Anfangsgründe der niederen Geodäsie

Loewe, Hans

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Tabelle II. Additamente

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Tafel II.

Additamente.

Es bedeuten:

s die Länge des zum Winkel α'' gehörigen Erdbogens in Metern (s ist für den mittleren Krümmungsradius des 51sten Breitengrades berechnet).

A bedeutet das Additament für $\log \alpha''$ in Einheiten der 7ten Mantissenstelle.

Es ist $\log \alpha'' = \log s - 1{,}49052$.

Hierin ist $1{,}49052 = \frac{\log m + \log n}{2}$ für den 51sten Breitengrad. (Vergl. den Schluss der Erläuterungen.)

Log s dient als Argument zur Entnahme des Additaments für log arc α, log sin α und log tang α, wenn man es mit Erdbögen zu thun hat, also mit einer Kugel mit dem Radius $\sqrt{R_m R_n}$. Für diese Kugel ist $\log s = \log \text{arc}\, \alpha + \log \sqrt{R_m R_n}$, (da arc α = Bogenlänge für $R = 1$, — Theil I, § 31 —).

$\log \varrho'' = 5{,}3144251.$

$\text{cpl. } \log \varrho'' = 4{,}6855749 - 10.$

II. Additamente.

log α''	A	log s	log α''	A	log s	log α''	A	log s
	0		3,0814	25,0	4,5719	3,2330	50,0	4,7235
2,0836	0,5	3,5741	3,0857	25,5	4,5763	3,2352	50,5	4,7257
2,3221	1,0	3,8127	3,0900	26,0	4,5805	3,2373	51,0	4,7278
2,4331	1,5	3,9236	3,0942	26,5	4,5847	3,2395	51,5	4,7300
2,5061	2,0	3,9966	3,0983	27,0	4,5888	3,2416	52,0	4,7321
2,5601	2,5	4,0512	3,1023	27,5	4,5928	3,2437	52,5	4,7342
2,6043	3,0	4,0948	3,1062	28,0	4,5968	3,2457	53,0	4,7362
2,6406	3,5	4,1311	3,1101	28,5	4,6006	3,2478	53,5	4,7383
2,6716	4,0	4,1621	3,1139	29,0	4,6045	3,2498	54,0	4,7403
2,6988	4,5	4,1893	3,1177	29,5	4,6082	3,2518	54,5	4,7423
2,7230	5,0	4,2135	3,1214	30,0	4,6119	3,2538	55,0	4,7443
2,7447	5,5	4,2352	3,1250	30,5	4,6155	3,2558	55,5	4,7463
2,7644	6,0	4,2550	3,1285	31,0	4,6191	3,2577	56,0	4,7483
2,7826	6,5	4,2731	3,1320	31,5	4,6226	3,2597	56,5	4,7502
2,7993	7,0	4,2898	3,1355	32,0	4,6260	3,2616	57,0	4,7521
2,8148	7,5	4,3053	3,1389	32,5	4,6294	3,2635	57,5	4,7540
