

A reconstruction of Edward Sang's canon of sines (K41-K42,1881)

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1 Introduction

Edward Sang (1805–1890) was probably the greatest calculator of logarithms of the 19th century [4, 12, 13, 14, 26, 33]. Sang spent 40 years computing tables of logarithms and trigonometric functions, with the assistance from his daughters Flora (1838–1925) and Jane (1834–1878). The result fills about 50 manuscript volumes, plus a number of transfer duplicates, which are kept at Edinburgh University Library and at the National Library of Scotland, Edinburgh. I have reconstructed a number of these tables and an overview of the tables and reconstructions can be found in a separate guide [37].

Sang’s purpose was in particular to provide fundamental tables, including for the decimal division of the quadrant. In 1890 [4, p. 189], he wrote that

In addition to the results being accurate to a degree far beyond what can ever be needed in practical matters, [the collection of computations] contains what no work of the kind has contained before, a complete and clear record of all the steps by which those results were reached. Thus we are enabled at once to verify, or if necessary, to correct the record, so making it a standard for all time.

For these reasons it is proposed that the entire collection be acquired by, and preserved in, some official library, so as to be accessible to all interested in such matters; so that future computers may be enabled to extend the work without the need of recomputing what has been already done; and also so that those extracts which are judged to be expedient may be published.

2 Canon of sines

In the second half of the 1870s, Sang worked on the construction of a canon of sines [38]. This canon was built in three stages. First, Sang computed the sines at intervals of $25'$. Then he constructed a second table at intervals of $5'$. These two tables are found in volume K40, but I have reconstructed them in two separate volumes [46, 47].

Finally, Sang constructed a canon of sines at $1'$ intervals, spanning 500 pages, with 20 sines per page. This canon is found in volumes K41 and K42 and I have gathered their reconstruction in the present document. In his summary of tables drawn in July 1890 [70, 4], Sang describes the current volume:

These volumes contain the sines to 15 places of arcs differing by $1'$, with their first and second differences, the computation having been facilitated by a table of 1000 multiples of $2 \text{ ver. } 1'$. The table has been bound in two parts, for the convenience of referring to the sine and to the cosine of an arc.

Sang’s table seems to be very accurate, and there are apparently almost no deviations from my reconstruction. On the last page of his table, Sang gives the sine of $99^\circ 99'$ as 0.99999 99876 62994 but there is a question mark in the margin. Either Sang, or someone else, noticed that this value is off by one unit of the 15th place. There is, incidentally, also a question mark next to the sine of $51^\circ 12'$, although the value of the sine is correct. There are possibly other errors, but the samples I have taken suggest that Sang’s table is almost entirely correct.

74	Sine.	74	Sine.
00	.91775 46256 83981 6 23725 22180 226 46227	10	.91837 73316 41088 6 21459 90751 226 61585
01	.91781 69982 06161 6 23498 75953 226 47764	11	.91843 94776 81839 6 21233 29166 226 63119
02	.91787 93480 82114 6 23272 28189 226 49304	12	.91850 16009 61005 6 21006 66047 226 64651
03	.91794 16753 10303 6 23045 78885 226 50840	13	.91856 37016 27052 6 20780 01396 226 66182
04	.91800 39798 89188 6 22819 28045 226 52377	14	.91862 57796 28448 6 20553 35214 226 67714
05	.91806 62618 17233 6 22592 75668 226 53913	15	.91868 78349 63662 6 20326 67500 226 69245
06	.91812 85210 92901 6 22366 21755 226 55449	16	.91874 98676 31162 6 20099 98255 226 70373
07	.91819 07577 14656 6 22139 66306 226 56984	17	.91881 18776 29417 6 19873 27482 226 72305
08	.91825 29716 80962 6 21913 09322 226 58518	18	.91887 38649 56899 6 19646 55177 226 73832
09	.91831 51629 90284 6 21686 50804 226 60053	19	.91893 58296 12076 6 19419 81345 226 75361

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Figure 1: Excerpt from Sang's table of sines to 1' intervals. (Courtesy Edinburgh University Library)

References

The following list covers the most important references¹ related to Sang's table. Not all items of this list are mentioned in the text, and the sources which have not been seen are marked so. I have added notes about the contents of the articles in certain cases.

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- [8] Johann Karl Burckhardt. *Table des diviseurs pour tous les nombres du troisième million, ou plus exactement, depuis 2028000 à 3036000, avec les nombres premiers qui s'y trouvent*. Paris: Veuve Courcier, 1816. [also published in [9] together with [10] and [7]]

¹**Note on the titles of the works:** Original titles come with many idiosyncrasies and features (line splitting, size, fonts, etc.) which can often not be reproduced in a list of references. It has therefore seemed pointless to capitalize works according to conventions which not only have no relation with the original work, but also do not restore the title entirely. In the following list of references, most title words (except in German) will therefore be left uncapitalized. The names of the authors have also been homogenized and initials expanded, as much as possible.

The reader should keep in mind that this list is not meant as a facsimile of the original works. The original style information could no doubt have been added as a note, but I have not done it here.

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Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

0^c	Sine.			0^c	Sine.		
00'	.00000	00000	00000	10'	.00157	07956	80831
	+ 15	70796	32034		+ 15	70794	18865
	-		3877		-		42633
01	.00015	70796	32034	11	.00172	78750	99696
	+ 15	70796	28157		+ 15	70793	76232
	-		7751		-		46509
02	.00031	41592	60191	12	.00188	49544	75928
	+ 15	70796	20406		+ 15	70793	29723
	-		11627		-		50386
03	.00047	12388	80597	13	.00204	20338	05651
	+ 15	70796	08779		+ 15	70792	79337
	-		15503		-		54261
04	.00062	83184	89376	14	.00219	91130	84988
	+ 15	70795	93276		+ 15	70792	25076
	-		19379		-		58136
05	.00078	53980	82652	15	.00235	61923	10064
	+ 15	70795	73897		+ 15	70791	66940
	-		23255		-		62013
06	.00094	24776	56549	16	.00251	32714	77004
	+ 15	70795	50642		+ 15	70791	04927
	-		27131		-		65888
07	.00109	95572	07191	17	.00267	03505	81931
	+ 15	70795	23511		+ 15	70790	39039
	-		31005		-		69764
08	.00125	66367	30702	18	.00282	74296	20970
	+ 15	70794	92506		+ 15	70789	69275
	-		34883		-		73640
09	.00141	37162	23208	19	.00298	45085	90245
	+ 15	70794	57623		+ 15	70788	95635
	-		38758		-		77516

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

0^c	Sine.				0^c	Sine.			
20'	.00314	15874	85880		30'	.00471	23715	39373	
	+	15	70788	18119		+	15	70778	29798
	-			81391		-		1	20150
21	.00329	86663	03999		31	.00486	94493	69171	
	+	15	70787	36728		+	15	70777	09648
	-			85267		-		1	24024
22	.00345	57450	40727		32	.00502	65270	78819	
	+	15	70786	51461		+	15	70775	85624
	-			89143		-		1	27901
23	.00361	28236	92188		33	.00518	36046	64443	
	+	15	70785	62318		+	15	70774	57723
	-			93018		-		1	31776
24	.00376	99022	54506		34	.00534	06821	22166	
	+	15	70784	69300		+	15	70773	25947
	-			96895		-		1	35651
25	.00392	69807	23806		35	.00549	77594	48113	
	+	15	70783	72405		+	15	70771	90296
	-			1 00770		-		1	39528
26	.00408	40590	96211		36	.00565	48366	38409	
	+	15	70782	71635		+	15	70770	50768
	-			1 04645		-		1	43403
27	.00424	11373	67846		37	.00581	19136	89177	
	+	15	70781	66990		+	15	70769	07365
	-			1 08523		-		1	47279
28	.00439	82155	34836		38	.00596	89905	96542	
	+	15	70780	58467		+	15	70767	60086
	-			1 12397		-		1	51155
29	.00455	52935	93303		39	.00612	60673	56628	
	+	15	70779	46070		+	15	70766	08931
	-			1 16272		-		1	55030

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

	Sine.					Sine.			
0°					0°				
40'	.00628	31439	65559		50'	.00785	39008	88711	
	+ 15	70764	53901			+ 15	70746	90434	
	-	1	58906			-	1	97662	
41	.00644	02204	19460		51	.00801	09755	79145	
	+ 15	70762	94995			+ 15	70744	92772	
	-	1	62782			-	2	01540	
42	.00659	72967	14455		52	.00816	80500	71917	
	+ 15	70761	32213			+ 15	70742	91232	
	-	1	66658			-	2	05413	
43	.00675	43728	46668		53	.00832	51243	63149	
	+ 15	70759	65555			+ 15	70740	85819	
	-	1	70532			-	2	09291	
44	.00691	14488	12223		54	.00848	21984	48968	
	+ 15	70757	95023			+ 15	70738	76528	
	-	1	74410			-	2	13165	
45	.00706	85246	07246		55	.00863	92723	25496	
	+ 15	70756	20613			+ 15	70736	63363	
	-	1	78284			-	2	17041	
46	.00722	56002	27859		56	.00879	63459	88859	
	+ 15	70754	42329			+ 15	70734	46322	
	-	1	82160			-	2	20917	
47	.00738	26756	70188		57	.00895	34194	35181	
	+ 15	70752	60169			+ 15	70732	25405	
	-	1	86036			-	2	24792	
48	.00753	97509	30357		58	.00911	04926	60586	
	+ 15	70750	74133			+ 15	70730	00613	
	-	1	89912			-	2	28668	
49	.00769	68260	04490		59	.00926	75656	61199	
	+ 15	70748	84221			+ 15	70727	71945	
	-	1	93787			-	2	32544	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

0^c	Sine.			0^c	Sine.				
60'	.00942	46384	33144	70'	.01099	53527	23218		
	+	15	70725	39401		+	15	70700	00807
	-		2	36419		-		2	75174
61	.00958	17109	72545	71	.01115	24227	24025		
	+	15	70723	02982		+	15	70697	25633
	-		2	40295		-		2	79051
62	.00973	87832	75527	72	.01130	94924	49658		
	+	15	70720	62687		+	15	70694	46582
	-		2	44170		-		2	82927
63	.00989	58553	38214	73	.01146	65618	96240		
	+	15	70718	18517		+	15	70691	63655
	-		2	48047		-		2	86801
64	.01005	29271	56731	74	.01162	36310	59895		
	+	15	70715	70470		+	15	70688	76854
	-		2	51921		-		2	90677
65	.01020	99987	27201	75	.01178	06999	36749		
	+	15	70713	18549		+	15	70685	86177
	-		2	55797		-		2	94553
66	.01036	70700	45750	76	.01193	77685	22926		
	+	15	70710	62752		+	15	70682	91624
	-		2	59673		-		2	98427
67	.01052	41411	08502	77	.01209	48368	14550		
	+	15	70708	03079		+	15	70679	93197
	-		2	63549		-		3	02305
68	.01068	12119	11581	78	.01225	19048	07747		
	+	15	70705	39530		+	15	70676	90892
	-		2	67423		-		3	06178
69	.01083	82824	51111	79	.01240	89724	98639		
	+	15	70702	72107		+	15	70673	84714
	-		2	71300		-		3	10056

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

0^c	Sine.				0^c	Sine.			
80'	.01256	60398	83353		90'	.01413	66960	38033	
	+ 15	70670	74658			+ 15	70637	60963	
	-	3	13929			-	3	52685	
81	.01272	31069	58011		91	.01429	37597	98996	
	+ 15	70667	60729			+ 15	70634	08278	
	-	3	17806			-	3	56559	
82	.01288	01737	18740		92	.01445	08232	07274	
	+ 15	70664	42923			+ 15	70630	51719	
	-	3	21680			-	3	60435	
83	.01303	72401	61663		93	.01460	78862	58993	
	+ 15	70661	21243			+ 15	70626	91284	
	-	3	25558			-	3	64311	
84	.01319	43062	82906		94	.01476	49489	50277	
	+ 15	70657	95685			+ 15	70623	26973	
	-	3	29431			-	3	68186	
85	.01335	13720	78591		95	.01492	20112	77250	
	+ 15	70654	66254			+ 15	70619	58787	
	-	3	33307			-	3	72061	
86	.01350	84375	44845		96	.01507	90732	36037	
	+ 15	70651	32947			+ 15	70615	86726	
	-	3	37184			-	3	75936	
87	.01366	55026	77792		97	.01523	61348	22763	
	+ 15	70647	95763			+ 15	70612	10790	
	-	3	41057			-	3	79813	
88	.01382	25674	73555		98	.01539	31960	33553	
	+ 15	70644	54706			+ 15	70608	30977	
	-	3	44934			-	3	83686	
89	.01397	96319	28261		99	.01555	02568	64530	
	+ 15	70641	09772			+ 15	70604	47291	
	-	3	48809			-	3	87563	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

1^c	Sine.			1^c	Sine.		
00'	.01570	73173	11821	10'	.01727	78998	29365
	+ 15	70600	59728		+ 15	70559	70962
	-	3	91438		-	4	30189
01	.01586	43773	71549	11	.01743	49558	00327
	+ 15	70596	68290		+ 15	70555	40773
	-	3	95313		-	4	34066
02	.01602	14370	39839	12	.01759	20113	41100
	+ 15	70592	72977		+ 15	70551	06707
	-	3	99189		-	4	37941
03	.01617	84963	12816	13	.01774	90664	47807
	+ 15	70588	73788		+ 15	70546	68766
	-	4	03063		-	4	41816
04	.01633	55551	86604	14	.01790	61211	16573
	+ 15	70584	70725		+ 15	70542	26950
	-	4	06939		-	4	45690
05	.01649	26136	57329	15	.01806	31753	43523
	+ 15	70580	63786		+ 15	70537	81260
	-	4	10814		-	4	49567
06	.01664	96717	21115	16	.01822	02291	24783
	+ 15	70576	52972		+ 15	70533	31693
	-	4	14690		-	4	53441
07	.01680	67293	74087	17	.01837	72824	56476
	+ 15	70572	38282		+ 15	70528	78252
	-	4	18564		-	4	57316
08	.01696	37866	12369	18	.01853	43353	34728
	+ 15	70568	19718		+ 15	70524	20936
	-	4	22440		-	4	61192
09	.01712	08434	32087	19	.01869	13877	55664
	+ 15	70563	97278		+ 15	70519	59744
	-	4	26316		-	4	65066

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

1^c	Sine.			1^c	Sine.				
20'	.01884	84397	15408	30'	.02041	89330	94800		
	+	15	70514	94678		+	15	70466	30884
	-		4	68942		-		5	07693
21	.01900	54912	10086	31	.02057	59797	25684		
	+	15	70510	25736		+	15	70461	23191
	-		4	72817		-		5	11566
22	.01916	25422	35822	32	.02073	30258	48875		
	+	15	70505	52919		+	15	70456	11625
	-		4	76692		-		5	15442
23	.01931	95927	88741	33	.02089	00714	60500		
	+	15	70500	76227		+	15	70450	96183
	-		4	80567		-		5	19317
24	.01947	66428	64968	34	.02104	71165	56683		
	+	15	70495	95660		+	15	70445	76866
	-		4	84441		-		5	23192
25	.01963	36924	60628	35	.02120	41611	33549		
	+	15	70491	11219		+	15	70440	53674
	-		4	88318		-		5	27066
26	.01979	07415	71847	36	.02136	12051	87223		
	+	15	70486	22901		+	15	70435	26608
	-		4	92191		-		5	30942
27	.01994	77901	94748	37	.02151	82487	13831		
	+	15	70481	30710		+	15	70429	95666
	-		4	96068		-		5	34816
28	.02010	48383	25458	38	.02167	52917	09497		
	+	15	70476	34642		+	15	70424	60850
	-		4	99942		-		5	38692
29	.02026	18859	60100	39	.02183	23341	70347		
	+	15	70471	34700		+	15	70419	22158
	-		5	03816		-		5	42565

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

1^c	Sine.			1^c	Sine.		
40'	.02198	93760	92505	50'	.02355	97648	33610
	+ 15	70413	79593		+ 15	70357	40818
	-	5	46442		-	5	85190
41	.02214	64174	72098	51	.02371	68005	74428
	+ 15	70408	33151		+ 15	70351	55628
	-	5	50315		-	5	89062
42	.02230	34583	05249	52	.02387	38357	30056
	+ 15	70402	82836		+ 15	70345	66566
	-	5	54191		-	5	92939
43	.02246	04985	88085	53	.02403	08702	96622
	+ 15	70397	28645		+ 15	70339	73627
	-	5	58066		-	5	96812
44	.02261	75383	16730	54	.02418	79042	70249
	+ 15	70391	70579		+ 15	70333	76815
	-	5	61939		-	6	00687
45	.02277	45774	87309	55	.02434	49376	47064
	+ 15	70386	08640		+ 15	70327	76128
	-	5	65815		-	6	04562
46	.02293	16160	95949	56	.02450	19704	23192
	+ 15	70380	42825		+ 15	70321	71566
	-	5	69691		-	6	08437
47	.02308	86541	38774	57	.02465	90025	94758
	+ 15	70374	73134		+ 15	70315	63129
	-	5	73563		-	6	12311
48	.02324	56916	11908	58	.02481	60341	57887
	+ 15	70368	99571		+ 15	70309	50818
	-	5	77440		-	6	16186
49	.02340	27285	11479	59	.02497	30651	08705
	+ 15	70363	22131		+ 15	70303	34632
	-	5	81313		-	6	20059

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

1^c	Sine.				1^c	Sine.			
60'	.02513	00954	43337		70'	.02670	03640	47052	
	+ 15	70297	14573			+ 15	70233	00872	
	-	6	23936			-	6	62679	
61	.02528	71251	57910		71	.02685	73873	47924	
	+ 15	70290	90637			+ 15	70226	38193	
	-	6	27809			-	6	66555	
62	.02544	41542	48547		72	.02701	44099	86117	
	+ 15	70284	62828			+ 15	70219	71638	
	-	6	31684			-	6	70427	
63	.02560	11827	11375		73	.02717	14319	57755	
	+ 15	70278	31144			+ 15	70213	01211	
	-	6	35558			-	6	74304	
64	.02575	82105	42519		74	.02732	84532	58966	
	+ 15	70271	95586			+ 15	70206	26907	
	-	6	39433			-	6	78176	
65	.02591	52377	38105		75	.02748	54738	85873	
	+ 15	70265	56153			+ 15	70199	48731	
	-	6	43307			-	6	82051	
66	.02607	22642	94258		76	.02764	24938	34604	
	+ 15	70259	12846			+ 15	70192	66680	
	-	6	47182			-	6	85926	
67	.02622	92902	07104		77	.02779	95131	01284	
	+ 15	70252	65664			+ 15	70185	80754	
	-	6	51057			-	6	89799	
68	.02638	63154	72768		78	.02795	65316	82038	
	+ 15	70246	14607			+ 15	70178	90955	
	-	6	54930			-	6	93675	
69	.02654	33400	87375		79	.02811	35495	72993	
	+ 15	70239	59677			+ 15	70171	97280	
	-	6	58805			-	6	97548	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

1^c	Sine.			1^c	Sine.		
80'	.02827	05667	70273	90'	.02984	06997	38681
	+	15	70164	99732		+	15
	-		7	01422		-	7
81	.02842	75832	70005	91	.02999	77090	49851
	+	15	70157	98310		+	15
	-		7	05297		-	7
82	.02858	45990	68315	92	.03015	47176	20857
	+	15	70150	93013		+	15
	-		7	09171		-	7
83	.02874	16141	61328	93	.03031	17254	47825
	+	15	70143	83842		+	15
	-		7	13045		-	7
84	.02889	86285	45170	94	.03046	87325	26881
	+	15	70136	70797		+	15
	-		7	16919		-	7
85	.02905	56422	15967	95	.03062	57388	54152
	+	15	70129	53878		+	15
	-		7	20794		-	7
86	.02921	26551	69845	96	.03078	27444	25763
	+	15	70122	33084		+	15
	-		7	24667		-	7
87	.02936	96674	02929	97	.03093	97492	37839
	+	15	70115	08417		+	15
	-		7	28542		-	7
88	.02952	66789	11346	98	.03109	67532	86509
	+	15	70107	79875		+	15
	-		7	32415		-	7
89	.02968	36896	91221	99	.03125	37565	67896
	+	15	70100	47460		+	15
	-		7	36290		-	7

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

2^c	Sine.			2^c	Sine.		
00'	.03141	07590	78128	10'	.03298	07409	14650
	+ 15	70017	35203		+ 15	69937	71849
	-	7	78904		-	8	17640
01	.03156	77608	13331	11	.03313	77346	86499
	+ 15	70009	56299		+ 15	69929	54209
	-	7	82776		-	8	21515
02	.03172	47617	69630	12	.03329	47276	40708
	+ 15	70001	73523		+ 15	69921	32694
	-	7	86652		-	8	25388
03	.03188	17619	43153	13	.03345	17197	73402
	+ 15	69993	86871		+ 15	69913	07306
	-	7	90525		-	8	29262
04	.03203	87613	30024	14	.03360	87110	80708
	+ 15	69985	96346		+ 15	69904	78044
	-	7	94398		-	8	33135
05	.03219	57599	26370	15	.03376	57015	58752
	+ 15	69978	01948		+ 15	69896	44909
	-	7	98272		-	8	37009
06	.03235	27577	28318	16	.03392	26912	03661
	+ 15	69970	03676		+ 15	69888	07900
	-	8	02146		-	8	40883
07	.03250	97547	31994	17	.03407	96800	11561
	+ 15	69962	01530		+ 15	69879	67017
	-	8	06020		-	8	44755
08	.03266	67509	33524	18	.03423	66679	78578
	+ 15	69953	95510		+ 15	69871	22262
	-	8	09894		-	8	48630
09	.03282	37463	29034	19	.03439	36551	00840
	+ 15	69945	85616		+ 15	69862	73632
	-	8	13767		-	8	52502

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

2^c	Sine.			2^c	Sine.		
20'	.03455	06413	74472	30'	.03612	04565	84021
	+ 15	69854	21130		+ 15	69766	83064
	-	8	56377		-	8	95110
21	.03470	76267	95602	31	.03627	74332	67085
	+ 15	69845	64753		+ 15	69757	87954
	-	8	60250		-	8	98984
22	.03486	46113	60355	32	.03643	44090	55039
	+ 15	69837	04503		+ 15	69748	88970
	-	8	64123		-	9	02855
23	.03502	15950	64858	33	.03659	13839	44009
	+ 15	69828	40380		+ 15	69739	86115
	-	8	67997		-	9	06730
24	.03517	85779	05238	34	.03674	83579	30124
	+ 15	69819	72383		+ 15	69730	79385
	-	8	71869		-	9	10602
25	.03533	55598	77621	35	.03690	53310	09509
	+ 15	69811	00514		+ 15	69721	68783
	-	8	75744		-	9	14476
26	.03549	25409	78135	36	.03706	23031	78292
	+ 15	69802	24770		+ 15	69712	54307
	-	8	79617		-	9	18349
27	.03564	95212	02905	37	.03721	92744	32599
	+ 15	69793	45153		+ 15	69703	35958
	-	8	83490		-	9	22222
28	.03580	65005	48058	38	.03737	62447	68557
	+ 15	69784	61663		+ 15	69694	13736
	-	8	87363		-	9	26094
29	.03596	34790	09721	39	.03753	32141	82293
	+ 15	69775	74300		+ 15	69684	87642
	-	8	91236		-	9	29969

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

2^c	Sine.				2^c	Sine.			
40'	.03769	01826	69935		50'	.03925	98157	59069	
	+ 15	69675	57673			+ 15	69580	44981	
	-	9	33841			-	9	72570	
41	.03784	71502	27608		51	.03941	67738	04050	
	+ 15	69666	23832			+ 15	69570	72411	
	-	9	37713			-	9	76442	
42	.03800	41168	51440		52	.03957	37308	76461	
	+ 15	69656	86119			+ 15	69560	95969	
	-	9	41588			-	9	80315	
43	.03816	10825	37559		53	.03973	06869	72430	
	+ 15	69647	44531			+ 15	69551	15654	
	-	9	45459			-	9	84189	
44	.03831	80472	82090		54	.03988	76420	88084	
	+ 15	69637	99072			+ 15	69541	31465	
	-	9	49334			-	9	88061	
45	.03847	50110	81162		55	.04004	45962	19549	
	+ 15	69628	49738			+ 15	69531	43404	
	-	9	53205			-	9	91933	
46	.03863	19739	30900		56	.04020	15493	62953	
	+ 15	69618	96533			+ 15	69521	51471	
	-	9	57079			-	9	95806	
47	.03878	89358	27433		57	.04035	85015	14424	
	+ 15	69609	39454			+ 15	69511	55665	
	-	9	60951			-	9	99679	
48	.03894	58967	66887		58	.04051	54526	70089	
	+ 15	69599	78503			+ 15	69501	55986	
	-	9	64824			-	10	03551	
49	.03910	28567	45390		59	.04067	24028	26075	
	+ 15	69590	13679			+ 15	69491	52435	
	-	9	68698			-	10	07424	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

2^c	Sine.			2^c	Sine.				
60'	.04082	93519	78510	70'	.04239	87874	55584		
	+	15	69481	45011		+	15	69378	57787
	-		10	11297		-		10	50021
61	.04098	63001	23521	71	.04255	57253	13371		
	+	15	69471	33714		+	15	69368	07766
	-		10	15168		-		10	53893
62	.04114	32472	57235	72	.04271	26621	21137		
	+	15	69461	18546		+	15	69357	53873
	-		10	19042		-		10	57764
63	.04130	01933	75781	73	.04286	95978	75010		
	+	15	69450	99504		+	15	69346	96109
	-		10	22913		-		10	61638
64	.04145	71384	75285	74	.04302	65325	71119		
	+	15	69440	76591		+	15	69336	34471
	-		10	26788		-		10	65509
65	.04161	40825	51876	75	.04318	34662	05590		
	+	15	69430	49803		+	15	69325	68962
	-		10	30657		-		10	69381
66	.04177	10256	01679	76	.04334	03987	74552		
	+	15	69420	19146		+	15	69314	99581
	-		10	34532		-		10	73254
67	.04192	79676	20825	77	.04349	73302	74133		
	+	15	69409	84614		+	15	69304	26327
	-		10	38404		-		10	77126
68	.04208	49086	05439	78	.04365	42607	00460		
	+	15	69399	46210		+	15	69293	49201
	-		10	42275		-		10	80997
69	.04224	18485	51649	79	.04381	11900	49661		
	+	15	69389	03935		+	15	69282	68204
	-		10	46148		-		10	84870

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

2^c	Sine.			2^c	Sine.		
80'	.04396	81183	17865	90'	.04553	73406	93184
	+	15	69271	83334		+	15
	-		10	88743		-	11
81	.04412	50455	01199	91	.04569	42568	14863
	+	15	69260	94591		+	15
	-		10	92613		-	11
82	.04428	19715	95790	92	.04585	11718	09081
	+	15	69250	01978		+	15
	-		10	96485		-	11
83	.04443	88965	97768	93	.04600	80856	71967
	+	15	69239	05493		+	15
	-		11	00359		-	11
84	.04459	58205	03261	94	.04616	49983	99648
	+	15	69228	05134		+	15
	-		11	04229		-	11
85	.04475	27433	08395	95	.04632	19099	88254
	+	15	69217	00905		+	15
	-		11	08102		-	11
86	.04490	96650	09300	96	.04647	88204	33913
	+	15	69205	92803		+	15
	-		11	11973		-	11
87	.04506	65856	02103	97	.04663	57297	32753
	+	15	69194	80830		+	15
	-		11	15846		-	11
88	.04522	35050	82933	98	.04679	26378	80902
	+	15	69183	64984		+	15
	-		11	19717		-	11
89	.04538	04234	47917	99	.04694	95448	74489
	+	15	69172	45267		+	15
	-		11	23588		-	11

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

3^c	Sine.				3^c	Sine.			
00'	.04710	64507	09643		10'	.04867	54444	95616	
	+ 15	69046	72848			+ 15	68928	36872	
	-	11	66176			-	12	04890	
01	.04726	33553	82491		11	.04883	23373	32488	
	+ 15	69035	06672			+ 15	68916	31982	
	-	11	70048			-	12	08760	
02	.04742	02588	89163		12	.04898	92289	64470	
	+ 15	69023	36624			+ 15	68904	23222	
	-	11	73919			-	12	12633	
03	.04757	71612	25787		13	.04914	61193	87692	
	+ 15	69011	62705			+ 15	68892	10589	
	-	11	77792			-	12	16502	
04	.04773	40623	88492		14	.04930	30085	98281	
	+ 15	68999	84913			+ 15	68879	94087	
	-	11	81661			-	12	20375	
05	.04789	09623	73405		15	.04945	98965	92368	
	+ 15	68988	03252			+ 15	68867	73712	
	-	11	85534			-	12	24245	
06	.04804	78611	76657		16	.04961	67833	66080	
	+ 15	68976	17718			+ 15	68855	49467	
	-	11	89404			-	12	28115	
07	.04820	47587	94375		17	.04977	36689	15547	
	+ 15	68964	28314			+ 15	68843	21352	
	-	11	93277			-	12	31988	
08	.04836	16552	22689		18	.04993	05532	36899	
	+ 15	68952	35037			+ 15	68830	89364	
	-	11	97147			-	12	35857	
09	.04851	85504	57726		19	.05008	74363	26263	
	+ 15	68940	37890			+ 15	68818	53507	
	-	12	01018			-	12	39730	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

3^c	Sine.			3^c	Sine.				
20'	.05024	43181	79770	30'	.05181	30678	91062		
	+	15	68806	13777		+	15	68680	03596
	-		12	43599		-		12	82307
21	.05040	11987	93547	31	.05196	99358	94658		
	+	15	68793	70178		+	15	68667	21289
	-		12	47471		-		12	86177
22	.05055	80781	63725	32	.05212	68026	15947		
	+	15	68781	22707		+	15	68654	35112
	-		12	51341		-		12	90048
23	.05071	49562	86432	33	.05228	36680	51059		
	+	15	68768	71366		+	15	68641	45064
	-		12	55212		-		12	93918
24	.05087	18331	57798	34	.05244	05321	96123		
	+	15	68756	16154		+	15	68628	51146
	-		12	59084		-		12	97789
25	.05102	87087	73952	35	.05259	73950	47269		
	+	15	68743	57070		+	15	68615	53357
	-		12	62953		-		13	01658
26	.05118	55831	31022	36	.05275	42566	00626		
	+	15	68730	94117		+	15	68602	51699
	-		12	66824		-		13	05531
27	.05134	24562	25139	37	.05291	11168	52325		
	+	15	68718	27293		+	15	68589	46168
	-		12	70695		-		13	09399
28	.05149	93280	52432	38	.05306	79757	98493		
	+	15	68705	56598		+	15	68576	36769
	-		12	74566		-		13	13271
29	.05165	61986	09030	39	.05322	48334	35262		
	+	15	68692	82032		+	15	68563	23498
	-		12	78436		-		13	17139

