0076	0.4854415	1104
0.0135	0.4919972	1118	0.0075	0.4853311	1104
0.0134	0.4918853	1119	0.0074	0.4852208	1103
0.0133	0.4917735	1118	0.0073	0.4851105	1103
0.0132	0.4916617	1118	0.0072	0.4850001	1104
0.0131	0.4915500	1117	0.0071	0.4848899	1102
— 0.0130	0.4914383	—1117	— 0.0070	0.4847796	—1103
0.0129	0.4913266	—1117	0.0069	0.4846694	—1102
0.0128	0.4912149	1117	0.0068	0.4845592	1102
0.0127	0.4911032	1117	0.0067	0.4844490	1102
0.0126	0.4909916	1116	0.0066	0.4843388	1102
0.0125	0.4908800	1116	0.0065	0.4842287	1101
0.0124	0.4907684	1116	0.0064	0.4841186	1101
0.0123	0.4906568	1116	0.0063	0.4840085	1101
0.0122	0.4905453	1115	0.0062	0.4838984	1101
0.0121	0.4904338	1115	0.0061	0.4837884	1100
— 0.0120	0.4903223	—1115	— 0.0060	0.4836784	—1100

Tafel XVII.

Enckes f-Tafel.

q	log f	Diff.	q	log f	Diff.
			0.0000	0.4771213	
— 0.0060	0.4836784	—1100	+ 0.0001	0.4770127	—1086
0.0059	0.4835684	1100	0.0002	0.4769042	1085
0.0058	0.4834584	1099	0.0003	0.4767956	1086
0.0057	0.4833485	1099	0.0004	0.4766871	1085
0.0056	0.4832386	1099	0.0005	0.4765787	1084
0.0055	0.4831287	1099	0.0006	0.4764702	1085
0.0054	0.4830188	1099	0.0007	0.4763618	1084
0.0053	0.4829089	1098	0.0008	0.4762534	1084
0.0052	0.4827991	1098	0.0009	0.4761450	1084
0.0051	0.4826893	—1098			—1083
			+ 0.0010	0.4760367	
— 0.0050	0.4825795	—1097	0.0011	0.4759284	—1083
0.0049	0.4824698	1097	0.0012	0.4758201	1083
0.0048	0.4823601	1097	0.0013	0.4757118	1083
0.0047	0.4822504	1097	0.0014	0.4756035	1083
0.0046	0.4821407	1097	0.0015	0.4754953	1082
0.0045	0.4820310	1096	0.0016	0.4753871	1082
0.0044	0.4819214	1096	0.0017	0.4752789	1082
0.0043	0.4818118	1096	0.0018	0.4751707	1082
0.0042	0.4817022	1095	0.0019	0.4750626	1081
0.0041	0.4815927	—1096			—1081
			+ 0.0020	0.4749545	
— 0.0040	0.4814831	—1095	0.0021	0.4748464	—1081
0.0039	0.4813736	1095	0.0022	0.4747383	1081
0.0038	0.4812641	1094	0.0023	0.4746303	1080
0.0037	0.4811547	1095	0.0024	0.4745222	1081
0.0036	0.4810452	1094	0.0025	0.4744142	1080
0.0035	0.4809358	1094	0.0026	0.4743063	1079
0.0034	0.4808264	1093	0.0027	0.4741983	1080
0.0033	0.4807171	1094	0.0028	0.4740904	1079
0.0032	0.4806077	1093	0.0029	0.4739825	1079
0.0031	0.4804984	—1093			—1079
			+ 0.0030	0.4738746	
— 0.0030	0.4803891	—1093	0.0031	0.4737667	—1079
0.0029	0.4802798	1092	0.0032	0.4736589	1078
0.0028	0.4801706	1093	0.0033	0.4735511	1078
0.0027	0.4800613	1092	0.0034	0.4734433	1078
0.0026	0.4799521	1091	0.0035	0.4733355	1078
0.0025	0.4798430	1092	0.0036	0.4732278	1077
0.0024	0.4797338	1091	0.0037	0.4731201	1077
0.0023	0.4796247	1091	0.0038	0.4730124	1077
0.0022	0.4795156	1091	0.0039	0.4729047	1077
0.0021	0.4794065	—1091			—1077
			+ 0.0040	0.4727970	
— 0.0020	0.4792974	—1090	0.0041	0.4726894	—1076
0.0019	0.4791884	1090	0.0042	0.4725818	1076
0.0018	0.4790794	1090	0.0043	0.4724742	1076
0.0017	0.4789704	1089	0.0044	0.4723666	1076
0.0016	0.4788615	1090	0.0045	0.4722591	1075
0.0015	0.4787525	1089	0.0046	0.4721516	1075
0.0014	0.4786436	1089	0.0047	0.4720441	1075
0.0013	0.4785347	1089	0.0048	0.4719366	1075
0.0012	0.4784258	1088	0.0049	0.4718292	1074
0.0011	0.4783170	—1088			—1074
			+ 0.0050	0.4717218	
— 0.0010	0.4782082	—1088	0.0051	0.4716144	— 1074
0.0009	0.4780994	1088	0.0052	0.4715070	1074
0.0008	0.4779906	1088	0.0053	0.4713997	1073
0.0007	0.4778818	1087	0.0054	0.4712923	1074
0.0006	0.4777731	1087	0.0055	0.4711850	1073
0.0005	0.4776644	1087	0.0056	0.4710777	1073
0.0004	0.4775557	1086	0.0057	0.4709705	1072
0.0003	0.4774471	1087	0.0058	0.4708632	1073
0.0002	0.4773384	1086	0.0059	0.4707560	1072
0.0001	0.4772298	—1085			—1072
0.0000	0.4771213		+ 0.0060	0.4706488	

Tafel XVII.

Enckes f-Tafel.

q	log f	Diff.	q	log f	Diff.
+ 0.0060	0.4706488		+ 0.0120	0.4642590	
0.0061	0.4705417	—1071	0.0121	0.4641532	—1058
0.0062	0.4704345	1072	0.0122	0.4640474	1058
0.0063	0.4703274	1071	0.0123	0.4639417	1057
0.0064	0.4702203	1071	0.0124	0.4638359	1058
0.0065	0.4701132	1071	0.0125	0.4637302	1057
0.0066	0.4700062	1070	0.0126	0.4636245	1057
0.0067	0.4698991	1071	0.0127	0.4635188	1057
0.0068	0.4697921	1070	0.0128	0.4634132	1056
0.0069	0.4696851	1070	0.0129	0.4633076	1056
+ 0.0070	0.4695782	—1069	+ 0.0130	0.4632020	—1056
0.0071	0.4694712	—1070	0.0131	0.4630964	—1056
0.0072	0.4693643	1069	0.0132	0.4629908	1056
0.0073	0.4692574	1069	0.0133	0.4628853	1055
0.0074	0.4691506	1068	0.0134	0.4627798	1055
0.0075	0.4690437	1069	0.0135	0.4626743	1055
0.0076	0.4689369	1068	0.0136	0.4625688	1055
0.0077	0.4688301	1068	0.0137	0.4624633	1055
0.0078	0.4687233	1068	0.0138	0.4623579	1054
0.0079	0.4686166	1067	0.0139	0.4622525	1054
+ 0.0080	0.4685098	—1068	+ 0.0140	0.4621471	—1054
0.0081	0.4684031	—1067	0.0141	0.4620417	—1054
0.0082	0.4682964	1067	0.0142	0.4619364	1053
0.0083	0.4681898	1066	0.0143	0.4618311	1053
0.0084	0.4680831	1067	0.0144	0.4617258	1053
0.0085	0.4679765	1066	0.0145	0.4616205	1053
0.0086	0.4678699	1066	0.0146	0.4615153	1052
0.0087	0.4677633	1066	0.0147	0.4614100	1053
0.0088	0.4676568	1065	0.0148	0.4613048	1052
0.0089	0.4675502	1066	0.0149	0.4611996	1052
+ 0.0090	0.4674437	—1065	+ 0.0150	0.4610945	—1051
0.0091	0.4673372	—1065	0.0151	0.4609893	—1052
0.0092	0.4672308	1064	0.0152	0.4608842	1051
0.0093	0.4671243	1065	0.0153	0.4607791	1051
0.0094	0.4670179	1064	0.0154	0.4606741	1050
0.0095	0.4669115	1064	0.0155	0.4605690	1051
0.0096	0.4668052	1063	0.0156	0.4604640	1050
0.0097	0.4666988	1064	0.0157	0.4603590	1050
0.0098	0.4665925	1063	0.0158	0.4602540	1050
0.0099	0.4664862	1063	0.0159	0.4601490	1050
+ 0.0100	0.4663799	—1063	+ 0.0160	0.4600441	—1049
0.0101	0.4662737	—1062	0.0161	0.4599392	—1049
0.0102	0.4661674	1063	0.0162	0.4598343	1049
0.0103	0.4660612	1062	0.0163	0.4597294	1049
0.0104	0.4659550	1062	0.0164	0.4596245	1049
0.0105	0.4658488	1062	0.0165	0.4595197	1048
0.0106	0.4657427	1061	0.0166	0.4594149	1048
0.0107	0.4656366	1061	0.0167	0.4593101	1048
0.0108	0.4655305	1061	0.0168	0.4592053	1048
0.0109	0.4654244	1061	0.0169	0.4591006	1047
+ 0.0110	0.4653183	—1061	+ 0.0170	0.4589959	—1047
0.0111	0.4652123	—1060	0.0171	0.4588912	—1047
0.0112	0.4651063	1060	0.0172	0.4587865	1047
0.0113	0.4650003	1060	0.0173	0.4586818	1047
0.0114	0.4648944	1059	0.0174	0.4585772	1046
0.0115	0.4647884	1060	0.0175	0.4584726	1046
0.0116	0.4646825	1059	0.0176	0.4583680	1046
0.0117	0.4645766	1059	0.0177	0.4582634	1046
0.0118	0.4644707	1059	0.0178	0.4581589	1045
0.0119	0.4643649	1058	0.0179	0.4580544	1045
+ 0.0120	0.4642590	—1059	+ 0.0180	0.4579499	—1045

Tafel XVII.

Enckes *f*-Tafel.

q	log *f*	Diff.	*q*	log *f*	Diff.
+ 0.0180	0.4579499		+ 0.0240	0.4517194	
		−1045			−1032
0.0181	0.4578454	1045	0.0241	0.4516162	1032
0.0182	0.4577409	1044	0.0242	0.4515130	1031
0.0183	0.4576365	1044	0.0243	0.4514099	1031
0.0184	0.4575321	1044	0.0244	0.4513068	1031
0.0185	0.4574277	1044	0.0245	0.4512037	1031
0.0186	0.4573233	1044	0.0246	0.4511006	1031
0.0187	0.4572189	1043	0.0247	0.4509975	1030
0.0188	0.4571146	1043	0.0248	0.4508945	1030
0.0189	0.4570103	−1043	0.0249	0.4507915	−1030
+ 0.0190	0.4569060		+ 0.0250	0.4506885	
		−1042			−1030
0.0191	0.4568018	1043	0.0251	0.4505855	1030
0.0192	0.4566975	1042	0.0252	0.4504825	1029
0.0193	0.4565933	1042	0.0253	0.4503796	1029
0.0194	0.4564891	1042	0.0254	0.4502767	1029
0.0195	0.4563849	1041	0.0255	0.4501738	1028
0.0196	0.4562808	1042	0.0256	0.4500710	1029
0.0197	0.4561766	1041	0.0257	0.4499681	1028
0.0198	0.4560725	1041	0.0258	0.4498653	1028
0.0199	0.4559684	−1040	0.0259	0.4497625	−1028
+ 0.0200	0.4558644		+ 0.0260	0.4496597	
		−1041			− 1028
0.0201	0.4557603	1040	0.0261	0.4495569	1027
0.0202	0.4556563	1040	0.0262	0.4494542	1027
0.0203	0.4555523	1040	0.0263	0.4493515	1027
0.0204	0.4554483	1039	0.0264	0.4492488	1027
0.0205	0.4553444	1040	0.0265	0.4491461	1026
0.0206	0.4552404	1039	0.0266	0.4490435	1027
0.0207	0.4551365	1039	0.0267	0.4489408	1026
0.0208	0.4550326	1039	0.0268	0.4488382	1026
0.0209	0.4549287	−1038	0.0269	0.4487356	−1025
+ 0.0210	0.4548249		+ 0.0270	0.4486331	
		−1038			−1026
0.0211	0.4547211	1038	0.0271	0.4485305	1025
0.0212	0.4546173	1038	0.0272	0.4484280	1025
0.0213	0.4545135	1038	0.0273	0.4483255	1025
0.0214	0.4544097	1037	0.0274	0.4482230	1025
0.0215	0.4543060	1038	0.0275	0.4481205	1024
0.0216	0.4542022	1037	0.0276	0.4480181	1024
0.0217	0.4540985	1036	0.0277	0.4479157	1025
0.0218	0.4539949	1037	0.0278	0.4478132	1023
0.0219	0.4538912	−1036	0.0279	0.4477109	−1024
+ 0.0220	0.4537876		+ 0.0280	0.4476085	
		−1036			−1023
0.0221	0.4536840	1036	0.0281	0.4475062	1023
0.0222	0.4535804	1035	0.0282	0.4474039	1023
0.0223	0.4534768	1036	0.0283	0.4473016	1023
0.0224	0.4533732	1035	0.0284	0.4471993	1023
0.0225	0.4532697	1035	0.0285	0.4470970	1022
0.0226	0.4531662	1035	0.0286	0.4469948	1022
0.0227	0.4530627	1034	0.0287	0.4468926	1022
0.0228	0.4529593	1035	0.0288	0.4467904	1022
0.0229	0.4528558	−1034	0.0289	0.4466882	−1021
+ 0.0230	0.4527524		+ 0.0290	0.4465861	
		−1034			−1022
0.0231	0.4526490	1034	0.0291	0.4464839	1021
0.0232	0.4525456	1033	0.0292	0.4463818	1021
0.0233	0.4524423	1034	0.0293	0.4462797	1020
0.0234	0.4523389	1033	0.0294	0.4461777	1021
0.0235	0.4522356	1033	0.0295	0.4460756	1020
0.0236	0.4521323	1032	0.0296	0.4459736	1020
0.0237	0.4520291	1033	0.0297	0.4458716	1020
0.0238	0.4519258	1032	0.0298	0.4457696	1019
0.0239	0.4518226	−1032	0.0299	0.4456677	−1020
+ 0.0240	0.4517194		+ 0.0300	0.4455657	

Tafel XVIII.

Tafel der Quadrate der Zahlen von 0.000 bis 3.000.