2,8293	8,0	4,3198	3,1422	33,0	4,6327	3,2654	58,0	4,7559
2,8428	8,5	4,3334	3,1455	33,5	4,6360	3,2673	58,5	4,7578
2,8556	9,0	4,3461	3,1488	34,0	4,6393	3,2691	59,0	4,7596
2,8677	9,5	4,3582	3,1519	34,5	4,6425	3,2710	59,5	4,7615
2,8791	10,0	4,3696	3,1551	35,0	4,6456	3,2728	60,0	4,7633
2,8899	10,5	4,3805	3,1582	35,5	4,6487	3,2746	60,5	4,7651
2,9003	11,0	4,3908	3,1613	36,0	4,6518	3,2764	61,0	4,7669
2,9102	11,5	4,4007	3,1643	36,5	4,6548	3,2782	61,5	4,7687
2,9196	12,0	4,4102	3,1672	37,0	4,6578	3,2799	62,0	4,7705
2,9287	12,5	4,4192	3,1702	37,5	4,6607	3,2817	62,5	4,7722
2,9374	13,0	4,4279	3,1731	38,0	4,6636	3,2834	63,0	4,7739
2,9457	13,5	4,4362	3,1759	38,5	4,6664	3,2851	63,5	4,7757
2,9538	14,0	4,4443	3,1787	39,0	4,6693	3,2869	64,0	4,7774
2,9615	14,5	4,4520	3,1815	39,5	4,6721	3,2885	64,5	4,7791
2,9690	15,0	4,4595	3,1843	40,0	4,6748	3,2902	65,0	4,7807
2,9762	15,5	4,4668	3,1870	40,5	4,6775	3,2919	65,5	4,7824
2,9833	16,0	4,4738	3,1897	41,0	4,6802	3,2936	66,0	4,7841
2,9900	16,5	4,4806	3,1923	41,5	4,6828	3,2952	66,5	4,7857
2,9966	17,0	4,4871	3,1949	42,0	4,6855	3,2968	67,0	4,7874
3,0030	17,5	4,4935	3,1975	42,5	4,6880	3,2985	67,5	4,7890
3,0092	18,0	4,4997	3,2001	43,0	4,6906	3,3001	68,0	4,7906
3,0152	18,5	4,5058	4,2026	43,5	4,6931	3,3017	68,5	4,7922
3,0211	19,0	4,5116	3,2051	44,0	4,6956	3,3032	69,0	4,7938
3,0268	19,5	4,5173	3,2076	44,5	4,6981	3,3048	69,5	4,7953
3,0324	20,0	4 5229	3,2100	45,0	4,7005	3,3064	70,0	4,7969
3,0378	20,5	4,5283	3,2124	45,5	4,7029	3,3079	70,5	4,7985
3,0431	21,0	4,5336	3,2148	46,0	4,7053	3,3095	71,0	4,8000
3,0483	21,5	4,5388	3,2172	46,5	4,7077	3,3110	71,5	4,8015
3,0533	22,0	4,5439	3,2195	47,0	4,7100	3,3125	72,0	4,8030
3,0583	22,5	4,5488	3,2218	47,5	4,7123	3,3140	72,5	4,8046
3,0631	23,0	4,5536	3,2241	48,0	4,7146	3,3155	73,0	4,8060
3,0678	23,5	4,5583	3,2264	48,5	4,7169	3,3170	73,5	4,8075
3,0724	24,0	4,5630	3,2286	49,0	4,7191	3,3185	74,0	4,8090
3,0770	24,5	4,5675	3,2308	49,5	4,7213	3,3200	74,5	4,8105
3,0814	25,0	4,5719	3,2330	50,0	4,7235	3,3214	75,0	4,8119