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

3^c	Sine.				3^c	Sine.			
40'	.05338	16897	58760		50'	.05495	01799	12446	
	+ 15	68550	06359			+ 15	68416	22096	
	-	13	21012			-	13	59711	
41	.05353	85447	65119		51	.05510	70215	34542	
	+ 15	68536	85347			+ 15	68402	62385	
	-	13	24880			-	13	63581	
42	.05369	53984	50466		52	.05526	38617	96927	
	+ 15	68523	60467			+ 15	68388	98804	
	-	13	28751			-	13	67451	
43	.05385	22508	10933		53	.05542	07006	95731	
	+ 15	68510	31716			+ 15	68375	31353	
	-	13	32622			-	13	71321	
44	.05400	91018	42649		54	.05557	75382	27084	
	+ 15	68496	99094			+ 15	68361	60032	
	-	13	36490			-	13	75190	
45	.05416	59515	41743		55	.05573	43743	87116	
	+ 15	68483	62604			+ 15	68347	84842	
	-	13	40363			-	13	79061	
46	.05432	27999	04347		56	.05589	12091	71958	
	+ 15	68470	22241			+ 15	68334	05781	
	-	13	44230			-	13	82929	
47	.05447	96469	26588		57	.05604	80425	77739	
	+ 15	68456	78011			+ 15	68320	22852	
	-	13	48102			-	13	86801	
48	.05463	64926	04599		58	.05620	48746	00591	
	+ 15	68443	29909			+ 15	68306	36051	
	-	13	51971			-	13	90668	
49	.05479	33369	34508		59	.05636	17052	36642	
	+ 15	68429	77938			+ 15	68292	45383	
	-	13	55842			-	13	94540	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

3^c	Sine.			3^c	Sine.				
60'	.05651	85344	82025	70'	.05808	67495	97738		
	+	15	68278	50843		+	15	68136	92633
	-		13	98408		-	14	37102	
61	.05667	53623	32868	71	.05824	35632	90371		
	+	15	68264	52435		+	15	68122	55531
	-		14	02278		-	14	40972	
62	.05683	21887	85303	72	.05840	03755	45902		
	+	15	68250	50157		+	15	68108	14559
	-		14	06148		-	14	44840	
63	.05698	90138	35460	73	.05855	71863	60461		
	+	15	68236	44009		+	15	68093	69719
	-		14	10017		-	14	48710	
64	.05714	58374	79469	74	.05871	39957	30180		
	+	15	68222	33992		+	15	68079	21009
	-		14	13886		-	14	52579	
65	.05730	26597	13461	75	.05887	08036	51189		
	+	15	68208	20106		+	15	68064	68430
	-		14	17756		-	14	56448	
66	.05745	94805	33567	76	.05902	76101	19619		
	+	15	68194	02350		+	15	68050	11982
	-		14	21626		-	14	60316	
67	.05761	62999	35917	77	.05918	44151	31601		
	+	15	68179	80724		+	15	68035	51666
	-		14	25494		-	14	64187	
68	.05777	31179	16641	78	.05934	12186	83267		
	+	15	68165	55230		+	15	68020	87479
	-		14	29363		-	14	68054	
69	.05792	99344	71871	79	.05949	80207	70746		
	+	15	68151	25867		+	15	68006	19425
	-		14	33234		-	14	71924	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

3^c	Sine.				3^c	Sine.			
80'	.05965	48213	90171		90'	.06122	27459	90262	
	+ 15	67991	47501			+ 15	67842	15482	
	-	14	75793			-	15	14479	
81	.05981	16205	37672		91	.06137	95302	05744	
	+ 15	67976	71708			+ 15	67827	01003	
	-	14	79661			-	15	18347	
82	.05996	84182	09380		92	.06153	63129	06747	
	+ 15	67961	92047			+ 15	67811	82656	
	-	14	83530			-	15	22217	
83	.06012	52144	01427		93	.06169	30940	89403	
	+ 15	67947	08517			+ 15	67796	60439	
	-	14	87400			-	15	26084	
84	.06028	20091	09944		94	.06184	98737	49842	
	+ 15	67932	21117			+ 15	67781	34355	
	-	14	91267			-	15	29953	
85	.06043	88023	31061		95	.06200	66518	84197	
	+ 15	67917	29850			+ 15	67766	04402	
	-	14	95136			-	15	33821	
86	.06059	55940	60911		96	.06216	34284	88599	
	+ 15	67902	34714			+ 15	67750	70581	
	-	14	99005			-	15	37690	
87	.06075	23842	95625		97	.06232	02035	59180	
	+ 15	67887	35709			+ 15	67735	32891	
	-	15	02874			-	15	41557	
88	.06090	91730	31334		98	.06247	69770	92071	
	+ 15	67872	32835			+ 15	67719	91334	
	-	15	06742			-	15	45426	
89	.06106	59602	64169		99	.06263	37490	83405	
	+ 15	67857	26093			+ 15	67704	45908	
	-	15	10611			-	15	49293	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

4^c	Sine.			4^c	Sine.		
00'	.06279	05195	29313	10'	.06435	81381	39000
	+ 15	67688	96615		+ 15	67531	90934
	-	15	53163		-	15	91841
01	.06294	72884	25928	11	.06451	48913	29934
	+ 15	67673	43452		+ 15	67515	99093
	-	15	57030		-	15	95708
02	.06310	40557	69380	12	.06467	16429	29027
	+ 15	67657	86422		+ 15	67500	03385
	-	15	60899		-	15	99577
03	.06326	08215	55802	13	.06482	83929	32412
	+ 15	67642	25523		+ 15	67484	03808
	-	15	64765		-	16	03444
04	.06341	75857	81325	14	.06498	51413	36220
	+ 15	67626	60758		+ 15	67468	00364
	-	15	68635		-	16	07312
05	.06357	43484	42083	15	.06514	18881	36584
	+ 15	67610	92123		+ 15	67451	93052
	-	15	72502		-	16	11179
06	.06373	11095	34206	16	.06529	86333	29636
	+ 15	67595	19621		+ 15	67435	81873
	-	15	76369		-	16	15047
07	.06388	78690	53827	17	.06545	53769	11509
	+ 15	67579	43252		+ 15	67419	66826
	-	15	80239		-	16	18914
08	.06404	46269	97079	18	.06561	21188	78335
	+ 15	67563	63013		+ 15	67403	47912
	-	15	84105		-	16	22781
09	.06420	13833	60092	19	.06576	88592	26247
	+ 15	67547	78908		+ 15	67387	25131
	-	15	87974		-	16	26649

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

4^c	Sine.			4^c	Sine.		
20'	.06592	55979	51378	30'	.06749	28950	98897
	+	15	67370	98482		+	15
	-		16	30517		-	16
21	.06608	23350	49860	31	.06764	96157	18192
	+	15	67354	67965		+	15
	-		16	34383		-	16
22	.06623	90705	17825	32	.06780	63346	68301
	+	15	67338	33582		+	15
	-		16	38251		-	16
23	.06639	58043	51407	33	.06796	30519	45355
	+	15	67321	95331		+	15
	-		16	42118		-	16
24	.06655	25365	46738	34	.06811	97675	45488
	+	15	67305	53213		+	15
	-		16	45985		-	16
25	.06670	92670	99951	35	.06827	64814	64833
	+	15	67289	07228		+	15
	-		16	49853		-	16
26	.06686	59960	07179	36	.06843	31936	99524
	+	15	67272	57375		+	15
	-		16	53718		-	16
27	.06702	27232	64554	37	.06858	99042	45693
	+	15	67256	03657		+	15
	-		16	57588		-	16
28	.06717	94488	68211	38	.06874	66130	99474
	+	15	67239	46069		+	15
	-		16	61452		-	17
29	.06733	61728	14280	39	.06890	33202	57001
	+	15	67222	84617		+	15
	-		16	65322		-	17

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

4^c	Sine.			4^c	Sine.		
40'	.06906	00257	14406	50'	.07062	69859	31167
	+ 15	67037	53417		+ 15	66865	00888
	-	17	07854		-	17	46517
41	.06921	67294	67823	51	.07078	36724	32055
	+ 15	67020	45563		+ 15	66847	54371
	-	17	11721		-	17	50384
42	.06937	34315	13386	52	.07094	03571	86426
	+ 15	67003	33842		+ 15	66830	03987
	-	17	15587		-	17	54248
43	.06953	01318	47228	53	.07109	70401	90413
	+ 15	66986	18255		+ 15	66812	49739
	-	17	19453		-	17	58116
44	.06968	68304	65483	54	.07125	37214	40152
	+ 15	66968	98802		+ 15	66794	91623
	-	17	23321		-	17	61980
45	.06984	35273	64285	55	.07141	04009	31775
	+ 15	66951	75481		+ 15	66777	29643
	-	17	27186		-	17	65848
46	.07000	02225	39766	56	.07156	70786	61418
	+ 15	66934	48295		+ 15	66759	63795
	-	17	31052		-	17	69712
47	.07015	69159	88061	57	.07172	37546	25213
	+ 15	66917	17243		+ 15	66741	94083
	-	17	34919		-	17	73579
48	.07031	36077	05304	58	.07188	04288	19296
	+ 15	66899	82324		+ 15	66724	20504
	-	17	38785		-	17	77443
49	.07047	02976	87628	59	.07203	71012	39800
	+ 15	66882	43539		+ 15	66706	43061
	-	17	42651		-	17	81311

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

4^c	Sine.				4^c	Sine.			
60'	.07219	37718	82861		70'	.07376	03797	03599	
	+ 15	66688	61750			+ 15	66508	36048	
	-	17	85176			-	18	23830	
61	.07235	04407	44611		71	.07391	70305	39647	
	+ 15	66670	76574			+ 15	66490	12218	
	-	17	89040			-	18	27695	
62	.07250	71078	21185		72	.07407	36795	51865	
	+ 15	66652	87534			+ 15	66471	84523	
	-	17	92907			-	18	31560	
63	.07266	37731	08719		73	.07423	03267	36388	
	+ 15	66634	94627			+ 15	66453	52963	
	-	17	96773			-	18	35424	
64	.07282	04366	03346		74	.07438	69720	89351	
	+ 15	66616	97854			+ 15	66435	17539	
	-	18	00637			-	18	39291	
65	.07297	70983	01200		75	.07454	36156	06890	
	+ 15	66598	97217			+ 15	66416	78248	
	-	18	04503			-	18	43155	
66	.07313	37581	98417		76	.07470	02572	85138	
	+ 15	66580	92714			+ 15	66398	35093	
	-	18	08369			-	18	47019	
67	.07329	04162	91131		77	.07485	68971	20231	
	+ 15	66562	84345			+ 15	66379	88074	
	-	18	12234			-	18	50885	
68	.07344	70725	75476		78	.07501	35351	08305	
	+ 15	66544	72111			+ 15	66361	37189	
	-	18	16099			-	18	54750	
69	.07360	37270	47587		79	.07517	01712	45494	
	+ 15	66526	56012			+ 15	66342	82439	
	-	18	19964			-	18	58615	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

4^c	Sine.			4^c	Sine.		
80'	.07532	68055	27933	90'	.07689	30454	90862
	+ 15	66324	23824		+ 15	66136	25127
	-	18	62478		-	19	01125
81	.07548	34379	51757	91	.07704	96591	15989
	+ 15	66305	61346		+ 15	66117	24002
	-	18	66344		-	19	04987
82	.07564	00685	13103	92	.07720	62708	39991
	+ 15	66286	95002		+ 15	66098	19015
	-	18	70209		-	19	08854
83	.07579	66972	08105	93	.07736	28806	59006
	+ 15	66268	24793		+ 15	66079	10161
	-	18	74073		-	19	12716
84	.07595	33240	32898	94	.07751	94885	69167
	+ 15	66249	50720		+ 15	66059	97445
	-	18	77938		-	19	16580
85	.07610	99489	83618	95	.07767	60945	66612
	+ 15	66230	72782		+ 15	66040	80865
	-	18	81802		-	19	20446
86	.07626	65720	56400	96	.07783	26986	47477
	+ 15	66211	90980		+ 15	66021	60419
	-	18	85667		-	19	24309
87	.07642	31932	47380	97	.07798	93008	07896
	+ 15	66193	05313		+ 15	66002	36110
	-	18	89531		-	19	28172
88	.07657	98125	52693	98	.07814	59010	44006
	+ 15	66174	15782		+ 15	65983	07938
	-	18	93395		-	19	32037
89	.07673	64299	68475	99	.07830	24993	51944
	+ 15	66155	22387		+ 15	65963	75901
	-	18	97260		-	19	35901

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

5^c	Sine.			5^c	Sine.		
00'	.07845	90957	27845	10'	.08002	49523	74809
	+ 15	65944	40000		+ 15	65748	68492
	-	19	39764		-	19	78399
01	.07861	56901	67845	11	.08018	15272	43301
	+ 15	65925	00236		+ 15	65728	90093
	-	19	43628		-	19	82263
02	.07877	22826	68081	12	.08033	81001	33394
	+ 15	65905	56608		+ 15	65709	07830
	-	19	47492		-	19	86127
03	.07892	88732	24689	13	.08049	46710	41224
	+ 15	65886	09116		+ 15	65689	21703
	-	19	51356		-	19	89989
04	.07908	54618	33805	14	.08065	12399	62927
	+ 15	65866	57760		+ 15	65669	31714
	-	19	55219		-	19	93853
05	.07924	20484	91565	15	.08080	78068	94641
	+ 15	65847	02541		+ 15	65649	37861
	-	19	59082		-	19	97716
06	.07939	86331	94106	16	.08096	43718	32502
	+ 15	65827	43459		+ 15	65629	40145
	-	19	62947		-	20	01579
07	.07955	52159	37565	17	.08112	09347	72647
	+ 15	65807	80512		+ 15	65609	38566
	-	19	66810		-	20	05441
08	.07971	17967	18077	18	.08127	74957	11213
	+ 15	65788	13702		+ 15	65589	33125
	-	19	70672		-	20	09305
09	.07986	83755	31779	19	.08143	40546	44338
	+ 15	65768	43030		+ 15	65569	23820
	-	19	74538		-	20	13168

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

5^c	Sine.			5^c	Sine.		
20'	.08159	06115	68158	30'	.08315	60694	44783
	+ 15	65549	10652		+ 15	65345	66528
	-	20	17031		-	20	55656
21	.08174	71664	78810	31	.08331	26040	11311
	+ 15	65528	93621		+ 15	65325	10872
	-	20	20892		-	20	59519
22	.08190	37193	72431	32	.08346	91365	22183
	+ 15	65508	72729		+ 15	65304	51353
	-	20	24757		-	20	63380
23	.08206	02702	45160	33	.08362	56669	73536
	+ 15	65488	47972		+ 15	65283	87973
	-	20	28618		-	20	67243
24	.08221	68190	93132	34	.08378	21953	61509
	+ 15	65468	19354		+ 15	65263	20730
	-	20	32482		-	20	71105
25	.08237	33659	12486	35	.08393	87216	82239
	+ 15	65447	86872		+ 15	65242	49625
	-	20	36344		-	20	74967
26	.08252	99106	99358	36	.08409	52459	31864
	+ 15	65427	50528		+ 15	65221	74658
	-	20	40206		-	20	78829
27	.08268	64534	49886	37	.08425	17681	06522
	+ 15	65407	10322		+ 15	65200	95829
	-	20	44069		-	20	82692
28	.08284	29941	60208	38	.08440	82882	02351
	+ 15	65386	66253		+ 15	65180	13137
	-	20	47931		-	20	86552
29	.08299	95328	26461	39	.08456	48062	15488
	+ 15	65366	18322		+ 15	65159	26585
	-	20	51794		-	20	90414

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

5^c	Sine.			5^c	Sine.				
40'	.08472	13221	42073	50'	.08628	63657	97923		
	+	15	65138	36171		+	15	64927	19630
	-		20	94278		-		21	32892
41	.08487	78359	78244	51	.08644	28585	17553		
	+	15	65117	41893		+	15	64905	86738
	-		20	98138		-		21	36753
42	.08503	43477	20137	52	.08659	93491	04291		
	+	15	65096	43755		+	15	64884	49985
	-		21	02000		-		21	40615
43	.08519	08573	63892	53	.08675	58375	54276		
	+	15	65075	41755		+	15	64863	09370
	-		21	05862		-		21	44475
44	.08534	73649	05647	54	.08691	23238	63646		
	+	15	65054	35893		+	15	64841	64895
	-		21	09723		-		21	48337
45	.08550	38703	41540	55	.08706	88080	28541		
	+	15	65033	26170		+	15	64820	16558
	-		21	13586		-		21	52198
46	.08566	03736	67710	56	.08722	52900	45099		
	+	15	65012	12584		+	15	64798	64360
	-		21	17446		-		21	56059
47	.08581	68748	80294	57	.08738	17699	09459		
	+	15	64990	95138		+	15	64777	08301
	-		21	21307		-		21	59919
48	.08597	33739	75432	58	.08753	82476	17760		
	+	15	64969	73831		+	15	64755	48382
	-		21	25171		-		21	63781
49	.08612	98709	49263	59	.08769	47231	66142		
	+	15	64948	48660		+	15	64733	84601
	-		21	29030		-		21	67641

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

5^c	Sine.			5^c	Sine.				
60'	.08785	11965	50743	70'	.08941	58105	39469		
	+	15	64712	16960		+	15	64493	28212
	-		21	71502		-	22	10107	
61	.08800	76677	67703	71	.08957	22598	67681		
	+	15	64690	45458		+	15	64471	18105
	-		21	75364		-	22	13967	
62	.08816	41368	13161	72	.08972	87069	85786		
	+	15	64668	70094		+	15	64449	04138
	-		21	79223		-	22	17827	
63	.08832	06036	83255	73	.08988	51518	89924		
	+	15	64646	90871		+	15	64426	86311
	-		21	83084		-	22	21687	
64	.08847	70683	74126	74	.09004	15945	76235		
	+	15	64625	07787		+	15	64404	64624
	-		21	86944		-	22	25547	
65	.08863	35308	81913	75	.09019	80350	40859		
	+	15	64603	20843		+	15	64382	39077
	-		21	90806		-	22	29408	
66	.08878	99912	02756	76	.09035	44732	79936		
	+	15	64581	30037		+	15	64360	09669
	-		21	94666		-	22	33267	
67	.08894	64493	32793	77	.09051	09092	89605		
	+	15	64559	35371		+	15	64337	76402
	-		21	98525		-	22	37127	
68	.08910	29052	68164	78	.09066	73430	66007		
	+	15	64537	36846		+	15	64315	39275
	-		22	02387		-	22	40987	
69	.08925	93590	05010	79	.09082	37746	05282		
	+	15	64515	34459		+	15	64292	98288
	-		22	06247		-	22	44846	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

5^c	Sine.			5^c	Sine.		
80'	.09098	02039	03570	90'	.09254	43727	83062
	+ 15	64270	53442		+ 15	64043	92703
	-	22	48707		-	22	87300
81	.09113	66309	57012	91	.09270	07771	75765
	+ 15	64248	04735		+ 15	64021	05403
	-	22	52566		-	22	91159
82	.09129	30557	61747	92	.09285	71792	81168
	+ 15	64225	52169		+ 15	63998	14244
	-	22	56424		-	22	95019
83	.09144	94783	13916	93	.09301	35790	95412
	+ 15	64202	95745		+ 15	63975	19225
	-	22	60286		-	22	98876
84	.09160	58986	09661	94	.09316	99766	14637
	+ 15	64180	35459		+ 15	63952	20349
	-	22	64144		-	23	02736
85	.09176	23166	45120	95	.09332	63718	34986
	+ 15	64157	71315		+ 15	63929	17613
	-	22	68005		-	23	06595
86	.09191	87324	16435	96	.09348	27647	52599
	+ 15	64135	03310		+ 15	63906	11018
	-	22	71862		-	23	10454
87	.09207	51459	19745	97	.09363	91553	63617
	+ 15	64112	31448		+ 15	63883	00564
	-	22	75722		-	23	14312
88	.09223	15571	51193	98	.09379	55436	64181
	+ 15	64089	55726		+ 15	63859	86252
	-	22	79583		-	23	18171
89	.09238	79661	06919	99	.09395	19296	50433
	+ 15	64066	76143		+ 15	63836	68081
	-	22	83440		-	23	22029

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

6^c	Sine.			6^c	Sine.		
00'	.09410	83133	18514	10'	.09567	20216	51058
	+ 15	63813	46052		+ 15	63579	13545
	-	23	25888		-	23	64470
01	.09426	46946	64566	11	.09582	83795	64603
	+ 15	63790	20164		+ 15	63555	49075
	-	23	29748		-	23	68329
02	.09442	10736	84730	12	.09598	47351	13678
	+ 15	63766	90416		+ 15	63531	80746
	-	23	33604		-	23	72186
03	.09457	74503	75146	13	.09614	10882	94424
	+ 15	63743	56812		+ 15	63508	08560
	-	23	37463		-	23	76044
04	.09473	38247	31958	14	.09629	74391	02984
	+ 15	63720	19349		+ 15	63484	32516
	-	23	41323		-	23	79902
05	.09489	01967	51307	15	.09645	37875	35500
	+ 15	63696	78026		+ 15	63460	52614
	-	23	45179		-	23	83759
06	.09504	65664	29333	16	.09661	01335	88114
	+ 15	63673	32847		+ 15	63436	68855
	-	23	49038		-	23	87618
07	.09520	29337	62180	17	.09676	64772	56969
	+ 15	63649	83809		+ 15	63412	81237
	-	23	52897		-	23	91474
08	.09535	92987	45989	18	.09692	28185	38206
	+ 15	63626	30912		+ 15	63388	89763
	-	23	56755		-	23	95333
09	.09551	56613	76901	19	.09707	91574	27969
	+ 15	63602	74157		+ 15	63364	94430
	-	23	60612		-	23	99189

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

6^c	Sine.			6^c	Sine.				
20'	.09723	54939	22399	30'	.09879	87262	74825		
	+	15	63340	95241		+	15	63098	91198
	-		24	03047		-	24	41618	
21	.09739	18280	17640	31	.09895	50361	66023		
	+	15	63316	92194		+	15	63074	49580
	-		24	06904		-	24	45474	
22	.09754	81597	09834	32	.09911	13436	15603		
	+	15	63292	85290		+	15	63050	04106
	-		24	10762		-	24	49331	
23	.09770	44889	95124	33	.09926	76486	19709		
	+	15	63268	74528		+	15	63025	54775
	-		24	14619		-	24	53188	
24	.09786	08158	69652	34	.09942	39511	74484		
	+	15	63244	59909		+	15	63001	01587
	-		24	18476		-	24	57044	
25	.09801	71403	29561	35	.09958	02512	76071		
	+	15	63220	41433		+	15	62976	44543
	-		24	22333		-	24	60901	
26	.09817	34623	70994	36	.09973	65489	20614		
	+	15	63196	19100		+	15	62951	83642
	-		24	26191		-	24	64757	
27	.09832	97819	90094	37	.09989	28441	04256		
	+	15	63171	92909		+	15	62927	18885
	-		24	30046		-	24	68613	
28	.09848	60991	83003	38	.10004	91368	23141		
	+	15	63147	62863		+	15	62902	50272
	-		24	33904		-	24	72470	
29	.09864	24139	45866	39	.10020	54270	73413		
	+	15	63123	28959		+	15	62877	77802
	-		24	37761		-	24	76326	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

6^c	Sine.				6^c	Sine.			
40'	.10036	17148	51215		50'	.10192	44557	95050	
	+ 15	62853	01476			+ 15	62603	26135	
	-	24	80183			-	25	18740	
41	.10051	80001	52691		51	.10208	07161	21185	
	+ 15	62828	21293			+ 15	62578	07395	
	-	24	84038			-	25	22597	
42	.10067	42829	73984		52	.10223	69739	28580	
	+ 15	62803	37255			+ 15	62552	84798	
	-	24	87894			-	25	26451	
43	.10083	05633	11239		53	.10239	32292	13378	
	+ 15	62778	49361			+ 15	62527	58347	
	-	24	91751			-	25	30308	
44	.10098	68411	60600		54	.10254	94819	71725	
	+ 15	62753	57610			+ 15	62502	28039	
	-	24	95606			-	25	34162	
45	.10114	31165	18210		55	.10270	57321	99764	
	+ 15	62728	62004			+ 15	62476	93877	
	-	24	99462			-	25	38017	
46	.10129	93893	80214		56	.10286	19798	93641	
	+ 15	62703	62542			+ 15	62451	55860	
	-	25	03318			-	25	41873	
47	.10145	56597	42756		57	.10301	82250	49501	
	+ 15	62678	59224			+ 15	62426	13987	
	-	25	07174			-	25	45728	
48	.10161	19276	01980		58	.10317	44676	63488	
	+ 15	62653	52050			+ 15	62400	68259	
	-	25	11030			-	25	49583	
49	.10176	81929	54030		59	.10333	07077	31747	
	+ 15	62628	41020			+ 15	62375	18676	
	-	25	14885			-	25	53439	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

6^c	Sine.			6^c	Sine.		
60'	.10348	69452	50423	70'	.10504	91793	62045
	+ 15	62349	65237		+ 15	62092	18846
	-	25	57292		-	25	95839
61	.10364	31802	15660	71	.10520	53885	80891
	+ 15	62324	07945		+ 15	62066	23007
	-	25	61148		-	25	99693
62	.10379	94126	23605	72	.10536	15952	03898
	+ 15	62298	46797		+ 15	62040	23314
	-	25	65002		-	26	03547
63	.10395	56424	70402	73	.10551	77992	27212
	+ 15	62272	81795		+ 15	62014	19767
	-	25	68859		-	26	07401
64	.10411	18697	52197	74	.10567	40006	46979
	+ 15	62247	12936		+ 15	61988	12366
	-	25	72711		-	26	11257
65	.10426	80944	65133	75	.10583	01994	59345
	+ 15	62221	40225		+ 15	61962	01109
	-	25	76567		-	26	15108
66	.10442	43166	05358	76	.10598	63956	60454
	+ 15	62195	63658		+ 15	61935	86001
	-	25	80421		-	26	18964
67	.10458	05361	69016	77	.10614	25892	46455
	+ 15	62169	83237		+ 15	61909	67037
	-	25	84276		-	26	22818
68	.10473	67531	52253	78	.10629	87802	13492
	+ 15	62143	98961		+ 15	61883	44219
	-	25	88130		-	26	26670
69	.10489	29675	51214	79	.10645	49685	57711
	+ 15	62118	10831		+ 15	61857	17549
	-	25	91985		-	26	30525

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

6^c	Sine.			6^c	Sine.		
80'	.10661	11542	75260	90'	.10817	28661	36050
	+ 15	61830	87024		+ 15	61565	69835
	-	26	34379		-	26	72911
81	.10676	73373	62284	91	.10832	90227	05885
	+ 15	61804	52645		+ 15	61538	96924
	-	26	38232		-	26	76765
82	.10692	35178	14929	92	.10848	51766	02809
	+ 15	61778	14413		+ 15	61512	20159
	-	26	42085		-	26	80617
83	.10707	96956	29342	93	.10864	13278	22968
	+ 15	61751	72328		+ 15	61485	39542
	-	26	45939		-	26	84470
84	.10723	58708	01670	94	.10879	74763	62510
	+ 15	61725	26389		+ 15	61458	55072
	-	26	49793		-	26	88323
85	.10739	20433	28059	95	.10895	36222	17582
	+ 15	61698	76596		+ 15	61431	66749
	-	26	53646		-	26	92176
86	.10754	82132	04655	96	.10910	97653	84331
	+ 15	61672	22950		+ 15	61404	74573
	-	26	57498		-	26	96028
87	.10770	43804	27605	97	.10926	59058	58904
	+ 15	61645	65452		+ 15	61377	78545
	-	26	61353		-	26	99880
88	.10786	05449	93057	98	.10942	20436	37449
	+ 15	61619	04099		+ 15	61350	78665
	-	26	65205		-	27	03734
89	.10801	67068	97156	99	.10957	81787	16114
	+ 15	61592	38894		+ 15	61323	74931
	-	26	69059		-	27	07585

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

7^c	Sine.			7^c	Sine.		
00'	.10973	43110	91045	10'	.11129	54852	87537
	+ 15	61296	67346		+ 15	61023	79622
	-	27	11438		-	27	49958
01	.10989	04407	58391	11	.11145	15876	67159
	+ 15	61269	55908		+ 15	60996	29664
	-	27	15290		-	27	53809
02	.11004	65677	14299	12	.11160	76872	96823
	+ 15	61242	40618		+ 15	60968	75855
	-	27	19143		-	27	57661
03	.11020	26919	54917	13	.11176	37841	72678
	+ 15	61215	21475		+ 15	60941	18194
	-	27	22995		-	27	61512
04	.11035	88134	76392	14	.11191	98782	90872
	+ 15	61187	98480		+ 15	60913	56682
	-	27	26846		-	27	65364
05	.11051	49322	74872	15	.11207	59696	47554
	+ 15	61160	71634		+ 15	60885	91318
	-	27	30698		-	27	69215
06	.11067	10483	46506	16	.11223	20582	38872
	+ 15	61133	40936		+ 15	60858	22103
	-	27	34552		-	27	73066
07	.11082	71616	87442	17	.11238	81440	60975
	+ 15	61106	06384		+ 15	60830	49037
	-	27	38401		-	27	76918
08	.11098	32722	93826	18	.11254	42271	10012
	+ 15	61078	67983		+ 15	60802	72119
	-	27	42255		-	27	80768
09	.11113	93801	61809	19	.11270	03073	82131
	+ 15	61051	25728		+ 15	60774	91351
	-	27	46106		-	27	84620