N	*N*² 0	1	2	3	4	5	6	7	8	9	*P. P.*
0.00	0.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	0 1 1 0.0 0.1 2 0.0 0.2 3 0.0 0.3 4 0.0 0.4 5 0.0 0.5 6 0.0 0.6 7 0.0 0.7 8 0.0 0.8 9 0.0 0.9
0.01	.0001	.0001	.0001	.0002	.0002	.0002	.0003	.0003	.0003	.0004	
0.02	.0004	.0004	.0005	.0005	.0006	.0006	.0007	.0007	.0008	.0008	
0.03	.0009	.0010	.0010	.0011	.0012	.0012	.0013	.0014	.0014	.0015	
0.04	.0016	.0017	.0018	.0018	.0019	.0020	.0021	.0022	.0023	.0024	
0.05	0.0025	.0026	.0027	.0028	.0029	.0030	.0031	.0032	.0034	.0035	
0.06	.0036	.0037	.0038	.0040	.0041	.0042	.0044	.0045	.0046	.0048	
0.07	.0049	.0050	.0052	.0053	.0055	.0056	.0058	.0059	.0061	.0062	
0.08	.0064	.0066	.0067	.0069	.0071	.0072	.0074	.0076	.0077	.0079	
0.09	.0081	.0083	.0085	.0086	.0088	.0090	.0092	.0094	.0096	.0098	2 3 1 0.2 0.3 2 0.4 0.6 3 0.6 0.9 4 0.8 1.2 5 1.0 1.5 6 1.2 1.8 7 1.4 2.1 8 1.6 2.4 9 1.8 2.7
0.10	0.0100	.0102	.0104	.0106	.0108	.0110	.0112	.0114	.0117	.0119	
0.11	.0121	.0123	.0125	.0128	.0130	.0132	.0135	.0137	.0139	.0142	
0.12	.0144	.0146	.0149	.0151	.0154	.0156	.0159	.0161	.0164	.0166	
0.13	.0169	.0172	.0174	.0177	.0180	.0182	.0185	.0188	.0190	.0193	
0.14	.0196	.0199	.0202	.0204	.0207	.0210	.0213	.0216	.0219	.0222	
0.15	0.0225	.0228	.0231	.0234	.0237	.0240	.0243	.0246	.0250	.0253	
0.16	.0256	.0259	.0262	.0266	.0269	.0272	.0276	.0279	.0282	.0286	
0.17	.0289	.0292	.0296	.0299	.0303	.0306	.0310	.0313	.0317	.0320	4 5 **1 0.4 0.5** **2 0.8 1.0** **3 1.2 1.5** 4 1.6 2.0 5 2.0 2.5 6 2.4 3.0 7 2.8 3.5 8 3.2 4.0 9 3.6 4.5
0.18	.0324	.0328	.0331	.0335	.0339	.0342	.0346	.0350	.0353	.0357	
0.19	.0361	.0365	.0369	.0372	.0376	.0380	.0384	.0388	.0392	.0396	
0.20	0.0400	.0404	.0408	.0412	.0416	.0420	.0424	.0428	.0433	.0437	
0.21	.0441	.0445	.0449	.0454	.0458	.0462	.0467	.0471	.0475	.0480	
0.22	.0484	.0488	.0493	.0497	.0502	.0506	.0511	.0515	.0520	.0524	
0.23	.0529	.0534	.0538	.0543	.0548	.0552	.0557	.0562	.0566	.0571	
0.24	.0576	.0581	.0586	.0590	.0595	.0600	.0605	.0610	.0615	.0620	
0.25	0.0625	.0630	.0635	.0640	.0645	.0650	.0655	.0660	.0666	.0671	
0.26	.0676	.0681	.0686	.0692	.0697	.0702	.0708	.0713	.0718	.0724	6 7 1 0.6 0.7 2 1.2 1.4 3 1.8 2.1 4 2.4 2.8 5 3.0 3.5 6 3.6 4.2 7 4.2 4.9 8 4.8 5.6 9 5.4 6.3
0.27	.0729	.0734	.0740	.0745	.0751	.0756	.0762	.0767	.0773	.0778	
0.28	.0784	.0790	.0795	.0801	.0807	.0812	.0818	.0824	.0829	.0835	
0.29	.0841	.0847	.0853	.0858	.0864	.0870	.0876	.0882	.0888	.0894	
0.30	0.0900	.0906	.0912	.0918	.0924	.0930	.0936	.0942	.0949	.0955	
0.31	.0961	.0967	.0973	.0980	.0986	.0992	.0999	.1005	.1011	.1018	
0.32	.1024	.1030	.1037	.1043	.1050	.1056	.1063	.1069	.1076	.1082	
0.33	.1089	.1096	.1102	.1109	.1116	.1122	.1129	.1136	.1142	.1149	
0.34	.1156	.1163	.1170	.1176	.1183	.1190	.1197	.1204	.1211	.1218	8 9 1 0.8 0.9 2 1.6 1.8 3 2.4 2.7 4 3.2 3.6 5 4.0 4.5 6 4.8 5.4 7 5.6 6.3 8 6.4 7.2 9 7.2 8.1
0.35	0.1225	.1232	.1239	.1246	.1253	.1260	.1267	.1274	.1282	.1289	
0.36	.1296	.1303	.1310	.1318	.1325	.1332	.1340	.1347	.1354	.1362	
0.37	.1369	.1376	.1384	.1391	.1399	.1406	.1414	.1421	.1429	.1436	
0.38	.1444	.1452	.1459	.1467	.1475	.1482	.1490	.1498	.1505	.1513	
0.39	.1521	.1529	.1537	.1544	.1552	.1560	.1568	.1576	.1584	.1592	
0.40	0.1600	.1608	.1616	.1624	.1632	.1640	.1648	.1656	.1665	.1673	
0.41	.1681	.1689	.1697	.1706	.1714	.1722	.1731	.1739	.1747	.1756	
0.42	.1764	.1772	.1781	.1789	.1798	.1806	.1815	.1823	.1832	.1840	
0.43	.1849	.1858	.1866	.1875	.1884	.1892	.1901	.1910	.1918	.1927	10 11 1 1.0 1.1 2 2.0 2.2 3 3.0 3.3 4 4.0 4.4 5 5.0 5.5 6 6.0 6.6 7 7.0 7.7 8 8.0 8.8 9 9.0 9.9
0.44	.1936	.1945	.1954	.1962	.1971	.1980	.1989	.1998	.2007	.2016	
0.45	0.2025	.2034	.2043	.2052	.2061	.2070	.2079	.2088	.2098	.2107	
0.46	.2116	.2125	.2134	.2144	.2153	.2162	.2172	.2181	.2190	.2200	
0.47	.2209	.2218	.2228	.2237	.2247	.2256	.2266	.2275	.2285	.2294	
0.48	.2304	.2314	.2323	.2333	.2343	.2352	.2362	.2372	.2381	.2391	
0.49	.2401	.2411	.2421	.2430	.2440	.2450	.2460	.2470	.2480	.2490	
0.50	0.2500	.2510	.2520	.2530	.2540	.2550	.2560	.2570	.2581	.2591	
N	*N*² 0	1	2	3	4	5	6	7	8	9	*P. P.*

Tafel XVIII.

Tafel der Quadrate der Zahlen von 0.000 bis 3.000.

N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.
0.50	0.2500	.2510	.2520	.2530	.2540	.2550	.2560	.2570	.2581	.2591	10 11 1 1.0 1.1 2 2.0 2.2 3 3.0 3.3 4 4.0 4.4 5 5.0 5.5 6 6.0 6.6 7 7.0 7.7 8 8.0 8.8 9 9.0 9.9
0.51	.2601	.2611	.2621	.2632	.2642	.2652	.2663	.2673	.2683	.2694	
0.52	.2704	.2714	.2725	.2735	.2746	.2756	.2767	.2777	.2788	.2798	
0.53	.2809	.2820	.2830	.2841	.2852	.2862	.2873	.2884	.2894	.2905	
0.54	.2916	.2927	.2938	.2948	.2959	.2970	.2981	.2992	.3003	.3014	
0.55	0.3025	.3036	.3047	.3058	.3069	.3080	.3091	.3102	.3114	.3125	
0.56	.3136	.3147	.3158	.3170	.3181	.3192	.3204	.3215	.3226	.3238	
0.57	.3249	.3260	.3272	.3283	.3295	.3306	.3318	.3329	.3341	.3352	
0.58	.3364	.3376	.3387	.3399	.3411	.3422	.3434	.3446	.3457	.3469	
0.59	.3481	.3493	.3505	.3516	.3528	.3540	.3552	.3564	.3576	.3588	12 13 1 1.2 1.3 2 2.4 2.6 3 3.6 3.9 4 4.8 5.2 5 6.0 6.5 6 7.2 7.8 7 8.4 9.1 8 9.6 10.4 9 10.8 11.7
0.60	0.3600	.3612	.3624	.3636	.3648	.3660	.3672	.3684	.3697	.3709	
0.61	.3721	.3733	.3745	.3758	.3770	.3782	.3795	.3807	.3819	.3832	
0.62	.3844	.3856	.3869	.3881	.3894	.3906	.3919	.3931	.3944	.3956	
0.63	.3969	.3982	.3994	.4007	.4020	.4032	.4045	.4058	.4070	.4083	
0.64	.4096	.4109	.4122	.4134	.4147	.4160	.4173	.4186	.4199	.4212	
0.65	0.4225	.4238	.4251	.4264	.4277	.4290	.4303	.4316	.4330	.4343	
0.66	.4356	.4369	.4382	.4396	.4409	.4422	.4436	.4449	.4462	.4476	
0.67	.4489	.4502	.4516	.4529	.4543	.4556	.4570	.4583	.4597	.4610	14 15 1 1.4 1.5 2 2.8 3.0 3 4.2 4.5 4 5.6 6.0 5 7.0 7.5 6 8.4 9.0 7 9.8 10.5 8 11.2 12.0 9 12.6 13.5
0.68	.4624	.4638	.4651	.4665	.4679	.4692	.4706	.4720	.4733	.4747	
0.69	.4761	.4775	.4789	.4802	.4816	.4830	.4844	.4858	.4872	.4886	
0.70	0.4900	.4914	.4928	.4942	.4956	.4970	.4984	.4998	.5013	.5027	
0.71	.5041	.5055	.5069	.5084	.5098	.5112	.5127	.5141	.5155	.5170	
0.72	.5184	.5198	.5213	.5227	.5242	.5256	.5271	.5285	.5300	.5314	
0.73	.5329	.5344	.5358	.5373	.5388	.5402	.5417	.5432	.5446	.5461	
0.74	.5476	.5491	.5506	.5520	.5535	.5550	.5565	.5580	.5595	.5610	
0.75	0.5625	.5640	.5655	.5670	.5685	.5700	.5715	.5730	.5746	.5761	
0.76	.5776	.5791	.5806	.5822	.5837	.5852	.5868	.5883	.5898	.5914	16 17 1 1.6 1.7 2 3.2 3.4 3 4.8 5.1 4 6.4 6.8 5 8.0 8.5 6 9.6 10.2 7 11.2 11.9 8 12.8 13.6 9 14.4 15.3
0.77	.5929	.5944	.5960	.5975	.5991	.6006	.6022	.6037	.6053	.6068	
0.78	.6084	.6100	.6115	.6131	.6147	.6162	.6178	.6194	.6209	.6225	
0.79	.6241	.6257	.6273	.6288	.6304	.6320	.6336	.6352	.6368	.6384	
0.80	0.6400	.6416	.6432	.6448	.6464	.6480	.6496	.6512	.6529	.6545	
0.81	.6561	.6577	.6593	.6610	.6626	.6642	.6659	.6675	.6691	.6708	
0.82	.6724	.6740	.6757	.6773	.6790	.6806	.6823	.6839	.6856	.6872	
0.83	.6889	.6906	.6922	.6939	.6956	.6972	.6989	.7006	.7022	.7039	
0.84	.7056	.7073	.7090	.7106	.7123	.7140	.7157	.7174	.7191	.7208	
0.85	0.7225	.7242	.7259	.7276	.7293	.7310	.7327	.7344	.7362	.7379	
0.86	.7396	.7413	.7430	.7448	.7465	.7482	.7500	.7517	.7534	.7552	
0.87	.7569	.7586	.7604	.7621	.7639	.7656	.7674	.7691	.7709	.7726	
0.88	.7744	.7762	.7779	.7797	.7815	.7832	.7850	.7868	.7885	.7903	
0.89	.7921	.7939	.7957	.7974	.7992	.8010	.8028	.8046	.8064	.8082	18 19 1 1.8 1.9 2 3.6 3.8 3 5.4 5.7 4 7.2 7.6 5 9.0 9.5 6 10.8 11.4 7 12.6 13.3 8 14.4 15.2 9 16.2 17.1
0.90	0.8100	.8118	.8136	.8154	.8172	.8190	.8208	.8226	.8245	.8263	
0.91	.8281	.8299	.8317	.8336	.8354	.8372	.8391	.8409	.8427	.8446	
0.92	.8464	.8482	.8501	.8519	.8538	.8556	.8575	.8593	.8612	.8630	
0.93	.8649	.8668	.8686	.8705	.8724	.8742	.8761	.8780	.8798	.8817	
0.94	.8836	.8855	.8874	.8892	.8911	.8930	.8949	.8968	.8987	.9006	
0.95	0.9025	.9044	.9063	.9082	.9101	.9120	.9139	.9158	.9178	.9197	
0.96	.9216	.9235	.9254	.9274	.9293	.9312	.9332	.9351	.9370	.9390	
0.97	.9409	.9428	.9448	.9467	.9487	.9506	.9526	.9545	.9565	.9584	20 21 1 2.0 2.1 2 4.0 4.2 3 6.0 6.3 4 8.0 8.4 5 10.0 10.5 6 12.0 12.6 7 14.0 14.7 8 16.0 16.8 9 18.0 18.9
0.98	.9604	.9624	.9643	.9663	.9683	.9702	.9722	.9742	.9761	.9781	
0.99	0.9801	.9821	.9841	.9860	.9880	.9900	.9920	.9940	.9960	.9980	
1.00	1.0000	.0020	.0040	.0060	.0080	.0100	.0120	.0140	.0161	.0181	
N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.

Tafel XVIII.

Tafel der Quadrate der Zahlen von 0.000 bis 3.000.