Additamente.

log a''	A	log s	log a''	A	log s	log a''	A	log s
3,3214	75,0	4,8119	3,3841	100,0	4,8746	3,4326	125,0	4,9232
3,3228	75,5	4,8134	3,3851	100,5	4,8757	3,4335	125,5	4,9240
3,3243	76,0	4,8148	3,3862	101,0	4,8768	3,4344	126,0	4,9249
3,3257	76,5	4,8162	3,3873	101,5	4,8778	3,4352	126,5	4,9257
3,3271	77,0	4,8177	3,3884	102,0	4,8789	3,4361	127,0	4,9266
3,3286	77,5	4,8191	3,3894	102,5	4,8800	3,4369	127,5	4,9275
3,3300	78,0	4,8205	3,3905	103,0	4,8810	3,4378	128,0	4,9283
3,3314	78,5	4,8219	3,3916	103,5	4,8821	3,4386	128,5	4,9292
3,3327	79,0	4,8233	3,3926	104,0	4,8831	3,4395	129,0	4,9300
3,3341	79,5	4,8246	3,3937	104,5	4,8842	3,4403	129,5	4,9308
3,3355	80,0	4,8260	3,3947	105,0	4,8852	3,4412	130,0	4,9317
3,3368	80,5	4,8274	3,3957	105,5	4,8862	3,4420	130,5	4,9325
3,3382	81,0	4,8287	3,3968	106,0	4,8873	3,4428	131,0	4,9334
3,3395	81,5	4,8300	3,3978	106,5	4,8883	3,4437	131,5	4,9342
3,3409	82,0	4,8314	3,3988	107,0	4,8893	3,4445	132,0	4,9350
3,3422	82,5	4,8327	3,3998	107,5	4,8903	3,4453	132,5	4,9358
3,3435	83,0	4,8340	3,4008	108,0	4,8913	3,4461	133,0	4,9366
3,3448	83,5	4,8353	3,4018	108,5	4,8923	3,4469	133,5	4,9375
3,3461	84,0	4,8366	3,4028	109,0	4,8933	3,4478	134,0	4,9383
3,3474	84,5	4,8379	3,4038	109,5	4,8943	3,4486	134,5	4,9391
3,3487	85,0	4,8392	3,4048	110,0	4,8953	3,4494	135,0	4,9399
3,3500	85,5	4,8405	3,4058	110,5	4,8963	3,4502	135,5	4,9407
3,3512	86,0	4,8417	3,4068	111,0	4,8973	3,4510	136,0	4,9415
3,3525	86,5	4,8430	3,4078	111,5	4,8983	3,4518	136,5	4,9423
3,3537	87,0	4,8443	3,4087	112,0	4,8993	3,4526	137,0	4,9431
3,3550	87,5	4,8455	3,4097	112,5	4,9002	3,4534	137,5	4,9439
3,3562	88,0	4,8466	3,4107	113,0	4,9012	3,4542	138,0	4,9447
3,3575	88,5	4,8480	3,4116	113,5	4,9021	3,4549	138,5	4,9455
3,3587	89,0	4,8492	3,4126	114,0	4,9031	3,4557	139,0	4,9462
3,3599	89,5	4,8504	3,4135	114,5	4,9041	3,4565	139,5	4,9470
3,3611	90,0	4,8516	3,4145	115,0	4,9050	3,4573	140,0	4,9478
3,3623	90,5	4,8529	3,4154	115,5	4,9060	3,4581	140,5	4,9486
3,3635	91,0	4,8541	3,4164	116,0	4,9069	3,4588	141,0	4,9494
3,3647	91,5	4,8552	3,4173	116,5	4,9078	3,4596	141,5	4,9501
3,3659	92,0	4,8564	3,4182	117,0	4,9088	3,4604	142,0	4,9509
3,3671	92,5	4,8576	3,4192	117,5	4,9097	3,4611	142,5	4,9517
3,3683	93,0	4,8588	3,4201	118,0	4,9106	3,4619	143,0	4,9524
3,3694	93,5	4,8599	3,4210	118,5	4,9115	3,4627	143,5	4,9532
3,3706	94,0	4,8611	3,4219	119,0	4,9124	3,4634	144,0	4,9539
3,3718	94,5	4,8623	3,4228	119,5	4,9134	3,4642	144,5	4,9547
3,3729	95,0	4,8634	3,4238	120,0	4,9143	3,4649	145,0	4,9554
3,3740	95,5	4,8646	3,4247	120,5	4,9152	3,4657	145,5	4,9562
3,3752	96,0	4,8657	3,4256	121,0	4,9161	3,4664	146,0	4,9569
3,3763	96,5	4,8668	3,4265	121,5	4,9170	3,4672	146,5	4,9577
3,3774	97,0	4,8679	3,4273	122,0	4,9179	3,4679	147,0	4,9584
3,3786	97,5	4,8691	3,4282	122,5	4,9188	3,4686	147,5	4,9592
3,3797	98,0	4,8702	3,4291	123,0	4,9196	3,4694	148,0	4,9599
3,3808	98,5	4,8713	3,4300	123,5	4,9205	3,4701	148,5	4,9606
3,3819	99,0	4,8724	3,4309	124,0	4,9214	3,4708	149,0	4,9614
3,3830	99,5	4,8735	4,4318	124,5	4,9223	3,4716	149,5	4,9621
3,3841	100,0	4,8746	4,4326	125,0	4,9232	3,4723	150,0	4,9628