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

7^c	Sine.			7^c	Sine.		
20'	.11285	63848	73482	30'	.11441	70059	97516
	+ 15	60747	06731		+ 15	60466	48741
	-	27	88471		-	28	26977
21	.11301	24595	80213	31	.11457	30526	46257
	+ 15	60719	18260		+ 15	60438	21764
	-	27	92321		-	28	30826
22	.11316	85314	98473	32	.11472	90964	68021
	+ 15	60691	25939		+ 15	60409	90938
	-	27	96173		-	28	34678
23	.11332	46006	24412	33	.11488	51374	58959
	+ 15	60663	29766		+ 15	60381	56260
	-	28	00023		-	28	38527
24	.11348	06669	54178	34	.11504	11756	15219
	+ 15	60635	29743		+ 15	60353	17733
	-	28	03874		-	28	42377
25	.11363	67304	83921	35	.11519	72109	32952
	+ 15	60607	25869		+ 15	60324	75356
	-	28	07724		-	28	46227
26	.11379	27912	09790	36	.11535	32434	08308
	+ 15	60579	18145		+ 15	60296	29129
	-	28	11576		-	28	50077
27	.11394	88491	27935	37	.11550	92730	37437
	+ 15	60551	06569		+ 15	60267	79052
	-	28	15425		-	28	53928
28	.11410	49042	34504	38	.11566	52998	16489
	+ 15	60522	91144		+ 15	60239	25124
	-	28	19276		-	28	57776
29	.11426	09565	25648	39	.11582	13237	41613
	+ 15	60494	71868		+ 15	60210	67348
	-	28	23127		-	28	61626

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

7^c	Sine.			7^c	Sine.		
40'	.11597	73448	08961	50'	.11753	73974	57838
	+ 15	60182	05722		+ 15	59893	77743
	-	28	65476		-	29	03968
41	.11613	33630	14683	51	.11769	33868	35581
	+ 15	60153	40246		+ 15	59864	73775
	-	28	69325		-	29	07817
42	.11628	93783	54929	52	.11784	93733	09356
	+ 15	60124	70921		+ 15	59835	65958
	-	28	73175		-	29	11665
43	.11644	53908	25850	53	.11800	53568	75314
	+ 15	60095	97746		+ 15	59806	54293
	-	28	77025		-	29	15514
44	.11660	14004	23596	54	.11816	13375	29607
	+ 15	60067	20721		+ 15	59777	38779
	-	28	80873		-	29	19363
45	.11675	74071	44317	55	.11831	73152	68386
	+ 15	60038	39848		+ 15	59748	19416
	-	28	84723		-	29	23211
46	.11691	34109	84165	56	.11847	32900	87802
	+ 15	60009	55125		+ 15	59718	96205
	-	28	88572		-	29	27060
47	.11706	94119	39290	57	.11862	92619	84007
	+ 15	59980	66553		+ 15	59689	69145
	-	28	92420		-	29	30908
48	.11722	54100	05843	58	.11878	52309	53152
	+ 15	59951	74133		+ 15	59660	38237
	-	28	96271		-	29	34756
49	.11738	14051	79976	59	.11894	11969	91389
	+ 15	59922	77862		+ 15	59631	03481
	-	29	00119		-	29	38605

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

7^c	Sine.			7^c	Sine.		
60'	.11909	71600	94870	70'	.12065	66288	71498
	+ 15	59601	64876		+ 15	59305	67193
	-	29	42453		-	29	80931
61	.11925	31202	59746	71	.12081	25594	38691
	+ 15	59572	22423		+ 15	59275	86262
	-	29	46301		-	29	84777
62	.11940	90774	82169	72	.12096	84870	24953
	+ 15	59542	76122		+ 15	59246	01485
	-	29	50148		-	29	88626
63	.11956	50317	58291	73	.12112	44116	26438
	+ 15	59513	25974		+ 15	59216	12859
	-	29	53998		-	29	92471
64	.11972	09830	84265	74	.12128	03332	39297
	+ 15	59483	71976		+ 15	59186	20388
	-	29	57844		-	29	96321
65	.11987	69314	56241	75	.12143	62518	59685
	+ 15	59454	14132		+ 15	59156	24067
	-	29	61693		-	30	00165
66	.12003	28768	70373	76	.12159	21674	83752
	+ 15	59424	52439		+ 15	59126	23902
	-	29	65540		-	30	04014
67	.12018	88193	22812	77	.12174	80801	07654
	+ 15	59394	86899		+ 15	59096	19888
	-	29	69387		-	30	07861
68	.12034	47588	09711	78	.12190	39897	27542
	+ 15	59365	17512		+ 15	59066	12027
	-	29	73237		-	30	11707
69	.12050	06953	27223	79	.12205	98963	39569
	+ 15	59335	44275		+ 15	59036	00320
	-	29	77082		-	30	15553

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

7^c	Sine.			7^c	Sine.		
80'	.12221	57999	39889	90'	.12377	46694	52943
	+ 15	59005	84767		+ 15	58702	17671
	-	30	19402		-	30	57864
81	.12237	17005	24656	91	.12393	05396	70614
	+ 15	58975	65365		+ 15	58671	59807
	-	30	23246		-	30	61709
82	.12252	75980	90021	92	.12408	64068	30421
	+ 15	58945	42119		+ 15	58640	98098
	-	30	27095		-	30	65556
83	.12268	34926	32140	93	.12424	22709	28519
	+ 15	58915	15024		+ 15	58610	32542
	-	30	30940		-	30	69400
84	.12283	93841	47164	94	.12439	81319	61061
	+ 15	58884	84084		+ 15	58579	63142
	-	30	34786		-	30	73247
85	.12299	52726	31248	95	.12455	39899	24203
	+ 15	58854	49298		+ 15	58548	89895
	-	30	38634		-	30	77091
86	.12315	11580	80546	96	.12470	98448	14098
	+ 15	58824	10664		+ 15	58518	12804
	-	30	42479		-	30	80939
87	.12330	70404	91210	97	.12486	56966	26902
	+ 15	58793	68185		+ 15	58487	31865
	-	30	46325		-	30	84782
88	.12346	29198	59395	98	.12502	15453	58767
	+ 15	58763	21860		+ 15	58456	47083
	-	30	50172		-	30	88629
89	.12361	87961	81255	99	.12517	73910	05850
	+ 15	58732	71688		+ 15	58425	58454
	-	30	54017		-	30	92473

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

8^c	Sine.			8^c	Sine.		
00'	.12533	32335	64304	10'	.12689	14884	28370
	+ 15	58394	65981		+ 15	58083	29773
	-	30	96319		-	31	34767
01	.12548	90730	30285	11	.12704	72967	58143
	+ 15	58363	69662		+ 15	58051	95006
	-	31	00164		-	31	38611
02	.12564	49093	99947	12	.12720	31019	53149
	+ 15	58332	69498		+ 15	58020	56395
	-	31	04009		-	31	42454
03	.12580	07426	69445	13	.12735	89040	09544
	+ 15	58301	65489		+ 15	57989	13941
	-	31	07853		-	31	46300
04	.12595	65728	34934	14	.12751	47029	23485
	+ 15	58270	57636		+ 15	57957	67641
	-	31	11700		-	31	50143
05	.12611	23998	92570	15	.12767	04986	91126
	+ 15	58239	45936		+ 15	57926	17498
	-	31	15543		-	31	53988
06	.12626	82238	38506	16	.12782	62913	08624
	+ 15	58208	30393		+ 15	57894	63510
	-	31	19388		-	31	57831
07	.12642	40446	68899	17	.12798	20807	72134
	+ 15	58177	11005		+ 15	57863	05679
	-	31	23233		-	31	61674
08	.12657	98623	79904	18	.12813	78670	77813
	+ 15	58145	87772		+ 15	57831	44005
	-	31	27078		-	31	65520
09	.12673	56769	67676	19	.12829	36502	21818
	+ 15	58114	60694		+ 15	57799	78485
	-	31	30921		-	31	69363

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

8^c	Sine.			8^c	Sine.		
20'	.12844	94302	00303	30'	.13000	70550	36035
	+ 15	57768	09122		+ 15	57449	04109
	-	31	73205		-	32	11638
21	.12860	52070	09425	31	.13016	27999	40144
	+ 15	57736	35917		+ 15	57416	92471
	-	31	77051		-	32	15482
22	.12876	09806	45342	32	.13031	85416	32615
	+ 15	57704	58866		+ 15	57384	76989
	-	31	80893		-	32	19323
23	.12891	67511	04208	33	.13047	42801	09604
	+ 15	57672	77973		+ 15	57352	57666
	-	31	84736		-	32	23167
24	.12907	25183	82181	34	.13063	00153	67270
	+ 15	57640	93237		+ 15	57320	34499
	-	31	88581		-	32	27009
25	.12922	82824	75418	35	.13078	57474	01769
	+ 15	57609	04656		+ 15	57288	07490
	-	31	92423		-	32	30851
26	.12938	40433	80074	36	.13094	14762	09259
	+ 15	57577	12233		+ 15	57255	76639
	-	31	96266		-	32	34694
27	.12953	98010	92307	37	.13109	72017	85898
	+ 15	57545	15967		+ 15	57223	41945
	-	32	00110		-	32	38536
28	.12969	55556	08274	38	.13125	29241	27843
	+ 15	57513	15857		+ 15	57191	03409
	-	32	03953		-	32	42378
29	.12985	13069	24131	39	.13140	86432	31252
	+ 15	57481	11904		+ 15	57158	61031
	-	32	07795		-	32	46221

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

8^c	Sine.			8^c	Sine.		
40'	.13156	43590	92283	50'	.13312	13385	26552
	+ 15	57126	14810		+ 15	56799	41306
	-	32	50063		-	32	88478
41	.13172	00717	07093	51	.13327	70184	67858
	+ 15	57093	64747		+ 15	56766	52828
	-	32	53903		-	32	92320
42	.13187	57810	71840	52	.13343	26951	20686
	+ 15	57061	10844		+ 15	56733	60508
	-	32	57747		-	32	96162
43	.13203	14871	82684	53	.13358	83684	81194
	+ 15	57028	53097		+ 15	56700	64346
	-	32	61589		-	33	00001
44	.13218	71900	35781	54	.13374	40385	45540
	+ 15	56995	91508		+ 15	56667	64345
	-	32	65429		-	33	03842
45	.13234	28896	27289	55	.13389	97053	09885
	+ 15	56963	26079		+ 15	56634	60503
	-	32	69272		-	33	07685
46	.13249	85859	53368	56	.13405	53687	70388
	+ 15	56930	56807		+ 15	56601	52818
	-	32	73113		-	33	11524
47	.13265	42790	10175	57	.13421	10289	23206
	+ 15	56897	83694		+ 15	56568	41294
	-	32	76954		-	33	15365
48	.13280	99687	93869	58	.13436	66857	64500
	+ 15	56865	06740		+ 15	56535	25929
	-	32	80797		-	33	19205
49	.13296	56553	00609	59	.13452	23392	90429
	+ 15	56832	25943		+ 15	56502	06724
	-	32	84637		-	33	23047

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

8^c	Sine.			8^c	Sine.		
60'	.13467	79894	97153	70'	.13623	43081	63202
	+	15	56468	83677		+	15
	-		33	26887		-	33
61	.13483	36363	80830	71	.13638	99216	05207
	+	15	56435	56790		+	15
	-		33	30726		-	33
62	.13498	92799	37620	72	.13654	55316	81925
	+	15	56402	26064		+	15
	-		33	34568		-	33
63	.13514	49201	63684	73	.13670	11383	89518
	+	15	56368	91496		+	15
	-		33	38407		-	33
64	.13530	05570	55180	74	.13685	67417	24145
	+	15	56335	53089		+	15
	-		33	42247		-	33
65	.13545	61906	08269	75	.13701	23416	81968
	+	15	56302	10842		+	15
	-		33	46089		-	33
66	.13561	18208	19111	76	.13716	79382	59147
	+	15	56268	64753		+	15
	-		33	49926		-	33
67	.13576	74476	83864	77	.13732	35314	51842
	+	15	56235	14827		+	15
	-		33	53768		-	33
68	.13592	30711	98691	78	.13747	91212	56215
	+	15	56201	61059		+	15
	-		33	57607		-	33
69	.13607	86913	59750	79	.13763	47076	68427
	+	15	56168	03452		+	15
	-		33	61447		-	33

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

8^c	Sine.			8^c	Sine.		
80'	.13779	02906	84638	90'	.13934	59332	22229
	+ 15	55796	16372		+ 15	55454	06863
	-	34	03677		-	34	42062
81	.13794	58703	01010	91	.13950	14786	29092
	+ 15	55762	12695		+ 15	55419	64801
	-	34	07518		-	34	45899
82	.13810	14465	13705	92	.13965	70205	93893
	+ 15	55728	05177		+ 15	55385	18902
	-	34	11354		-	34	49736
83	.13825	70193	18882	93	.13981	25591	12795
	+ 15	55693	93823		+ 15	55350	69166
	-	34	15194		-	34	53575
84	.13841	25887	12705	94	.13996	80941	81961
	+ 15	55659	78629		+ 15	55316	15591
	-	34	19033		-	34	57411
85	.13856	81546	91334	95	.14012	36257	97552
	+ 15	55625	59596		+ 15	55281	58180
	-	34	22869		-	34	61250
86	.13872	37172	50930	96	.14027	91539	55732
	+ 15	55591	36727		+ 15	55246	96930
	-	34	26710		-	34	65086
87	.13887	92763	87657	97	.14043	46786	52662
	+ 15	55557	10017		+ 15	55212	31844
	-	34	30547		-	34	68925
88	.13903	48320	97674	98	.14059	01998	84506
	+ 15	55522	79470		+ 15	55177	62919
	-	34	34385		-	34	72761
89	.13919	03843	77144	99	.14074	57176	47425
	+ 15	55488	45085		+ 15	55142	90158
	-	34	38222		-	34	76599

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

9^c	Sine.				9^c	Sine.			
00'	.14090	12319	37583		10'	.14245	61829	93153	
	+ 15	55108	13559			+ 15	54758	36549	
	-	34	80435			-	35	18802	
01	.14105	67427	51142		11	.14261	16588	29702	
	+ 15	55073	33124			+ 15	54723	17747	
	-	34	84273			-	35	22637	
02	.14121	22500	84266		12	.14276	71311	47449	
	+ 15	55038	48851			+ 15	54687	95110	
	-	34	88110			-	35	26475	
03	.14136	77539	33117		13	.14292	25999	42559	
	+ 15	55003	60741			+ 15	54652	68635	
	-	34	91945			-	35	30309	
04	.14152	32542	93858		14	.14307	80652	11194	
	+ 15	54968	68796			+ 15	54617	38326	
	-	34	95784			-	35	34145	
05	.14167	87511	62654		15	.14323	35269	49520	
	+ 15	54933	73012			+ 15	54582	04181	
	-	34	99620			-	35	37982	
06	.14183	42445	35666		16	.14338	89851	53701	
	+ 15	54898	73392			+ 15	54546	66199	
	-	35	03455			-	35	41817	
07	.14198	97344	09058		17	.14354	44398	19900	
	+ 15	54863	69937			+ 15	54511	24382	
	-	35	07294			-	35	45653	
08	.14214	52207	78995		18	.14369	98909	44282	
	+ 15	54828	62643			+ 15	54475	78729	
	-	35	11128			-	35	49488	
09	.14230	07036	41638		19	.14385	53385	23011	
	+ 15	54793	51515			+ 15	54440	29241	
	-	35	14966			-	35	53323	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

9^c	Sine.			9^c	Sine.		
20'	.14401	07825	52252	30'	.14556	50267	79061
	+ 15	54404	75918		+ 15	54047	31752
	-	35	57160		-	35	95507
21	.14416	62230	28170	31	.14572	04315	10813
	+ 15	54369	18758		+ 15	54011	36245
	-	35	60994		-	35	99342
22	.14432	16599	46928	32	.14587	58326	47058
	+ 15	54333	57764		+ 15	53975	36903
	-	35	64829		-	36	03177
23	.14447	70933	04692	33	.14603	12301	83961
	+ 15	54297	92935		+ 15	53939	33726
	-	35	68664		-	36	07010
24	.14463	25230	97627	34	.14618	66241	17687
	+ 15	54262	24271		+ 15	53903	26716
	-	35	72500		-	36	10844
25	.14478	79493	21898	35	.14634	20144	44403
	+ 15	54226	51771		+ 15	53867	15872
	-	35	76335		-	36	14679
26	.14494	33719	73669	36	.14649	74011	60275
	+ 15	54190	75436		+ 15	53831	01193
	-	35	80168		-	36	18513
27	.14509	87910	49105	37	.14665	27842	61468
	+ 15	54154	95268		+ 15	53794	82680
	-	35	84005		-	36	22345
28	.14525	42065	44373	38	.14680	81637	44148
	+ 15	54119	11263		+ 15	53758	60335
	-	35	87838		-	36	26181
29	.14540	96184	55636	39	.14696	35396	04483
	+ 15	54083	23425		+ 15	53722	34154
	-	35	91673		-	36	30013

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

9^c	Sine.			9^c	Sine.		
40'	.14711	89118	38637	50'	.14867	24338	96923
	+ 15	53686	04141		+ 15	53320	93173
	-	36	33847		-	36	72178
41	.14727	42804	42778	51	.14882	77659	90096
	+ 15	53649	70294		+ 15	53284	20995
	-	36	37681		-	36	76010
42	.14742	96454	13072	52	.14898	30944	11091
	+ 15	53613	32613		+ 15	53247	44985
	-	36	41514		-	36	79843
43	.14758	50067	45685	53	.14913	84191	56076
	+ 15	53576	91099		+ 15	53210	65142
	-	36	45348		-	36	83676
44	.14774	03644	36784	54	.14929	37402	21218
	+ 15	53540	45751		+ 15	53173	81466
	-	36	49180		-	36	87508
45	.14789	57184	82535	55	.14944	90576	02684
	+ 15	53503	96571		+ 15	53136	93958
	-	36	53014		-	36	91339
46	.14805	10688	79106	56	.14960	43712	96642
	+ 15	53467	43557		+ 15	53100	02619
	-	36	56846		-	36	95172
47	.14820	64156	22663	57	.14975	96812	99261
	+ 15	53430	86711		+ 15	53063	07447
	-	36	60680		-	36	99005
48	.14836	17587	09374	58	.14991	49876	06708
	+ 15	53394	26031		+ 15	53026	08442
	-	36	64513		-	37	02835
49	.14851	70981	35405	59	.15007	02902	15150
	+ 15	53357	61518		+ 15	52989	05607
	-	36	68345		-	37	06668

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

9^c	Sine.			9^c	Sine.				
60'	.15022	55891	20757	70'	.15177	83736	77883		
	+	15	52951	98939		+	15	52579	21530
	-		37	10500		-		37	48813
61	.15038	08843	19696	71	.15193	36315	99413		
	+	15	52914	88439		+	15	52541	72717
	-		37	14331		-		37	52643
62	.15053	61758	08135	72	.15208	88857	72130		
	+	15	52877	74108		+	15	52504	20074
	-		37	18163		-		37	56474
63	.15069	14635	82243	73	.15224	41361	92204		
	+	15	52840	55945		+	15	52466	63600
	-		37	21994		-		37	60303
64	.15084	67476	38188	74	.15239	93828	55804		
	+	15	52803	33951		+	15	52429	03297
	-		37	25826		-		37	64135
65	.15100	20279	72139	75	.15255	46257	59101		
	+	15	52766	08125		+	15	52391	39162
	-		37	29657		-		37	67965
66	.15115	73045	80264	76	.15270	98648	98263		
	+	15	52728	78468		+	15	52353	71197
	-		37	33488		-		37	71794
67	.15131	25774	58732	77	.15286	51002	69460		
	+	15	52691	44980		+	15	52315	99403
	-		37	37319		-		37	75627
68	.15146	78466	03712	78	.15302	03318	68863		
	+	15	52654	07661		+	15	52278	23776
	-		37	41151		-		37	79454
69	.15162	31120	11373	79	.15317	55596	92639		
	+	15	52616	66510		+	15	52240	44322
	-		37	44980		-		37	83286

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

9^c	Sine.			9^c	Sine.		
80'	.15333	07837	36961	90'	.15488	28154	67571
	+ 15	52202	61036		+ 15	51822	17552
	-	37	87116		-	38	25409
81	.15348	60039	97997	91	.15503	79976	85123
	+ 15	52164	73920		+ 15	51783	92143
	-	37	90945		-	38	29238
82	.15364	12204	71917	92	.15519	31760	77266
	+ 15	52126	82975		+ 15	51745	62905
	-	37	94774		-	38	33067
83	.15379	64331	54892	93	.15534	83506	40171
	+ 15	52088	88201		+ 15	51707	29838
	-	37	98605		-	38	36896
84	.15395	16420	43093	94	.15550	35213	70009
	+ 15	52050	89596		+ 15	51668	92942
	-	38	02434		-	38	40724
85	.15410	68471	32689	95	.15565	86882	62951
	+ 15	52012	87162		+ 15	51630	52218
	-	38	06264		-	38	44553
86	.15426	20484	19851	96	.15581	38513	15169
	+ 15	51974	80898		+ 15	51592	07665
	-	38	10092		-	38	48380
87	.15441	72459	00749	97	.15596	90105	22834
	+ 15	51936	70806		+ 15	51553	59285
	-	38	13922		-	38	52210
88	.15457	24395	71555	98	.15612	41658	82119
	+ 15	51898	56884		+ 15	51515	07075
	-	38	17752		-	38	56038
89	.15472	76294	28439	99	.15627	93173	89194
	+ 15	51860	39132		+ 15	51476	51037
	-	38	21580		-	38	59865

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

10^c	Sine.			10^c	Sine.		
00'	.15643	44650	40231	10'	.15798	57286	26399
	+ 15	51437	91172		+ 15	51049	81989
	-	38	63695		-	39	01968
01	.15658	96088	31403	11	.15814	08336	08388
	+ 15	51399	27477		+ 15	51010	80021
	-	38	67520		-	39	05796
02	.15674	47487	58880	12	.15829	59346	88409
	+ 15	51360	59957		+ 15	50971	74225
	-	38	71351		-	39	09623
03	.15689	98848	18837	13	.15845	10318	62634
	+ 15	51321	88606		+ 15	50932	64602
	-	38	75176		-	39	13449
04	.15705	50170	07443	14	.15860	61251	27236
	+ 15	51283	13430		+ 15	50893	51153
	-	38	79005		-	39	17275
05	.15721	01453	20873	15	.15876	12144	78389
	+ 15	51244	34425		+ 15	50854	33878
	-	38	82833		-	39	21103
06	.15736	52697	55298	16	.15891	62999	12267
	+ 15	51205	51592		+ 15	50815	12775
	-	38	86659		-	39	24930
07	.15752	03903	06890	17	.15907	13814	25042
	+ 15	51166	64933		+ 15	50775	87845
	-	38	90488		-	39	28754
08	.15767	55069	71823	18	.15922	64590	12887
	+ 15	51127	74445		+ 15	50736	59091
	-	38	94314		-	39	32583
09	.15783	06197	46268	19	.15938	15326	71978
	+ 15	51088	80131		+ 15	50697	26508
	-	38	98142		-	39	36407

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

10^c	Sine.			10^c	Sine.				
20'	.15953	66023	98486	30'	.16108	70825	29866		
	+	15	50657	90101		+	15	50262	15603
	-		39	40234		-		39	78489
21	.15969	16681	88587	31	.16124	21087	45469		
	+	15	50618	49867		+	15	50222	37114
	-		39	44060		-		39	82316
22	.15984	67300	38454	32	.16139	71309	82583		
	+	15	50579	05807		+	15	50182	54798
	-		39	47886		-		39	86138
23	.16000	17879	44261	33	.16155	21492	37381		
	+	15	50539	57921		+	15	50142	68660
	-		39	51712		-		39	89965
24	.16015	68419	02182	34	.16170	71635	06041		
	+	15	50500	06209		+	15	50102	78695
	-		39	55537		-		39	93789
25	.16031	18919	08391	35	.16186	21737	84736		
	+	15	50460	50672		+	15	50062	84906
	-		39	59363		-		39	97614
26	.16046	69379	59063	36	.16201	71800	69642		
	+	15	50420	91309		+	15	50022	87292
	-		39	63188		-		40	01438
27	.16062	19800	50372	37	.16217	21823	56934		
	+	15	50381	28121		+	15	49982	85854
	-		39	67015		-		40	05263
28	.16077	70181	78493	38	.16232	71806	42788		
	+	15	50341	61106		+	15	49942	80591
	-		39	70839		-		40	09086
29	.16093	20523	39599	39	.16248	21749	23379		
	+	15	50301	90267		+	15	49902	71505
	-		39	74664		-		40	12912

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

10^c	Sine.			10^c	Sine.				
40'	.16263	71651	94884	50'	.16418	68465	68863		
	+	15	49862	58593		+	15	49459	19170
	-		40	16735		-		40	54971
41	.16279	21514	53477	51	.16434	17924	88033		
	+	15	49822	41858		+	15	49418	64199
	-		40	20560		-		40	58794
42	.16294	71336	95335	52	.16449	67343	52232		
	+	15	49782	21298		+	15	49378	05405
	-		40	24382		-		40	62617
43	.16310	21119	16633	53	.16465	16721	57637		
	+	15	49741	96916		+	15	49337	42788
	-		40	28208		-		40	66440
44	.16325	70861	13549	54	.16480	66059	00425		
	+	15	49701	68708		+	15	49296	76348
	-		40	32031		-		40	70263
45	.16341	20562	82257	55	.16496	15355	76773		
	+	15	49661	36677		+	15	49256	06085
	-		40	35854		-		40	74085
46	.16356	70224	18934	56	.16511	64611	82858		
	+	15	49621	00823		+	15	49215	32000
	-		40	39679		-		40	77908
47	.16372	19845	19757	57	.16527	13827	14858		
	+	15	49580	61144		+	15	49174	54092
	-		40	43500		-		40	81731
48	.16387	69425	80901	58	.16542	63001	68950		
	+	15	49540	17644		+	15	49133	72361
	-		40	47326		-		40	85552
49	.16403	18965	98545	59	.16558	12135	41311		
	+	15	49499	70318		+	15	49092	86809
	-		40	51148		-		40	89375

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

10^c	Sine.			10^c	Sine.				
60'	.16573	61228	28120	70'	.16728	49901	49969		
	+	15	49051	97434		+	15	48640	93484
	-		40	93198		-		41	31413
61	.16589	10280	25554	71	.16743	98542	43453		
	+	15	49011	04236		+	15	48599	62071
	-		40	97018		-		41	35233
62	.16604	59291	29790	72	.16759	47142	05524		
	+	15	48970	07218		+	15	48558	26838
	-		41	00841		-		41	39055
63	.16620	08261	37008	73	.16774	95700	32362		
	+	15	48929	06377		+	15	48516	87783
	-		41	04663		-		41	42876
64	.16635	57190	43385	74	.16790	44217	20145		
	+	15	48888	01714		+	15	48475	44907
	-		41	08485		-		41	46696
65	.16651	06078	45099	75	.16805	92692	65052		
	+	15	48846	93229		+	15	48433	98211
	-		41	12306		-		41	50517
66	.16666	54925	38328	76	.16821	41126	63263		
	+	15	48805	80923		+	15	48392	47694
	-		41	16127		-		41	54337
67	.16682	03731	19251	77	.16836	89519	10957		
	+	15	48764	64796		+	15	48350	93357
	-		41	19950		-		41	58158
68	.16697	52495	84047	78	.16852	37870	04314		
	+	15	48723	44846		+	15	48309	35199
	-		41	23770		-		41	61978
69	.16713	01219	28893	79	.16867	86179	39513		
	+	15	48682	21076		+	15	48267	73221
	-		41	27592		-		41	65798

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

10^c	Sine.				10^c	Sine.			
80'	.16883	34447	12734		90'	.17038	14826	95757	
	+	15	48226	07423		+	15	47807	39352
	-		41	69619		-		42	07813
81	.16898	82673	20157		91	.17053	62634	35109	
	+	15	48184	37804		+	15	47765	31539
	-		41	73438		-		42	11634
82	.16914	30857	57961		92	.17069	10399	66648	
	+	15	48142	64366		+	15	47723	19905
	-		41	77258		-		42	15451
83	.16929	79000	22327		93	.17084	58122	86553	
	+	15	48100	87108		+	15	47681	04454
	-		41	81079		-		42	19270
84	.16945	27101	09435		94	.17100	05803	91007	
	+	15	48059	06029		+	15	47638	85184
	-		41	84897		-		42	23088
85	.16960	75160	15464		95	.17115	53442	76191	
	+	15	48017	21132		+	15	47596	62096
	-		41	88717		-		42	26909
86	.16976	23177	36596		96	.17131	01039	38287	
	+	15	47975	32415		+	15	47554	35187
	-		41	92537		-		42	30725
87	.16991	71152	69011		97	.17146	48593	73474	
	+	15	47933	39878		+	15	47512	04462
	-		41	96356		-		42	34544
88	.17007	19086	08889		98	.17161	96105	77936	
	+	15	47891	43522		+	15	47469	69918
	-		42	00176		-		42	38362
89	.17022	66977	52411		99	.17177	43575	47854	
	+	15	47849	43346		+	15	47427	31556
	-		42	03994		-		42	42182

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

11^c	Sine.				11^c	Sine.			
00'	.17192	91002	79410		10'	.17347	62936	45098	
	+ 15	47384	89374			+ 15	46958	57596	
	-	42	45997			-	42	84173	
01	.17208	38387	68784		11	.17363	09895	02694	
	+ 15	47342	43377			+ 15	46915	73423	
	-	42	49817			-	42	87989	
02	.17223	85730	12161		12	.17378	56810	76117	
	+ 15	47299	93560			+ 15	46872	85434	
	-	42	53634			-	42	91808	
03	.17239	33030	05721		13	.17394	03683	61551	
	+ 15	47257	39926			+ 15	46829	93626	
	-	42	57453			-	42	95622	
04	.17254	80287	45647		14	.17409	50513	55177	
	+ 15	47214	82473			+ 15	46786	98004	
	-	42	61268			-	42	99440	
05	.17270	27502	28120		15	.17424	97300	53181	
	+ 15	47172	21205			+ 15	46743	98564	
	-	42	65088			-	43	03256	
06	.17285	74674	49325		16	.17440	44044	51745	
	+ 15	47129	56117			+ 15	46700	95308	
	-	42	68904			-	43	07073	
07	.17301	21804	05442		17	.17455	90745	47053	
	+ 15	47086	87213			+ 15	46657	88235	
	-	42	72722			-	43	10889	
08	.17316	68890	92655		18	.17471	37403	35288	
	+ 15	47044	14491			+ 15	46614	77346	
	-	42	76539			-	43	14704	
09	.17332	15935	07146		19	.17486	84018	12634	
	+ 15	47001	37952			+ 15	46571	62642	
	-	42	80356			-	43	18521	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