N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.
1.00	1.0000	.0020	.0040	.0060	.0080	.0100	.0120	.0140	.0161	.0181	20 21
1.01	.0201	.0221	.0241	.0262	.0282	.0302	.0323	.0343	.0363	.0384	1 2.0 2.1
1.02	.0404	.0424	.0445	.0465	.0486	.0506	.0527	.0547	.0568	.0588	2 4.0 4.2
1.03	.0609	.0630	.0650	.0671	.0692	.0712	.0733	.0754	.0774	.0795	3 6.0 6.3
1.04	.0816	.0837	.0858	.0878	.0899	.0920	.0941	.0962	.0983	.1004	4 8.0 8.4
1.05	1.1025	.1046	.1067	.1088	.1109	.1130	.1151	.1172	.1194	.1215	5 10.0 10.5
1.06	.1236	.1257	.1278	.1300	.1321	.1342	.1364	.1385	.1406	.1428	6 12.0 12.6
1.07	.1449	.1470	.1492	.1513	.1535	.1556	.1578	.1599	.1621	.1642	7 14.0 14.7
1.08	.1664	.1686	.1707	.1729	.1751	.1772	.1794	.1816	.1837	.1859	8 16.0 16.8
1.09	.1881	.1903	.1925	.1946	.1968	.1990	.2012	.2034	.2056	.2078	9 18.0 18.9
1.10	1.2100	.2122	.2144	.2166	.2188	.2210	.2232	.2254	.2277	.2299	22 23
1.11	.2321	.2343	.2365	.2388	.2410	.2432	.2455	.2477	.2499	.2522	1 2.2 2.3
1.12	.2544	.2566	.2589	.2611	.2634	.2656	.2679	.2701	.2724	.2746	2 4.4 4.6
1.13	.2769	.2792	.2814	.2837	.2860	.2882	.2905	.2928	.2950	.2973	3 6.6 6.9
1.14	.2996	.3019	.3042	.3064	.3087	.3110	.3133	.3156	.3179	.3202	4 8.8 9.2
1.15	1.3225	.3248	.3271	.3294	.3317	.3340	.3363	.3386	.3410	.3433	5 11.0 11.5
1.16	.3456	.3479	.3502	.3526	.3549	.3572	.3596	.3619	.3642	.3666	6 13.2 13.8
1.17	.3689	.3712	.3736	.3759	.3783	.3806	.3830	.3853	.3877	.3900	7 15.4 16.1
1.18	.3924	.3948	.3971	.3995	.4019	.4042	.4066	.4090	.4113	.4137	8 17.6 18.4
1.19	.4161	.4185	.4209	.4232	.4256	.4280	.4304	.4328	.4352	.4376	9 19.8 20.7
1.20	1.4400	.4424	.4448	.4472	.4496	.4520	.4544	.4568	.4593	.4617	24 25
1.21	.4641	.4665	.4689	.4714	.4738	.4762	.4787	.4811	.4835	.4860	1 2.4 2.5
1.22	.4884	.4908	.4933	.4957	.4982	.5006	.5031	.5055	.5080	.5104	2 4.8 5.0
1.23	.5129	.5154	.5178	.5203	.5228	.5252	.5277	.5302	.5326	.5351	3 7.2 7.5
1.24	.5376	.5401	.5426	.5450	.5475	.5500	.5525	.5550	.5575	.5600	4 9.6 10.0
1.25	1.5625	.5650	.5675	.5700	.5725	.5750	.5775	.5800	.5826	.5851	5 12.0 12.5
1.26	.5876	.5901	.5926	.5952	.5977	.6002	.6028	.6053	.6078	.6104	6 14.4 15.0
1.27	.6129	.6154	.6180	.6205	.6231	.6256	.6282	.6307	.6333	.6358	7 16.8 17.5
1.28	.6384	.6410	.6435	.6461	.6487	.6512	.6538	.6564	.6589	.6615	8 19.2 20.0
1.29	.6641	.6667	.6693	.6718	.6744	.6770	.6796	.6822	.6848	.6874	9 21.6 22.5
1.30	1.6900	.6926	.6952	.6978	.7004	.7030	.7056	.7082	.7109	.7135	26 27
1.31	.7161	.7187	.7213	.7240	.7266	.7292	.7319	.7345	.7371	.7398	1 2.6 2.7
1.32	.7424	.7450	.7477	.7503	.7530	.7556	.7583	.7609	.7636	.7662	2 5.2 5.4
1.33	.7689	.7716	.7742	.7769	.7796	.7822	.7849	.7876	.7902	.7929	3 7.8 8.1
1.34	.7956	.7983	.8010	.8036	.8063	.8090	.8117	.8144	.8171	.8198	4 10.4 10.8
1.35	1.8225	.8252	.8279	.8306	.8333	.8360	.8387	.8414	.8442	.8469	5 13.0 13.5
1.36	.8496	.8523	.8550	.8578	.8605	.8632	.8660	.8687	.8714	.8742	6 15.6 16.2
1.37	.8769	.8796	.8824	.8851	.8879	.8906	.8934	.8961	.8989	.9016	7 18.2 18.9
1.38	.9044	.9072	.9099	.9127	.9155	.9182	.9210	.9238	.9265	.9293	8 20.8 21.6
1.39	.9321	.9349	.9377	.9404	.9432	.9460	.9488	.9516	.9544	.9572	9 23.4 24.3
1.40	1.9600	.9628	.9656	.9684	.9712	.9740	.9768	.9796	.9825	.9853	28 29
1.41	1.9881	.9909	.9937	.9966	.9994	2.0022	.0051	.0079	.0107	.0136	1 2.8 2.9
1.42	2.0164	.0192	.0221	.0249	.0278	.0306	.0335	.0363	.0392	.0420	2 5.6 5.8
1.43	.0449	.0478	.0506	.0535	.0564	.0592	.0621	.0650	.0678	.0707	3 8.4 8.7
1.44	.0736	.0765	.0794	.0822	.0851	.0880	.0909	.0938	.0967	.0996	4 11.2 11.6
1.45	2.1025	.1054	.1083	.1112	.1141	.1170	.1199	.1228	.1258	.1287	5 14.0 14.5
1.46	.1316	.1345	.1374	.1404	.1433	.1462	.1492	.1521	.1550	.1580	6 16.8 17.4
1.47	.1609	.1638	.1668	.1697	.1727	.1756	.1786	.1815	.1845	.1874	7 19.6 20.3
1.48	.1904	.1934	.1963	.1993	.2023	.2052	.2082	.2112	.2141	.2171	8 22.4 23.2
1.49	.2201	.2231	.2261	.2290	.2320	.2350	.2380	.2410	.2440	.2470	9 25.2 26.1
1.50	2.2500	.2530	.2560	.2590	.2620	.2650	.2680	.2710	.2741	.2771	30 31
											1 3.0 3.1
											2 6.0 6.2
											3 9.0 9.3
											4 12.0 12.4
											5 15.0 15.5
											6 18.0 18.6
											7 21.0 21.7
											8 24.0 24.8
											9 27.0 27.9
N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.

Tafel XVIII.

Tafel der Quadrate der Zahlen von 0.000 bis 3.000.

N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.
1.50	2.2500	.2530	.2560	.2590	.2620	.2650	.2680	.2710	.2741	.2771	30 31
1.51	.2801	.2831	.2861	.2892	.2922	.2952	.2983	.3013	.3043	.3074	1 3.0 3.1
1.52	.3104	.3134	.3165	.3195	.3226	.3256	.3287	.3317	.3348	.3378	2 6.0 6.2
1.53	.3409	.3440	.3470	.3501	.3532	.3562	.3593	.3624	.3654	.3685	3 9.0 9.3
1.54	.3716	.3747	.3778	.3808	.3839	.3870	.3901	.3932	.3963	.3994	4 12.0 12.4
1.55	2.4025	.4056	.4087	.4118	.4149	.4180	.4211	.4242	.4274	.4305	5 15.0 15.5
1.56	.4336	.4367	.4398	.4430	.4461	.4492	.4524	.4555	.4586	.4618	6 18.0 18.6
1.57	.4649	.4680	.4712	.4743	.4775	.4806	.4838	.4869	.4901	.4932	7 21.0 21.7
1.58	.4964	.4996	.5027	.5059	.5091	.5122	.5154	.5186	.5217	.5249	8 24.0 24.8
1.59	.5281	.5313	.5345	.5376	.5408	.5440	.5472	.5504	.5536	.5568	9 27.0 27.9
1.60	2.5600	.5632	.5664	.5696	.5728	.5760	.5792	.5824	.5857	.5889	32 33
1.61	.5921	.5953	.5985	.6018	.6050	.6082	.6115	.6147	.6179	.6212	1 3.2 3.3
1.62	.6244	.6276	.6309	.6341	.6374	.6406	.6439	.6471	.6504	.6536	2 6.4 6.6
1.63	.6569	.6602	.6634	.6667	.6700	.6732	.6765	.6798	.6830	.6863	3 9.6 9.9
1.64	.6896	.6929	.6962	.6994	.7027	.7060	.7093	.7126	.7159	.7192	4 12.8 13.2
1.65	2.7225	.7258	.7291	.7324	.7357	.7390	.7423	.7456	.7490	.7523	5 16.0 16.5
1.66	.7556	.7589	.7622	.7656	.7689	.7722	.7756	.7789	.7822	.7856	6 19.2 19.8
1.67	.7889	.7922	.7956	.7989	.8023	.8056	.8090	.8123	.8157	.8190	7 22.4 23.1
1.68	.8224	.8258	.8291	.8325	.8359	.8392	.8426	.8460	.8493	.8527	8 25.6 26.4
1.69	.8561	.8595	.8629	.8662	.8696	.8730	.8764	.8798	.8832	.8866	9 28.8 29.7
1.70	2.8900	.8934	.8968	.9002	.9036	.9070	.9104	.9138	.9173	.9207	34 35
1.71	.9241	.9275	.9309	.9344	.9378	.9412	.9447	.9481	.9515	.9550	1 3.4 3.5
1.72	.9584	.9618	.9653	.9687	.9722	.9756	.9791	.9825	.9860	.9894	2 6.8 7.0
1.73	2.9929	.9964	.9998	3.0033	.0068	.0102	.0137	.0172	.0206	.0241	3 10.2 10.5
1.74	3.0276	.0311	.0346	.0380	.0415	.0450	.0485	.0520	.0555	.0590	4 13.6 14.0
1.75	3.0625	.0660	.0695	.0730	.0765	.0800	.0835	.0870	.0906	.0941	5 17.0 17.5
1.76	.0976	.1011	.1046	.1082	.1117	.1152	.1188	.1223	.1258	.1294	6 20.4 21.0
1.77	.1329	.1364	.1400	.1435	.1471	.1506	.1542	.1577	.1613	.1648	7 23.8 24.5
1.78	.1684	.1720	.1755	.1791	.1827	.1862	.1898	.1934	.1969	.2005	8 27.2 28.0
1.79	.2041	.2077	.2113	.2148	.2184	.2220	.2256	.2292	.2328	.2364	9 30.6 31.5
1.80	3.2400	.2436	.2472	.2508	.2544	.2580	.2616	.2652	.2689	.2725	36 37
1.81	.2761	.2797	.2833	.2870	.2906	.2942	.2979	.3015	.3051	.3088	1 3.6 3.7
1.82	.3124	.3160	.3197	.3233	.3270	.3306	.3343	.3379	.3416	.3452	2 7.2 7.4
1.83	.3489	.3526	.3562	.3599	.3636	.3672	.3709	.3746	.3782	.3819	3 10.8 11.1
1.84	.3856	.3893	.3930	.3966	.4003	.4040	.4077	.4114	.4151	.4188	4 14.4 14.8
1.85	3.4225	.4262	.4299	.4336	.4373	.4410	.4447	.4484	.4522	.4559	5 18.0 18.5
1.86	.4596	.4633	.4670	.4708	.4745	.4782	.4820	.4857	.4894	.4932	6 21.6 22.2
1.87	.4969	.5006	.5044	.5081	.5119	.5156	.5194	.5231	.5269	.5306	7 25.2 25.9
1.88	.5344	.5382	.5419	.5457	.5495	.5532	.5570	.5608	.5645	.5683	8 28.8 29.6
1.89	.5721	.5759	.5797	.5834	.5872	.5910	.5948	.5986	.6024	.6062	9 32.4 33.3
1.90	3.6100	.6138	.6176	.6214	.6252	.6290	.6328	.6366	.6405	.6443	38 39
1.91	.6481	.6519	.6557	.6596	.6634	.6672	.6711	.6749	.6787	.6826	1 3.8 3.9
1.92	.6864	.6902	.6941	.6979	.7018	.7056	.7095	.7133	.7172	.7210	2 7.6 7.8
1.93	.7249	.7288	.7326	.7365	.7404	.7442	.7481	.7520	.7558	.7597	3 11.4 11.7
1.94	.7636	.7675	.7714	.7752	.7791	.7830	.7869	.7908	.7947	.7986	4 15.2 15.6
1.95	3.8025	.8064	.8103	.8142	.8181	.8220	.8259	.8298	.8338	.8377	5 19.0 19.5
1.96	.8416	.8455	.8494	.8534	.8573	.8612	.8652	.8691	.8730	.8770	6 22.8 23.4
1.97	.8809	.8848	.8888	.8927	.8967	.9006	.9046	.9085	.9125	.9164	7 26.6 27.3
1.98	.9204	.9244	.9283	.9323	.9363	.9402	.9442	.9482	.9521	.9561	8 30.4 31.2
1.99	.9601	.9641	.9681	.9720	.9760	.9800	.9840	.9880	.9920	.9960	9 34.2 35.1
2.00	4.0000	.0040	.0080	.0120	.0160	.0200	.0240	.0280	.0321	.0361	40 41
N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.

1 4.0 4.1
2 8.0 8.2
3 12.0 12.3
4 16.0 16.4
5 20.0 20.5
6 24.0 24.6
7 28.0 28.7
8 32.0 32.8
9 36.0 36.9

Tafel XVIII.

Tafel der Quadrate der Zahlen von 0.000 bis 3.000.