11^c	Sine.			11^c	Sine.				
20'	.17502	30589	75276	30'	.17656	93924	53455		
	+	15	46528	44121		+	15	46094	49055
	-		43	22337		-		43	60490
21	.17517	77118	19397	31	.17672	40019	02510		
	+	15	46485	21784		+	15	46050	88565
	-		43	26153		-		43	64305
22	.17533	23603	41181	32	.17687	86069	91075		
	+	15	46441	95631		+	15	46007	24260
	-		43	29968		-		43	68119
23	.17548	70045	36812	33	.17703	32077	15335		
	+	15	46398	65663		+	15	45963	56141
	-		43	33783		-		43	71934
24	.17564	16444	02475	34	.17718	78040	71476		
	+	15	46355	31880		+	15	45919	84207
	-		43	37601		-		43	75749
25	.17579	62799	34355	35	.17734	23960	55683		
	+	15	46311	94279		+	15	45876	08458
	-		43	41413		-		43	79561
26	.17595	09111	28634	36	.17749	69836	64141		
	+	15	46268	52866		+	15	45832	28897
	-		43	45231		-		43	83378
27	.17610	55379	81500	37	.17765	15668	93038		
	+	15	46225	07635		+	15	45788	45519
	-		43	49045		-		43	87190
28	.17626	01604	89135	38	.17780	61457	38557		
	+	15	46181	58590		+	15	45744	58329
	-		43	52860		-		43	91005
29	.17641	47786	47725	39	.17796	07201	96886		
	+	15	46138	05730		+	15	45700	67324
	-		43	56675		-		43	94818

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

11^c	Sine.				11^c	Sine.			
40'	.17811	52902	64210		50'	.17966	07485	93193	
	+ 15	45656	72506			+ 15	45215	14580	
	-	43	98633			-	44	36763	
41	.17826	98559	36716		51	.17981	52701	07773	
	+ 15	45612	73873			+ 15	45170	77817	
	-	44	02446			-	44	40577	
42	.17842	44172	10589		52	.17996	97871	85590	
	+ 15	45568	71427			+ 15	45126	37240	
	-	44	06260			-	44	44389	
43	.17857	89740	82016		53	.18012	42998	22830	
	+ 15	45524	65167			+ 15	45081	92851	
	-	44	10072			-	44	48201	
44	.17873	35265	47183		54	.18027	88080	15681	
	+ 15	45480	55095			+ 15	45037	44650	
	-	44	13887			-	44	52013	
45	.17888	80746	02278		55	.18043	33117	60331	
	+ 15	45436	41208			+ 15	44992	92637	
	-	44	17700			-	44	55827	
46	.17904	26182	43486		56	.18058	78110	52968	
	+ 15	45392	23508			+ 15	44948	36810	
	-	44	21512			-	44	59637	
47	.17919	71574	66994		57	.18074	23058	89778	
	+ 15	45348	01996			+ 15	44903	77173	
	-	44	25325			-	44	63449	
48	.17935	16922	68990		58	.18089	67962	66951	
	+ 15	45303	76671			+ 15	44859	13724	
	-	44	29139			-	44	67262	
49	.17950	62226	45661		59	.18105	12821	80675	
	+ 15	45259	47532			+ 15	44814	46462	
	-	44	32952			-	44	71072	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

11^c	Sine.			11^c	Sine.		
60'	.18120	57636	27137	70'	.18275	03315	53874
+ 15	44769	75390		+ 15	44320	55041	
-	44	74886		-	45	12994	
61	.18136	02406	02527	71	.18290	47636	08915
+ 15	44725	00504		+ 15	44275	42047	
-	44	78695		-	45	16804	
62	.18151	47131	03031	72	.18305	91911	50962
+ 15	44680	21809		+ 15	44230	25243	
-	44	82508		-	45	20615	
63	.18166	91811	24840	73	.18321	36141	76205
+ 15	44635	39301		+ 15	44185	04628	
-	44	86318		-	45	24425	
64	.18182	36446	64141	74	.18336	80326	80833
+ 15	44590	52983		+ 15	44139	80203	
-	44	90130		-	45	28234	
65	.18197	81037	17124	75	.18352	24466	61036
+ 15	44545	62853		+ 15	44094	51969	
-	44	93940		-	45	32046	
66	.18213	25582	79977	76	.18367	68561	13005
+ 15	44500	68913		+ 15	44049	19923	
-	44	97753		-	45	35854	
67	.18228	70083	48890	77	.18383	12610	32928
+ 15	44455	71160		+ 15	44003	84069	
-	45	01562		-	45	39664	
68	.18244	14539	20050	78	.18398	56614	16997
+ 15	44410	69598		+ 15	43958	44405	
-	45	05372		-	45	43474	
69	.18259	58949	89648	79	.18414	00572	61402
+ 15	44365	64226		+ 15	43913	00931	
-	45	09185		-	45	47283	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

11^c	Sine.				11^c	Sine.			
80'	.18429	44485	62333		90'	.18583	81108	42561	
	+	15	43867	53648		+	15	43410	71321
	-		45	51093		-		45	89181
81	.18444	88353	15981		91	.18599	24519	13882	
	+	15	43822	02555		+	15	43364	82140
	-		45	54901		-		45	92987
82	.18460	32175	18536		92	.18614	67883	96022	
	+	15	43776	47654		+	15	43318	89153
	-		45	58712		-		45	96797
83	.18475	75951	66190		93	.18630	11202	85175	
	+	15	43730	88942		+	15	43272	92356
	-		45	62519		-		46	00603
84	.18491	19682	55132		94	.18645	54475	77531	
	+	15	43685	26423		+	15	43226	91753
	-		45	66329		-		46	04412
85	.18506	63367	81555		95	.18660	97702	69284	
	+	15	43639	60094		+	15	43180	87341
	-		45	70138		-		46	08218
86	.18522	07007	41649		96	.18676	40883	56625	
	+	15	43593	89956		+	15	43134	79123
	-		45	73946		-		46	12028
87	.18537	50601	31605		97	.18691	84018	35748	
	+	15	43548	16010		+	15	43088	67095
	-		45	77755		-		46	15833
88	.18552	94149	47615		98	.18707	27107	02843	
	+	15	43502	38255		+	15	43042	51262
	-		45	81564		-		46	19642
89	.18568	37651	85870		99	.18722	70149	54105	
	+	15	43456	56691		+	15	42996	31620
	-		45	85370		-		46	23449

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

12^c	Sine.				12^c	Sine.			
00'	.18738	13145	85725		10'	.18892	40559	84121	
	+ 15	42950	08171			+ 15	42485	64315	
	-	46	27255			-	46	65320	
01	.18753	56095	93896		11	.18907	83045	48436	
	+ 15	42903	80916			+ 15	42438	98995	
	-	46	31063			-	46	69126	
02	.18768	98999	74812		12	.18923	25484	47431	
	+ 15	42857	49853			+ 15	42392	29869	
	-	46	34870			-	46	72932	
03	.18784	41857	24665		13	.18938	67876	77300	
	+ 15	42811	14983			+ 15	42345	56937	
	-	46	38675			-	46	76737	
04	.18799	84668	39648		14	.18954	10222	34237	
	+ 15	42764	76308			+ 15	42298	80200	
	-	46	42484			-	46	80543	
05	.18815	27433	15956		15	.18969	52521	14437	
	+ 15	42718	33824			+ 15	42251	99657	
	-	46	46289			-	46	84348	
06	.18830	70151	49780		16	.18984	94773	14094	
	+ 15	42671	87535			+ 15	42205	15309	
	-	46	50095			-	46	88153	
07	.18846	12823	37315		17	.19000	36978	29403	
	+ 15	42625	37440			+ 15	42158	27156	
	-	46	53903			-	46	91959	
08	.18861	55448	74755		18	.19015	79136	56559	
	+ 15	42578	83537			+ 15	42111	35197	
	-	46	57708			-	46	95763	
09	.18876	98027	58292		19	.19031	21247	91756	
	+ 15	42532	25829			+ 15	42064	39434	
	-	46	61514			-	46	99569	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

12^c	Sine.			12^c	Sine.		
20'	.19046	63312	31190	30'	.19200	81365	21520
	+ 15	42017	39865		+ 15	41545	34939
	-	47	03372		-	47	41415
21	.19062	05329	71055	31	.19216	22910	56459
	+ 15	41970	36493		+ 15	41497	93524
	-	47	07179		-	47	45218
22	.19077	47300	07548	32	.19231	64408	49983
	+ 15	41923	29314		+ 15	41450	48306
	-	47	10981		-	47	49021
23	.19092	89223	36862	33	.19247	05858	98289
	+ 15	41876	18333		+ 15	41402	99285
	-	47	14788		-	47	52825
24	.19108	31099	55195	34	.19262	47261	97574
	+ 15	41829	03545		+ 15	41355	46460
	-	47	18590		-	47	56627
25	.19123	72928	58740	35	.19277	88617	44034
	+ 15	41781	84955		+ 15	41307	89833
	-	47	22396		-	47	60432
26	.19139	14710	43695	36	.19293	29925	33867
	+ 15	41734	62559		+ 15	41260	29401
	-	47	26199		-	47	64233
27	.19154	56445	06254	37	.19308	71185	63268
	+ 15	41687	36360		+ 15	41212	65168
	-	47	30003		-	47	68036
28	.19169	98132	42614	38	.19324	12398	28436
	+ 15	41640	06357		+ 15	41164	97132
	-	47	33808		-	47	71840
29	.19185	39772	48971	39	.19339	53563	25568
	+ 15	41592	72549		+ 15	41117	25292
	-	47	37610		-	47	75641

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

12^c	Sine.				12^c	Sine.			
40'	.19354	94680	50860		50'	.19509	03220	16128	
	+	15	41069	49651		+	15	40589	84120
	-		47	79444		-		48	17463
41	.19370	35750	00511		51	.19524	43810	00248	
	+	15	41021	70207		+	15	40541	66657
	-		47	83247		-		48	21263
42	.19385	76771	70718		52	.19539	84351	66905	
	+	15	40973	86960		+	15	40493	45394
	-		47	87049		-		48	25064
43	.19401	17745	57678		53	.19555	24845	12299	
	+	15	40925	99911		+	15	40445	20330
	-		47	90850		-		48	28865
44	.19416	58671	57589		54	.19570	65290	32629	
	+	15	40878	09061		+	15	40396	91465
	-		47	94653		-		48	32666
45	.19431	99549	66650		55	.19586	05687	24094	
	+	15	40830	14408		+	15	40348	58799
	-		47	98454		-		48	36466
46	.19447	40379	81058		56	.19601	46035	82893	
	+	15	40782	15954		+	15	40300	22333
	-		48	02257		-		48	40268
47	.19462	81161	97012		57	.19616	86336	05226	
	+	15	40734	13697		+	15	40251	82065
	-		48	06058		-		48	44066
48	.19478	21896	10709		58	.19632	26587	87291	
	+	15	40686	07639		+	15	40203	37999
	-		48	09859		-		48	47869
49	.19493	62582	18348		59	.19647	66791	25290	
	+	15	40637	97780		+	15	40154	90130
	-		48	13660		-		48	51667

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

12^c	Sine.			12^c	Sine.				
60'	.19663	06946	15420	70'	.19817	05820	48019		
	+	15	40106	38463		+	15	39619	12800
	-		48	55469		-		48	93462
61	.19678	47052	53883	71	.19832	45439	60819		
	+	15	40057	82994		+	15	39570	19338
	-		48	59267		-		48	97260
62	.19693	87110	36877	72	.19847	85009	80157		
	+	15	40009	23727		+	15	39521	22078
	-		48	63068		-		49	01061
63	.19709	27119	60604	73	.19863	24531	02235		
	+	15	39960	60659		+	15	39472	21017
	-		48	66868		-		49	04856
64	.19724	67080	21263	74	.19878	64003	23252		
	+	15	39911	93791		+	15	39423	16161
	-		48	70666		-		49	08658
65	.19740	06992	15054	75	.19894	03426	39413		
	+	15	39863	23125		+	15	39374	07503
	-		48	74467		-		49	12453
66	.19755	46855	38179	76	.19909	42800	46916		
	+	15	39814	48658		+	15	39324	95050
	-		48	78266		-		49	16253
67	.19770	86669	86837	77	.19924	82125	41966		
	+	15	39765	70392		+	15	39275	78797
	-		48	82065		-		49	20051
68	.19786	26435	57229	78	.19940	21401	20763		
	+	15	39716	88327		+	15	39226	58746
	-		48	85864		-		49	23848
69	.19801	66152	45556	79	.19955	60627	79509		
	+	15	39668	02463		+	15	39177	34898
	-		48	89663		-		49	27646

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

12^c	Sine.				12^c	Sine.			
80'	.19970	99805	14407		90'	.20124	88862	16270	
	+ 15	39128	07252			+ 15	38633	21939	
	-	49	31445			-	49	69414	
81	.19986	38933	21659		91	.20140	27495	38209	
	+ 15	39078	75807			+ 15	38583	52525	
	-	49	35240			-	49	73210	
82	.20001	78011	97466		92	.20155	66078	90734	
	+ 15	39029	40567			+ 15	38533	79315	
	-	49	39040			-	49	77006	
83	.20017	17041	38033		93	.20171	04612	70049	
	+ 15	38980	01527			+ 15	38484	02309	
	-	49	42836			-	49	80802	
84	.20032	56021	39560		94	.20186	43096	72358	
	+ 15	38930	58691			+ 15	38434	21507	
	-	49	46633			-	49	84598	
85	.20047	94951	98251		95	.20201	81530	93865	
	+ 15	38881	12058			+ 15	38384	36909	
	-	49	50430			-	49	88395	
86	.20063	33833	10309		96	.20217	19915	30774	
	+ 15	38831	61628			+ 15	38334	48514	
	-	49	54227			-	49	92189	
87	.20078	72664	71937		97	.20232	58249	79288	
	+ 15	38782	07401			+ 15	38284	56325	
	-	49	58025			-	49	95985	
88	.20094	11446	79338		98	.20247	96534	35613	
	+ 15	38732	49376			+ 15	38234	60340	
	-	49	61820			-	49	99781	
89	.20109	50179	28714		99	.20263	34768	95953	
	+ 15	38682	87556			+ 15	38184	60559	
	-	49	65617			-	50	03575	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

13^c	Sine.				13^c	Sine.			
00'	.20278	72953	56512		10'	.20432	52041	39262	
	+ 15	38134	56984			+ 15	37632	12508	
	-	50	07372			-	50	45315	
01	.20294	11088	13496		11	.20447	89673	51770	
	+ 15	38084	49612			+ 15	37581	67193	
	-	50	11166			-	50	49111	
02	.20309	49172	63108		12	.20463	27255	18963	
	+ 15	38034	38446			+ 15	37531	18082	
	-	50	14961			-	50	52904	
03	.20324	87207	01554		13	.20478	64786	37045	
	+ 15	37984	23485			+ 15	37480	65178	
	-	50	18756			-	50	56697	
04	.20340	25191	25039		14	.20494	02267	02223	
	+ 15	37934	04729			+ 15	37430	08481	
	-	50	22551			-	50	60491	
05	.20355	63125	29768		15	.20509	39697	10704	
	+ 15	37883	82178			+ 15	37379	47990	
	-	50	26345			-	50	64284	
06	.20371	01009	11946		16	.20524	77076	58694	
	+ 15	37833	55833			+ 15	37328	83706	
	-	50	30140			-	50	68077	
07	.20386	38842	67779		17	.20540	14405	42400	
	+ 15	37783	25693			+ 15	37278	15629	
	-	50	33934			-	50	71871	
08	.20401	76625	93472		18	.20555	51683	58029	
	+ 15	37732	91759			+ 15	37227	43758	
	-	50	37728			-	50	75664	
09	.20417	14358	85231		19	.20570	88911	01787	
	+ 15	37682	54031			+ 15	37176	68094	
	-	50	41523			-	50	79455	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

13^c	Sine.				13^c	Sine.			
20'	.20586	26087	69881		30'	.20739	95054	54978	
	+	15	37125	88639		+	15	36615	85497
	-		50	83250		-		51	21168
21	.20601	63213	58520		31	.20755	31670	40475	
	+	15	37075	05389		+	15	36564	64329
	-		50	87041		-		51	24961
22	.20617	00288	63909		32	.20770	68235	04804	
	+	15	37024	18348		+	15	36513	39368
	-		50	90834		-		51	28752
23	.20632	37312	82257		33	.20786	04748	44172	
	+	15	36973	27514		+	15	36462	10616
	-		50	94627		-		51	32542
24	.20647	74286	09771		34	.20801	41210	54788	
	+	15	36922	32887		+	15	36410	78074
	-		50	98418		-		51	36334
25	.20663	11208	42658		35	.20816	77621	32862	
	+	15	36871	34469		+	15	36359	41740
	-		51	02211		-		51	40124
26	.20678	48079	77127		36	.20832	13980	74602	
	+	15	36820	32258		+	15	36308	01616
	-		51	06002		-		51	43916
27	.20693	84900	09385		37	.20847	50288	76218	
	+	15	36769	26256		+	15	36256	57700
	-		51	09794		-		51	47705
28	.20709	21669	35641		38	.20862	86545	33918	
	+	15	36718	16462		+	15	36205	09995
	-		51	13587		-		51	51496
29	.20724	58387	52103		39	.20878	22750	43913	
	+	15	36667	02875		+	15	36153	58499
	-		51	17378		-		51	55287

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

13^c	Sine.			13^c	Sine.				
40'	.20893	58904	02412	50'	.21047	17598	21306		
	+	15	36102	03212		+	15	35584	41908
	-		51	59077		-		51	96970
41	.20908	95006	05624	51	.21062	53182	63214		
	+	15	36050	44135		+	15	35532	44938
	-		51	62866		-		52	00761
42	.20924	31056	49759	52	.21077	88715	08152		
	+	15	35998	81269		+	15	35480	44177
	-		51	66656		-		52	04548
43	.20939	67055	31028	53	.21093	24195	52329		
	+	15	35947	14613		+	15	35428	39629
	-		51	70448		-		52	08338
44	.20955	03002	45641	54	.21108	59623	91958		
	+	15	35895	44165		+	15	35376	31291
	-		51	74235		-		52	12126
45	.20970	38897	89806	55	.21123	95000	23249		
	+	15	35843	69930		+	15	35324	19165
	-		51	78026		-		52	15914
46	.20985	74741	59736	56	.21139	30324	42414		
	+	15	35791	91904		+	15	35272	03251
	-		51	81815		-		52	19701
47	.21001	10533	51640	57	.21154	65596	45665		
	+	15	35740	10089		+	15	35219	83550
	-		51	85604		-		52	23491
48	.21016	46273	61729	58	.21170	00816	29215		
	+	15	35688	24485		+	15	35167	60059
	-		51	89393		-		52	27278
49	.21031	81961	86214	59	.21185	35983	89274		
	+	15	35636	35092		+	15	35115	32781
	-		51	93184		-		52	31066

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

13^c	Sine.			13^c	Sine.		
60'	.21200	71099	22055	70'	.21354	19369	16335
+ 15	35063	01715		+ 15	34537	82760	
-	52	34853		-	52	72722	
61	.21216	06162	23770	71	.21369	53906	99095
+ 15	35010	66862		+ 15	34485	10038	
-	52	38641		-	52	76509	
62	.21231	41172	90632	72	.21384	88392	09133
+ 15	34958	28221		+ 15	34432	33529	
-	52	42428		-	52	80294	
63	.21246	76131	18853	73	.21400	22824	42662
+ 15	34905	85793		+ 15	34379	53235	
-	52	46216		-	52	84081	
64	.21262	11037	04646	74	.21415	57203	95897
+ 15	34853	39577		+ 15	34326	69154	
-	52	50002		-	52	87867	
65	.21277	45890	44223	75	.21430	91530	65051
+ 15	34800	89575		+ 15	34273	81287	
-	52	53789		-	52	91651	
66	.21292	80691	33798	76	.21446	25804	46338
+ 15	34748	35786		+ 15	34220	89636	
-	52	57577		-	52	95438	
67	.21308	15439	69584	77	.21461	60025	35974
+ 15	34695	78209		+ 15	34167	94198	
-	52	61363		-	52	99223	
68	.21323	50135	47793	78	.21476	94193	30172
+ 15	34643	16846		+ 15	34114	94975	
-	52	65150		-	53	03009	
69	.21338	84778	64639	79	.21492	28308	25147
+ 15	34590	51696		+ 15	34061	91966	
-	52	68936		-	53	06792	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

13^c	Sine.			13^c	Sine.		
80'	.21507	62370	17113	90'	.21661	00064	38657
	+	15	34008	85174		+	15
	-		53	10580		-	53
81	.21522	96379	02287	91	.21676	33540	47742
	+	15	33955	74594		+	15
	-		53	14362		-	53
82	.21538	30334	76881	92	.21691	66963	08405
	+	15	33902	60232		+	15
	-		53	18149		-	53
83	.21553	64237	37113	93	.21707	00332	16864
	+	15	33849	42083		+	15
	-		53	21932		-	53
84	.21568	98086	79196	94	.21722	33647	69334
	+	15	33796	20151		+	15
	-		53	25718		-	53
85	.21584	31882	99347	95	.21737	66909	62032
	+	15	33742	94433		+	15
	-		53	29501		-	53
86	.21599	65625	93780	96	.21753	00117	91176
	+	15	33689	64932		+	15
	-		53	33286		-	53
87	.21614	99315	58712	97	.21768	33272	52981
	+	15	33636	31646		+	15
	-		53	37069		-	53
88	.21630	32951	90358	98	.21783	66373	43666
	+	15	33582	94577		+	15
	-		53	40855		-	53
89	.21645	66534	84935	99	.21798	99420	59448
	+	15	33529	53722		+	15
	-		53	44637		-	53

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

14^c	Sine.				14^c	Sine.			
00'	.21814	32413	96543		10'	.21967	59381	07665	
	+ 15	32939	54626			+ 15	32399	21930	
	-	53	86251			-	54	24067	
01	.21829	65353	51169		11	.21982	91780	29595	
	+ 15	32885	68375			+ 15	32344	97863	
	-	53	90033			-	54	27849	
02	.21844	98239	19544		12	.21998	24125	27458	
	+ 15	32831	78342			+ 15	32290	70014	
	-	53	93816			-	54	31629	
03	.21860	31070	97886		13	.22013	56415	97472	
	+ 15	32777	84526			+ 15	32236	38385	
	-	53	97597			-	54	35410	
04	.21875	63848	82412		14	.22028	88652	35857	
	+ 15	32723	86929			+ 15	32182	02975	
	-	54	01379			-	54	39190	
05	.21890	96572	69341		15	.22044	20834	38832	
	+ 15	32669	85550			+ 15	32127	63785	
	-	54	05161			-	54	42971	
06	.21906	29242	54891		16	.22059	52962	02617	
	+ 15	32615	80389			+ 15	32073	20814	
	-	54	08943			-	54	46751	
07	.21921	61858	35280		17	.22074	85035	23431	
	+ 15	32561	71446			+ 15	32018	74063	
	-	54	12724			-	54	50531	
08	.21936	94420	06726		18	.22090	17053	97494	
	+ 15	32507	58722			+ 15	31964	23532	
	-	54	16505			-	54	54311	
09	.21952	26927	65448		19	.22105	49018	21026	
	+ 15	32453	42217			+ 15	31909	69221	
	-	54	20287			-	54	58091	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

14^c	Sine.			14^c	Sine.				
20'	.22120	80927	90247	30'	.22273	97016	63850		
	+	15	31855	11130		+	15	31307	22360
	-		54	61871		-		54	99661
21	.22136	12783	01377	31	.22289	28323	86210		
	+	15	31800	49259		+	15	31252	22699
	-		54	65649		-		55	03438
22	.22151	44583	50636	32	.22304	59576	08909		
	+	15	31745	83610		+	15	31197	19261
	-		54	69431		-		55	07216
23	.22166	76329	34246	33	.22319	90773	28170		
	+	15	31691	14179		+	15	31142	12045
	-		54	73208		-		55	10995
24	.22182	08020	48425	34	.22335	21915	40215		
	+	15	31636	40971		+	15	31087	01050
	-		54	76988		-		55	14772
25	.22197	39656	89396	35	.22350	53002	41265		
	+	15	31581	63983		+	15	31031	86278
	-		54	80768		-		55	18550
26	.22212	71238	53379	36	.22365	84034	27543		
	+	15	31526	83215		+	15	30976	67728
	-		54	84545		-		55	22327
27	.22228	02765	36594	37	.22381	15010	95271		
	+	15	31471	98670		+	15	30921	45401
	-		54	88325		-		55	26106
28	.22243	34237	35264	38	.22396	45932	40672		
	+	15	31417	10345		+	15	30866	19295
	-		54	92104		-		55	29881
29	.22258	65654	45609	39	.22411	76798	59967		
	+	15	31362	18241		+	15	30810	89414
	-		54	95881		-		55	33659

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

14^c	Sine.			14^c	Sine.				
40'	.22427	07609	49381	50'	.22580	12668	69104		
	+	15	30755	55755		+	15	30200	11450
	-		55	37437		-		55	75198
41	.22442	38365	05136	51	.22595	42868	80554		
	+	15	30700	18318		+	15	30144	36252
	-		55	41213		-		55	78974
42	.22457	69065	23454	52	.22610	73013	16806		
	+	15	30644	77105		+	15	30088	57278
	-		55	44989		-		55	82749
43	.22472	99710	00559	53	.22626	03101	74084		
	+	15	30589	32116		+	15	30032	74529
	-		55	48767		-		55	86525
44	.22488	30299	32675	54	.22641	33134	48613		
	+	15	30533	83349		+	15	29976	88004
	-		55	52543		-		55	90299
45	.22503	60833	16024	55	.22656	63111	36617		
	+	15	30478	30806		+	15	29920	97705
	-		55	56319		-		55	94076
46	.22518	91311	46830	56	.22671	93032	34322		
	+	15	30422	74487		+	15	29865	03629
	-		55	60095		-		55	97848
47	.22534	21734	21317	57	.22687	22897	37951		
	+	15	30367	14392		+	15	29809	05781
	-		55	63871		-		56	01625
48	.22549	52101	35709	58	.22702	52706	43732		
	+	15	30311	50521		+	15	29753	04156
	-		55	67647		-		56	05398
49	.22564	82412	86230	59	.22717	82459	47888		
	+	15	30255	82874		+	15	29696	98758
	-		55	71424		-		56	09172

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

14^c	Sine.				14^c	Sine.			
60'	.22733	12156	46646		70'	.22886	06035	07013	
	+	15	29640	89586		+	15	29077	90296
	-		56	12949		-		56	50682
61	.22748	41797	36232		71	.22901	35112	97309	
	+	15	29584	76637		+	15	29021	39614
	-		56	16720		-		56	54455
62	.22763	71382	12869		72	.22916	64134	36923	
	+	15	29528	59917		+	15	28964	85159
	-		56	20495		-		56	58227
63	.22779	00910	72786		73	.22931	93099	22082	
	+	15	29472	39422		+	15	28908	26932
	-		56	24270		-		56	61999
64	.22794	30383	12208		74	.22947	22007	49014	
	+	15	29416	15152		+	15	28851	64933
	-		56	28042		-		56	65772
65	.22809	59799	27360		75	.22962	50859	13947	
	+	15	29359	87110		+	15	28794	99161
	-		56	31817		-		56	69545
66	.22824	89159	14470		76	.22977	79654	13108	
	+	15	29303	55293		+	15	28738	29616
	-		56	35589		-		56	73315
67	.22840	18462	69763		77	.22993	08392	42724	
	+	15	29247	19704		+	15	28681	56301
	-		56	39363		-		56	77088
68	.22855	47709	89467		78	.23008	37073	99025	
	+	15	29190	80341		+	15	28624	79213
	-		56	43136		-		56	80860
69	.22870	76900	69808		79	.23023	65698	78238	
	+	15	29134	37205		+	15	28567	98353
	-		56	46909		-		56	84632

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

14^c	Sine.				14^c	Sine.			
80'	.23038	94266	76591		90'	.23191	76813	83160	
	+ 15	28511	13721			+ 15	27940	60003	
	-	56	88401			-	57	26109	
81	.23054	22777	90312		91	.23207	04754	43163	
	+ 15	28454	25320			+ 15	27883	33894	
	-	56	92175			-	57	29880	
82	.23069	51232	15632		92	.23222	32637	77057	
	+ 15	28397	33145			+ 15	27826	04014	
	-	56	95945			-	57	33649	
83	.23084	79629	48777		93	.23237	60463	81071	
	+ 15	28340	37200			+ 15	27768	70365	
	-	56	99717			-	57	37419	
84	.23100	07969	85977		94	.23252	88232	51436	
	+ 15	28283	37483			+ 15	27711	32946	
	-	57	03486			-	57	41188	
85	.23115	36253	23460		95	.23268	15943	84382	
	+ 15	28226	33997			+ 15	27653	91758	
	-	57	07258			-	57	44958	
86	.23130	64479	57457		96	.23283	43597	76140	
	+ 15	28169	26739			+ 15	27596	46800	
	-	57	11029			-	57	48726	
87	.23145	92648	84196		97	.23298	71194	22940	
	+ 15	28112	15710			+ 15	27538	98074	
	-	57	14798			-	57	52496	
88	.23161	20760	99906		98	.23313	98733	21014	
	+ 15	28055	00912			+ 15	27481	45578	
	-	57	18570			-	57	56265	
89	.23176	48816	00818		99	.23329	26214	66592	
	+ 15	27997	82342			+ 15	27423	89313	
	-	57	22339			-	57	60033	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

15^c	Sine.			15^c	Sine.		
00'	.23344	53638	55905	10'	.23497	24703	25421
	+ 15	27366	29280		+ 15	26788	21695
	-	57	63802		-	58	01482
01	.23359	81004	85185	11	.23512	51491	47116
	+ 15	27308	65478		+ 15	26730	20213
	-	57	67571		-	58	05246
02	.23375	08313	50663	12	.23527	78221	67329
	+ 15	27250	97907		+ 15	26672	14967
	-	57	71339		-	58	09016
03	.23390	35564	48570	13	.23543	04893	82296
	+ 15	27193	26568		+ 15	26614	05951
	-	57	75107		-	58	12780
04	.23405	62757	75138	14	.23558	31507	88247
	+ 15	27135	51461		+ 15	26555	93171
	-	57	78875		-	58	16549
05	.23420	89893	26599	15	.23573	58063	81418
	+ 15	27077	72586		+ 15	26497	76622
	-	57	82643		-	58	20313
06	.23436	16970	99185	16	.23588	84561	58040
	+ 15	27019	89943		+ 15	26439	56309
	-	57	86411		-	58	24082
07	.23451	43990	89128	17	.23604	11001	14349
	+ 15	26962	03532		+ 15	26381	32227
	-	57	90178		-	58	27846
08	.23466	70952	92660	18	.23619	37382	46576
	+ 15	26904	13354		+ 15	26323	04381
	-	57	93947		-	58	31613
09	.23481	97857	06014	19	.23634	63705	50957
	+ 15	26846	19407		+ 15	26264	72768
	-	57	97712		-	58	35379

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

15^c	Sine.			15^c	Sine.				
20'	.23649	89970	23725	30'	.23802	49401	84263		
	+	15	26206	37389		+	15	25620	76507
	-		58	39145		-		58	76794
21	.23665	16176	61114	31	.23817	75022	60770		
	+	15	26147	98244		+	15	25561	99713
	-		58	42910		-		58	80559
22	.23680	42324	59358	32	.23833	00584	60483		
	+	15	26089	55334		+	15	25503	19154
	-		58	46676		-		58	84322
23	.23695	68414	14692	33	.23848	26087	79637		
	+	15	26031	08658		+	15	25444	34832
	-		58	50440		-		58	88086
24	.23710	94445	23350	34	.23863	51532	14469		
	+	15	25972	58218		+	15	25385	46746
	-		58	54207		-		58	91850
25	.23726	20417	81568	35	.23878	76917	61215		
	+	15	25914	04011		+	15	25326	54896
	-		58	57971		-		58	95615
26	.23741	46331	85579	36	.23894	02244	16111		
	+	15	25855	46040		+	15	25267	59281
	-		58	61737		-		58	99376
27	.23756	72187	31619	37	.23909	27511	75392		
	+	15	25796	84303		+	15	25208	59905
	-		58	65500		-		59	03141
28	.23771	97984	15922	38	.23924	52720	35297		
	+	15	25738	18803		+	15	25149	56764
	-		58	69265		-		59	06903
29	.23787	23722	34725	39	.23939	77869	92061		
	+	15	25679	49538		+	15	25090	49861
	-		58	73031		-		59	10667

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

15^c	Sine.			15^c	Sine.		
40'	.23955	02960	41922	50'	.24107	50608	33039
	+ 15	25031	39194		+ 15	24438	25594
	-	59	14430		-	59	52050
41	.23970	27991	81116	51	.24122	75046	58633
	+ 15	24972	24764		+ 15	24378	73544
	-	59	18192		-	59	55811
42	.23985	52964	05880	52	.24137	99425	32177
	+ 15	24913	06572		+ 15	24319	17733
	-	59	21954		-	59	59573
43	.24000	77877	12452	53	.24153	23744	49910
	+ 15	24853	84618		+ 15	24259	58160
	-	59	25718		-	59	63333
44	.24016	02730	97070	54	.24168	48004	08070
	+ 15	24794	58900		+ 15	24199	94827
	-	59	29479		-	59	67094
45	.24031	27525	55970	55	.24183	72204	02897
	+ 15	24735	29421		+ 15	24140	27733
	-	59	33242		-	59	70855
46	.24046	52260	85391	56	.24198	96344	30630
	+ 15	24675	96179		+ 15	24080	56878
	-	59	37003		-	59	74616
47	.24061	76936	81570	57	.24214	20424	87508
	+ 15	24616	59176		+ 15	24020	82262
	-	59	40766		-	59	78375
48	.24077	01553	40746	58	.24229	44445	69770
	+ 15	24557	18410		+ 15	23961	03887
	-	59	44527		-	59	82137
49	.24092	26110	59156	59	.24244	68406	73657
	+ 15	24497	73883		+ 15	23901	21750
	-	59	48289		-	59	85895

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

15^c	Sine.			15^c	Sine.		
60'	.24259	92307	95407	70'	.24412	28021	68290
+ 15	23841	35855		+ 15	23240	70122	
-	59	89656		-	60	27247	
61	.24275	16149	31262	71	.24427	51262	38412
+ 15	23781	46199		+ 15	23180	42875	
-	59	93417		-	60	31005	
62	.24290	39930	77461	72	.24442	74442	81287
+ 15	23721	52782		+ 15	23120	11870	
-	59	97174		-	60	34764	
63	.24305	63652	30243	73	.24457	97562	93157
+ 15	23661	55608		+ 15	23059	77106	
-	60	00936		-	60	38521	
64	.24320	87313	85851	74	.24473	20622	70263
+ 15	23601	54672		+ 15	22999	38585	
-	60	04694		-	60	42280	
65	.24336	10915	40523	75	.24488	43622	08848
+ 15	23541	49978		+ 15	22938	96305	
-	60	08453		-	60	46038	
66	.24351	34456	90501	76	.24503	66561	05153
+ 15	23481	41525		+ 15	22878	50267	
-	60	12213		-	60	49793	
67	.24366	57938	32026	77	.24518	89439	55420
+ 15	23421	29312		+ 15	22818	00474	
-	60	15971		-	60	53553	
68	.24381	81359	61338	78	.24534	12257	55894
+ 15	23361	13341		+ 15	22757	46921	
-	60	19730		-	60	57310	
69	.24397	04720	74679	79	.24549	35015	02815
+ 15	23300	93611		+ 15	22696	89611	
-	60	23489		-	60	61065	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

15^c	Sine.			15^c	Sine.				
80'	.24564	57711	92426	90'	.24716	81341	10041		
	+	15	22636	28546		+	15	22028	11273
	-		60	64825		-		61	02385
81	.24579	80348	20972	91	.24732	03369	21314		
	+	15	22575	63721		+	15	21967	08888
	-		60	68579		-		61	06139
82	.24595	02923	84693	92	.24747	25336	30202		
	+	15	22514	95142		+	15	21906	02749
	-		60	72337		-		61	09896
83	.24610	25438	79835	93	.24762	47242	32951		
	+	15	22454	22805		+	15	21844	92853
	-		60	76094		-		61	13650
84	.24625	47893	02640	94	.24777	69087	25804		
	+	15	22393	46711		+	15	21783	79203
	-		60	79849		-		61	17405
85	.24640	70286	49351	95	.24792	90871	05007		
	+	15	22332	66862		+	15	21722	61798
	-		60	83606		-		61	21160
86	.24655	92619	16213	96	.24808	12593	66805		
	+	15	22271	83256		+	15	21661	40638
	-		60	87362		-		61	24914
87	.24671	14890	99469	97	.24823	34255	07443		
	+	15	22210	95894		+	15	21600	15724
	-		60	91118		-		61	28669
88	.24686	37101	95363	98	.24838	55855	23167		
	+	15	22150	04776		+	15	21538	87055
	-		60	94874		-		61	32422
89	.24701	59252	00139	99	.24853	77394	10222		
	+	15	22089	09902		+	15	21477	54633
	-		60	98629		-		61	36178

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

16^c	Sine.				16^c	Sine.			
00'	.24868	98871	64855		10'	.25021	10266	02094	
	+ 15	21416	18455			+ 15	20800	50243	
	-	61	39930			-	61	77461	
01	.24884	20287	83310		11	.25036	31066	52337	
	+ 15	21354	78525			+ 15	20738	72782	
	-	61	43685			-	61	81215	
02	.24899	41642	61835		12	.25051	51805	25119	
	+ 15	21293	34840			+ 15	20676	91567	
	-	61	47439			-	61	84966	
03	.24914	62935	96675		13	.25066	72482	16686	
	+ 15	21231	87401			+ 15	20615	06601	
	-	61	51192			-	61	88719	
04	.24929	84167	84076		14	.25081	93097	23287	
	+ 15	21170	36209			+ 15	20553	17882	
	-	61	54944			-	61	92470	
05	.24945	05338	20285		15	.25097	13650	41169	
	+ 15	21108	81265			+ 15	20491	25412	
	-	61	58699			-	61	96221	
06	.24960	26447	01550		16	.25112	34141	66581	
	+ 15	21047	22566			+ 15	20429	29191	
	-	61	62452			-	61	99974	
07	.24975	47494	24116		17	.25127	54570	95772	
	+ 15	20985	60114			+ 15	20367	29217	
	-	61	66204			-	62	03725	
08	.24990	68479	84230		18	.25142	74938	24989	
	+ 15	20923	93910			+ 15	20305	25492	
	-	61	69956			-	62	07476	
09	.25005	89403	78140		19	.25157	95243	50481	
	+ 15	20862	23954			+ 15	20243	18016	
	-	61	73711			-	62	11227	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

16^c	Sine.				16^c	Sine.			
20'	.25173	15486	68497		30'	.25325	14496	12328	
	+	15	20181	06789		+	15	19557	88246
	-		62	14977		-		62	52479
21	.25188	35667	75286		31	.25340	34054	00574	
	+	15	20118	91812		+	15	19495	35767
	-		62	18729		-		62	56228
22	.25203	55786	67098		32	.25355	53549	36341	
	+	15	20056	73083		+	15	19432	79539
	-		62	22480		-		62	59976
23	.25218	75843	40181		33	.25370	72982	15880	
	+	15	19994	50603		+	15	19370	19563
	-		62	26229		-		62	63726
24	.25233	95837	90784		34	.25385	92352	35443	
	+	15	19932	24374		+	15	19307	55837
	-		62	29980		-		62	67474
25	.25249	15770	15158		35	.25401	11659	91280	
	+	15	19869	94394		+	15	19244	88363
	-		62	33730		-		62	71223
26	.25264	35640	09552		36	.25416	30904	79643	
	+	15	19807	60664		+	15	19182	17140
	-		62	37480		-		62	74971
27	.25279	55447	70216		37	.25431	50086	96783	
	+	15	19745	23184		+	15	19119	42169
	-		62	41230		-		62	78720
28	.25294	75192	93400		38	.25446	69206	38952	
	+	15	19682	81954		+	15	19056	63449
	-		62	44980		-		62	82468
29	.25309	94875	75354		39	.25461	88263	02401	
	+	15	19620	36974		+	15	18993	80981
	-		62	48728		-		62	86215

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

16^c	Sine.			16^c	Sine.				
40'	.25477	07256	83382	50'	.25628	93731	32997		
	+	15	18930	94766		+	15	18300	26505
	-		62	89964		-		63	27433
41	.25492	26187	78148	51	.25644	12031	59502		
	+	15	18868	04802		+	15	18236	99072
	-		62	93711		-		63	31180
42	.25507	45055	82950	52	.25659	30268	58574		
	+	15	18805	11091		+	15	18173	67892
	-		62	97458		-		63	34924
43	.25522	63860	94041	53	.25674	48442	26466		
	+	15	18742	13633		+	15	18110	32968
	-		63	01207		-		63	38671
44	.25537	82603	07674	54	.25689	66552	59434		
	+	15	18679	12426		+	15	18046	94297
	-		63	04952		-		63	42417
45	.25553	01282	20100	55	.25704	84599	53731		
	+	15	18616	07474		+	15	17983	51880
	-		63	08701		-		63	46162
46	.25568	19898	27574	56	.25720	02583	05611		
	+	15	18552	98773		+	15	17920	05718
	-		63	12447		-		63	49907
47	.25583	38451	26347	57	.25735	20503	11329		
	+	15	18489	86326		+	15	17856	55811
	-		63	16194		-		63	53652
48	.25598	56941	12673	58	.25750	38359	67140		
	+	15	18426	70132		+	15	17793	02159
	-		63	19940		-		63	57398
49	.25613	75367	82805	59	.25765	56152	69299		
	+	15	18363	50192		+	15	17729	44761
	-		63	23687		-		63	61142

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

16^c	Sine.			16^c	Sine.		
60'	.25780	73882	14060	70'	.25932	47671	81021
	+	15	17665	83619		+	15
	-		63	64888		-	64
61	.25795	91547	97679	71	.25947	64699	47284
	+	15	17602	18731		+	15
	-		63	68631		-	64
62	.25811	09150	16410	72	.25962	81663	11222
	+	15	17538	50100		+	15
	-		63	72375		-	64
63	.25826	26688	66510	73	.25977	98562	69092
	+	15	17474	77725		+	15
	-		63	76121		-	64
64	.25841	44163	44235	74	.25993	15398	17151
	+	15	17411	01604		+	15
	-		63	79864		-	64
65	.25856	61574	45839	75	.26008	32169	51657
	+	15	17347	21740		+	15
	-		63	83609		-	64
66	.25871	78921	67579	76	.26023	48876	68866
	+	15	17283	38131		+	15
	-		63	87351		-	64
67	.25886	96205	05710	77	.26038	65519	65036
	+	15	17219	50780		+	15
	-		63	91095		-	64
68	.25902	13424	56490	78	.26053	82098	36427
	+	15	17155	59685		+	15
	-		63	94839		-	64
69	.25917	30580	16175	79	.26068	98612	79294
	+	15	17091	64846		+	15
	-		63	98583		-	64

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

16^c	Sine.				16^c	Sine.			
80'	.26084	15062	89897		90'	.26235	76017	98286	
	+	15	16385	74597		+	15	15740	08777
	-		64	39748		-		64	77154
81	.26099	31448	64494		91	.26250	91758	07063	
	+	15	16321	34849		+	15	15675	31623
	-		64	43489		-		64	80895
82	.26114	47769	99343		92	.26266	07433	38686	
	+	15	16256	91360		+	15	15610	50728
	-		64	47231		-		64	84633
83	.26129	64026	90703		93	.26281	23043	89414	
	+	15	16192	44129		+	15	15545	66095
	-		64	50970		-		64	88373
84	.26144	80219	34832		94	.26296	38589	55509	
	+	15	16127	93159		+	15	15480	77722
	-		64	54713		-		64	92113
85	.26159	96347	27991		95	.26311	54070	33231	
	+	15	16063	38446		+	15	15415	85609
	-		64	58453		-		64	95851
86	.26175	12410	66437		96	.26326	69486	18840	
	+	15	15998	79993		+	15	15350	89758
	-		64	62194		-		64	99591
87	.26190	28409	46430		97	.26341	84837	08598	
	+	15	15934	17799		+	15	15285	90167
	-		64	65933		-		65	03329
88	.26205	44343	64229		98	.26357	00122	98765	
	+	15	15869	51866		+	15	15220	86838
	-		64	69675		-		65	07068
89	.26220	60213	16095		99	.26372	15343	85603	
	+	15	15804	82191		+	15	15155	79770
	-		64	73414		-		65	10807

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

17^c	Sine.				17^c	Sine.			
00'	.26387	30499	65373		10'	.26538	78470	51940	
	+ 15	15090	68963			+ 15	14437	55316	
	-	65	14544			-	65	51919	
01	.26402	45590	34336		11	.26553	92908	07256	
	+ 15	15025	54419			+ 15	14372	03397	
	-	65	18284			-	65	55657	
02	.26417	60615	88755		12	.26569	07280	10653	
	+ 15	14960	36135			+ 15	14306	47740	
	-	65	22021			-	65	59391	
03	.26432	75576	24890		13	.26584	21586	58393	
	+ 15	14895	14114			+ 15	14240	88349	
	-	65	25758			-	65	63129	
04	.26447	90471	39004		14	.26599	35827	46742	
	+ 15	14829	88356			+ 15	14175	25220	
	-	65	29497			-	65	66865	
05	.26463	05301	27360		15	.26614	50002	71962	
	+ 15	14764	58859			+ 15	14109	58355	
	-	65	33235			-	65	70600	
06	.26478	20065	86219		16	.26629	64112	30317	
	+ 15	14699	25624			+ 15	14043	87755	
	-	65	36970			-	65	74337	
07	.26493	34765	11843		17	.26644	78156	18072	
	+ 15	14633	88654			+ 15	13978	13418	
	-	65	40710			-	65	78072	
08	.26508	49399	00497		18	.26659	92134	31490	
	+ 15	14568	47944			+ 15	13912	35346	
	-	65	44445			-	65	81806	
09	.26523	63967	48441		19	.26675	06046	66836	
	+ 15	14503	03499			+ 15	13846	53540	
	-	65	48183			-	65	85544	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

17^c	Sine.				17^c	Sine.			
20'	.26690	19893	20376		30'	.26841	54730	34685	
	+	15	13780	67996		+	15	13120	07166
	-		65	89277		-		66	26619
21	.26705	33673	88372		31	.26856	67850	41851	
	+	15	13714	78719		+	15	13053	80547
	-		65	93013		-		66	30353
22	.26720	47388	67091		32	.26871	80904	22398	
	+	15	13648	85706		+	15	12987	50194
	-		65	96747		-		66	34087
23	.26735	61037	52797		33	.26886	93891	72592	
	+	15	13582	88959		+	15	12921	16107
	-		66	00483		-		66	37819
24	.26750	74620	41756		34	.26902	06812	88699	
	+	15	13516	88476		+	15	12854	78288
	-		66	04216		-		66	41552
25	.26765	88137	30232		35	.26917	19667	66987	
	+	15	13450	84260		+	15	12788	36736
	-		66	07950		-		66	45284
26	.26781	01588	14492		36	.26932	32456	03723	
	+	15	13384	76310		+	15	12721	91452
	-		66	11686		-		66	49018
27	.26796	14972	90802		37	.26947	45177	95175	
	+	15	13318	64624		+	15	12655	42434
	-		66	15418		-		66	52750
28	.26811	28291	55426		38	.26962	57833	37609	
	+	15	13252	49206		+	15	12588	89684
	-		66	19153		-		66	56481
29	.26826	41544	04632		39	.26977	70422	27293	
	+	15	13186	30053		+	15	12522	33203
	-		66	22887		-		66	60213

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

17^c	Sine.			17^c	Sine.		
40'	.26992	82944	60496	50'	.27144	04498	65074
	+	15	12455	72990		+	15
	-		66	63947		-	67
41	.27007	95400	33486	51	.27159	16286	30703
	+	15	12389	09043		+	15
	-		66	67676		-	67
42	.27023	07789	42529	52	.27174	28006	95077
	+	15	12322	41367		+	15
	-		66	71409		-	67
43	.27038	20111	83896	53	.27189	39660	54465
	+	15	12255	69958		+	15
	-		66	75141		-	67
44	.27053	32367	53854	54	.27204	51247	05140
	+	15	12188	94817		+	15
	-		66	78870		-	67
45	.27068	44556	48671	55	.27219	62766	43369
	+	15	12122	15947		+	15
	-		66	82603		-	67
46	.27083	56678	64618	56	.27234	74218	65425
	+	15	12055	33344		+	15
	-		66	86332		-	67
47	.27098	68733	97962	57	.27249	85603	67578
	+	15	11988	47012		+	15
	-		66	90065		-	67
48	.27113	80722	44974	58	.27264	96921	46098
	+	15	11921	56947		+	15
	-		66	93794		-	67
49	.27128	92644	01921	59	.27280	08171	97257
	+	15	11854	63153		+	15
	-		66	97524		-	67

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

17^c	Sine.				17^c	Sine.			
60'	.27295	19355	17325		70'	.27446	27476	87809	
+ 15	11115	85250			+ 15	10440	32017		
-	67	38549			-	67	75824		
61	.27310	30471	02575		71	.27461	37917	19826	
+ 15	11048	46701			+ 15	10372	56193		
-	67	42275			-	67	79550		
62	.27325	41519	49276		72	.27476	48289	76019	
+ 15	10981	04426			+ 15	10304	76643		
-	67	46004			-	67	83276		
63	.27340	52500	53702		73	.27491	58594	52662	
+ 15	10913	58422			+ 15	10236	93367		
-	67	49733			-	67	87004		
64	.27355	63414	12124		74	.27506	68831	46029	
+ 15	10846	08689			+ 15	10169	06363		
-	67	53459			-	67	90730		
65	.27370	74260	20813		75	.27521	79000	52392	
+ 15	10778	55230			+ 15	10101	15633		
-	67	57189			-	67	94455		
66	.27385	85038	76043		76	.27536	89101	68025	
+ 15	10710	98041			+ 15	10033	21178		
-	67	60914			-	67	98182		
67	.27400	95749	74084		77	.27551	99134	89203	
+ 15	10643	37127			+ 15	09965	22996		
-	67	64643			-	68	01906		
68	.27416	06393	11211		78	.27567	09100	12199	
+ 15	10575	72484			+ 15	09897	21090		
-	67	68370			-	68	05633		
69	.27431	16968	83695		79	.27582	18997	33289	
+ 15	10508	04114			+ 15	09829	15457		
-	67	72097			-	68	09358		

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

17^c	Sine.				17^c	Sine.			
80'	.27597	28826	48746		90'	.27748	23366	74029	
	+ 15	09761	06099			+ 15	09078	07662	
	-	68	13083			-	68	50326	
81	.27612	38587	54845		91	.27763	32444	81691	
	+ 15	09692	93016			+ 15	09009	57336	
	-	68	16809			-	68	54048	
82	.27627	48280	47861		92	.27778	41454	39027	
	+ 15	09624	76207			+ 15	08941	03288	
	-	68	20532			-	68	57773	
83	.27642	57905	24068		93	.27793	50395	42315	
	+ 15	09556	55675			+ 15	08872	45515	
	-	68	24258			-	68	61495	
84	.27657	67461	79743		94	.27808	59267	87830	
	+ 15	09488	31417			+ 15	08803	84020	
	-	68	27982			-	68	65218	
85	.27672	76950	11160		95	.27823	68071	71850	
	+ 15	09420	03435			+ 15	08735	18802	
	-	68	31707			-	68	68941	
86	.27687	86370	14595		96	.27838	76806	90652	
	+ 15	09351	71728			+ 15	08666	49861	
	-	68	35430			-	68	72662	
87	.27702	95721	86323		97	.27853	85473	40513	
	+ 15	09283	36298			+ 15	08597	77199	
	-	68	39155			-	68	76387	
88	.27718	05005	22621		98	.27868	94071	17712	
	+ 15	09214	97143			+ 15	08529	00812	
	-	68	42878			-	68	80107	
89	.27733	14220	19764		99	.27884	02600	18524	
	+ 15	09146	54265			+ 15	08460	20705	
	-	68	46603			-	68	83829	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

18^c	Sine.			18^c	Sine.		
00'	.27899	11060	39229	10'	.28049	91870	21610
	+ 15	08391	36876		+ 15	07700	93908
	-	68	87552		-	69	24760
01	.27914	19451	76105	11	.28064	99571	15518
	+ 15	08322	49324		+ 15	07631	69148
	-	68	91273		-	69	28480
02	.27929	27774	25429	12	.28080	07202	84666
	+ 15	08253	58051		+ 15	07562	40668
	-	68	94995		-	69	32200
03	.27944	36027	83480	13	.28095	14765	25334
	+ 15	08184	63056		+ 15	07493	08468
	-	68	98715		-	69	35920
04	.27959	44212	46536	14	.28110	22258	33802
	+ 15	08115	64341		+ 15	07423	72548
	-	69	02437		-	69	39638
05	.27974	52328	10877	15	.28125	29682	06350
	+ 15	08046	61904		+ 15	07354	32910
	-	69	06159		-	69	43358
06	.27989	60374	72781	16	.28140	37036	39260
	+ 15	07977	55745		+ 15	07284	89552
	-	69	09877		-	69	47077
07	.28004	68352	28526	17	.28155	44321	28812
	+ 15	07908	45868		+ 15	07215	42475
	-	69	13601		-	69	50796
08	.28019	76260	74394	18	.28170	51536	71287
	+ 15	07839	32267		+ 15	07145	91679
	-	69	17318		-	69	54516
09	.28034	84100	06661	19	.28185	58682	62966
	+ 15	07770	14949		+ 15	07076	37163
	-	69	21041		-	69	58232

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

18^c	Sine.			18^c	Sine.		
20'	.28200	65759	00129	30'	.28351	32689	55457
+ 15	07006	78931		+ 15	06308	92114	
-	69	61952		-	69	99126	
21	.28215	72765	79060	31	.28366	38998	47571
+ 15	06937	16979		+ 15	06238	92988	
-	69	65670		-	70	02843	
22	.28230	79702	96039	32	.28381	45237	40559
+ 15	06867	51309		+ 15	06168	90145	
-	69	69389		-	70	06559	
23	.28245	86570	47348	33	.28396	51406	30704
+ 15	06797	81920		+ 15	06098	83586	
-	69	73105		-	70	10275	
24	.28260	93368	29268	34	.28411	57505	14290
+ 15	06728	08815		+ 15	06028	73311	
-	69	76823		-	70	13991	
25	.28276	00096	38083	35	.28426	63533	87601
+ 15	06658	31992		+ 15	05958	59320	
-	69	80542		-	70	17707	
26	.28291	06754	70075	36	.28441	69492	46921
+ 15	06588	51450		+ 15	05888	41613	
-	69	84258		-	70	21422	
27	.28306	13343	21525	37	.28456	75380	88534
+ 15	06518	67192		+ 15	05818	20191	
-	69	87976		-	70	25139	
28	.28321	19861	88717	38	.28471	81199	08725
+ 15	06448	79216		+ 15	05747	95052	
-	69	91692		-	70	28853	
29	.28336	26310	67933	39	.28486	86947	03777
+ 15	06378	87524		+ 15	05677	66199	
-	69	95410		-	70	32568	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

18^c	Sine.			18^c	Sine.		
40'	.28501	92624	69976	50'	.28652	45527	27798
	+ 15	05607	33631		+ 15	04902	03654
	-	70	36284		-	70	73423
41	.28516	98232	03607	51	.28667	50429	31452
	+ 15	05536	97347		+ 15	04831	30231
	-	70	39997		-	70	77137
42	.28532	03769	00954	52	.28682	55260	61683
	+ 15	05466	57350		+ 15	04760	53094
	-	70	43714		-	70	80848
43	.28547	09235	58304	53	.28697	60021	14777
	+ 15	05396	13636		+ 15	04689	72246
	-	70	47426		-	70	84562
44	.28562	14631	71940	54	.28712	64710	87023
	+ 15	05325	66210		+ 15	04618	87684
	-	70	51142		-	70	88275
45	.28577	19957	38150	55	.28727	69329	74707
	+ 15	05255	15068		+ 15	04547	99409
	-	70	54855		-	70	91985
46	.28592	25212	53218	56	.28742	73877	74116
	+ 15	05184	60213		+ 15	04477	07424
	-	70	58570		-	70	95700
47	.28607	30397	13431	57	.28757	78354	81540
	+ 15	05114	01643		+ 15	04406	11724
	-	70	62283		-	70	99410
48	.28622	35511	15074	58	.28772	82760	93264
	+ 15	05043	39360		+ 15	04335	12314
	-	70	65996		-	71	03123
49	.28637	40554	54434	59	.28787	87096	05578
	+ 15	04972	73364		+ 15	04264	09191
	-	70	69710		-	71	06833

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

18^c	Sine.			18^c	Sine.		
60'	.28802	91360	14769	70'	.28953	30086	18479
+ 15	04193	02358		+ 15	03480	29916	
-	71	10547		-	71	47650	
61	.28817	95553	17127	71	.28968	33566	48395
+ 15	04121	91811		+ 15	03408	82266	
-	71	14256		-	71	51360	
62	.28832	99675	08938	72	.28983	36975	30661
+ 15	04050	77555		+ 15	03337	30906	
-	71	17967		-	71	55069	
63	.28848	03725	86493	73	.28998	40312	61567
+ 15	03979	59588		+ 15	03265	75837	
-	71	21680		-	71	58779	
64	.28863	07705	46081	74	.29013	43578	37404
+ 15	03908	37908		+ 15	03194	17058	
-	71	25389		-	71	62486	
65	.28878	11613	83989	75	.29028	46772	54462
+ 15	03837	12519		+ 15	03122	54572	
-	71	29100		-	71	66197	
66	.28893	15450	96508	76	.29043	49895	09034
+ 15	03765	83419		+ 15	03050	88375	
-	71	32811		-	71	69905	
67	.28908	19216	79927	77	.29058	52945	97409
+ 15	03694	50608		+ 15	02979	18470	
-	71	36521		-	71	73613	
68	.28923	22911	30535	78	.29073	55925	15879
+ 15	03623	14087		+ 15	02907	44857	
-	71	40230		-	71	77321	
69	.28938	26534	44622	79	.29088	58832	60736
+ 15	03551	73857		+ 15	02835	67536	
-	71	43941		-	71	81030	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

18^c	Sine.			18^c	Sine.		
80'	.29103	61668	28272	90'	.29253	86069	35254
	+ 15	02763	86506		+ 15	02043	72304
	-	71	84737		-	72	21807
81	.29118	64432	14778	91	.29268	88113	07558
	+ 15	02692	01769		+ 15	01971	50497
	-	71	88446		-	72	25513
82	.29133	67124	16547	92	.29283	90084	58055
	+ 15	02620	13323		+ 15	01899	24984
	-	71	92152		-	72	29218
83	.29148	69744	29870	93	.29298	91983	83039
	+ 15	02548	21171		+ 15	01826	95766
	-	71	95861		-	72	32925
84	.29163	72292	51041	94	.29313	93810	78805
	+ 15	02476	25310		+ 15	01754	62841
	-	71	99567		-	72	36629
85	.29178	74768	76351	95	.29328	95565	41646
	+ 15	02404	25743		+ 15	01682	26212
	-	72	03274		-	72	40336
86	.29193	77173	02094	96	.29343	97247	67858
	+ 15	02332	22469		+ 15	01609	85876
	-	72	06982		-	72	44039
87	.29208	79505	24563	97	.29358	98857	53734
	+ 15	02260	15487		+ 15	01537	41837
	-	72	10688		-	72	47746
88	.29223	81765	40050	98	.29374	00394	95571
	+ 15	02188	04799		+ 15	01464	94091
	-	72	14394		-	72	51449
89	.29238	83953	44849	99	.29389	01859	89662
	+ 15	02115	90405		+ 15	01392	42642
	-	72	18101		-	72	55154