N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.
2.00	4.0000	.0040	.0080	.0120	.0160	.0200	.0240	.0280	.0321	.0361	40 41
2.01	.0401	.0441	.0481	.0522	.0562	.0602	.0643	.0683	.0723	.0764	1 4.0 4.1
2.02	.0804	.0844	.0885	.0925	.0966	.1006	.1047	.1087	.1128	.1168	2 8.0 8.2
2.03	.1209	.1250	.1290	.1331	.1372	.1412	.1453	.1494	.1534	.1575	3 12.0 12.3
2.04	.1616	.1657	.1698	.1738	.1779	.1820	.1861	.1902	.1943	.1984	4 16.0 16.4
2.05	4.2025	.2066	.2107	.2148	.2189	.2230	.2271	.2312	.2354	.2395	5 20.0 20.5
2.06	.2436	.2477	.2518	.2560	.2601	.2642	.2684	.2725	.2766	.2808	6 24.0 24.6
2.07	.2849	.2890	.2932	.2973	.3015	.3056	.3098	.3139	.3181	.3222	7 28.0 28.7
2.08	.3264	.3306	.3347	.3389	.3431	.3472	.3514	.3556	.3597	.3639	8 32.0 32.8
2.09	.3681	.3723	.3765	.3806	.3848	.3890	.3932	.3974	.4016	.4058	9 36.0 36.9
2.10	4.4100	.4142	.4184	.4226	.4268	.4310	.4352	.4394	.4437	.4479	42 43
2.11	.4521	.4563	.4605	.4648	.4690	.4732	.4775	.4817	.4859	.4902	1 4.2 4.3
2.12	.4944	.4986	.5029	.5071	.5114	.5156	.5199	.5241	.5284	.5326	2 8.4 8.6
2.13	.5369	.5412	.5454	.5497	.5540	.5582	.5625	.5668	.5710	.5753	3 12.6 12.9
2.14	.5796	.5839	.5882	.5924	.5967	.6010	.6053	.6096	.6139	.6182	4 16.8 17.2
2.15	4.6225	.6268	.6311	.6354	.6397	.6440	.6483	.6526	.6570	.6613	5 21.0 21.5
2.16	.6656	.6699	.6742	.6786	.6829	.6872	.6916	.6959	.7002	.7046	6 25.2 25.8
2.17	.7089	.7132	.7176	.7219	.7263	.7306	.7350	.7393	.7437	.7480	7 29.4 30.1
2.18	.7524	.7568	.7611	.7655	.7699	.7742	.7786	.7830	.7873	.7917	8 33.6 34.4
2.19	.7961	.8005	.8049	.8092	.8136	.8180	.8224	.8268	.8312	.8356	9 37.8 38.7
2.20	4.8400	.8444	.8488	.8532	.8576	.8620	.8664	.8708	.8753	.8797	44 45
2.21	.8841	.8885	.8929	.8974	.9018	.9062	.9107	.9151	.9195	.9240	1 4.4 4.5
2.22	.9284	.9328	.9373	.9417	.9462	.9506	.9551	.9595	.9640	.9684	2 8.8 9.0
2.23	4.9729	.9774	.9818	.9863	.9908	.9952	.9997	5.0042	.0086	.0131	3 13.2 13.5
2.24	5.0176	.0221	.0266	.0310	.0355	.0400	.0445	.0490	.0535	.0580	4 17.6 18.0
2.25	5.0625	.0670	.0715	.0760	.0805	.0850	.0895	.0940	.0986	.1031	5 22.0 22.5
2.26	.1076	.1121	.1166	.1212	.1257	.1302	.1348	.1393	.1438	.1484	6 26.4 27.0
2.27	.1529	.1574	.1620	.1665	.1711	.1756	.1802	.1847	.1893	.1938	7 30.8 31.5
2.28	.1984	.2030	.2075	.2121	.2167	.2212	.2258	.2304	.2349	.2395	8 35.2 36.0
2.29	.2441	.2487	.2533	.2578	.2624	.2670	.2716	.2762	.2808	.2854	9 39.6 40.5
2.30	5.2900	.2946	.2992	.3038	.3084	.3130	.3176	.3222	.3269	.3315	46 47
2.31	.3361	.3407	.3453	.3500	.3546	.3592	.3639	.3685	.3731	.3778	1 4.6 4.7
2.32	.3824	.3870	.3917	.3963	.4010	.4056	.4103	.4149	.4196	.4242	2 9.2 9.4
2.33	.4289	.4336	.4382	.4429	.4476	.4522	.4569	.4616	.4662	.4709	3 13.8 14.1
2.34	.4756	.4803	.4850	.4896	.4943	.4990	.5037	.5084	.5131	.5178	4 18.4 18.8
2.35	5.5225	.5272	.5319	.5366	.5413	.5460	.5507	.5554	.5602	.5649	5 23.0 23.5
2.36	.5696	.5743	.5790	.5838	.5885	.5932	.5980	.6027	.6074	.6122	6 27.6 28.2
2.37	.6169	.6216	.6264	.6311	.6359	.6406	.6454	.6501	.6549	.6596	7 32.2 32.9
2.38	.6644	.6692	.6739	.6787	.6835	.6882	.6930	.6978	.7025	.7073	8 36.8 37.6
2.39	.7121	.7169	.7217	.7264	.7312	.7360	.7408	.7456	.7504	.7552	9 41.4 42.3
2.40	5.7600	.7648	.7696	.7744	.7792	.7840	.7888	.7936	.7985	.8033	48 49
2.41	.8081	.8129	.8177	.8226	.8274	.8322	.8371	.8419	.8467	.8516	1 4.8 4.9
2.42	.8564	.8612	.8661	.8709	.8758	.8806	.8855	.8903	.8952	.9000	2 9.6 9.8
2.43	.9049	.9098	.9146	.9195	.9244	.9292	.9341	.9390	.9438	.9487	3 14.4 14.7
2.44	5.9536	.9585	.9634	.9682	.9731	.9780	.9829	.9878	.9927	.9976	4 19.2 19.6
2.45	6.0025	.0074	.0123	.0172	.0221	.0270	.0319	.0368	.0418	.0467	5 24.0 24.5
2.46	.0516	.0565	.0614	.0664	.0713	.0762	.0812	.0861	.0910	.0960	6 28.8 29.4
2.47	.1009	.1058	.1108	.1157	.1207	.1256	.1306	.1355	.1405	.1454	7 33.6 34.3
2.48	.1504	.1554	.1603	.1653	.1703	.1752	.1802	.1852	.1901	.1951	8 38.4 39.2
2.49	.2001	.2051	.2101	.2150	.2200	.2250	.2300	.2350	.2400	.2450	9 43.2 44.1
2.50	6.2500	.2550	.2600	.2650	.2700	.2750	.2800	.2850	.2901	.2951	50 51
N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.
											1 5.0 5.1
											2 10.0 10.2
											3 15.0 15.3
											4 20.0 20.4
											5 25.0 25.5
											6 30.0 30.6
											7 35.0 35.7
											8 40.0 40.8
											9 45.0 45.9

Tafel XVIII.

Tafel der Quadrate der Zahlen von 0.000 bis 3.000.

N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.
2.50	6.2500	.2550	.2600	.2650	.2700	.2750	.2800	.2850	.2901	.2951	50 51
2.51	.3001	.3051	.3101	.3152	.3202	.3252	.3303	.3353	.3403	.3454	1 5.0 5.1
2.52	.3504	.3554	.3605	.3655	.3706	.3756	.3807	.3857	.3908	.3958	2 10.0 10.2
2.53	.4009	.4060	.4110	.4161	.4212	.4262	.4313	.4364	.4414	.4465	3 15.0 15.3
2.54	.4516	.4567	.4618	.4668	.4719	.4770	.4821	.4872	.4923	.4974	4 20.0 20.4
2.55	6.5025	.5076	.5127	.5178	.5229	.5280	.5331	.5382	.5434	.5485	5 25.0 25.5
2.56	.5536	.5587	.5638	.5690	.5741	.5792	.5844	.5895	.5946	.5998	6 30.0 30.6
2.57	.6049	.6100	.6152	.6203	.6255	.6306	.6358	.6409	.6461	.6512	7 35.0 35.7
2.58	.6564	.6616	.6667	.6719	.6771	.6822	.6874	.6926	.6977	.7029	8 40.0 40.8
2.59	.7081	.7133	.7185	.7236	.7288	.7340	.7392	.7444	.7496	.7548	9 45.0 45.9
2.60	6.7600	.7652	.7704	.7756	.7808	.7860	.7912	.7964	.8017	.8069	52 53
2.61	.8121	.8173	.8225	.8278	.8330	.8382	.8435	.8487	.8539	.8592	1 5.2 5.3
2.62	.8644	.8696	.8749	.8801	.8854	.8906	.8959	.9011	.9064	.9116	2 10.4 10.6
2.63	.9169	.9222	.9274	.9327	.9380	.9432	.9485	.9538	.9590	.9643	3 15.6 15.9
2.64	6.9696	.9749	.9802	.9854	.9907	.9960	7.0013	.0066	.0119	.0172	4 20.8 21.2
2.65	7.0225	.0278	.0331	.0384	.0437	.0490	.0543	.0596	.0650	.0703	5 26.0 26.5
2.66	.0756	.0809	.0862	.0916	.0969	.1022	.1076	.1129	.1182	.1236	6 31.2 31.8
2.67	.1289	.1342	.1396	.1449	.1503	.1556	.1610	.1663	.1717	.1770	7 36.4 37.1
2.68	.1824	.1878	.1931	.1985	.2039	.2092	.2146	.2200	.2253	.2307	8 41.6 42.4
2.69	.2361	.2415	.2469	.2522	.2576	.2630	.2684	.2738	.2792	.2846	9 46.8 47.7
2.70	7.2900	.2954	.3008	.3062	.3116	.3170	.3224	.3278	.3333	.3387	54 55
2.71	.3441	.3495	.3549	.3604	.3658	.3712	.3767	.3821	.3875	.3930	1 5.4 5.5
2.72	.3984	.4038	.4093	.4147	.4202	.4256	.4311	.4365	.4420	.4474	2 10.8 11.0
2.73	.4529	.4584	.4638	.4693	.4748	.4802	.4857	.4912	.4966	.5021	3 16.2 16.5
2.74	.5076	.5131	.5186	.5240	.5295	.5350	.5405	.5460	.5515	.5570	4 21.6 22.0
2.75	7.5625	.5680	.5735	.5790	.5845	.5900	.5955	.6010	.6066	.6121	5 27.0 27.5
2.76	.6176	.6231	.6286	.6342	.6397	.6452	.6508	.6563	.6618	.6674	6 32.4 33.0
2.77	.6729	.6784	.6840	.6895	.6951	.7006	.7062	.7117	.7173	.7228	7 37.8 38.5
2.78	.7284	.7340	.7395	.7451	.7507	.7562	.7618	.7674	.7729	.7785	8 43.2 44.0
2.79	.7841	.7897	.7953	.8008	.8064	.8120	.8176	.8232	.8288	.8344	9 48.6 49.5
2.80	7.8400	.8456	.8512	.8568	.8624	.8680	.8736	.8792	.8849	.8905	56 57
2.81	.8961	.9017	.9073	.9130	.9186	.9242	.9299	.9355	.9411	.9468	1 5.6 5.7
2.82	7.9524	.9580	.9637	.9693	.9750	.9806	.9863	.9919	.9976	8.0032	2 11.2 11.4
2.83	8.0089	.0146	.0202	.0259	.0316	.0372	.0429	.0486	.0542	.0599	3 16.8 17.1
2.84	.0656	.0713	.0770	.0826	.0883	.0940	.0997	.1054	.1111	.1168	4 22.4 22.8
2.85	8.1225	.1282	.1339	.1396	.1453	.1510	.1567	.1624	.1682	.1739	5 28.0 28.5
2.86	.1796	.1853	.1910	.1968	.2025	.2082	.2140	.2197	.2254	.2312	6 33.6 34.2
2.87	.2369	.2426	.2484	.2541	.2599	.2656	.2714	.2771	.2829	.2886	7 39.2 39.9
2.88	.2944	.3002	.3059	.3117	.3175	.3232	.3290	.3348	.3405	.3463	8 44.8 45.6
2.89	.3521	.3579	.3637	.3694	.3752	.3810	.3868	.3926	.3984	.4042	9 50.4 51.3
2.90	8.4100	.4158	.4216	.4274	.4332	.4390	.4448	.4506	.4565	.4623	58 59
2.91	.4681	.4739	.4797	.4856	.4914	.4972	.5031	.5089	.5147	.5206	1 5.8 5.9
2.92	.5264	.5322	.5381	.5439	.5498	.5556	.5615	.5673	.5732	.5790	2 11.6 11.8
2.93	.5849	.5908	.5966	.6025	.6084	.6142	.6201	.6260	.6318	.6377	3 17.4 17.7
2.94	.6436	.6495	.6554	.6612	.6671	.6730	.6789	.6848	.6907	.6966	4 23.2 23.6
2.95	8.7025	.7084	.7143	.7202	.7261	.7320	.7379	.7438	.7498	.7557	5 29.0 29.5
2.96	.7616	.7675	.7734	.7794	.7853	.7912	.7972	.8031	.8090	.8150	6 34.8 35.4
2.97	.8209	.8268	.8328	.8387	.8447	.8506	.8566	.8625	.8685	.8744	7 40.6 41.3
2.98	.8804	.8864	.8923	.8983	.9043	.9102	.9162	.9222	.9281	.9341	8 46.4 47.2
2.99	8.9401	.9461	.9521	.9580	.9640	.9700	.9760	.9820	.9880	.9940	9 52.2 53.1
3.00	9.0000	.0060	.0120	.0180	.0240	.0300	.0360	.0420	.0481	.0541	60 61
											1 6.0 6.1
											2 12.0 12.2
											3 18.0 18.3
											4 24.0 24.4
											5 30.0 30.5
											6 36.0 36.6
											7 42.0 42.7
											8 48.0 48.8
											9 54.0 54.9
N	N^2 0	1	2	3	4	5	6	7	8	9	P. P.

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
1	240	81° 54′ 59″	292° 39′ 30″	208° 25′ 0″	332° 41′ 9″	9.97222	9.98454	9.63800
		81 54 5	293 49 8	209 39 38	331 56 36	9.96967	9.98549	9.64498
2	539	256 22 6	163 44 54	78 29 25	54 56 57	9.99378	9.95414	9.66987
		256 26 43	165 5 12	79 48 37	55 59 22	9.99370	9.95499	9.66701
3	565	70 2 44	272 34 24	49 46 5	2 11 34	9.99844	9.06100	9.99868
		70 3 39	271 54 57	41 0 30	1 38 4	9.99913	8.99945	9.99870
4	568	20 17 8	43 2 30	311 33 18	319 7 4	9.99940	9.95276	9.64859
		20 10 4	44 33 18	313 5 50	320 28 57	9.99942	9.95248	9.64969
5	574	15 31 16	243 49 32	146 28 22	27 40 50	9.95779	9.98403	9.69683
		15 31 47	244 58 31	147 39 53	27 3 31	9.96092	9.98286	9.69063
6	770	93 42 59	330 59 50	105 13 29	24 13 32	9.71777	9.96362	9.97264
		93 43 51	328 36 38	104 41 40	23 57 41	9.72529	9.95968	9.97402
7	837	277 7 55	231 38 2	317 17 14	332 31 17	9.99681	9.92894	9.73394
		277 7 51	230 17 43	315 50 56	331 34 11	9.99661	9.92980	9.73250
8	961	82 32 11	89 42 32	177 23 51	0 45 47	9.99989	9.74824	9.91849
		82 32 20	89 27 7	175 7 13	1 25 57	9.99943	9.74929	9.91861
9	1092	30 22 56	228 47 0	139 31 45	55 9 24	9.97311	9.99973	9.53545
		30 23 57	230 8 40	140 43 1	55 18 16	9.97450	9.99982	9.52380
10	1097	124 56 46	281 57 50	222 45 6	343 13 39	9.91411	9.90624	9.91540
		124 56 10	281 7 53	224 52 40	343 8 26	9.90474	9.90338	9.92694
11	1231	121 32 41	127 19 34	39 20 26	30 26 30	9.99908	9.94477	9.67972
		121 33 17	128 37 45	40 41 57	31 30 16	9.99902	9.94514	9.67874
12	1264	83 59 42	257 7 55	165 29 14	26 45 25	9.99478	9.99278	9.37599
		83 59 53	258 17 47	166 46 15	24 54 36	9.99566	9.99251	9.36500
13	1299	103 51 34	298 31 50	103 58 16	19 34 20	9.79722	9.89705	9.99661
		103 52 13	297 16 28	103 42 45	19 12 41	9.80783	9.88940	9.99702
14	1337	90 46 6	348 27 0	99 28 50	31 30 30	9.88489	9.96329	9.87678
		90 47 18	346 37 54	98 27 45	31 5 58	9.88611	9.96030	9.87990
15	1366	213 37 2	307 34 47	216 20 40	228 11 50	9.99912	9.97642	9.51445
		213 36 28	309 3 57	217 46 50	229 59 46	9.99906	9.97624	9.51665
16	1385	166 40 59	174 12 38	249 5 40	330 46 0	9.78823	9.99123	9.91057
		166 40 46	171 57 30	248 19 49	330 36 50	9.78965	9.99276	9.90754
17	1433	212 45 23	279 37 30	113 8 10	15 29 27	9.87886	9.82239	9.99698
		212 45 50	279 9 42	113 29 30	15 3 31	9.88751	9.81144	9.99665
18	1468	65 13 9	30 24 22	122 11 37	34 42 50	9.88383	9.99970	9.80937
		65 14 17	28 40 13	121 12 3	34 38 24	9.88073	9.99943	9.81434
19	1472	158 6 10	240 15 40	329 48 28	332 19 2	9.99994	9.95673	9.62880
		157 51 20	249 2 35	338 42 41	340 31 30	9.99997	9.95626	9.63072
20	1490	129 52 35	33 34 0	263 34 55	335 38 27	9.83819	9.93121	9.95071
		129 51 43	35 23 10	264 23 12	336 1 18	9.84296	9.92606	9.95246
21	1491	154 57 49	173 50 22	246 53 20	335 44 10	9.41545	9.99866	9.98620
		154 56 60	168 35 16	246 34 31	335 42 20	9.42125	9.99930	9.98508
22	1506	242 14 46	304 4 12	73 37 20	17 54 12	9.94057	9.82025	9.95219
		242 15 26	302 46 19	72 17 40	17 22 14	9.94401	9.81198	9.95333
23	1532	16 38 15	220 24 55	129 0 10	36 5 40	9.91422	9.99972	9.75766
		16 39 10	221 54 56	130 2 36	36 0 43	9.91746	9.99949	9.75157
24	1533	277 51 20	35 44 15	287 29 45	331 35 47	9.96218	9.90971	9.84950
		277 50 2	37 14 8	288 54 1	332 16 28	9.96348	9.90620	9.85189
25	1556	98 48 48	268 23 27	178 16 56	6 18 51	9.99994	9.99704	9.07076
		98 47 11	269 34 33	179 32 54	1 39 52	0.00000	9.99702	9.06808