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

19 ^c	Sine.				19 ^c	Sine.			
00'	.29404	03252	32304		10'	.29554	13180	14081	
	+ 15	01319	87488			+ 15	00592	32236	
	-	72	58859			-	72	95893	
01	.29419	04572	19792		11	.29569	13772	46317	
	+ 15	01247	28629			+ 15	00519	36343	
	-	72	62563			-	72	99595	
02	.29434	05819	48421		12	.29584	14291	82660	
	+ 15	01174	66066			+ 15	00446	36748	
	-	72	66266			-	73	03296	
03	.29449	06994	14487		13	.29599	14738	19408	
	+ 15	01101	99800			+ 15	00373	33452	
	-	72	69971			-	73	06999	
04	.29464	08096	14287		14	.29614	15111	52860	
	+ 15	01029	29829			+ 15	00300	26453	
	-	72	73675			-	73	10701	
05	.29479	09125	44116		15	.29629	15411	79313	
	+ 15	00956	56154			+ 15	00227	15752	
	-	72	77376			-	73	14403	
06	.29494	10082	00270		16	.29644	15638	95065	
	+ 15	00883	78778			+ 15	00154	01349	
	-	72	81082			-	73	18103	
07	.29509	10965	79048		17	.29659	15792	96414	
	+ 15	00810	97696			+ 15	00080	83246	
	-	72	84784			-	73	21805	
08	.29524	11776	76744		18	.29674	15873	79660	
	+ 15	00738	12912			+ 15	00007	61441	
	-	72	88487			-	73	25507	
09	.29539	12514	89656		19	.29689	15881	41101	
	+ 15	00665	24425			+ 14	99934	35934	
	-	72	92189			-	73	29207	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

19 ^c	Sine.				19 ^c	Sine.			
20'	.29704	15815	77035		30'	.29854	11122	19414	
	+	14	99861	06727		+	14	99126	11143
	-		73	32908		-		73	69906
21	.29719	15676	83762		31	.29869	10248	30557	
	+	14	99787	73819		+	14	99052	41237
	-		73	36609		-		73	73604
22	.29734	15464	57581		32	.29884	09300	71794	
	+	14	99714	37210		+	14	98978	67633
	-		73	40308		-		73	77303
23	.29749	15178	94791		33	.29899	08279	39427	
	+	14	99640	96902		+	14	98904	90330
	-		73	44010		-		73	81002
24	.29764	14819	91693		34	.29914	07184	29757	
	+	14	99567	52892		+	14	98831	09328
	-		73	47709		-		73	84699
25	.29779	14387	44585		35	.29929	06015	39085	
	+	14	99494	05183		+	14	98757	24629
	-		73	51409		-		73	88397
26	.29794	13881	49768		36	.29944	04772	63714	
	+	14	99420	53774		+	14	98683	36232
	-		73	55108		-		73	92097
27	.29809	13302	03542		37	.29959	03455	99946	
	+	14	99346	98666		+	14	98609	44135
	-		73	58809		-		73	95792
28	.29824	12649	02208		38	.29974	02065	44081	
	+	14	99273	39857		+	14	98535	48343
	-		73	62508		-		73	99491
29	.29839	11922	42065		39	.29989	00600	92424	
	+	14	99199	77349		+	14	98461	48852
	-		73	66206		-		74	03188

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

19^c	Sine.				19^c	Sine.			
40'	.30003	99062	41276		50'	.30153	79599	44496	
	+	14	98387	45664		+	14	97645	10473
	-		74	06885		-		74	43846
41	.30018	97449	86940		51	.30168	77244	54969	
	+	14	98313	38779		+	14	97570	66627
	-		74	10581		-		74	47541
42	.30033	95763	25719		52	.30183	74815	21596	
	+	14	98239	28198		+	14	97496	19086
	-		74	14280		-		74	51237
43	.30048	94002	53917		53	.30198	72311	40682	
	+	14	98165	13918		+	14	97421	67849
	-		74	17975		-		74	54930
44	.30063	92167	67835		54	.30213	69733	08531	
	+	14	98090	95943		+	14	97347	12919
	-		74	21672		-		74	58627
45	.30078	90258	63778		55	.30228	67080	21450	
	+	14	98016	74271		+	14	97272	54292
	-		74	25367		-		74	62319
46	.30093	88275	38049		56	.30243	64352	75742	
	+	14	97942	48904		+	14	97197	91973
	-		74	29065		-		74	66014
47	.30108	86217	86953		57	.30258	61550	67715	
	+	14	97868	19839		+	14	97123	25959
	-		74	32759		-		74	69708
48	.30123	84086	06792		58	.30273	58673	93674	
	+	14	97793	87080		+	14	97048	56251
	-		74	36456		-		74	73402
49	.30138	81879	93872		59	.30288	55722	49925	
	+	14	97719	50624		+	14	96973	82849
	-		74	40151		-		74	77096

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

19^c	Sine.				19^c	Sine.			
60'	.30303	52696	32774		70'	.30453	18316	11648	
	+	14	96899	05753		+	14	96149	31689
	-		74	80788		-		75	17714
61	.30318	49595	38527		71	.30468	14465	43337	
	+	14	96824	24965		+	14	96074	13975
	-		74	84483		-		75	21405
62	.30333	46419	63492		72	.30483	10539	57312	
	+	14	96749	40482		+	14	95998	92570
	-		74	88176		-		75	25096
63	.30348	43169	03974		73	.30498	06538	49882	
	+	14	96674	52306		+	14	95923	67474
	-		74	91867		-		75	28786
64	.30363	39843	56280		74	.30513	02462	17356	
	+	14	96599	60439		+	14	95848	38688
	-		74	95562		-		75	32479
65	.30378	36443	16719		75	.30527	98310	56044	
	+	14	96524	64877		+	14	95773	06209
	-		74	99253		-		75	36168
66	.30393	32967	81596		76	.30542	94083	62253	
	+	14	96449	65624		+	14	95697	70041
	-		75	02946		-		75	39860
67	.30408	29417	47220		77	.30557	89781	32294	
	+	14	96374	62678		+	14	95622	30181
	-		75	06638		-		75	43548
68	.30423	25792	09898		78	.30572	85403	62475	
	+	14	96299	56040		+	14	95546	86633
	-		75	10330		-		75	47240
69	.30438	22091	65938		79	.30587	80950	49108	
	+	14	96224	45710		+	14	95471	39393
	-		75	14021		-		75	50930

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

19^c	Sine.				19^c	Sine.			
80'	.30602	76421	88501		90'	.30752	26976	72567	
	+	14	95395	88463		+	14	94638	76265
	-		75	54618		-		75	91507
81	.30617	71817	76964		91	.30767	21615	48832	
	+	14	95320	33845		+	14	94562	84758
	-		75	58310		-		75	95193
82	.30632	67138	10809		92	.30782	16178	33590	
	+	14	95244	75535		+	14	94486	89565
	-		75	61997		-		75	98883
83	.30647	62382	86344		93	.30797	10665	23155	
	+	14	95169	13538		+	14	94410	90682
	-		75	65688		-		76	02568
84	.30662	57551	99882		94	.30812	05076	13837	
	+	14	95093	47850		+	14	94334	88114
	-		75	69376		-		76	06255
85	.30677	52645	47732		95	.30826	99411	01951	
	+	14	95017	78474		+	14	94258	81859
	-		75	73064		-		76	09944
86	.30692	47663	26206		96	.30841	93669	83810	
	+	14	94942	05410		+	14	94182	71915
	-		75	76755		-		76	13629
87	.30707	42605	31616		97	.30856	87852	55725	
	+	14	94866	28655		+	14	94106	58286
	-		75	80442		-		76	17317
88	.30722	37471	60271		98	.30871	81959	14011	
	+	14	94790	48213		+	14	94030	40969
	-		75	84130		-		76	21002
89	.30737	32262	08484		99	.30886	75989	54980	
	+	14	94714	64083		+	14	93954	19967
	-		75	87818		-		76	24688

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

20^c	Sine.			20^c	Sine.				
00'	.30901	69943	74947	10'	.31051	05286	08612		
	+	14	93877	95279		+	14	93113	45693
	-		76	28376		-		76	65225
01	.30916	63821	70226	11	.31065	98399	54305		
	+	14	93801	66903		+	14	93036	80468
	-		76	32059		-		76	68908
02	.30931	57623	37129	12	.31080	91436	34773		
	+	14	93725	34844		+	14	92960	11560
	-		76	35747		-		76	72591
03	.30946	51348	71973	13	.31095	84396	46333		
	+	14	93648	99097		+	14	92883	38969
	-		76	39432		-		76	76277
04	.30961	44997	71070	14	.31110	77279	85302		
	+	14	93572	59665		+	14	92806	62692
	-		76	43116		-		76	79958
05	.30976	38570	30735	15	.31125	70086	47994		
	+	14	93496	16549		+	14	92729	82734
	-		76	46802		-		76	83642
06	.30991	32066	47284	16	.31140	62816	30728		
	+	14	93419	69747		+	14	92652	99092
	-		76	50487		-		76	87325
07	.31006	25486	17031	17	.31155	55469	29820		
	+	14	93343	19260		+	14	92576	11767
	-		76	54171		-		76	91008
08	.31021	18829	36291	18	.31170	48045	41587		
	+	14	93266	65089		+	14	92499	20759
	-		76	57857		-		76	94690
09	.31036	12096	01380	19	.31185	40544	62346		
	+	14	93190	07232		+	14	92422	26069
	-		76	61539		-		76	98373

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

20^c	Sine.			20^c	Sine.		
20'	.31200	32966	88415	30'	.31349	52949	31098
+ 14	92345	27696		+ 14	91573	41478	
-	77	02055		-	77	38867	
21	.31215	25312	16111	31	.31364	44522	72576
+ 14	92268	25641		+ 14	91496	02611	
-	77	05737		-	77	42546	
22	.31230	17580	41752	32	.31379	36018	75187
+ 14	92191	19904		+ 14	91418	60065	
-	77	09419		-	77	46227	
23	.31245	09771	61656	33	.31394	27437	35252
+ 14	92114	10485		+ 14	91341	13838	
-	77	13100		-	77	49907	
24	.31260	01885	72141	34	.31409	18778	49090
+ 14	92036	97385		+ 14	91263	63931	
-	77	16782		-	77	53585	
25	.31274	93922	69526	35	.31424	10042	13021
+ 14	91959	80603		+ 14	91186	10346	
-	77	20464		-	77	57266	
26	.31289	85882	50129	36	.31439	01228	23367
+ 14	91882	60139		+ 14	91108	53080	
-	77	24143		-	77	60944	
27	.31304	77765	10268	37	.31453	92336	76447
+ 14	91805	35996		+ 14	91030	92136	
-	77	27826		-	77	64624	
28	.31319	69570	46264	38	.31468	83367	68583
+ 14	91728	08170		+ 14	90953	27512	
-	77	31506		-	77	68302	
29	.31334	61298	54434	39	.31483	74320	96095
+ 14	91650	76664		+ 14	90875	59210	
-	77	35186		-	77	71981	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

20^c	Sine.			20^c	Sine.		
40'	.31498	65196	55305	50'	.31647	69671	81586
	+	14	90797	87229		+	14
	-		77	75659		-	78
41	.31513	55994	42534	51	.31662	59690	46727
	+	14	90720	11570		+	14
	-		77	79338		-	78
42	.31528	46714	54104	52	.31677	49630	99435
	+	14	90642	32232		+	14
	-		77	83015		-	78
43	.31543	37356	86336	53	.31692	39493	36034
	+	14	90564	49217		+	14
	-		77	86693		-	78
44	.31558	27921	35553	54	.31707	29277	52848
	+	14	90486	62524		+	14
	-		77	90371		-	78
45	.31573	18407	98077	55	.31722	18983	46201
	+	14	90408	72153		+	14
	-		77	94049		-	78
46	.31588	08816	70230	56	.31737	08611	12418
	+	14	90330	78104		+	14
	-		77	97725		-	78
47	.31602	99147	48334	57	.31751	98160	47822
	+	14	90252	80379		+	14
	-		78	01403		-	78
48	.31617	89400	28713	58	.31766	87631	48739
	+	14	90174	78976		+	14
	-		78	05079		-	78
49	.31632	79575	07689	59	.31781	77024	11494
	+	14	90096	73897		+	14
	-		78	08756		-	78

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

20^c	Sine.			20^c	Sine.		
60'	.31796	66338	32411	70'	.31945	55159	32175
+ 14	89235	75405		+ 14	88449	18215	
-	78	49187		-	78	85922	
61	.31811	55574	07816	71	.31960	43608	50390
+ 14	89157	26218		+ 14	88370	32293	
-	78	52861		-	78	89593	
62	.31826	44731	34034	72	.31975	31978	82683
+ 14	89078	73357		+ 14	88291	42700	
-	78	56535		-	78	93267	
63	.31841	33810	07391	73	.31990	20270	25383
+ 14	89000	16822		+ 14	88212	49433	
-	78	60210		-	78	96937	
64	.31856	22810	24213	74	.32005	08482	74816
+ 14	88921	56612		+ 14	88133	52496	
-	78	63882		-	79	00611	
65	.31871	11731	80825	75	.32019	96616	27312
+ 14	88842	92730		+ 14	88054	51885	
-	78	67557		-	79	04281	
66	.31886	00574	73555	76	.32034	84670	79197
+ 14	88764	25173		+ 14	87975	47604	
-	78	71230		-	79	07953	
67	.31900	89338	98728	77	.32049	72646	26801
+ 14	88685	53943		+ 14	87896	39651	
-	78	74903		-	79	11625	
68	.31915	78024	52671	78	.32064	60542	66452
+ 14	88606	79040		+ 14	87817	28026	
-	78	78576		-	79	15295	
69	.31930	66631	31711	79	.32079	48359	94478
+ 14	88528	00464		+ 14	87738	12731	
-	78	82249		-	79	18965	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

20^c	Sine.			20^c	Sine.				
80'	.32094	36098	07209	90'	.32243	09117	85791		
	+	14	87658	93766		+	14	86865	02250
	-		79	22638		-		79	59332
81	.32109	23757	00975	91	.32257	95982	88041		
	+	14	87579	71128		+	14	86785	42918
	-		79	26307		-		79	63002
82	.32124	11336	72103	92	.32272	82768	30959		
	+	14	87500	44821		+	14	86705	79916
	-		79	29978		-		79	66669
83	.32138	98837	16924	93	.32287	69474	10875		
	+	14	87421	14843		+	14	86626	13247
	-		79	33647		-		79	70337
84	.32153	86258	31767	94	.32302	56100	24122		
	+	14	87341	81196		+	14	86546	42910
	-		79	37317		-		79	74006
85	.32168	73600	12963	95	.32317	42646	67032		
	+	14	87262	43879		+	14	86466	68904
	-		79	40988		-		79	77672
86	.32183	60862	56842	96	.32332	29113	35936		
	+	14	87183	02891		+	14	86386	91232
	-		79	44656		-		79	81341
87	.32198	48045	59733	97	.32347	15500	27168		
	+	14	87103	58235		+	14	86307	09891
	-		79	48326		-		79	85008
88	.32213	35149	17968	98	.32362	01807	37059		
	+	14	87024	09909		+	14	86227	24883
	-		79	51995		-		79	88676
89	.32228	22173	27877	99	.32376	88034	61942		
	+	14	86944	57914		+	14	86147	36207
	-		79	55664		-		79	92341

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

21^c	Sine.			21^c	Sine.		
00'	.32391	74181	98149	10'	.32540	31253	76478
	+ 14	86067	43866		+ 14	85266	18810
	-	79	96008		-	80	32666
01	.32406	60249	42015	11	.32555	16519	95288
	+ 14	85987	47858		+ 14	85185	86144
	-	79	99676		-	80	36329
02	.32421	46236	89873	12	.32570	01705	81432
	+ 14	85907	48182		+ 14	85105	49815
	-	80	03341		-	80	39994
03	.32436	32144	38055	13	.32584	86811	31247
	+ 14	85827	44841		+ 14	85025	09821
	-	80	07008		-	80	43658
04	.32451	17971	82896	14	.32599	71836	41068
	+ 14	85747	37833		+ 14	84944	66163
	-	80	10674		-	80	47322
05	.32466	03719	20729	15	.32614	56781	07231
	+ 14	85667	27159		+ 14	84864	18841
	-	80	14339		-	80	50986
06	.32480	89386	47888	16	.32629	41645	26072
	+ 14	85587	12820		+ 14	84783	67855
	-	80	18005		-	80	54650
07	.32495	74973	60708	17	.32644	26428	93927
	+ 14	85506	94815		+ 14	84703	13205
	-	80	21670		-	80	58312
08	.32510	60480	55523	18	.32659	11132	07132
	+ 14	85426	73145		+ 14	84622	54893
	-	80	25335		-	80	61976
09	.32525	45907	28668	19	.32673	95754	62025
	+ 14	85346	47810		+ 14	84541	92917
	-	80	29000		-	80	65638

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

21^c	Sine.			21^c	Sine.				
20'	.32688	80296	54942	30'	.32837	21273	69689		
	+	14	84461	27279		+	14	83652	69471
	-		80	69303		-		81	05919
21	.32703	64757	82221	31	.32852	04926	39160		
	+	14	84380	57976		+	14	83571	63552
	-		80	72963		-		81	09577
22	.32718	49138	40197	32	.32866	88498	02712		
	+	14	84299	85013		+	14	83490	53975
	-		80	76627		-		81	13241
23	.32733	33438	25210	33	.32881	71988	56687		
	+	14	84219	08386		+	14	83409	40734
	-		80	80288		-		81	16898
24	.32748	17657	33596	34	.32896	55397	97421		
	+	14	84138	28098		+	14	83328	23836
	-		80	83952		-		81	20560
25	.32763	01795	61694	35	.32911	38726	21257		
	+	14	84057	44146		+	14	83247	03276
	-		80	87611		-		81	24219
26	.32777	85853	05840	36	.32926	21973	24533		
	+	14	83976	56535		+	14	83165	79057
	-		80	91275		-		81	27878
27	.32792	69829	62375	37	.32941	05139	03590		
	+	14	83895	65260		+	14	83084	51179
	-		80	94935		-		81	31539
28	.32807	53725	27635	38	.32955	88223	54769		
	+	14	83814	70325		+	14	83003	19640
	-		80	98596		-		81	35196
29	.32822	37539	97960	39	.32970	71226	74409		
	+	14	83733	71729		+	14	82921	84444
	-		81	02258		-		81	38857

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

21^c	Sine.			21^c	Sine.		
40'	.32985	54148	58853	50'	.33133	78884	62571
	+	14	82840	45587		+	14
	-		81	42514		-	81
41	.33000	36989	04440	51	.33148	60909	18398
	+	14	82759	03073		+	14
	-		81	46174		-	81
42	.33015	19748	07513	52	.33163	42851	95134
	+	14	82677	56899		+	14
	-		81	49832		-	81
43	.33030	02425	64412	53	.33178	24712	89122
	+	14	82596	07067		+	14
	-		81	53490		-	81
44	.33044	85021	71479	54	.33193	06491	96706
	+	14	82514	53577		+	14
	-		81	57148		-	81
45	.33059	67536	25056	55	.33207	88189	14229
	+	14	82432	96429		+	14
	-		81	60805		-	81
46	.33074	49969	21485	56	.33222	69804	38036
	+	14	82351	35624		+	14
	-		81	64464		-	82
47	.33089	32320	57109	57	.33237	51337	64470
	+	14	82269	71160		+	14
	-		81	68120		-	82
48	.33104	14590	28269	58	.33252	32788	89877
	+	14	82188	03040		+	14
	-		81	71778		-	82
49	.33118	96778	31309	59	.33267	14158	10601
	+	14	82106	31262		+	14
	-		81	75435		-	82

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

21^c	Sine.			21^c	Sine.		
60'	.33281	95445	22987	70'	.33430	03793	84261
+ 14	81205	00392		+ 14	80381	79485	
-	82	15647		-	82	52184	
61	.33296	76650	23379	71	.33444	84175	63746
+ 14	81122	84745		+ 14	80299	27301	
-	82	19303		-	82	55836	
62	.33311	57773	08124	72	.33459	64474	91047
+ 14	81040	65442		+ 14	80216	71465	
-	82	22956		-	82	59489	
63	.33326	38813	73566	73	.33474	44691	62512
+ 14	80958	42486		+ 14	80134	11976	
-	82	26611		-	82	63140	
64	.33341	19772	16052	74	.33489	24825	74488
+ 14	80876	15875		+ 14	80051	48836	
-	82	30264		-	82	66793	
65	.33356	00648	31927	75	.33504	04877	23324
+ 14	80793	85611		+ 14	79968	82043	
-	82	33919		-	82	70445	
66	.33370	81442	17538	76	.33518	84846	05367
+ 14	80711	51692		+ 14	79886	11598	
-	82	37572		-	82	74095	
67	.33385	62153	69230	77	.33533	64732	16965
+ 14	80629	14120		+ 14	79803	37503	
-	82	41226		-	82	77748	
68	.33400	42782	83350	78	.33548	44535	54468
+ 14	80546	72894		+ 14	79720	59755	
-	82	44877		-	82	81397	
69	.33415	23329	56244	79	.33563	24256	14223
+ 14	80464	28017		+ 14	79637	78358	
-	82	48532		-	82	85050	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

21^c	Sine.			21^c	Sine.		
80'	.33578	03893	92581	90'	.33725	95708	96169
+ 14	79554	93308		+ 14	78724	42066	
-	82	88699		-	83	25195	
81	.33592	83448	85889	91	.33740	74433	38235
+ 14	79472	04609		+ 14	78641	16871	
-	82	92351		-	83	28843	
82	.33607	62920	90498	92	.33755	53074	55106
+ 14	79389	12258		+ 14	78557	88028	
-	82	95999		-	83	32492	
83	.33622	42310	02756	93	.33770	31632	43134
+ 14	79306	16259		+ 14	78474	55536	
-	82	99652		-	83	36140	
84	.33637	21616	19015	94	.33785	10106	98670
+ 14	79223	16607		+ 14	78391	19396	
-	83	03299		-	83	39786	
85	.33652	00839	35622	95	.33799	88498	18066
+ 14	79140	13308		+ 14	78307	79610	
-	83	06950		-	83	43436	
86	.33666	79979	48930	96	.33814	66805	97676
+ 14	79057	06358		+ 14	78224	36174	
-	83	10600		-	83	47082	
87	.33681	59036	55288	97	.33829	45030	33850
+ 14	78973	95758		+ 14	78140	89092	
-	83	14248		-	83	50729	
88	.33696	38010	51046	98	.33844	23171	22942
+ 14	78890	81510		+ 14	78057	38363	
-	83	17897		-	83	54377	
89	.33711	16901	32556	99	.33859	01228	61305
+ 14	78807	63613		+ 14	77973	83986	
-	83	21547		-	83	58022	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

22^c	Sine.			22^c	Sine.				
00'	.33873	79202	45291	10'	.34021	54337	92269		
	+	14	77890	25964		+	14	77052	45205
	-		83	61671		-		83	98123
01	.33888	57092	71255	11	.34036	31390	37474		
	+	14	77806	64293		+	14	76968	47082
	-		83	65316		-		84	01768
02	.33903	34899	35548	12	.34051	08358	84556		
	+	14	77722	98977		+	14	76884	45314
	-		83	68961		-		84	05413
03	.33918	12622	34525	13	.34065	85243	29870		
	+	14	77639	30016		+	14	76800	39901
	-		83	72609		-		84	09055
04	.33932	90261	64541	14	.34080	62043	69771		
	+	14	77555	57407		+	14	76716	30846
	-		83	76254		-		84	12700
05	.33947	67817	21948	15	.34095	38760	00617		
	+	14	77471	81153		+	14	76632	18146
	-		83	79899		-		84	16344
06	.33962	45289	03101	16	.34110	15392	18763		
	+	14	77388	01254		+	14	76548	01802
	-		83	83545		-		84	19985
07	.33977	22677	04355	17	.34124	91940	20565		
	+	14	77304	17709		+	14	76463	81817
	-		83	87189		-		84	23630
08	.33991	99981	22064	18	.34139	68404	02382		
	+	14	77220	30520		+	14	76379	58187
	-		83	90835		-		84	27273
09	.34006	77201	52584	19	.34154	44783	60569		
	+	14	77136	39685		+	14	76295	30914
	-		83	94480		-		84	30914

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

22^c	Sine.			22^c	Sine.				
20'	.34169	21078	91483	30'	.34316	79388	99388		
	+	14	76211	00000		+	14	75365	90554
	-		84	34557		-		84	70970
21	.34183	97289	91483	31	.34331	54754	89942		
	+	14	76126	65443		+	14	75281	19584
	-		84	38200		-		84	74610
22	.34198	73416	56926	32	.34346	30036	09526		
	+	14	76042	27243		+	14	75196	44974
	-		84	41841		-		84	78249
23	.34213	49458	84169	33	.34361	05232	54500		
	+	14	75957	85402		+	14	75111	66725
	-		84	45483		-		84	81890
24	.34228	25416	69571	34	.34375	80344	21225		
	+	14	75873	39919		+	14	75026	84835
	-		84	49125		-		84	85529
25	.34243	01290	09490	35	.34390	55371	06060		
	+	14	75788	90794		+	14	74941	99306
	-		84	52766		-		84	89169
26	.34257	77079	00284	36	.34405	30313	05366		
	+	14	75704	38028		+	14	74857	10137
	-		84	56408		-		84	92806
27	.34272	52783	38312	37	.34420	05170	15503		
	+	14	75619	81620		+	14	74772	17331
	-		84	60047		-		84	96447
28	.34287	28403	19932	38	.34434	79942	32834		
	+	14	75535	21573		+	14	74687	20884
	-		84	63690		-		85	00085
29	.34302	03938	41505	39	.34449	54629	53718		
	+	14	75450	57883		+	14	74602	20799
	-		84	67329		-		85	03723

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

22^c	Sine.				22^c	Sine.			
40'	.34464	29231	74517		50'	.34611	70570	77493	
	+ 14	74517	17076			+ 14	73664	79776	
	-	85	07361			-	85	43733	
41	.34479	03748	91593		51	.34626	44235	57269	
	+ 14	74432	09715			+ 14	73579	36043	
	-	85	11000			-	85	47367	
42	.34493	78181	01308		52	.34641	17814	93312	
	+ 14	74346	98715			+ 14	73493	88676	
	-	85	14638			-	85	51005	
43	.34508	52528	00023		53	.34655	91308	81988	
	+ 14	74261	84077			+ 14	73408	37671	
	-	85	18274			-	85	54638	
44	.34523	26789	84100		54	.34670	64717	19659	
	+ 14	74176	65803			+ 14	73322	83033	
	-	85	21912			-	85	58275	
45	.34538	00966	49903		55	.34685	38040	02692	
	+ 14	74091	43891			+ 14	73237	24758	
	-	85	25550			-	85	61910	
46	.34552	75057	93794		56	.34700	11277	27450	
	+ 14	74006	18341			+ 14	73151	62848	
	-	85	29186			-	85	65545	
47	.34567	49064	12135		57	.34714	84428	90298	
	+ 14	73920	89155			+ 14	73065	97303	
	-	85	32824			-	85	69178	
48	.34582	22985	01290		58	.34729	57494	87601	
	+ 14	73835	56331			+ 14	72980	28125	
	-	85	36459			-	85	72814	
49	.34596	96820	57621		59	.34744	30475	15726	
	+ 14	73750	19872			+ 14	72894	55311	
	-	85	40096			-	85	76448	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

22^c	Sine.			22^c	Sine.		
60'	.34759	03369	71037	70'	.34906	27592	19978
+ 14	72808	78863		+ 14	71949	14549	
-	85	80081		-	86	16409	
61	.34773	76178	49900	71	.34920	99541	34527
+ 14	72722	98782		+ 14	71862	98140	
-	85	83716		-	86	20042	
62	.34788	48901	48682	72	.34935	71404	32667
+ 14	72637	15066		+ 14	71776	78098	
-	85	87350		-	86	23674	
63	.34803	21538	63748	73	.34950	43181	10765
+ 14	72551	27716		+ 14	71690	54424	
-	85	90982		-	86	27304	
64	.34817	94089	91464	74	.34965	14871	65189
+ 14	72465	36734		+ 14	71604	27120	
-	85	94615		-	86	30936	
65	.34832	66555	28198	75	.34979	86475	92309
+ 14	72379	42119		+ 14	71517	96184	
-	85	98249		-	86	34567	
66	.34847	38934	70317	76	.34994	57993	88493
+ 14	72293	43870		+ 14	71431	61617	
-	86	01882		-	86	38196	
67	.34862	11228	14187	77	.35009	29425	50110
+ 14	72207	41988		+ 14	71345	23421	
-	86	05514		-	86	41828	
68	.34876	83435	56175	78	.35024	00770	73531
+ 14	72121	36474		+ 14	71258	81593	
-	86	09145		-	86	45458	
69	.34891	55556	92649	79	.35038	72029	55124
+ 14	72035	27329		+ 14	71172	36135	
-	86	12780		-	86	49087	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

22^c	Sine.				22^c	Sine.			
80'	.35053	43201	91259		90'	.35200	50162	53951	
	+	14	71085	87048		+	14	70218	96570
	-		86	52718		-		86	89004
81	.35068	14287	78307		91	.35215	20381	50521	
	+	14	70999	34330		+	14	70132	07566
	-		86	56347		-		86	92630
82	.35082	85287	12637		92	.35229	90513	58087	
	+	14	70912	77983		+	14	70045	14936
	-		86	59976		-		86	96259
83	.35097	56199	90620		93	.35244	60558	73023	
	+	14	70826	18007		+	14	69958	18677
	-		86	63605		-		86	99884
84	.35112	27026	08627		94	.35259	30516	91700	
	+	14	70739	54402		+	14	69871	18793
	-		86	67235		-		87	03511
85	.35126	97765	63029		95	.35274	00388	10493	
	+	14	70652	87167		+	14	69784	15282
	-		86	70863		-		87	07139
86	.35141	68418	50196		96	.35288	70172	25775	
	+	14	70566	16304		+	14	69697	08143
	-		86	74491		-		87	10764
87	.35156	38984	66500		97	.35303	39869	33918	
	+	14	70479	41813		+	14	69609	97379
	-		86	78120		-		87	14391
88	.35171	09464	08313		98	.35318	09479	31297	
	+	14	70392	63693		+	14	69522	82988
	-		86	81748		-		87	18016
89	.35185	79856	72006		99	.35332	79002	14285	
	+	14	70305	81945		+	14	69435	64972
	-		86	85375		-		87	21642

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

23^c	Sine.			23^c	Sine.		
00'	.35347	48437	79257	10'	.35494	37991	40524
	+	14	69348	43330		+	14
	-		87	25268		-	87
01	.35362	17786	22587	11	.35509	06465	68067
	+	14	69261	18062		+	14
	-		87	28893		-	87
02	.35376	87047	40649	12	.35523	74852	34099
	+	14	69173	89169		+	14
	-		87	32518		-	87
03	.35391	56221	29818	13	.35538	43151	34997
	+	14	69086	56651		+	14
	-		87	36143		-	87
04	.35406	25307	86469	14	.35553	11362	67139
	+	14	68999	20508		+	14
	-		87	39767		-	87
05	.35420	94307	06977	15	.35567	79486	26902
	+	14	68911	80741		+	14
	-		87	43391		-	87
06	.35435	63218	87718	16	.35582	47522	10663
	+	14	68824	37350		+	14
	-		87	47017		-	87
07	.35450	32043	25068	17	.35597	15470	14801
	+	14	68736	90333		+	14
	-		87	50640		-	87
08	.35465	00780	15401	18	.35611	83330	35692
	+	14	68649	39693		+	14
	-		87	54263		-	87
09	.35479	69429	55094	19	.35626	51102	69716
	+	14	68561	85430		+	14
	-		87	57887		-	87

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

23^c	Sine.				23^c	Sine.			
20'	.35641	18787	13251		30'	.35787	90788	75096	
	+	14	67596	49424		+	14	66715	09191
	-		87	97732		-		88	33931
21	.35655	86383	62675		31	.35802	57503	84287	
	+	14	67508	51692		+	14	66626	75260
	-		88	01352		-		88	37551
22	.35670	53892	14367		32	.35817	24130	59547	
	+	14	67420	50340		+	14	66538	37709
	-		88	04974		-		88	41168
23	.35685	21312	64707		33	.35831	90668	97256	
	+	14	67332	45366		+	14	66449	96541
	-		88	08594		-		88	44787
24	.35699	88645	10073		34	.35846	57118	93797	
	+	14	67244	36772		+	14	66361	51754
	-		88	12214		-		88	48405
25	.35714	55889	46845		35	.35861	23480	45551	
	+	14	67156	24558		+	14	66273	03349
	-		88	15834		-		88	52023
26	.35729	23045	71403		36	.35875	89753	48900	
	+	14	67068	08724		+	14	66184	51326
	-		88	19454		-		88	55641
27	.35743	90113	80127		37	.35890	55938	00226	
	+	14	66979	89270		+	14	66095	95685
	-		88	23074		-		88	59258
28	.35758	57093	69397		38	.35905	22033	95911	
	+	14	66891	66196		+	14	66007	36427
	-		88	26693		-		88	62874
29	.35773	23985	35593		39	.35919	88041	32338	
	+	14	66803	39503		+	14	65918	73553
	-		88	30312		-		88	66493

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

23^c	Sine.			23^c	Sine.				
40'	.35934	53960	05891	50'	.36081	08264	87642		
	+	14	65830	07060		+	14	64941	43250
	-		88	70109		-		89	06265
41	.35949	19790	12951	51	.36095	73206	30892		
	+	14	65741	36951		+	14	64852	36985
	-		88	73726		-		89	09878
42	.35963	85531	49902	52	.36110	38058	67877		
	+	14	65652	63225		+	14	64763	27107
	-		88	77342		-		89	13495
43	.35978	51184	13127	53	.36125	02821	94984		
	+	14	65563	85883		+	14	64674	13612
	-		88	80957		-		89	17106
44	.35993	16747	99010	54	.36139	67496	08596		
	+	14	65475	04926		+	14	64584	96506
	-		88	84575		-		89	20722
45	.36007	82223	03936	55	.36154	32081	05102		
	+	14	65386	20351		+	14	64495	75784
	-		88	88189		-		89	24334
46	.36022	47609	24287	56	.36168	96576	80886		
	+	14	65297	32162		+	14	64406	51450
	-		88	91806		-		89	27948
47	.36037	12906	56449	57	.36183	60983	32336		
	+	14	65208	40356		+	14	64317	23502
	-		88	95420		-		89	31562
48	.36051	78114	96805	58	.36198	25300	55838		
	+	14	65119	44936		+	14	64227	91940
	-		88	99035		-		89	35172
49	.36066	43234	41741	59	.36212	89528	47778		
	+	14	65030	45901		+	14	64138	56768
	-		89	02651		-		89	38787

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

23^c	Sine.			23^c	Sine.		
60'	.36227	53667	04546	70'	.36373	90130	42995
+ 14	64049	17981		+ 14	63153	31472	
-	89	42399		-	89	78511	
61	.36242	17716	22527	71	.36388	53283	74467
+ 14	63959	75582		+ 14	63063	52961	
-	89	46011		-	89	82120	
62	.36256	81675	98109	72	.36403	16347	27428
+ 14	63870	29571		+ 14	62973	70841	
-	89	49623		-	89	85731	
63	.36271	45546	27680	73	.36417	79320	98269
+ 14	63780	79948		+ 14	62883	85110	
-	89	53234		-	89	89339	
64	.36286	09327	07628	74	.36432	42204	83379
+ 14	63691	26714		+ 14	62793	95771	
-	89	56847		-	89	92950	
65	.36300	73018	34342	75	.36447	04998	79150
+ 14	63601	69867		+ 14	62704	02821	
-	89	60457		-	89	96558	
66	.36315	36620	04209	76	.36461	67702	81971
+ 14	63512	09410		+ 14	62614	06263	
-	89	64068		-	90	00166	
67	.36330	00132	13619	77	.36476	30316	88234
+ 14	63422	45342		+ 14	62524	06097	
-	89	67680		-	90	03777	
68	.36344	63554	58961	78	.36490	92840	94331
+ 14	63332	77662		+ 14	62434	02320	
-	89	71290		-	90	07383	
69	.36359	26887	36623	79	.36505	55274	96651
+ 14	63243	06372		+ 14	62343	94937	
-	89	74900		-	90	10993	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

23^c	Sine.				23^c	Sine.			
80'	.36520	17618	91588		90'	.36666	36096	41137	
	+	14	62253	83944		+	14	61350	75620
	-		90	14600		-		90	50668
81	.36534	79872	75532		91	.36680	97447	16757	
	+	14	62163	69344		+	14	61260	24952
	-		90	18208		-		90	54272
82	.36549	42036	44876		92	.36695	58707	41709	
	+	14	62073	51136		+	14	61169	70680
	-		90	21815		-		90	57880
83	.36564	04109	96012		93	.36710	19877	12389	
	+	14	61983	29321		+	14	61079	12800
	-		90	25424		-		90	61482
84	.36578	66093	25333		94	.36724	80956	25189	
	+	14	61893	03897		+	14	60988	51318
	-		90	29029		-		90	65090
85	.36593	27986	29230		95	.36739	41944	76507	
	+	14	61802	74868		+	14	60897	86228
	-		90	32637		-		90	68692
86	.36607	89789	04098		96	.36754	02842	62735	
	+	14	61712	42231		+	14	60807	17536
	-		90	36243		-		90	72297
87	.36622	51501	46329		97	.36768	63649	80271	
	+	14	61622	05988		+	14	60716	45239
	-		90	39850		-		90	75902
88	.36637	13123	52317		98	.36783	24366	25510	
	+	14	61531	66138		+	14	60625	69337
	-		90	43456		-		90	79506
89	.36651	74655	18455		99	.36797	84991	94847	
	+	14	61441	22682		+	14	60534	89831
	-		90	47062		-		90	83109

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

24^c	Sine.			24^c	Sine.		
00'	.36812	45526	84678	10'	.36958	45874	17480
	+ 14	60444	06722		+ 14	59533	77474
	-	90	86713		-	91	22736
01	.36827	05970	91400	11	.36973	05407	94954
	+ 14	60353	20009		+ 14	59442	54738
	-	90	90315		-	91	26335
02	.36841	66324	11409	12	.36987	64850	49692
	+ 14	60262	29694		+ 14	59351	28403
	-	90	93920		-	91	29938
03	.36856	26586	41103	13	.37002	24201	78095
	+ 14	60171	35774		+ 14	59259	98465
	-	90	97522		-	91	33538
04	.36870	86757	76877	14	.37016	83461	76560
	+ 14	60080	38252		+ 14	59168	64927
	-	91	01124		-	91	37138
05	.36885	46838	15129	15	.37031	42630	41487
	+ 14	59989	37128		+ 14	59077	27789
	-	91	04727		-	91	40738
06	.36900	06827	52257	16	.37046	01707	69276
	+ 14	59898	32401		+ 14	58985	87051
	-	91	08329		-	91	44339
07	.36914	66725	84658	17	.37060	60693	56327
	+ 14	59807	24072		+ 14	58894	42712
	-	91	11931		-	91	47937
08	.36929	26533	08730	18	.37075	19587	99039
	+ 14	59716	12141		+ 14	58802	94775
	-	91	15532		-	91	51538
09	.36943	86249	20871	19	.37089	78390	93814
	+ 14	59624	96609		+ 14	58711	43237
	-	91	19135		-	91	55136

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

24^c	Sine.			24^c	Sine.		
20'	.37104	37102	37051	30'	.37250	19175	43152
	+ 14	58619	88101		+ 14	57702	38827
	-	91	58736		-	91	94713
21	.37118	95722	25152	31	.37264	76877	81979
	+ 14	58528	29365		+ 14	57610	44114
	-	91	62334		-	91	98309
22	.37133	54250	54517	32	.37279	34488	26093
	+ 14	58436	67031		+ 14	57518	45805
	-	91	65934		-	92	01907
23	.37148	12687	21548	33	.37293	92006	71898
	+ 14	58345	01097		+ 14	57426	43898
	-	91	69530		-	92	05501
24	.37162	71032	22645	34	.37308	49433	15796
	+ 14	58253	31567		+ 14	57334	38397
	-	91	73129		-	92	09098
25	.37177	29285	54212	35	.37323	06767	54193
	+ 14	58161	58438		+ 14	57242	29299
	-	91	76728		-	92	12694
26	.37191	87447	12650	36	.37337	64009	83492
	+ 14	58069	81710		+ 14	57150	16605
	-	91	80325		-	92	16288
27	.37206	45516	94360	37	.37352	21160	00097
	+ 14	57978	01385		+ 14	57058	00317
	-	91	83922		-	92	19884
28	.37221	03494	95745	38	.37366	78218	00414
	+ 14	57886	17463		+ 14	56965	80433
	-	91	87519		-	92	23480
29	.37235	61381	13208	39	.37381	35183	80847
	+ 14	57794	29944		+ 14	56873	56953
	-	91	91117		-	92	27072

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

24^c	Sine.				24^c	Sine.			
40'	.37395	92057	37800		50'	.37541	55712	25283	
	+	14	56781	29881		+	14	55856	61487
	-		92	30669		-		92	66600
41	.37410	48838	67681		51	.37556	11568	86770	
	+	14	56688	99212		+	14	55763	94887
	-		92	34262		-		92	70192
42	.37425	05527	66893		52	.37570	67332	81657	
	+	14	56596	64950		+	14	55671	24695
	-		92	37856		-		92	73784
43	.37439	62124	31843		53	.37585	23004	06352	
	+	14	56504	27094		+	14	55578	50911
	-		92	41450		-		92	77375
44	.37454	18628	58937		54	.37599	78582	57263	
	+	14	56411	85644		+	14	55485	73536
	-		92	45044		-		92	80967
45	.37468	75040	44581		55	.37614	34068	30799	
	+	14	56319	40600		+	14	55392	92569
	-		92	48637		-		92	84557
46	.37483	31359	85181		56	.37628	89461	23368	
	+	14	56226	91963		+	14	55300	08012
	-		92	52229		-		92	88149
47	.37497	87586	77144		57	.37643	44761	31380	
	+	14	56134	39734		+	14	55207	19863
	-		92	55824		-		92	91738
48	.37512	43721	16878		58	.37657	99968	51243	
	+	14	56041	83910		+	14	55114	28125
	-		92	59415		-		92	95330
49	.37526	99763	00788		59	.37672	55082	79368	
	+	14	55949	24495		+	14	55021	32795
	-		92	63008		-		92	98920

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

24^c	Sine.				24^c	Sine.			
60'	.37687	10104	12163		70'	.37832	55197	07288	
	+	14	54928	33875		+	14	53996	47275
	-		93	02508		-		93	38396
61	.37701	65032	46038		71	.37847	09193	54563	
	+	14	54835	31367		+	14	53903	08879
	-		93	06100		-		93	41982
62	.37716	19867	77405		72	.37861	63096	63442	
	+	14	54742	25267		+	14	53809	66897
	-		93	09688		-		93	45571
63	.37730	74610	02672		73	.37876	16906	30339	
	+	14	54649	15579		+	14	53716	21326
	-		93	13278		-		93	49156
64	.37745	29259	18251		74	.37890	70622	51665	
	+	14	54556	02301		+	14	53622	72170
	-		93	16866		-		93	52745
65	.37759	83815	20552		75	.37905	24245	23835	
	+	14	54462	85435		+	14	53529	19425
	-		93	20456		-		93	56329
66	.37774	38278	05987		76	.37919	77774	43260	
	+	14	54369	64979		+	14	53435	63096
	-		93	24044		-		93	59917
67	.37788	92647	70966		77	.37934	31210	06356	
	+	14	54276	40935		+	14	53342	03179
	-		93	27631		-		93	63502
68	.37803	46924	11901		78	.37948	84552	09535	
	+	14	54183	13304		+	14	53248	39677
	-		93	31221		-		93	67088
69	.37818	01107	25205		79	.37963	37800	49212	
	+	14	54089	82083		+	14	53154	72589
	-		93	34808		-		93	70674

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

24^c	Sine.				24^c	Sine.			
80'	.37977	90955	21801		90'	.38123	17342	69149	
	+	14	53061	01915		+	14	52121	98027
	-		93	74258		-		94	10098
81	.37992	44016	23716		91	.38137	69464	67176	
	+	14	52967	27657		+	14	52027	87929
	-		93	77844		-		94	13683
82	.38006	96983	51373		92	.38152	21492	55105	
	+	14	52873	49813		+	14	51933	74246
	-		93	81429		-		94	17263
83	.38021	49857	01186		93	.38166	73426	29351	
	+	14	52779	68384		+	14	51839	56983
	-		93	85014		-		94	20847
84	.38036	02636	69570		94	.38181	25265	86334	
	+	14	52685	83370		+	14	51745	36136
	-		93	88597		-		94	24429
85	.38050	55322	52940		95	.38195	77011	22470	
	+	14	52591	94773		+	14	51651	11707
	-		93	92182		-		94	28009
86	.38065	07914	47713		96	.38210	28662	34177	
	+	14	52498	02591		+	14	51556	83698
	-		93	95765		-		94	31593
87	.38079	60412	50304		97	.38224	80219	17875	
	+	14	52404	06826		+	14	51462	52105
	-		93	99350		-		94	35173
88	.38094	12816	57130		98	.38239	31681	69980	
	+	14	52310	07476		+	14	51368	16932
	-		94	02933		-		94	38754
89	.38108	65126	64606		99	.38253	83049	86912	
	+	14	52216	04543		+	14	51273	78178
	-		94	06516		-		94	42336

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

25^c	Sine.				25^c	Sine.			
00'	.38268	34323	65090		10'	.38413	41862	27703	
	+ 14	51179	35842			+ 14	50233	15593	
	-	94	45915			-	94	81708	
01	.38282	85503	00932		11	.38427	92095	43296	
	+ 14	51084	89927			+ 14	50138	33885	
	-	94	49496			-	94	85288	
02	.38297	36587	90859		12	.38442	42233	77181	
	+ 14	50990	40431			+ 14	50043	48597	
	-	94	53077			-	94	88866	
03	.38311	87578	31290		13	.38456	92277	25778	
	+ 14	50895	87354			+ 14	49948	59731	
	-	94	56657			-	94	92442	
04	.38326	38474	18644		14	.38471	42225	85509	
	+ 14	50801	30697			+ 14	49853	67289	
	-	94	60235			-	94	96021	
05	.38340	89275	49341		15	.38485	92079	52798	
	+ 14	50706	70462			+ 14	49758	71268	
	-	94	63816			-	94	99597	
06	.38355	39982	19803		16	.38500	41838	24066	
	+ 14	50612	06646			+ 14	49663	71671	
	-	94	67395			-	95	03175	
07	.38369	90594	26449		17	.38514	91501	95737	
	+ 14	50517	39251			+ 14	49568	68496	
	-	94	70973			-	95	06750	
08	.38384	41111	65700		18	.38529	41070	64233	
	+ 14	50422	68278			+ 14	49473	61746	
	-	94	74553			-	95	10328	
09	.38398	91534	33978		19	.38543	90544	25979	
	+ 14	50327	93725			+ 14	49378	51418	
	-	94	78132			-	95	13904	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

25^c	Sine.			25^c	Sine.				
20'	.38558	39922	77397	30'	.38703	28469	36919		
	+	14	49283	37514		+	14	48330	01839
	-		95	17479		-		95	53227
21	.38572	89206	14911	31	.38717	76799	38758		
	+	14	49188	20035		+	14	48234	48612
	-		95	21056		-		95	56799
22	.38587	38394	34946	32	.38732	25033	87370		
	+	14	49092	98979		+	14	48138	91813
	-		95	24630		-		95	60373
23	.38601	87487	33925	33	.38746	73172	79183		
	+	14	48997	74349		+	14	48043	31440
	-		95	28207		-		95	63946
24	.38616	36485	08274	34	.38761	21216	10623		
	+	14	48902	46142		+	14	47947	67494
	-		95	31781		-		95	67518
25	.38630	85387	54416	35	.38775	69163	78117		
	+	14	48807	14361		+	14	47851	99976
	-		95	35355		-		95	71092
26	.38645	34194	68777	36	.38790	17015	78093		
	+	14	48711	79006		+	14	47756	28884
	-		95	38931		-		95	74662
27	.38659	82906	47783	37	.38804	64772	06977		
	+	14	48616	40075		+	14	47660	54222
	-		95	42505		-		95	78235
28	.38674	31522	87858	38	.38819	12432	61199		
	+	14	48520	97570		+	14	47564	75987
	-		95	46079		-		95	81807
29	.38688	80043	85428	39	.38833	59997	37186		
	+	14	48425	51491		+	14	47468	94180
	-		95	49652		-		95	85378

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

25^c	Sine.			25^c	Sine.		
40'	.38848	07466	31366	50'	.38992	76877	88188
	+	14	47373	08802		+	14
	-		95	88950		-	96
41	.38862	54839	40168	51	.39007	23290	46829
	+	14	47277	19852		+	14
	-		95	92520		-	96
42	.38877	02116	60020	52	.39021	69606	80820
	+	14	47181	27332		+	14
	-		95	96091		-	96
43	.38891	49297	87352	53	.39036	15826	86594
	+	14	47085	31241		+	14
	-		95	99662		-	96
44	.38905	96383	18593	54	.39050	61950	60582
	+	14	46989	31579		+	14
	-		96	03232		-	96
45	.38920	43372	50172	55	.39065	07977	99215
	+	14	46893	28347		+	14
	-		96	06802		-	96
46	.38934	90265	78519	56	.39079	53908	98927
	+	14	46797	21545		+	14
	-		96	10372		-	96
47	.38949	37063	00064	57	.39093	99743	56149
	+	14	46701	11173		+	14
	-		96	13942		-	96
48	.38963	83764	11237	58	.39108	45481	67313
	+	14	46604	97231		+	14
	-		96	17511		-	96
49	.38978	30369	08468	59	.39122	91123	28854
	+	14	46508	79720		+	14
	-		96	21079		-	96

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

25^c	Sine.			25^c	Sine.		
60'	.39137	36668	37202	70'	.39281	86802	10599
+ 14	45448	51591		+ 14	44480	87891	
-	96	60325		-	96	95976	
61	.39151	82116	88793	71	.39296	31282	98490
+ 14	45351	91266		+ 14	44383	91915	
-	96	63891		-	96	99541	
62	.39166	27468	80059	72	.39310	75666	90405
+ 14	45255	27375		+ 14	44286	92374	
-	96	67456		-	97	03104	
63	.39180	72724	07434	73	.39325	19953	82779
+ 14	45158	59919		+ 14	44189	89270	
-	96	71024		-	97	06668	
64	.39195	17882	67353	74	.39339	64143	72049
+ 14	45061	88895		+ 14	44092	82602	
-	96	74588		-	97	10230	
65	.39209	62944	56248	75	.39354	08236	54651
+ 14	44965	14307		+ 14	43995	72372	
-	96	78153		-	97	13793	
66	.39224	07909	70555	76	.39368	52232	27023
+ 14	44868	36154		+ 14	43898	58579	
-	96	81719		-	97	17357	
67	.39238	52778	06709	77	.39382	96130	85602
+ 14	44771	54435		+ 14	43801	41222	
-	96	85284		-	97	20918	
68	.39252	97549	61144	78	.39397	39932	26824
+ 14	44674	69151		+ 14	43704	20304	
-	96	88847		-	97	24481	
69	.39267	42224	30295	79	.39411	83636	47128
+ 14	44577	80304		+ 14	43606	95823	
-	96	92413		-	97	28043	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

25^c	Sine.				25^c	Sine.			
80'	.39426	27243	42951		90'	.39570	57956	71223	
	+	14	43509	67780		+	14	42534	91498
	-		97	31604		-		97	67209
81	.39440	70753	10731		91	.39585	00491	62721	
	+	14	43412	36176		+	14	42437	24289
	-		97	35167		-		97	70768
82	.39455	14165	46907		92	.39599	42928	87010	
	+	14	43315	01009		+	14	42339	53521
	-		97	38726		-		97	74325
83	.39469	57480	47916		93	.39613	85268	40531	
	+	14	43217	62283		+	14	42241	79196
	-		97	42289		-		97	77886
84	.39484	00698	10199		94	.39628	27510	19727	
	+	14	43120	19994		+	14	42144	01310
	-		97	45849		-		97	81443
85	.39498	43818	30193		95	.39642	69654	21037	
	+	14	43022	74145		+	14	42046	19867
	-		97	49409		-		97	85001
86	.39512	86841	04338		96	.39657	11700	40904	
	+	14	42925	24736		+	14	41948	34866
	-		97	52970		-		97	88560
87	.39527	29766	29074		97	.39671	53648	75770	
	+	14	42827	71766		+	14	41850	46306
	-		97	56529		-		97	92117
88	.39541	72594	00840		98	.39685	95499	22076	
	+	14	42730	15237		+	14	41752	54189
	-		97	60091		-		97	95673
89	.39556	15324	16077		99	.39700	37251	76265	
	+	14	42632	55146		+	14	41654	58516
	-		97	63648		-		97	99233

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

26^c	Sine.			26^c	Sine.		
00'	.39714	78906	34781	10'	.39858	90056	75397
	+ 14	41556	59283		+ 14	40574	71380
	-	98	02787		-	98	38343
01	.39729	20462	94064	11	.39873	30631	46777
	+ 14	41458	56496		+ 14	40476	33037
	-	98	06346		-	98	41899
02	.39743	61921	50560	12	.39887	71107	79814
	+ 14	41360	50150		+ 14	40377	91138
	-	98	09900		-	98	45452
03	.39758	03282	00710	13	.39902	11485	70952
	+ 14	41262	40250		+ 14	40279	45686
	-	98	13459		-	98	49006
04	.39772	44544	40960	14	.39916	51765	16638
	+ 14	41164	26791		+ 14	40180	96680
	-	98	17013		-	98	52560
05	.39786	85708	67751	15	.39930	91946	13318
	+ 14	41066	09778		+ 14	40082	44120
	-	98	20569		-	98	56112
06	.39801	26774	77529	16	.39945	32028	57438
	+ 14	40967	89209		+ 14	39983	88008
	-	98	24124		-	98	59666
07	.39815	67742	66738	17	.39959	72012	45446
	+ 14	40869	65085		+ 14	39885	28342
	-	98	27681		-	98	63218
08	.39830	08612	31823	18	.39974	11897	73788
	+ 14	40771	37404		+ 14	39786	65124
	-	98	31234		-	98	66771
09	.39844	49383	69227	19	.39988	51684	38912
	+ 14	40673	06170		+ 14	39687	98353
	-	98	34790		-	98	70324

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

26^c	Sine.			26^c	Sine.		
20'	.40002	91372	37265	30'	.40146	82817	67002
	+	14	39589	28029		+	14
	-		98	73875		-	99
21	.40017	30961	65294	31	.40161	21417	96476
	+	14	39490	54154		+	14
	-		98	77427		-	99
22	.40031	70452	19448	32	.40175	59919	16568
	+	14	39391	76727		+	14
	-		98	80979		-	99
23	.40046	09843	96175	33	.40189	98321	23727
	+	14	39292	95748		+	14
	-		98	84530		-	99
24	.40060	49136	91923	34	.40204	36624	14406
	+	14	39194	11218		+	14
	-		98	88081		-	99
25	.40074	88331	03141	35	.40218	74827	85056
	+	14	39095	23137		+	14
	-		98	91632		-	99
26	.40089	27426	26278	36	.40233	12932	32127
	+	14	38996	31505		+	14
	-		98	95183		-	99
27	.40103	66422	57783	37	.40247	50937	52071
	+	14	38897	36322		+	14
	-		98	98732		-	99
28	.40118	05319	94105	38	.40261	88843	41340
	+	14	38798	37590		+	14
	-		99	02283		-	99
29	.40132	44118	31695	39	.40276	26649	96387
	+	14	38699	35307		+	14
	-		99	05833		-	99

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

26^c	Sine.				26^c	Sine.			
40'	.40290	64357	13663		50'	.40434	35955	28745	
	+	14	37607	75958		+	14	36611	67727
	-		99	44865		-		99	80323
41	.40305	01964	89621		51	.40448	72566	96472	
	+	14	37508	31093		+	14	36511	87404
	-		99	48411		-		99	83867
42	.40319	39473	20714		52	.40463	09078	83876	
	+	14	37408	82682		+	14	36412	03537
	-		99	51959		-		99	87412
43	.40333	76882	03396		53	.40477	45490	87413	
	+	14	37309	30723		+	14	36312	16125
	-		99	55505		-		99	90955
44	.40348	14191	34119		54	.40491	81803	03538	
	+	14	37209	75218		+	14	36212	25170
	-		99	59051		-		99	94500
45	.40362	51401	09337		55	.40506	18015	28708	
	+	14	37110	16167		+	14	36112	30670
	-		99	62598		-		99	98043
46	.40376	88511	25504		56	.40520	54127	59378	
	+	14	37010	53569		+	14	36012	32627
	-		99	66141		-		100	01585
47	.40391	25521	79073		57	.40534	90139	92005	
	+	14	36910	87428		+	14	35912	31042
	-		99	69690		-		100	05130
48	.40405	62432	66501		58	.40549	26052	23047	
	+	14	36811	17738		+	14	35812	25912
	-		99	73232		-		100	08671
49	.40419	99243	84239		59	.40563	61864	48959	
	+	14	36711	44506		+	14	35712	17241
	-		99	76779		-		100	12215

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

26^c	Sine.			26^c	Sine.		
60'	.40577	97576	66200	70'	.40721	49185	82440
+ 14	35612	05026		+ 14	34608	88103	
-	100	15755		-	100	51165	
61	.40592	33188	71226	71	.40735	83794	70543
+ 14	35511	89271		+ 14	34508	36938	
-	100	19300		-	100	54705	
62	.40606	68700	60497	72	.40750	18303	07481
+ 14	35411	69971		+ 14	34407	82233	
-	100	22839		-	100	58244	
63	.40621	04112	30468	73	.40764	52710	89714
+ 14	35311	47132		+ 14	34307	23989	
-	100	26382		-	100	61783	
64	.40635	39423	77600	74	.40778	87018	13703
+ 14	35211	20750		+ 14	34206	62206	
-	100	29923		-	100	65321	
65	.40649	74634	98350	75	.40793	21224	75909
+ 14	35110	90827		+ 14	34105	96885	
-	100	33464		-	100	68861	
66	.40664	09745	89177	76	.40807	55330	72794
+ 14	35010	57363		+ 14	34005	28024	
-	100	37004		-	100	72398	
67	.40678	44756	46540	77	.40821	89336	00818
+ 14	34910	20359		+ 14	33904	55626	
-	100	40546		-	100	75936	
68	.40692	79666	66899	78	.40836	23240	56444
+ 14	34809	79813		+ 14	33803	79690	
-	100	44085		-	100	79475	
69	.40707	14476	46712	79	.40850	57044	36134
+ 14	34709	35728		+ 14	33703	00215	
-	100	47625		-	100	83011	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

26^c	Sine.				26^c	Sine.			
80'	.40864	90747	36349		90'	.41008	22225	89288	
	+	14	33602	17204		+	14	32591	92578
	-		100	86550		-		101	21909
81	.40879	24349	53553		91	.41022	54817	81866	
	+	14	33501	30654		+	14	32490	70669
	-		100	90085		-		101	25442
82	.40893	57850	84207		92	.41036	87308	52535	
	+	14	33400	40569		+	14	32389	45227
	-		100	93624		-		101	28977
83	.40907	91251	24776		93	.41051	19697	97762	
	+	14	33299	46945		+	14	32288	16250
	-		100	97158		-		101	32512
84	.40922	24550	71721		94	.41065	51986	14012	
	+	14	33198	49787		+	14	32186	83738
	-		101	00697		-		101	36043
85	.40936	57749	21508		95	.41079	84172	97750	
	+	14	33097	49090		+	14	32085	47695
	-		101	04230		-		101	39579
86	.40950	90846	70598		96	.41094	16258	45445	
	+	14	32996	44860		+	14	31984	08116
	-		101	07769		-		101	43111
87	.40965	23843	15458		97	.41108	48242	53561	
	+	14	32895	37091		+	14	31882	65005
	-		101	11302		-		101	46645
88	.40979	56738	52549		98	.41122	80125	18566	
	+	14	32794	25789		+	14	31781	18360
	-		101	14839		-		101	50177
89	.40993	89532	78338		99	.41137	11906	36926	
	+	14	32693	10950		+	14	31679	68183
	-		101	18372		-		101	53710