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
26	1558	2° 46′ 28″	97° 28′ 10′	211° 47′ 37″	347° 53′ 22″	9.96194	9.86227	9.89982
		2 46 13	97 0 23′	210 18 24	348 30 12	9.96621	9.85732	9.89820
27	1577	256 39 12	82 28 30	144 44 3	12 54 27	9.95265	9.86187	9.91194
		256 39 43	82 1 6	143 21 20	13 28 6	9.94750	9.86746	9.91357
28	1580	89 22 37	99 35 23	88 52 40	8 24 10	9.97482	9.52640	9.99925
		89 22 57	100 16 39	89 32 33	8 56 2	9.97132	9.55290	9.99916
29	1582	332 1 23	238 28 50	264 30 37	341 19 4	9.86352	9.85801	9.98808
		332 0 40	237 3 51	263 53 51	340 53 9	9.85534	9.86747	9.98729
30	1585	330 36 17	129 40 33	41 46 7	32 25 0	9.99899	9.94553	9.67752
		330 36 52	130 58 31	43 7 8	33 28 55	9.99893	9.94593	9.67643
31	1590	307 39 53	280 36 40	18 17 19	6 3 2	9.99765	9.78902	9.90045
		307 40 14	279 22 55	16 12 56	5 21 18	9.99816	9.78725	9.90068
32	1593	12 4 10	269 30 17	153 25 23	5 54 20	9.98774	9.68193	9.95790
		12 4 53	269 33 15	155 47 59	5 18 35	9.99015	9.67361	9.95741
33	1596	59 25 51	107 47 51	207 28 8	339 58 14	9.96918	9.96313	9.73007
		59 25 31	106 48 57	206 10 51	340 45 19	9.97221	9.96149	9.72558
34	1618	24 53 26	26 51 40	284 50 42	323 46 49	9.97517	9.93360	9.78500
		24 51 35	28 20 50	286 15 19	324 34 41	9.97578	9.93135	9.78794
35	1618	287 22 57	164 30 46	95 18 37	31 58 39	9.90697	9.95404	9.86588
		287 24 18	166 12 4	96 21 21	32 24 19	9.90579	9.95705	9.86271
36	1652	300 9 28	177 18 31	113 2 23	23 48 39	9.26251	9.99861	9.99405
		300 10 18	184 55 2	113 14 47	23 50 24	9.26367	9.99925	9.99334
37	1661	33 23 26	171 48 56	97 48 34	36 13 18	9.92482	9.96341	9.82549
		33 24 56	173 26 47	98 54 32	36 14 19	9.92436	9.96580	9.82165
38	1664	310 40 41	7 55 51.5	105 36 27	54 8 12	9.96980	9.97526	9.68781
		310 38 27	6 23 57	104 21 4.5	53 20 20	9.96962	9.97394	9.69333
39	1665	156 6 54	254 25 34	250 45 8	342 26 21	9.83126	9.86671	9.99978
		156 6 12	253 41 13.5	250 49 32	342 4 28	9.82031	9.87544	9.99984
40	1668	206 42 27	283 55 44	194 16 8	305 34 30	9.99673	9.99950	9.11864
		206 41 44	285 12 9	195 33 3	304 10 22	9.99613	9.99955	9.14759
41	1672	109 28 29	78 3 4.5	246 48 54	339 27 28	9.68950	9.94258	9.99848
		109 27 50	78 42 38	246 40 27	339 44 32	9.70734	9.93714	9.99815
42	1677	99 12 38	253 12 17	248 58 57	340 7 11	9.74514	9.92003	9.99975
		99 13 24	252 19 39	238 39 55	338 21 30	9.72994	9.96511	9.96727
43	1678	159 27 47	254 19 40	164 37 13	162 17 11.5	9.99996	9.97098	9.54900
		159 29 50	255 43 13.5	165 59 8	163 51 49	9.99996	9.97101	9.54863
44	1680	350 38 57	6 22 21	250 35 35	333 51 47	9.69206	9.98725	9.95554
		350 38 2	9 11 47.5	251 11 10	334 2 37	9.69424	9.98502	9.95745
45	1683	86 46 32	270 37 26	162 46 34	2 24 4	9.99782	9.49332	9.98025
		86 46 30	270 28 19	166 45 12	1 49 18	9.99875	9.48453	9.98012
46	1684	330 36 25	355 33 7	247 44 27	334 25 13	9.61359	9.99591	9.96468
		330 35 32	358 59 25	248 21 10	334 24 28	9.62366	9.99428	9.96452
47	1686	86 25 49	82 42 10	346 30 45.5	355 50 54	9.99870	9.76590	9.91165
		86 25 49	83 54 3.5	348 41 33	356 31 41	9.99909	9.76422	9.91192
48	1689	180 44 43	357 31 29	109 51 27	26 42 13	9.71107	9.98902	9.94743
		180 45 30	354 48 13	109 31 23	26 31 43	9.71212	9.98697	9.94954
49	1695	203 59 10	304 42 50	213 28 12	281 37 28	9.98879	9.99807	9.38627
		203 58 2	306 6 13	214 44 45	282 15 24.5	9.98803	9.99786	9.40113
50	1698	356 50 56	181 36 18	266 28 8	296 24 50	9.99079	9.96317	9.64787
		356 46 58	180 14 46	265 10 40	295 21 34	9.99078	9.96407	9.64397

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
51	1699	109° 14′ 16″	105° 10′ 24″	221° 35′ 59″	342° 0′ 4″	9.91469	9.92513	9.89494
		109 13 50	104 27 47	220 28 9	342 30 7	9.92118	9.92092	9.89253
52	1701	164 59 31	143 1 35	233 4 40	323 10 51	9.91126	9.99999	9.76281
		164 58 33	141 29 6	232 2 46	323 12 15	9.91430	9.99996	9.75680
53	1702	309 41 55	279 37 45.5	189 22 24	191 45 40	9.99996	9.97535	9.51556
		309 43 37	281 4 31	190 46 52	193 30 53	9.99995	9.97532	9.51607
54	1706	59 25 12	97 58 23	50 27 1	5 34 15	9.99149	9.45301	9.99064
		59 25 34	98 47 55	53 33 50	6 7 18	9.98969	9.47543	9.99047
55	1707	27 8 40	91 52 54	117 35 43	19 6 14	9.77588	9.91942	9.98971
		27 9 22	91 58 6	117 12 2	19 24 52	9.76132	9.92558	9.99046
56	1718	6 15 55	317 13 34	68 37 24	24 28 24	9.96102	9.88776	9.87717
		6 17 0	315 46 57	67 11 6	23 49 56	9.96266	9.88352	9.87913
57	1723	331 21 35	99 30 44	41 5 45	6 2 5	9.99173	9.54663	9.98033
		331 21 10	100 26 30	44 2 31	6 35 54	9.99008	9.56088	9.98007
58	1729	9 53 13	75 33 0	249 52 39	342 27 59	9.83025	9.86812	9.99947
		9 52 40	76 13 35	249 45 19	342 51 17	9.84089	9.85908	9.99931
59	1737	99 32 44	315 3 34	222 36 20	276 40 41	9.98836	9.99288	9.46323
		99 30 37	316 29 35	223 54 13	276 52 38	9.98780	9.99247	9.47404
60	1737	138 43 3	221 8 6	130 33 0	39 0 30	9.93036	9.99996	9.71944
		138 44 0	222 24 24	131 29 6	38 57 10	9.93271	9.99985	9.71341
61	1739	104 46 30	253 36 27	286 53 28	349 5 37	9.96565	9.64715	9.98872
		104 45 55	252 41 14	285 29 0	348 34 42	9.96210	9.66367	9.98833
62	1742	328 1 1	267 46 33	263 0 8	357 44 10	9.99818	8.96222	9.99998
		328 1 14	267 13 44	263 51 12	357 11 7	9.99718	9.05622	9.99999
63	1743	25 27 18	157 35 28	68 32 43	62 57 31	9.99971	9.95964	9.61638
		25 47 15	158 57 15	69 54 40	64 15 29	9.99971	9.95986	9.61542
64	1743	118 95 51	85 32 48	173 42 59	6 38 3.5	9.99863	9.96742	9.58158
		118 59 28	84 33 32	172 20 18	8 3 2	9.99797	9.96779	9.58385
65	1744	151 26 8	125 3 17	77 46 56	18 22 18	9.92962	9.82851	9.95765
		151 27 2	126 21 52	78 56 31	18 51 22	9.92570	9.83667	9.95651
66	1747	230 16 36	276 54 3	116 21 22	12 33 50	9.92847	9.74218	9.99461
		230 16 57	276 31 26	117 3 41	12 4 13	9.93487	9.72752	9.99428
67	1748	17 51 25	264 0 43	244 14 38	341 12 28	9.78289	9.90971	9.99388
		17 50 42	263 45 19.5	244 32 7.5	340 53 12	9.76873	9.91649	9.99440
68	1748	245 38 42	104 17 37	97 39 7	12 36 5	9.93642	9.70446	9.99944
		245 39 17	105 1 14	97 54 50	13 4 18.5	9.93077	9.72049	9.99933
69	1757	268 45 20	303 33 26	211 49 25	242 13 34	9.99660	9.98927	9.40214
		268 42 52	304 52 0	213 9 52	244 9 28	9.99635	9.98899	9.41020
70	1758	36 48 4	294 18 42	230 31 55	337 54 5	9.84180	9.96367	9.91346
		36 47 19	295 24 47	231 23 54	337 35 38	9.83236	9.96686	9.91609
71	1759	273 57 49	260 48 15	131 20 4	17 2 25	9.88696	9.89908	9.94536
		273 58 15	261 13 57	132 18 36	16 35 30	9.89523	9.89304	9.94373
72	1759	59 42 34	10 50 7	102 45 16	89 52 41	9.99859	9.96559	9.59239
		59 52 30	9 16 15	101 12 35	88 19 26	9.99858	9.96524	9.59449
73	1762	115 28 54	89 6 2	209 20 53	355 8 50	9.99106	9.57616	9.97672
		115 28 57	89 12 40	206 21 26	355 43 25	9.99310	9.56413	9.97638
74	1763	88 39 48	88 50 10	210 27 23	358 26 40	9.99909	9.08879	9.99763
		88 39 53	89 15 12	200 43 12	359 0 9	9.99963	9.05217	9.99759
75	1764	104 49 48	316 22 50	93 0 19	22 4 32	9.85884	9.90110	9.96314
		104 49 0	314 47 10	92 11 58	21 39 54	9.86436	9.89460	9.96448

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
76	1766	100° 55′ 36″	212° 51′ 16″	273° 4′ 15″	333° 57′ 8″	9.90805	9.91663	9.91108
		100 54 51	211 15 7	272 0 29	333 29 55	9.90538	9.92128	9.90889
77	1766	177 0 32	163 49 30	77 31 18	58 14 16	9.99605	9.95567	9.65340
		177 6 19	165 8 8	78 49 30	59 19 40	9.99600	9.95634	9.65092
78	1769	329 7 31	266 3 31	175 0 34	6 53 28	9.99924	9.98025	9.47822
		329 6 16	267 7 45	176 21 43	5 2 26	9.99959	9.98006	9.47615
79	1770	224 13 6	221 47 16	132 16 20	128 56 20	9.99990	9.96589	9.58186
		224 32 1	222 52 3	133 20 29	130 4 59	9.99991	9.96597	9.58138
80	1770	100 19 43	338 40 44	87 23 32	32 49 34	9.93904	9.94011	9.84324
		100 18 19	337 5 0	86 9 26	32 14 32	9.94020	9.93695	9.84628
81	1771	46 10 34	327 4 48	62 24 44	40 52 47	9.99403	9.94136	9.71070
		46 14 22	328 25 38	63 47 16	41 51 42	9.99385	9.94237	9.70833
82	1773	313 8 30	232 13 22	126 44 15	25 41 46	9.82418	9.98793	9.89232
		313 9 13	233 41 20	127 34 55	25 27 58	9.83230	9.98610	9.88909
83	1774	136 43 8	270 2 50	180 44 43	0 11 16	0.00000	9.70063	9.93694
		136 43 7	270 12 34	183 17 31	359 10 14	9.99979	9.70131	9.93703
84	1779	62 10 2	111 10 18	38 3 53	11 45 47	9.98879	9.79305	9.91133
		62 10 52	112 24 20	39 56 23	12 24 35	9.98756	9.79766	9.91037
85	1780	237 5 32	310 54 18	91 56 15	20 41 30	9.86812	9.88179	9.97100
		237 4 48	310 5 30	91 30 21	20 27 27	9.87131	9.87780	9.97162
86	1780	255 9 8	283 43 28	105 26 30	14 19 30	9.90671	9.77169	9.99994
		255 8 42	283 3 56	105 30 16.5	13 51 57	9.91371	9.75815	9.99991
87	1781	156 11 2	137 51 30	112 30 53	23 20 31	9.28444	9.99328	9.99857
		156 11 11	143 43 36	112 37 3	23 25 22	9.24920	9.99488	9.99821
88	1781	61 19 14	14 36 30	112 17 20	48 49 33	9.95201	9.98486	9.71215
		61 21 0	12 9 31	108 8 25	63 28 30	9.98097	9.97567	9.63926
89	1783	354 17 28	135 39 20	83 16 31	22 3 33	9.91087	9.88044	9.94041
		354 18 30	137 8 32	84 20 19	22 31 6	9.90717	9.88668	9.93881
90	1784	336 5 17	46 42 32	129 28 50	29 55 17	9.88160	9.99531	9.82255
		336 4 18	45 10 0	128 29 53	30 5 0	9.87648	9.99621	9.82714
91	1785	205 39 59	341 57 26	245 51 12	334 29 22	9.54838	9.99965	9.97141
		205 39 7	345 48 46	246 18 33	335 1 57	9.54095	9.99919	9.97297
92	1785	127 4 1	84 56 27	116 42 49	21 30 21	9.64243	9.96544	9.98988
		127 4 48	83 52 51	116 30 28	21 44 26	9.62070	9.96970	9.99021
93	1786	323 15 7	279 30 8	195 11 56	347 43 35	9.99117	9.95374	9.68246
		323 14 42	280 25 35	196 35 14	346 41 27	9.98944	9.95484	9.68573
94	1787	99 7 4	336 13 58	98 6 22	26 43 27	9.84388	9.94896	9.92933
		99 8 3	334 19 25	97 14 15	26 21 13	9.84723	9.94484	9.93151
95	1788	57 48 14	293 5 38	26 32 29	16 2 37	9.99838	9.91463	9.76094
		57 49 13	292 41 27	26 4 46	15 45 55.5	9.99843	9.91453	9.76095
96	1788	30 25 28	86 29 21	283 38 37	356 46 18	9.99644	9.12506	9.99967
		30 26 0	87 5 38	286 55 12	357 19 30	9.99756	9.05050	9.99969
97	1790	114 25 18	276 42 58	11 47 5	3 50 17	9.99903	9.78092	9.90303
		114 24 42	275 30 24	9 40 37.5	3 8 54	9.99935	9.77982	9.90314
98	1790	204 36 23	353 44 50	248 20 13	332 15 54	9.73828	9.99354	9.93157
		204 35 25	356 17 39	249 1 44	332 24 51	9.73709	9.99203	9.93405
99	1790	119 27 20	74 15 38	144 40 18	17 37 20	9.94203	9.93206	9.85077
		119 27 56	73 26 26	143 26 41	18 10 47	9.93685	9.93540	9.85364
100	1792	154 21 47	262 11 31	339 52 22	355 29 50	9.99724	9.67034	9.94977
		154 21 23	261 6 34	337 14 58	354 53 1	9.99643	9.67493	9.94949

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
101	1792	147° 22′ 19″	161° 3′ 10″	244° 11′ 50″	328° 35′ 49″	9.82934	9.99743	9.87258
		147 21 19	159 4 49	243 20 46	328 30 52	9.83222	9.99814	9.86888
102	1793	239 56 38	326 53 31	103 19 27	23 50 31	9.74982	9.95285	9.97204
		239 57 29	324 43 46	102 45 43	23 32 44	9.75730	9.94832	9.97341
103	1793	69 53 46	90 52 27	4 57 42	0 34 44	9.99992	9.41483	9.98490
		69 53 57	91 44 29	9 49 51	1 9 10	9.99968	9.41869	9.98487
104	1796	184 17 18	82 53 23	160 33 53	9 32 28	9.98532	9.89103	9.83133
		184 17 40	82 14 54	159 1 10	10 17 26.5	9.98270	9.89371	9.83310
105	1797	279 48 40	111 8 22	210 42 56	337 13 51	9.96152	9.97103	9.72918
		279 48 16	110 5 44	209 28 58	337 56 33	9.96480	9.96943	9.72432
106	1798	342 54 10	220 21 17	128 30 29	35 3 4	9.90735	9.99957	9.77158
		342 55 4	221 52 13	129 31 59	34 57 34	9.91084	9.99929	9.76577
107	1798	215 3 37	207 40 7	268 22 4	332 52 27	9.89053	9.93238	9.91093
		215 2 26	205 58 20	267 22 35	332 27 37	9.88792	9.93660	9.90858
108	1799	95 44 18	346 19 45.5	103 47 5	27 39 36	9.80597	9.97018	9.92840
		95 45 18	344 10 49	102 59 37	27 21 30	9.80845	9.96701	9.93084
109	1799	136 7 42	98 37 35	222 44 9	344 44 54	9.92260	9.88043	9.92965
		136 7 21	98 11 44	221 32 57	345 15 35	9.92910	9.87443	9.92797
110	1801	220 38 5	48 16 29	140 13 30	76 33 33.5	9.98580	9.99630	9.45204
		220 39 51	46 51 21	138 57 0	75 38 38	9.98504	9.99597	9.46456
111	1802	338 6 55	122 28 34.5	226 37 35	334 17 18	9.88676	9.98183	9.84362
		338 6 17	121 13 41	225 37 46	334 37 50	9.89288	9.97990	9.83963
112	1804	331 56 56	267 48 40	175 40 43.5	2 52 59	9.99928	9.92412	9.73728
		331 56 51	268 33 12	177 8 8	1 54 43	9.99970	9.92380	9.73668
113	1806	225 20 15	122 57 59	214 52 26	317 38 29	9.97046	9.99836	9.56472
		225 19 33	121 40 30	213 40 54	318 1 48	9.97240	9.99805	9.55418
114	1807	4 8 2	351 9 53	247 12 55	333 45 42	9.65863	9.99671	9.95355
		4 7 7	354 13 49	247 47 43	333 51 50	9.65619	9.99558	9.95557
115	1808	253 46 25	118 27 38	215 25 23	330 48 33	9.95348	9.98704	9.69965
		253 45 52	117 16 24	214 15 2	331 22 0	9.95669	9.98595	9.69322
116	1808	131 32 1	70 41 7	157 9 33	28 40 4	9.98462	9.98909	9.53476
		131 32 43	69 30 40	155 53 21	29 40 38	9.98286	9.98970	9.54363
117	1810	102 24 0	59 41 32	264 32 33	341 38 26	9.86744	9.85182	9.98921
		102 23 23	60 55 21	265 6 34	342 3 51.5	9.87467	9.84249	9.98985
118	1811	65 23 54	283 58 3	106 34 55	14 58 27	9.89447	9.79289	9.99990
		65 24 21	283 18 27	106 39 57	14 31 39	9.90200	9.78045	9.99984
119	1811	314 24 39	182 33 59	104 29 13	40 39 30	9.93187	9.97621	9.78589
		314 26 11	184 10 18	105 35 31	41 6 51	9.93207	9.97798	9.78119
120	1812	199 18 13	312 18 36	242 3 18	335 44 31	9.61752	9.99491	9.96505
		199 17 23	314 47 26	242 33 50	335 39 38	9.60102	9.99620	9.96677
121	1813	350 50 56	31 52 10	125 49 30	67 2 8	9.97757	9.99070	9.57303
		350 53 2	30 23 26	124 33 13	66 11 43	9.97690	9.99004	9.58178
122	1813	204 56 43	82 4 36	129 16 27	17 9 11.5	9.87666	9.89743	9.95419
		204 57 21	81 41 40.5	128 25 45	17 32 33	9.86782	9.90337	9.95562
123	1815	65 32 37	169 39 2	102 4 38	30 9 37	9.85673	9.96855	9.89543
		65 33 46	171 33 41	102 58 23	30 28 14	9.85556	9.97134	9.89246
124	1816	304 20 59	60 34 37	294 43 52	344 8 25	9.95841	9.79046	9.94972
		304 20 24	61 48 20	296 18 43	344 42 0	9.96130	9.78209	9.95063
125	1818	205 4 35	337 52 20	242 36 34	295 55 30	9.97652	9.98456	9.61663
		205 2 16	339 22 20	243 53 50	296 47 33	9.97606	9.98366	9.62400

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
126	1818	112° 18′ 38″	90° 43′ 35″	114° 47′ 9″	22° 6′ 51″	9.54393	9.97602	9.99609
		112 19 26	90 46 23	114 35 27	22 16 52	9.51525	9.97919	9.99652
127	1818	347 0 18	1 47 43.5	111 25 20	26 7 0	9.66207	9.99355	9.95646
		347 1 13	358 44 32	110 51 8	25 58 53	9.66196	9.99192	9.95840
128	1819	13 21 54	16 45 2	247 8 48	336 21 13	9.22368	9.99749	9.99640
		13 21 6	24 23 30	247 19 31	336 25 51	9.24468	9.99632	9.99692
129	1819	350 0 43	166 9 51	80 20 31	58 32 15	9.99490	9.95622	9.65672
		350 5 54	167 29 22	81 38 31	59 38 33	9.99487	9.95699	9.65381
130	1821	169 11 1	72 43 35	129 22 39	20 7 14	9.84815	9.94327	9.93254
		169 11 43	71 54 13.5	128 31 29	20 28 5	9.83820	9.94749	9.93465
131	1822	344 37 23	272 7 50	14 25 39	1 27 53	9.99946	9.36222	9.98874
		344 37 29	271 19 3	9 1 39	0 53 9	9.99979	9.35490	9.98880
132	1822	237 56 40	351 22 41	99 47 36	33 26 43	9.90004	9.96577	9.85580
		237 57 56	349 36 39	98 43 44	33 0 35	9.90085	9.96307	9.85923
133	1822	181 3 42	357 8 40	108 6 15.5	28 23 45	9.78333	9.98435	9.92283
		181 4 42	354 50 24	107 20 28	28 9 41	9.78467	9.98206	9.92542
134	1823	28 28 57	110 51 45	237 6 31	338 6 53	9.75407	9.96658	9.95699
		28 28 19	109 52 31	236 28 43	338 23 9	9.76772	9.96301	9.95518
135	1824	334 3 17	216 47 38	304 59 44	314 10 56	9.99912	9.95312	9.64856
		333 58 26	215 24 18	303 35 8	312 56 55	9.99908	9.95351	9.64714
136	1824	85 16 10	14 0 36	254 40 44	333 12 57	9.77137	9.97373	9.94184
		85 15 13	16 19 25	255 23 26	333 28 43.5	9.77442	9.97065	9.94396
137	1825	106 10 46	79 15 43	159 41 14.5	13 4 18	9.98320	9.93580	9.75952
		106 11 13	79 25 24	158 16 58	13 54 32	9.98065	9.93765	9.76242
138	1825	177 18 26	270 3 43	205 7 58	354 52 38	9.99058	9.64833	9.96328
		177 18 9	270 4 21	207 37 17	354 17 33	9.98822	9.65770	9.96371
139	1825	256 55 57	240 1 16	308 3 10	343 47 35	9.97739	9.82147	9.90957
		256 54 56	238 44 9	306 24 8	343 10 24	9.97572	9.82674	9.90829
140	1826	279 41 20	283 35 29	196 35 13	338 5 52	9.99174	9.98522	9.50668
		279 40 46	285 33 33	198 51 52	335 47 27	9.98931	9.98616	9.52038
141	1826	4 40 30	50 42 5.5	141 52 53.5	131 15 0	9.99925	9.97477	9.52678
		4 41 9	49 11 55	140 25 5	129 31 11	9.99921	9.97453	9.52895
142	1826	13 40 49	130 2 37	55 37 58	22 18 4	9.97969	9.88013	9.85527
		13 42 16	131 24 4	57 9 4.5	22 59 4	9.97859	9.88338	9.85355
143	1826	279 37 5	255 43 31.5	248 31 56	341 9 28	9.78239	9.90196	9.99839
		279 36 21	255 0 37	248 39 8	340 50 10	9.76884	9.90907	9.99940
144	1827	150 57 42	269 16 32	195 39 43	358 38 8	9.99929	9.29981	9.99192
		150 57 31	268 58 33	201 34 45	358 4 20	9.99857	9.31581	9.99196
145	1827	20 39 16	123 55 54	219 22 55	327 17 10	9.94578	9.99320	9.70052
		20 38 36	122 39 19	218 14 33.5	327 41 56	9.94898	9.99236	9.69364
146	1827	258 41 48	289 44 15.5	74 2 57	12 26 7	9.95733	9.69693	9.98441
		258 42 12	288 44 32	72 39 15	11 54 31	9.96100	9.68230	9.98491
147	1830	5 49 0	293 42 10	203 4 26.5	269 3 22	9.99473	9.99893	9.23027
		5 47 45	295 3 23	204 21 36	270 23 52	9.99417	9.99883	9.25166
148	1830	26 54 1	106 56 45.5	202 22 21	337 52 0	9.98256	9.97793	9.62001
		26 53 43	105 53 1.5	201 5 6	338 53 15	9.98458	9.97701	9.61392
149	1832	204 31 15	22 25 26	117 53 50	34 55 55	9.87720	9.99742	9.82356
		204 32 26	20 36 31	116 55 0	34 46 21	9.87485	9.99667	9.82818
150	1833	260 57 17	312 9 1	220 32 51	236 53 28	9.99839	9.97824	9.50591
		261 2 5	313 37 38	221 58 15	238 38 36	9.99830	9.97794	9.50921

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
151	1834	49° 50′ 23″	315° 23′ 52″	223° 54′ 48″	237° 20′ 38″	9.99880	9.97505	9.52851
		49 44 1	316 53 55	225 22 10	239 3 7	9.99875	9.97477	9.53117
152	1835	212 50 37	32 20 29	125 4 33	100 56 56.5	9.99612	9.97709	9.53568
		212 55 21	31 1 44	123 39 52	99 23 18	9.99600	9.97662	9.54019
153	1835	110 36 25	37 23 30	130 35 51	80 2 28.5	9.98638	9.98976	9.51442
		110 39 24	35 56 13	129 17 48	78 51 22	9.98588	9.98923	9.52361
154	1840	72 13 21	222 22 49	125 56 13	29 26 39	9.85295	9.99719	9.85156
		72 14 10	223 59 35	126 50 26	29 18 4.5	9.85858	9.99637	9.84739
155	1840	156 31 42	233 15 18.5	264 12 39.5	340 0 58	9.84856	9.88108	9.89279
		156 30 48	231 48 34	263 36 48	339 38 26	9.84120	9.88862	9.98189
156	1840	138 9 53	270 50 38	187 53 22	357 42 53	9.99853	9.74663	9.92111
		138 9 42	271 5 34	190 8 41	357 3 14	9.99754	9.74908	9.92142
157	1840	133 36 9	322 15 39	238 22 48	332 8 54	9.79280	9.99846	9.89687
		133 35 13	324 13 41	239 10 46	332 5 47	9.78592	9.99904	9.90012
158	1842	240 33 16	261 57 10	249 56 55	349 43 5	9.95596	9.63966	9.99854
		240 32 46	261 28 13	250 27 53	349 13 24	9.95108	9.65880	9.99869
159	1843	82 34 25	90 2 30	180 2 55	359 54 9.5	0.00000	9.99004	9.32570
		82 34 37	88 54 23	178 44 12	2 31 43	9.99999	9.99007	9.32620
160	1843	124 14 35	254 53 19	155 36 0	17 38 47	9.97585	9.95655	9.72861
		124 14 51	255 49 13	156 55 25	16 48 7	9.97857	9.95495	9.72463
161	1844	298 27 29	152 29 56	63 11 31.5	56 56 4	9.99956	9.95803	9.62493
		298 42 38	153 38 36	64 50 46	57 59 47	9.99955	9.95824	9.62400
162	1844	212 2 29	68 6 7	150 55 43.5	25 2 38	9.96859	9.97927	9.67680
		212 3 12	66 58 37	149 41 9	25 45 40	9.96572	9.98046	9.68285
163	1844	177 42 5	216 6 54.5	125 11 3	33 49 20	9.88697	9.99991	9.80439
		177 43 0	217 43 33	126 9 38	33 46 27	9.89067	9.99976	9.79923
164	1845	114 36 25	72 35 29	306 13 55	349 44 26	9.97896	9.67558	9.96923
		114 36 7	73 38 36	308 21 2	350 18 40	9.98124	9.66396	9.96976
165	1845	205 26 38	82 0 55	305 30 8	354 17 13	9.99073	9.44201	9.99232
		205 26 32	82 49 22	308 47 7	354 50 45	9.99246	9.41677	9.99250
166	1845	75 46 15	106 1 17	203 10 52	340 28 21	9.97958	9.96823	9.67689
		75 45 58	105 1 15	201 52 34	341 24 9	9.98191	9.96703	9.67202
167	1846	337 57 1	208 0 20	120 14 54	32 39 56	9.85784	9.99964	9.84154
		337 57 59	209 47 24	121 9 35	32 41 30	9.86143	9.99986	9.83714
168	1846	12 52 40	109 13 5.5	112 59 51	22 45 27	9.40181	9.98578	9.99995
		12 53 29	111 15 55	112 58 17	22 52 50	9.36203	9.98819	0.00000
169	1846	78 38 59	281 3 24	68 12 33	7 57 56	9.98103	9.52943	9.99319
		78 38 1	280 15 3	66 9 27	7 25 30	9.98357	9.50605	9.99339
170	1846	339 40 9	347 26 18	248 43 7	315 36 22	9.93838	9.98530	9.74743
		339 41 15	349 3 55	249 52 43	316 5 24	9.93774	9.98394	9.75296
171	1846	99 48 48	190 47 25	265 57 48.5	322 10 29	9.94233	9.95766	9.80660
		99 47 8	189 13 47	264 47 55	321 37 48	9.94183	9.96001	9.80274
172	1846	94 8 43	92 8 22	10 20 17.5	1 22 25.5	9.99958	9.46890	9.98078
		94 8 56	93 2 35	14 34 59	1 57 6	9.99916	9.47448	9.98071
173	1847	254 19 58	103 46 2	49 50 43	8 25 23.5	9.98468	9.62052	9.97565
		254 20 30	104 45 16	52 9 56	8 58 47	9.98252	9.63369	9.97526
174	1847	35 44 18	271 20 51	152 6 59	3 14 11	9.99596	9.43191	9.98780
		35 44 17	271 6 24	156 23 6	2 40 6	9.99726	9.41552	9.98767
175	1847	91 31 57	92 46 53	216 9 23	349 49 30	9.96431	9.78479	9.94615
		91 31 44	92 36 3	214 30 16	350 23 51	9.96860	9.77680	9.94519

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
176	1847	54° 22′ 57″	155° 50′ 45″	101° 59′ 27″	25° 36′ 8.5″	9.79091	9.95774	9.95020
		54 23 56	157 58 36	102 40 42	25 52 40	9.78662	9.96152	9.94830
177	1847	129 24 51	40 4 48	299 39 16	329 45 36	9.98522	9.91710	9.79168
		129 24 50	41 31 6	301 9 30	330 36 23	9.98581	9.91504	9.79390
178	1847	276 37 12	267 1 13	237 28 8	356 13 30	9.99462	9.25330	9.99834
		276 37 28	266 34 24	240 34 35	355 40 35	9.99291	9.29826	9.99841
179	1848	261 0 31	266 47 3	235 16 29	348 2 33	9.93728	9.74941	9.98551
		261 0 0	266 36 30	236 16 10	347 33 39	9.93104	9.76197	9.98609
180	1849	208 2 38	273 18 56	227 51 9	345 55 49	9.92002	9.83839	9.96032
		208 2 5	273 30 0	228 56 0	345 27 28	9.91281	9.84655	9.96148
181	1849	33 12 14	278 34 8	205 22 58	348 23 25	9.97443	9.88867	9.85470
		33 11 48	279 11 20	206 51 35	347 42 49	9.97091	9.89224	9.85665
182	1849	237 33 36	102 21 13	96 40 4	11 12 22	9.95122	9.65352	9.99965
		237 34 8	104 35 2	97 28 57	12 44 13	9.93495	9.70900	9.99936
183	1850	181 30 45	184 2 24	112 26 30	25 9 3	9.57042	9.99655	9.97161
		181 21 37	187 44 56	112 53 24	25 12 47	9.57297	9.99760	9.97002
184	1850	243 17 15	289 16 30	203 6 45	332 14 20	9.98377	9.98780	9.55144
		243 16 34	290 26 21	204 22 58	331 14 56	9.98193	9.98847	9.55953
185	1851	87 19 19	305 32 17	218 20 18	321 21 32	9.95886	9.99753	9.63229
		87 18 18	306 53 15	219 31 6	321 3 58	9.95641	9.99795	9.64082
186	1851	294 24 15	104 25 7	107 31 23	15 45 6	9.87836	9.81654	9.99983
		294 24 55	105 5 51	107 26 52	16 9 33	9.86966	9.82745	9.99991
187	1852	38 47 49	122 11 10	220 57 17	331 24 32	9.92994	9.98713	9.76140
		38 47 11	120 53 29	219 47 42	331 51 5	9.93428	9.98576	9.75568
188	1852	223 20 28.7	333 49 47	240 11 32	274 59 22	9.99148	9.97916	9.55683
		223 16 44	335 18 22	241 33 52	276 19 58	9.99129	9.97852	9.56278
189	1853	57 3 49	78 21 3	329 23 48	353 17 30	9.99346	9.67592	9.95286
		57 3 40.3	79 26 17	331 56 28	353 54 14	9.99458	9.66950	9.95327
190	1853	275 46 54.6	23 12 20	118 20 30	64 19 20	9.97643	9.98538	9.61274
		275 49 12.0	21 43 27	117 32 42	63 27 18	9.97595	9.98450	9.61994
191	1853	160 46 14.8	66 17 20	140 43 53	22 27 53	9.92560	9.96479	9.82161
		160 47 23	65 12 42	139 35 53	22 56 20	9.92024	9.96717	9.82550
192	1853	170 25 7.5	247 32 45	138 34 12	21 28 56	9.91261	9.95800	9.85258
		170 25 37.3	248 31 2	139 39 54	21 0 21	9.91855	9.95515	9.84921
193	1853	82 9 44.2	248 47 20	269 54 40	345 22 0	9.92301	9.75823	9.99340
		82 9 3.2	247 49 14	269 15 11	344 54 22	9.91728	9.77114	9.99298
194	1854	170 22 37.8	247 28 18	261 5 29	343 21 30	9.87962	9.82151	9.99693
		170 21 54.5	246 28 43	260 45 15	342 57 0	9.87183	9.83202	9.99660
195	1854	101 38 43.2	97 38 18	234 6 30	341 50 54	9.84570	9.91083	9.96353
		101 38 13.1	97 23 13.5	233 33 13	342 8 8	9.85324	9.90640	9.96251
196	1854	74 51 13.8	94 28 53	198 1 12	352 47 53	9.98891	9.84457	9.87448
		74 51 9.2	94 0 45	196 17 16	353 30 44	9.99108	9.84114	9.87339
197	1854	129 56 22.3	60 21 0	297 58 38	344 5 58	9.96340	9.79576	9.94174
		129 55 46.7	61 36 5	299 35 41	344 40 42	9.96594	9.78805	9.94278
198	1854	287 1 50	325 48 47	232 33 24	272 2 44	9.99075	9.98445	9.52218
		286 59 49	327 16 31	233 54 4.5	273 24 1	9.99045	9.98389	9.52950
199	1855	323 5 46.2	264 49 16	332 40 48	356 35 50	9.99725	9.45831	9.98427
		323 5 28.2	263 56 28	328 41 34	356 1 42.5	9.99624	9.47148	9.98412
200	1855	20 39 51.6	192 12 37	270 30 10	317 54 0	9.96500	9.95409	9.76537
		20 37 47.6	190 44 10	269 15 4	317 12 52	9.96466	9.95608	9.76144

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
201	1855	325° 36′ 29″	40° 24′ 27″	132° 45′ 55″	106° 18′ 57″	9.99597	9.98124	9.50252
		325 40 24.4	38 56 37	131 22 39	104 40 55.5	9.99579	9.98082	9.50794
202	1857	121 34 54.5	87 40 15	241 15 4	342 11 37	9.82305	9.89296	9.98804
		121 34 23.2	87 46 15	240 46 14	342 34 28	9.83462	9.88537	9.98731
203	1857	13 59 31.3	191 48 50	110 38 53	44 48 40	9.94058	9.98429	9.74506
		14 1 4.4	193 22 35	111 46 3	45 15 45	9.94123	9.98561	9.73946
204	1857	134 5 59.5	78 7 53	156 1 2	14 9 37	9.97596	9.93067	9.78882
		134 6 28.6	77 18 38	154 38 14	14 55 12.5	9.97283	9.93305	9.79156
205	1857	180 58 22.3	286 25 13	197 49 50	323 54 50	9.99291	9.99607	9.34960
		180 57 40.2	287 38 37	199 6 25	322 29 40	9.99189	9.99631	9.36423
206	1857	124 49 45	82 23 12	165 32 24	9 39 35.5	9.99174	9.93221	9.74249
		124 50 7.6	81 34 12	164 5 7	10 34 38	9.98997	9.93362	9.74535
207	1857	95 5 30.4	305 36 38	64 34 17	18 35 12	9.95968	9.83386	9.92383
		95 6 14.7	304 16 30	63 2 55	17 59 40	9.96204	9.82751	9.92517
208	1857	174 34 37	237 45 38	149 19 8	115 13 22	9.99622	9.99103	9.38058
		174 36 0.7	239 6 50	150 35 23	117 20 41	9.99651	9.99128	9.37131
209	1858	206 49 26.3	355 46 20	249 16 24	331 36 3	9.76579	9.99116	9.92250
		206 48 26.6	358 12 36	250 1 29	331 46 48	9.76516	9.98941	9.92517
210	1858	162 4 56	202 25 58	115 55 38	86 7 42	9.99334	9.97551	9.56808
		162 8 39.5	203 46 59	117 11 40	87 24 52	9.99348	9.97611	9.56311
211	1858	25 15 46.1	260 3 0	170 6 37	91 8 48	9.99883	9.99995	8.87259
		25 15 51.2	261 20 12	171 23 0	92 44 7	9.99912	9.99996	8.81346
212	1858	98 51 40.7	97 17 24	226 25 44	344 23 4	9.90850	9.87721	9.94486
		98 51 17.4	96 56 16	225 20 35	344 52 0	9.91579	9.87060	9.94335
213	1858	129 6 48.4	277 30 13	80 3 33	6 23 33	9.98616	9.41433	9.99876
		129 6 46.8	276 49 44	78 32 23	5 50 55	9.98845	9.37833	9.99884
214	1858	155 32 14.7	290 24 27	27 38 20	12 17 50	9.99604	9.86519	9.84087
		155 32 45.7	289 4 35	25 54 40	11 30 7	9.99651	9.86356	9.84173
215	1859	282 0 7.6	90 28 12	187 37 18	358 5 2	9.99886	9.70161	9.93816
		282 0 11.2	90 18 49	185 5 48	358 43 26	9.99949	9.69972	9.93798
216	1860	209 42 21.2	82 6 32	245 0 50	345 49 25	9.90372	9.78942	9.99539
		209 42 45.3	82 30 13	244 30 8	346 16 51	9.91123	9.77714	9.99500
217	1860	41 19 34.4	94 57 3	20 54 56	3 6 8	9.99798	9.52005	9.97702
		41 19 52.3	95 53 30	24 34 12	3 41 3.5	9.99716	9.52847	9.97687
218	1860	76 49 14.6	147 14 0	112 9 56	23 29 6	9.34149	9.99275	9.99662
		76 50 17.2	152 54 58	112 19 27	23 34 12	9.31781	9.99441	9.99610
219	1860	352 16 44.8	345 37 26	90 20 5	37 13 37	9.94799	9.95173	9.80761
		352 18 21.1	344 2 15	89 24 55	36 35 53	9.94866	9.94919	9.81121
220	1861	213 25 45.8	95 29 35	119 39 14	11 5 55	9.94639	9.70047	9.99272
		213 25 15.6	95 48 31.5	118 46 21	11 35 13	9.94075	9.71577	9.99309
221	1861	330 7 20	58 36 10	246 55 20	336 44 5	9.18035	9.99506	9.99991
		330 6 23.2	62 54 39	246 57 15	336 50 4	9.23680	9.99347	9.99997
222	1861	331 35 45	298 46 30	62 34 37	15 31 37	9.96275	9.78804	9.94629
		331 36 19.4	297 32 24	60 57 28	14 57 14	9.96539	9.77989	9.94728
223	1862	182 30 30.7	63 32 14	329 33 37	341 51 6	9.99769	9.91372	9.76477
		182 31 37.6	64 33 24	330 55 43	342 46 35	9.99791	9.91300	9.76554
224	1862	97 15 14	124 42 40	213 19 50	229 13 36	9.99864	9.98081	9.37913
		97 12 35.7	123 21 47	212 2 19	227 31 54	9.99873	9.98108	9.47534
225	1862	152 44 53.5	291 12 24	99 1 46	16 11 13	9.88652	9.81062	9.99760
		152 46 4.7	290 15 39	98 42 8	15 44 33.5	9.89395	9.79894	9.99787

Tafel XIX.

Tafel der Gauss'schen Constanten für die nicht identischen Kometenbahnen.

No.	T	$\pi - \Omega$	A	B	C	$\log a$	$\log b$	$\log c$
226	1862	200° 35′ 50.3″	118° 2′ 48″	213° 16′ 12″	328° 28′ 55″	9.96327	9.99045	9.64903
		200 35 17.0	116 50 39	212 4 30	329 5 23	9.96594	9.98963	9.64148
227	1863	74 56 26.6	260 7 21	117 12 53	21 51 32	9.63000	9.97125	9.98703
		74 57 7.6	260 42 32	117 34 35	21 37 50	9.65187	9.96753	9.98602
228	1863	4 1 9	223 53 6	254 5 58	337 27 31	9.69960	9.95156	9.98867
		4 0 17	221 41 49	253 44 52	337 12 46	9.68795	9.95612	9.98779
229	1863	55 32 28.3	281 15 33	243 35 22	337 41 58	9.57421	9.97878	9.98939
		55 31 50.6	282 5 51	243 53 48	337 32 17	9.54778	9.98170	9.99028
230	1863	357 12 16.8	206 42 19	114 9 25	24 0 56	9.36120	9.99997	9.98824
		357 13 15.2	211 54 22	114 26 45	23 59 30	9.38201	9.99977	9.98725
231	1863	115 41 46.6	56 34 16	259 26 16	340 6 26	9.81630	9.89281	9.99123
		115 41 6.1	57 57 40	259 51 40	340 28 58	9.82540	9.88515	9.99188
232	1863	78 5 3	244 5 4	115 13 40	23 16 41	9.41258	9.99396	9.99126
		78 5 48.6	246 18 29	115 19 10	23 9 58	9.44674	9.99226	9.99039
233	1864	349 19 15.6	272 51 28	77 27 52.5	2 40 46	9.99753	9.04240	9.99982
		349 19 14.0	272 15 42	73 45 57	2 7 36	9.99845	8.94927	9.99984
234	1864	150 34 56.4	356 48 30	87 37 2.5	82 33 55.5	9.99978	9.96220	9.60314
		150 59 25.4	355 0 15	85 49 5	80 45 23	9.99954	9.92410	9.60400
235	1864	232 26 45.8	78 55 21	144 19 53	14 59 1	9.94498	9.89787	9.88872
		232 27 18.2	78 18 8	142 2 45	15 32 20	9.93960	9.90238	9.89085
236	1864	118 29 58	284 36 34	201 26 21.5	341 50 47	9.98258	9.96603	9.67309
		118 29 25.4	285 36 57	202 45 40	340 55 0	9.98028	9.96726	9.67780
237	1864	98 30 11.2	289 51 3	24 45 20	12 40 12.5	9.99764	9.88878	9.80726
		98 31 7.0	288 29 35	23 6 20	11 48 19	9.99795	9.88770	9.80805
238	1865	108 48 33.6	262 42 3	246 6 6	337 43 42	9.50613	9.97826	9.99834
		108 47 45.5	262 4 50	246 13 42	337 34 15	9.47392	9.98129	9.99868
239	1866	171 0 0	221 27 4	302 28 12	329 32 46	9.98849	9.91968	9.77652
		170 57 40	220 5 3	301 1 57	328 43 28	9.98801	9.92145	9.77864
240	1866	200 17 59.7	297 33 42.5	206 17 49	48 50 28	9.99812	9.98813	9.39548
		200 15 33.6	298 59 0	207 38 48	50 55 40	9.99795	9.98790	9.40180
241	1867	357 13 27.3	166 21 6	85 26 2	46 14 12	9.97893	9.95262	9.73024
		357 16 3.2	167 46 11	86 44 6	47 2 26	9.97861	9.95423	9.72654
242	1867	354 4 18.6	257 2 22	167 28 26	162 40 13	9.99988	9.97943	9.47928
		354 4 55.0	258 25 0	168 48 16	164 30 14	9.99990	9.97951	9.47830

Anmerkung. Diese Tafel giebt für jede der verschiedenen Kometenbahnen in zwei Zeilen $\pi - \Omega$ und die Gauss'schen Constanten, und zwar in der oberen für die Epoche 1750.0, in der unteren für 1850.0, mit Rücksicht auf die Schlussbemerkung der 46. Vorlesung.

Tafel XX.

Constanten-Tafel.

A. Mathematische Constanten.

		log
Basis der natürlichen Logarithmen . . . . . e	= 2.718281 83	0.43429448
Modul der Brigg'schen Logarithmen . . . . . M	= 0.434294 48	9.637 78431 — 10
Radius des Kreises in Graden . . . . . $r^0 = \frac{180}{\pi}$	= 57.295 78	1.758 12263
„ „ „ „ Minuten . . . . $r' = \frac{10800}{\pi}$	= 3437.7468	3.536 27388
„ „ „ „ Secunden . . . $r'' = \frac{648000}{\pi}$	= 206 264.806	5.314 42513
Umfang des Kreises in Graden	= 360°	2.556 302 50
„ „ „ „ Minuten	= 21600′	4.334 45375
„ „ „ „ Secunden	= 1 296 000″	6.112 60500
„ „ „ für $2r = 1$ . . . . . π	= 3.141 59265	0.497 149 87
Länge des Halbkreises für den Radius 1 . . . . π	= 3.141 59265	0.497 149 87
sin 1°	0.017 45241	8.241 8553 — 10
sin 1′	0.000 290 882	6.463 7261 — 10
sin 1″	0.000 004 848 137	4.685 5749 — 10

B. Astronomische Constanten.

Aequatorialhorizontalparallaxe der Sonne (Pariser Conferenz)	8″.80	0.944 48
Scheinbarer Sonnenhalbmesser (nach Auwers) . .	15′59″.63	
„ „ (nach Schur, aus 9jährigen Beobachtungen am 6zölligen Göttinger Heliometer)	16′ 0″.0	
Länge des Sternjahres nach Hansen u. Olufsen	365.256 3582 Tage	2.562 597 78
Länge des tropischen Jahres nach Hansen und Olufsen	365.242 2008 Tage	2.562 58095
Dieser Werth des tropischen Jahres gilt für 1850,0.	Die jährl. Variation ist — 0d,000 000 062 4.	
Nach Newcomb ist die:		
Dauer des siderischen Jahres	365.256 360 42 mittl. Tage	2 562 597 78
„ „ tropischen „	365.242 198 79 „ „	2.562 58094
„ „ julianischen „	365.25 „ „	2.562 590 22
Ein mittl. Sonnentag in Sterntagen = $24^h\,3^m\,56^s.555$	= 1.002 737 91 (Sterntage)	0.001 187 43
Ein Sterntag in mittl. Sonnentagen = $23^h\,56^m\,4^s.091$	= 0.997 269 57 (mittlere Sonnentage)	9.998 812 56 — 10
Anzahl der Secunden in einem Tage	= 86400^s	4.936 513 74
Lichtgeschwindigkeit (Pariser Conferenz) . . .	299 860 km pro Secunde mittlerer Zeit	*log* 5.476 918 5
Lichtzeit (Pariser Conferenz)	498^s.5 (498^s.46)	
Anziehungskraft d. Sonne k^2 (Gauss'sche Constante):		
k (in Theilen des Radius)	0.017 202 099	8.235 581 44 — 10
k (in Secunden)	3548″.187 61	3.550 006 57
Aberrationsconstante nach Struve	20″.445	
„ „ Nyrén	20″.492	
„ (Pariser Conferenz) . . .	20″.47	
Nutationsconstante nach Peters	9″.223	
„ (Pariser Conferenz) . . .	9″.21	
Mittlere Schiefe der Ekliptik 1750 + t nach Bessel	$23^0\,28'\,18''.00 - 0''.48368\,t$ — $0''.000\,002\,722\,95\,t^2$	
„ „ „ „ 1800 + t nach Struve und Peters	$23^0\,27'\,54''.22 - 0''.4738\,t - 0''.0000014\,t^2$	
Mittere Schiefe der Ekliptik 1900,0 (Newcomb)	$23^0\,27'\,8''.26 - 46''.845\,t$ — $0''.0059\,t^2 + 0''.00181\,t^3$	
Allgem. Präcession f. d. Jahr 1750 + t nach Bessel	$50''.211\,29 + 0''.000\,244\,2966\,t$	
„ „ „ „ „ 1750 + t nach Struve	$50''.229\,80 + 0''.000\,226\,t$	
„ „ „ „ „ 1850 + t (Newcomb)	$50''.245\,3 + 0''.000\,225\,t$	
Mittlere Entfernung Erde—Sonne (Pariser Conferenz, nach Gill)	149 465 000 km	
Mittlere Entfernung Erde—Sonne für die Parallaxe 8″.80 und die Bessel'schen Erddimensionen . .	149 480 976 km	

Tafel XX.

Constanten-Tafel.

Dimensionen der Erde.

A. nach Bessel[1]) (1841).

			log
Halbe grosse Axe (Radius des Aequators)	a	= 6377397.15 Meter	6.80464 346
Halbe kleine Axe (Umdrehungsaxe)	b	= 6356078.96 „	6.80318 928
Abplattung $\frac{a-b}{a} = \frac{1}{299.1528}$		= 0.0033428	7.52410 69 — 10
Excentricität der Erdmeridiane $\sqrt{\frac{a^2-b^2}{a^2}}$		= 0.08169683	8.91220 52 — 10
Ein Meridiangrad am Aequator		= 110563.68 Meter	5.04361 25
„ „ „ Pol		= 111679.90 „	5.04797 50
Ein Grad des Aequators		= 111306.58 „	5.04652 08
Eine geographische Meile = $^1/_{15}$ Grad des Aequators		= 7420.4385 „	3.87042 96
Radius d. Kugel von gleicher Oberfläche mit d. Erde		= 6370289.5 „	6.80415 92
Radius d. Kugel von gleichem Volumen mit d. Erde		= 6370283.2 „	6.80415 87
Schwerkraft im Niveau des Meeres für die geographische Breite φ	g	= $9^m.780$	0.99034
		+ $0^m.0519 \sin^2 \varphi$	0.7152 — 10
Länge des Secundenpendels im Niveau des Meeres und im luftleeren Raume für die geographische Breite φ	l	= $0^m.99092$	9.99604 — 10
		+ $0^m.005262 \sin^2 \varphi$	7.7212 — 10
Mittlere Dichtigkeit der Erde		= 5.54	0.7435
Oberfläche		= 509950714 Quadratkilometer	
Inhalt		= 1082841320000 Cubikkilometer	

B. nach Helmert (1907).

Halbe grosse Axe		6378200.00 Meter
Halbe kleine Axe		6356818.17 „
Abplattung $\frac{1}{298.3}$		0.0033523
Excentricität		0.0818133
Schwerkraft im Niveau des Meeres für die geographische Breite φ	g	= 9.7803 m + 0.0518 m $\sin^2 \varphi$
Länge des Secundenpendels im Niveau des Meeres und im luftleeren Raume für die geographische Breite φ	l	= 0.99095 m + 0.00525 m $\sin^2 \varphi$
Mittlere Dichtigkeit der Erde		= 5.52

C. nach Hayford[2]) (1910).

Halbe große Axe	6378388 ± 18 Meter (wahrsch. Fehler)
Halbe kleine Axe	6356909 Meter
Abplattung	1 : 297,0 ± 0.5

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[1]) Bessel giebt a und b, sowie die Abplattung in übertriebener Genauigkeit. Auch jetzt sind a und b höchstens auf circa 100 Meter bekannt und die Abplattung auf 0.1. Dass ausserdem a wesentlich grösser als bei Bessel angenommen werden muss (wahrscheinlich mehr als 700 Meter), ist nicht mehr zweifelhaft. —

[2]) Abgeleitet im Auftrag der Vermessungsbehörde der Vereinigten Staaten von Amerika, der *Coast and Geodetic Survey in Washington* aus einem grossen Beobachtungsmaterial. Cf. „*John J. Hayford, Supplementary investigation in 1909 of the Figure of the Earth and Isostasy. Washington 1910.*“ Dabei ist a ausserdem durch die Schweremessungen (1 : 298,3) controllirt. Dass die Genauigkeit der Hayford'schen Werthe indess etwas überschätzt ist, wurde von Seiten der ersten Autorität auf dem Gebiet nachgewiesen, in den Sitzungsberichten der physikalisch-mathematischen Classe der Königl. Preussischen Academie der Wissenschaften vom 12. Jan. 1911: „*Ueber die Genauigkeit der Dimensionen des Hayford'schen Erdellipsoides von F. R. Helmert.*“ Die kritische Betrachtung schliesst mit den Worten:

„Wenn wir die Ergebnisse der Untersuchung von Hayford nun auch etwas weniger genau finden, als die amerikanische Abhandlung 1910 angiebt, so bleiben sie doch jedenfalls noch so genau, dass ihre grosse Bedeutung für die Erkenntniss der Grösse und Gestalt der Erde dadurch nicht beeinträchtigt wird.“

Tafel XX.

Constanten-Tafel.

Bahnelemente der grossen Planeten.

Name	Epoche und mittl. Aequin. Berlin, 0^h M. Zt.	Mittlere Länge	Länge des Perihels	Länge des Knotens	Neigung gegen die Ekliptik	Excentricitätswinkel	Mittlere tägliche Bewegung	Log. der grossen Halbaxe	Autorität
☿ Merkur . .	1900 Jan. 0.0	178° 1′36″.50	75°53′58″.91	47° 8′45″.40	7° 0′10″.37	11°51′55″.64	14732″.41974	9.58782160	Newcomb.
♀ Venus . . .	1900 Jan. 0.0	342 42 26 .78	130 9 49 . 8	75 46 46 .73	3 23 37 .07	0 23 26 .88	5767 .66977	9.85933745	Newcomb.
♁ Erde . . .	1900 Jan. 0.0	99 39 36 .02	101 13 15 . 0	0 0 0 . 0	0 0 0 . 0	0 57 35 .31	3548 .19283	0.00000010	Newcomb.
♂ Mars . . .	1900 Jan. 0.0	293 43 41 .16	334 13 6 .88	48 47 9 .36	1 51 1 .32	5 21 14 .39	1886 .51862	0.18289616	Newcomb.
♃ Jupiter . .	1850 Jan. 0.0	159 56 13 .40	11 54 26 .72	98 55 58 .16	1 18 41 .81	2 45 56 .93	299 .12837656	0.71623737	Hill.
♄ Saturn . .	1850 Jan. 0.0	14 49 35 .47	90 6 39 .53	112 20 51 .38	2 29 39 .26	3 12 49 .42	120 .45504214	0.97949571	Hill.
♅ Uranus . .	1900 Jan. 0.0	243 21 43 .09	169 2 55 . 6	73 29 24 . 9	0 46 21 .60	2 41 47 .14	42 .23434	1.28309711	Newcomb.
♆ Neptun . .	1900 Jan. 0.0	85 1 29 .83	43 45 20 . 2	130 40 44 . 0	1 46 45 .32	0 29 20 .16	21 .53266	1.47814314	Newcomb.

Scheinbare Halbmesser der grossen Planeten,

reducirt auf die mittlere Entfernung Sonne—Erde.

Mercur		3″.38	Hartwig
Venus		8 .62	Hartwig
Mars		4 .68	Hartwig
Jupiter	Aequatorial-	97 .36	Schur
	Polar-	91 .10	Schur
Saturn	Aequatorial-	83 .32	Struve
	Polar-	74 .64	Struve
Uranus		34 .28	Hind
Neptun		36 .56	Barnard

Massen der grossen Planeten (Sonnenmasse = 1).

Mercur	Masse: 1 : 6000000	$\log m$: 3.22185 — 10	Newcomb	
Venus	„ 408000	4.38934 — 10	Newcomb	
Erde + Mond .	„ 329390	4.48229 — 10	Newcomb	
Mars	„ 3093500	3.50955 — 10	Hall	
Jupiter	„ 1047.355	6.979906 — 10	Newcomb	
Saturn	„ 3501.6	6.455733 — 10	Bessel	
Uranus	„ 22869	5.64075 — 10	Hill	
Neptun . . .	„ 19700	5.70553 — 10	Hill	