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

27^c	Sine.			27^c	Sine.		
00'	.41151	43586	05109	10'	.41294	54792	50157
	+ 14	31578	14473		+ 14	30560	83141
	-	101	57242		-	101	92551
01	.41165	75164	19582	11	.41308	85353	33298
	+ 14	31476	57231		+ 14	30458	90590
	-	101	60774		-	101	96080
02	.41180	06640	76813	12	.41323	15812	23888
	+ 14	31374	96457		+ 14	30356	94510
	-	101	64306		-	101	99610
03	.41194	38015	73270	13	.41337	46169	18398
	+ 14	31273	32151		+ 14	30254	94900
	-	101	67837		-	102	03139
04	.41208	69289	05421	14	.41351	76424	13298
	+ 14	31171	64314		+ 14	30152	91761
	-	101	71369		-	102	06667
05	.41223	00460	69735	15	.41366	06577	05059
	+ 14	31069	92945		+ 14	30050	85094
	-	101	74900		-	102	10197
06	.41237	31530	62680	16	.41380	36627	90153
	+ 14	30968	18045		+ 14	29948	74897
	-	101	78430		-	102	13724
07	.41251	62498	80725	17	.41394	66576	65050
	+ 14	30866	39615		+ 14	29846	61173
	-	101	81961		-	102	17252
08	.41265	93365	20340	18	.41408	96423	26223
	+ 14	30764	57654		+ 14	29744	43921
	-	101	85491		-	102	20781
09	.41280	24129	77994	19	.41423	26167	70144
	+ 14	30662	72163		+ 14	29642	23140
	-	101	89022		-	102	24307

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

27^c	Sine.			27^c	Sine.		
20'	.41437	55809	93284	30'	.41580	46603	05857
	+	14	29539	98833		+	14
	-		102	27835		-	102
21	.41451	85349	92117	31	.41594	75118	67657
	+	14	29437	70998		+	14
	-		102	31362		-	102
22	.41466	14787	63115	32	.41609	03531	66363
	+	14	29335	39636		+	14
	-		102	34888		-	102
23	.41480	44123	02751	33	.41623	31841	98452
	+	14	29233	04748		+	14
	-		102	38416		-	102
24	.41494	73356	07499	34	.41637	60049	60398
	+	14	29130	66332		+	14
	-		102	41941		-	102
25	.41509	02486	73831	35	.41651	88154	48678
	+	14	29028	24391		+	14
	-		102	45467		-	102
26	.41523	31514	98222	36	.41666	16156	59768
	+	14	28925	78924		+	14
	-		102	48993		-	102
27	.41537	60440	77146	37	.41680	44055	90145
	+	14	28823	29931		+	14
	-		102	52519		-	102
28	.41551	89264	07077	38	.41694	71852	36285
	+	14	28720	77412		+	14
	-		102	56044		-	102
29	.41566	17984	84489	39	.41708	99545	94666
	+	14	28618	21368		+	14
	-		102	59568		-	102

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

27^c	Sine.				27^c	Sine.			
40'	.41723	27136	61765		50'	.41865	97375	37428	
	+	14	27487	72295		+	14	26456	30571
	-		102	98328		-		103	33535
41	.41737	54624	34060		51	.41880	23831	67999	
	+	14	27384	73967		+	14	26352	97036
	-		103	01848		-		103	37054
42	.41751	82009	08027		52	.41894	50184	65035	
	+	14	27281	72119		+	14	26249	59982
	-		103	05370		-		103	40573
43	.41766	09290	80146		53	.41908	76434	25017	
	+	14	27178	66749		+	14	26146	19409
	-		103	08892		-		103	44092
44	.41780	36469	46895		54	.41923	02580	44426	
	+	14	27075	57857		+	14	26042	75317
	-		103	12413		-		103	47610
45	.41794	63545	04752		55	.41937	28623	19743	
	+	14	26972	45444		+	14	25939	27707
	-		103	15934		-		103	51130
46	.41808	90517	50196		56	.41951	54562	47450	
	+	14	26869	29510		+	14	25835	76577
	-		103	19454		-		103	54646
47	.41823	17386	79706		57	.41965	80398	24027	
	+	14	26766	10056		+	14	25732	21931
	-		103	22976		-		103	58166
48	.41837	44152	89762		58	.41980	06130	45958	
	+	14	26662	87080		+	14	25628	63765
	-		103	26494		-		103	61682
49	.41851	70815	76842		59	.41994	31759	09723	
	+	14	26559	60586		+	14	25525	02083
	-		103	30015		-		103	65200

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

27^c	Sine.			27^c	Sine.		
60'	.42008	57284	11806	70'	.42151	06827	66409
+ 14	25421	36883		+ 14	24382	91487	
-	103	68716		-	104	03874	
61	.42022	82705	48689	71	.42165	31210	57896
+ 14	25317	68167		+ 14	24278	87613	
-	103	72235		-	104	07387	
62	.42037	08023	16856	72	.42179	55489	45509
+ 14	25213	95932		+ 14	24174	80226	
-	103	75750		-	104	10903	
63	.42051	33237	12788	73	.42193	79664	25735
+ 14	25110	20182		+ 14	24070	69323	
-	103	79267		-	104	14416	
64	.42065	58347	32970	74	.42208	03734	95058
+ 14	25006	40915		+ 14	23966	54907	
-	103	82782		-	104	17928	
65	.42079	83353	73885	75	.42222	27701	49965
+ 14	24902	58133		+ 14	23862	36979	
-	103	86299		-	104	21444	
66	.42094	08256	32018	76	.42236	51563	86944
+ 14	24798	71834		+ 14	23758	15535	
-	103	89814		-	104	24954	
67	.42108	33055	03852	77	.42250	75322	02479
+ 14	24694	82020		+ 14	23653	90581	
-	103	93329		-	104	28469	
68	.42122	57749	85872	78	.42264	98975	93060
+ 14	24590	88691		+ 14	23549	62112	
-	103	96845		-	104	31981	
69	.42136	82340	74563	79	.42279	22525	55172
+ 14	24486	91846		+ 14	23445	30131	
-	104	00359		-	104	35492	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

27^c	Sine.			27^c	Sine.		
80'	.42293	45970	85303	90'	.42435	74678	55122
+ 14	23340	94639		+ 14	22295	46595	
-	104	39005		-	104	74111	
81	.42307	69311	79942	91	.42449	96974	01717
+ 14	23236	55634		+ 14	22190	72484	
-	104	42517		-	104	77618	
82	.42321	92548	35576	92	.42464	19164	74201
+ 14	23132	13117		+ 14	22085	94866	
-	104	46028		-	104	81129	
83	.42336	15680	48693	93	.42478	41250	69067
+ 14	23027	67089		+ 14	21981	13737	
-	104	49539		-	104	84637	
84	.42350	38708	15782	94	.42492	63231	82804
+ 14	22923	17550		+ 14	21876	29100	
-	104	53050		-	104	88144	
85	.42364	61631	33332	95	.42506	85108	11904
+ 14	22818	64500		+ 14	21771	40956	
-	104	56561		-	104	91654	
86	.42378	84449	97832	96	.42521	06879	52860
+ 14	22714	07939		+ 14	21666	49302	
-	104	60071		-	104	95161	
87	.42393	07164	05771	97	.42535	28546	02162
+ 14	22609	47868		+ 14	21561	54141	
-	104	63581		-	104	98668	
88	.42407	29773	53639	98	.42549	50107	56303
+ 14	22504	84287		+ 14	21456	55473	
-	104	67091		-	105	02176	
89	.42421	52278	37926	99	.42563	71564	11776
+ 14	22400	17196		+ 14	21351	53297	
-	104	70601		-	105	05683	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

28^c	Sine.				28^c	Sine.			
00'	.42577	92915	65073		10'	.42720	00647	06947	
	+	14	21246	47614		+	14	20193	97954
	-		105	09190		-		105	44242
01	.42592	14162	12687		11	.42734	20841	04901	
	+	14	21141	38424		+	14	20088	53712
	-		105	12696		-		105	47748
02	.42606	35303	51111		12	.42748	40929	58613	
	+	14	21036	25728		+	14	19983	05964
	-		105	16203		-		105	51251
03	.42620	56339	76839		13	.42762	60912	64577	
	+	14	20931	09525		+	14	19877	54713
	-		105	19708		-		105	54754
04	.42634	77270	86364		14	.42776	80790	19290	
	+	14	20825	89817		+	14	19771	99959
	-		105	23214		-		105	58258
05	.42648	98096	76181		15	.42791	00562	19249	
	+	14	20720	66603		+	14	19666	41701
	-		105	26720		-		105	61759
06	.42663	18817	42784		16	.42805	20228	60950	
	+	14	20615	39883		+	14	19560	79942
	-		105	30225		-		105	65264
07	.42677	39432	82667		17	.42819	39789	40892	
	+	14	20510	09658		+	14	19455	14678
	-		105	33730		-		105	68765
08	.42691	59942	92325		18	.42833	59244	55570	
	+	14	20404	75928		+	14	19349	45913
	-		105	37234		-		105	72268
09	.42705	80347	68253		19	.42847	78594	01483	
	+	14	20299	38694		+	14	19243	73645
	-		105	40740		-		105	75768

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

28^c	Sine.				28^c	Sine.			
20'	.42861	97837	75128		30'	.43003	84452	66601	
	+	14	19137	97877		+	14	18078	47640
	-		105	79272		-		106	14272
21	.42876	16975	73005		31	.43018	02531	14241	
	+	14	19032	18605		+	14	17972	33368
	-		105	82771		-		106	17771
22	.42890	36007	91610		32	.43032	20503	47609	
	+	14	18926	35834		+	14	17866	15597
	-		105	86274		-		106	21270
23	.42904	54934	27444		33	.43046	38369	63206	
	+	14	18820	49560		+	14	17759	94327
	-		105	89774		-		106	24767
24	.42918	73754	77004		34	.43060	56129	57533	
	+	14	18714	59786		+	14	17653	69560
	-		105	93274		-		106	28266
25	.42932	92469	36790		35	.43074	73783	27093	
	+	14	18608	66512		+	14	17547	41294
	-		105	96776		-		106	31763
26	.42947	11078	03302		36	.43088	91330	68387	
	+	14	18502	69736		+	14	17441	09531
	-		106	00274		-		106	35261
27	.42961	29580	73038		37	.43103	08771	77918	
	+	14	18396	69462		+	14	17334	74270
	-		106	03774		-		106	38757
28	.42975	47977	42500		38	.43117	26106	52188	
	+	14	18290	65688		+	14	17228	35513
	-		106	07275		-		106	42255
29	.42989	66268	08188		39	.43131	43334	87701	
	+	14	18184	58413		+	14	17121	93258
	-		106	10773		-		106	45751

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

28^c	Sine.			28^c	Sine.		
40'	.43145	60456	80959	50'	.43287	25815	20414
	+	14	17015	47507		+	14
	-		106	49248		-	106
41	.43159	77472	28466	51	.43301	41764	18153
	+	14	16908	98259		+	14
	-		106	52743		-	106
42	.43173	94381	26725	52	.43315	57606	31696
	+	14	16802	45516		+	14
	-		106	56240		-	106
43	.43188	11183	72241	53	.43329	73341	57549
	+	14	16695	89276		+	14
	-		106	59734		-	106
44	.43202	27879	61517	54	.43343	88969	92219
	+	14	16589	29542		+	14
	-		106	63231		-	106
45	.43216	44468	91059	55	.43358	04491	32212
	+	14	16482	66311		+	14
	-		106	66726		-	107
46	.43230	60951	57370	56	.43372	19905	74037
	+	14	16375	99585		+	14
	-		106	70219		-	107
47	.43244	77327	56955	57	.43386	35213	14201
	+	14	16269	29366		+	14
	-		106	73715		-	107
48	.43258	93596	86321	58	.43400	50413	49211
	+	14	16162	55651		+	14
	-		106	77209		-	107
49	.43273	09759	41972	59	.43414	65506	75576
	+	14	16055	78442		+	14
	-		106	80703		-	107

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

28^c	Sine.			28^c	Sine.		
60'	.43428	80492	89805	70'	.43570	24454	96605
+ 14	14878	98600		+ 14	13805	50354	
-	107	19119		-	107	54015	
61	.43442	95371	88405	71	.43584	38260	46959
+ 14	14771	79481		+ 14	13697	96339	
-	107	22609		-	107	57504	
62	.43457	10143	67886	72	.43598	51958	43298
+ 14	14664	56872		+ 14	13590	38835	
-	107	26102		-	107	60991	
63	.43471	24808	24758	73	.43612	65548	82133
+ 14	14557	30770		+ 14	13482	77844	
-	107	29590		-	107	64479	
64	.43485	39365	55528	74	.43626	79031	59977
+ 14	14450	01180		+ 14	13375	13365	
-	107	33081		-	107	67966	
65	.43499	53815	56708	75	.43640	92406	73342
+ 14	14342	68099		+ 14	13267	45399	
-	107	36570		-	107	71454	
66	.43513	68158	24807	76	.43655	05674	18741
+ 14	14235	31529		+ 14	13159	73945	
-	107	40060		-	107	74941	
67	.43527	82393	56336	77	.43669	18833	92686
+ 14	14127	91469		+ 14	13051	99004	
-	107	43550		-	107	78426	
68	.43541	96521	47805	78	.43683	31885	91690
+ 14	14020	47919		+ 14	12944	20578	
-	107	47038		-	107	81913	
69	.43556	10541	95724	79	.43697	44830	12268
+ 14	13913	00881		+ 14	12836	38665	
-	107	50527		-	107	85400	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

28^c	Sine.			28^c	Sine.				
80'	.43711	57666	50933	90'	.43852	80092	65559		
	+	14	12728	53265		+	14	11648	07600
	-		107	88884		-		108	23728
81	.43725	70395	04198	91	.43866	91740	73159		
	+	14	12620	64381		+	14	11539	83872
	-		107	92371		-		108	27211
82	.43739	83015	68579	92	.43881	03280	57031		
	+	14	12512	72010		+	14	11431	56661
	-		107	95856		-		108	30693
83	.43753	95528	40589	93	.43895	14712	13692		
	+	14	12404	76154		+	14	11323	25968
	-		107	99340		-		108	34176
84	.43768	07933	16743	94	.43909	26035	39660		
	+	14	12296	76814		+	14	11214	91792
	-		108	02826		-		108	37657
85	.43782	20229	93557	95	.43923	37250	31452		
	+	14	12188	73988		+	14	11106	54135
	-		108	06310		-		108	41141
86	.43796	32418	67545	96	.43937	48356	85587		
	+	14	12080	67678		+	14	10998	12994
	-		108	09793		-		108	44620
87	.43810	44499	35223	97	.43951	59354	98581		
	+	14	11972	57885		+	14	10889	68374
	-		108	13279		-		108	48102
88	.43824	56471	93108	98	.43965	70244	66955		
	+	14	11864	44606		+	14	10781	20272
	-		108	16761		-		108	51584
89	.43838	68336	37714	99	.43979	81025	87227		
	+	14	11756	27845		+	14	10672	68688
	-		108	20245		-		108	55063

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

29^c	Sine.				29^c	Sine.			
00'	.43993	91698	55915		10'	.44134	92449	40103	
	+	14	10564	13625		+	14	09476	71606
	-		108	58545		-		108	93334
01	.44008	02262	69540		11	.44149	01926	11709	
	+	14	10455	55080		+	14	09367	78272
	-		108	62025		-		108	96811
02	.44022	12718	24620		12	.44163	11293	89981	
	+	14	10346	93055		+	14	09258	81461
	-		108	65503		-		109	00288
03	.44036	23065	17675		13	.44177	20552	71442	
	+	14	10238	27552		+	14	09149	81173
	-		108	68985		-		109	03766
04	.44050	33303	45227		14	.44191	29702	52615	
	+	14	10129	58567		+	14	09040	77407
	-		108	72463		-		109	07242
05	.44064	43433	03794		15	.44205	38743	30022	
	+	14	10020	86104		+	14	08931	70165
	-		108	75942		-		109	10719
06	.44078	53453	89898		16	.44219	47675	00187	
	+	14	09912	10162		+	14	08822	59446
	-		108	79422		-		109	14194
07	.44092	63366	00060		17	.44233	56497	59633	
	+	14	09803	30740		+	14	08713	45252
	-		108	82900		-		109	17671
08	.44106	73169	30800		18	.44247	65211	04885	
	+	14	09694	47840		+	14	08604	27581
	-		108	86377		-		109	21145
09	.44120	82863	78640		19	.44261	73815	32466	
	+	14	09585	61463		+	14	08495	06436
	-		108	89857		-		109	24623

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

29^c	Sine.			29^c	Sine.		
20'	.44275	82310	38902	30'	.44416	61246	75779
+ 14	08385	81813		+ 14	07291	44515	
-	109	28096		-	109	62831	
21	.44289	90696	20715	31	.44430	68538	20294
+ 14	08276	53717		+ 14	07181	81684	
-	109	31571		-	109	66304	
22	.44303	98972	74432	32	.44444	75720	01978
+ 14	08167	22146		+ 14	07072	15380	
-	109	35046		-	109	69777	
23	.44318	07139	96578	33	.44458	82792	17358
+ 14	08057	87100		+ 14	06962	45603	
-	109	38520		-	109	73247	
24	.44332	15197	83678	34	.44472	89754	62961
+ 14	07948	48580		+ 14	06852	72356	
-	109	41994		-	109	76719	
25	.44346	23146	32258	35	.44486	96607	35317
+ 14	07839	06586		+ 14	06742	95637	
-	109	45467		-	109	80190	
26	.44360	30985	38844	36	.44501	03350	30954
+ 14	07729	61119		+ 14	06633	15447	
-	109	48942		-	109	83661	
27	.44374	38714	99963	37	.44515	09983	46401
+ 14	07620	12177		+ 14	06523	31786	
-	109	52414		-	109	87131	
28	.44388	46335	12140	38	.44529	16506	78187
+ 14	07510	59763		+ 14	06413	44655	
-	109	55887		-	109	90601	
29	.44402	53845	71903	39	.44543	22920	22842
+ 14	07401	03876		+ 14	06303	54054	
-	109	59361		-	109	94071	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

29^c	Sine.				29^c	Sine.			
40'	.44557	29223	76896		50'	.44697	86206	71121	
	+	14	06193	59983		+	14	05092	28486
	-		109	97541		-		110	32223
41	.44571	35417	36879		51	.44711	91298	99607	
	+	14	06083	62442		+	14	04981	96263
	-		110	01010		-		110	35689
42	.44585	41500	99321		52	.44725	96280	95870	
	+	14	05973	61432		+	14	04871	60574
	-		110	04479		-		110	39155
43	.44599	47474	60753		53	.44740	01152	56444	
	+	14	05863	56953		+	14	04761	21419
	-		110	07949		-		110	42621
44	.44613	53338	17706		54	.44754	05913	77863	
	+	14	05753	49004		+	14	04650	78798
	-		110	11416		-		110	46088
45	.44627	59091	66710		55	.44768	10564	56661	
	+	14	05643	37588		+	14	04540	32710
	-		110	14885		-		110	49552
46	.44641	64735	04298		56	.44782	15104	89371	
	+	14	05533	22703		+	14	04429	83158
	-		110	18353		-		110	53019
47	.44655	70268	27001		57	.44796	19534	72529	
	+	14	05423	04350		+	14	04319	30139
	-		110	21821		-		110	56483
48	.44669	75691	31351		58	.44810	23854	02668	
	+	14	05312	82529		+	14	04208	73656
	-		110	25288		-		110	59948
49	.44683	81004	13880		59	.44824	28062	76324	
	+	14	05202	57241		+	14	04098	13708
	-		110	28755		-		110	63412

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

29^c	Sine.			29^c	Sine.		
60'	.44838	32160	90032	70'	.44978	67051	67930
+ 14	03987	50296		+ 14	02879	25686	
-	110	66877		-	111	01503	
61	.44852	36148	40328	71	.44992	69930	93616
+ 14	03876	83419		+ 14	02768	24183	
-	110	70340		-	111	04966	
62	.44866	40025	23747	72	.45006	72699	17799
+ 14	03766	13079		+ 14	02657	19217	
-	110	73804		-	111	08425	
63	.44880	43791	36826	73	.45020	75356	37016
+ 14	03655	39275		+ 14	02546	10792	
-	110	77268		-	111	11886	
64	.44894	47446	76101	74	.45034	77902	47808
+ 14	03544	62007		+ 14	02434	98906	
-	110	80731		-	111	15347	
65	.44908	50991	38108	75	.45048	80337	46714
+ 14	03433	81276		+ 14	02323	83559	
-	110	84193		-	111	18806	
66	.44922	54425	19384	76	.45062	82661	30273
+ 14	03322	97083		+ 14	02212	64753	
-	110	87656		-	111	22268	
67	.44936	57748	16467	77	.45076	84873	95026
+ 14	03212	09427		+ 14	02101	42485	
-	110	91119		-	111	25725	
68	.44950	60960	25894	78	.45090	86975	37511
+ 14	03101	18308		+ 14	01990	16760	
-	110	94580		-	111	29186	
69	.44964	64061	44202	79	.45104	88965	54271
+ 14	02990	23728		+ 14	01878	87574	
-	110	98042		-	111	32644	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

29^c	Sine.				29^c	Sine.			
80'	.45118	90844	41845		90'	.45259	03504	51545	
	+	14	01767	54930		+	14	00652	38302
	-		111	36104		-		111	70676
81	.45132	92611	96775		91	.45273	04156	89847	
	+	14	01656	18826		+	14	00540	67626
	-		111	39561		-		111	74131
82	.45146	94268	15601		92	.45287	04697	57473	
	+	14	01544	79265		+	14	00428	93495
	-		111	43019		-		111	77586
83	.45160	95812	94866		93	.45301	05126	50968	
	+	14	01433	36246		+	14	00317	15909
	-		111	46479		-		111	81042
84	.45174	97246	31112		94	.45315	05443	66877	
	+	14	01321	89767		+	14	00205	34867
	-		111	49934		-		111	84496
85	.45188	98568	20879		95	.45329	05649	01744	
	+	14	01210	39833		+	14	00093	50371
	-		111	53394		-		111	87951
86	.45202	99778	60712		96	.45343	05742	52115	
	+	14	01098	86439		+	13	99981	62420
	-		111	56849		-		111	91406
87	.45217	00877	47151		97	.45357	05724	14535	
	+	14	00987	29590		+	13	99869	71014
	-		111	60306		-		111	94858
88	.45231	01864	76741		98	.45371	05593	85549	
	+	14	00875	69284		+	13	99757	76156
	-		111	63764		-		111	98314
89	.45245	02740	46025		99	.45385	05351	61705	
	+	14	00764	05520		+	13	99645	77842
	-		111	67218		-		112	01767

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

30^c	Sine.			30^c	Sine.				
00'	.45399	04997	39547	10'	.45538	95288	51120		
	+	13	99533	76075		+	13	98411	68529
	-		112	05219		-		112	39737
01	.45413	04531	15622	11	.45552	93700	19649		
	+	13	99421	70856		+	13	98299	28792
	-		112	08672		-		112	43186
02	.45427	03952	86478	12	.45566	91999	48441		
	+	13	99309	62184		+	13	98186	85606
	-		112	12127		-		112	46637
03	.45441	03262	48662	13	.45580	90186	34047		
	+	13	99197	50057		+	13	98074	38969
	-		112	15576		-		112	50086
04	.45455	02459	98719	14	.45594	88260	73016		
	+	13	99085	34481		+	13	97961	88883
	-		112	19031		-		112	53537
05	.45469	01545	33200	15	.45608	86222	61899		
	+	13	98973	15450		+	13	97849	35346
	-		112	22482		-		112	56983
06	.45483	00518	48650	16	.45622	84071	97245		
	+	13	98860	92968		+	13	97736	78363
	-		112	25932		-		112	60435
07	.45496	99379	41618	17	.45636	81808	75608		
	+	13	98748	67036		+	13	97624	17928
	-		112	29385		-		112	63881
08	.45510	98128	08654	18	.45650	79432	93536		
	+	13	98636	37651		+	13	97511	54047
	-		112	32836		-		112	67331
09	.45524	96764	46305	19	.45664	76944	47583		
	+	13	98524	04815		+	13	97398	86716
	-		112	36286		-		112	70777

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

30^c	Sine.			30^c	Sine.				
20'	.45678	74343	34299	30'	.45818	42127	39893		
	+	13	97286	15939		+	13	96157	18581
	-		112	74227		-		113	08687
21	.45692	71629	50238	31	.45832	38284	58474		
	+	13	97173	41712		+	13	96044	09894
	-		112	77672		-		113	12132
22	.45706	68802	91950	32	.45846	34328	68368		
	+	13	97060	64040		+	13	95930	97762
	-		112	81121		-		113	15576
23	.45720	65863	55990	33	.45860	30259	66130		
	+	13	96947	82919		+	13	95817	82186
	-		112	84568		-		113	19020
24	.45734	62811	38909	34	.45874	26077	48316		
	+	13	96834	98351		+	13	95704	63166
	-		112	88012		-		113	22464
25	.45748	59646	37260	35	.45888	21782	11482		
	+	13	96722	10339		+	13	95591	40702
	-		112	91461		-		113	25907
26	.45762	56368	47599	36	.45902	17373	52184		
	+	13	96609	18878		+	13	95478	14795
	-		112	94906		-		113	29351
27	.45776	52977	66477	37	.45916	12851	66979		
	+	13	96496	23972		+	13	95364	85444
	-		112	98352		-		113	32794
28	.45790	49473	90449	38	.45930	08216	52423		
	+	13	96383	25620		+	13	95251	52650
	-		113	01796		-		113	36235
29	.45804	45857	16069	39	.45944	03468	05073		
	+	13	96270	23824		+	13	95138	16415
	-		113	05243		-		113	39679

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

30^c	Sine.			30^c	Sine.				
40'	.45957	98606	21488	50'	.46097	43745	35462		
	+	13	95024	76736		+	13	93888	90683
	-		113	43121		-		113	77527
41	.45971	93630	98224	51	.46111	37634	26145		
	+	13	94911	33615		+	13	93775	13156
	-		113	46562		-		113	80965
42	.45985	88542	31839	52	.46125	31409	39301		
	+	13	94797	87053		+	13	93661	32191
	-		113	50004		-		113	84404
43	.45999	83340	18892	53	.46139	25070	71492		
	+	13	94684	37049		+	13	93547	47787
	-		113	53445		-		113	87841
44	.46013	78024	55941	54	.46153	18618	19279		
	+	13	94570	83604		+	13	93433	59946
	-		113	56886		-		113	91281
45	.46027	72595	39545	55	.46167	12051	79225		
	+	13	94457	26718		+	13	93319	68665
	-		113	60328		-		113	94719
46	.46041	67052	66263	56	.46181	05371	47890		
	+	13	94343	66390		+	13	93205	73946
	-		113	63766		-		113	98155
47	.46055	61396	32653	57	.46194	98577	21836		
	+	13	94230	02624		+	13	93091	75791
	-		113	67208		-		114	01594
48	.46069	55626	35277	58	.46208	91668	97627		
	+	13	94116	35416		+	13	92977	74197
	-		113	70647		-		114	05029
49	.46083	49742	70693	59	.46222	84646	71824		
	+	13	94002	64769		+	13	92863	69168
	-		113	74086		-		114	08468

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

30^c	Sine.			30^c	Sine.		
60'	.46236	77510	40992	70'	.46375	99867	00058
+ 13	92749	60700		+ 13	91606	87072	
-	114	11903		-	114	46254	
61	.46250	70260	01692	71	.46389	91473	87130
+ 13	92635	48797		+ 13	91492	40818	
-	114	15339		-	114	49685	
62	.46264	62895	50489	72	.46403	82966	27948
+ 13	92521	33458		+ 13	91377	91133	
-	114	18777		-	114	53119	
63	.46278	55416	83947	73	.46417	74344	19081
+ 13	92407	14681		+ 13	91263	38014	
-	114	22210		-	114	56552	
64	.46292	47823	98628	74	.46431	65607	57095
+ 13	92292	92471		+ 13	91148	81462	
-	114	25647		-	114	59985	
65	.46306	40116	91099	75	.46445	56756	38557
+ 13	92178	66824		+ 13	91034	21477	
-	114	29081		-	114	63416	
66	.46320	32295	57923	76	.46459	47790	60034
+ 13	92064	37743		+ 13	90919	58061	
-	114	32517		-	114	66849	
67	.46334	24359	95666	77	.46473	38710	18095
+ 13	91950	05226		+ 13	90804	91212	
-	114	35950		-	114	70281	
68	.46348	16310	00892	78	.46487	29515	09307
+ 13	91835	69276		+ 13	90690	20931	
-	114	39386		-	114	73711	
69	.46362	08145	70168	79	.46501	20205	30238
+ 13	91721	29890		+ 13	90575	47220	
-	114	42818		-	114	77142	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

30^c	Sine.				30^c	Sine.			
80'	.46515	10780	77458		90'	.46654	10217	40813	
	+	13	90460	70078		+	13	89311	10000
	-		114	80575		-		115	14865
81	.46529	01241	47536		91	.46667	99528	50813	
	+	13	90345	89503		+	13	89195	95135
	-		114	84003		-		115	18295
82	.46542	91587	37039		92	.46681	88724	45948	
	+	13	90231	05500		+	13	89080	76840
	-		114	87435		-		115	21720
83	.46556	81818	42539		93	.46695	77805	22788	
	+	13	90116	18065		+	13	88965	55120
	-		114	90865		-		115	25150
84	.46570	71934	60604		94	.46709	66770	77908	
	+	13	90001	27200		+	13	88850	29970
	-		114	94293		-		115	28575
85	.46584	61935	87804		95	.46723	55621	07878	
	+	13	89886	32907		+	13	88735	01395
	-		114	97724		-		115	32001
86	.46598	51822	20711		96	.46737	44356	09273	
	+	13	89771	35183		+	13	88619	69394
	-		115	01152		-		115	35429
87	.46612	41593	55894		97	.46751	32975	78667	
	+	13	89656	34031		+	13	88504	33965
	-		115	04582		-		115	38855
88	.46626	31249	89925		98	.46765	21480	12632	
	+	13	89541	29449		+	13	88388	95110
	-		115	08010		-		115	42279
89	.46640	20791	19374		99	.46779	09869	07742	
	+	13	89426	21439		+	13	88273	52831
	-		115	11439		-		115	45705

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

31^c	Sine.			31^c	Sine.				
00'	.46792	98142	60573	10'	.46931	74522	10033		
	+	13	88158	07126		+	13	87001	61736
	-		115	49131		-		115	83366
01	.46806	86300	67699	11	.46945	61523	71769		
	+	13	88042	57995		+	13	86885	78370
	-		115	52555		-		115	86789
02	.46820	74343	25694	12	.46959	48409	50139		
	+	13	87927	05440		+	13	86769	91581
	-		115	55981		-		115	90209
03	.46834	62270	31134	13	.46973	35179	41720		
	+	13	87811	49459		+	13	86654	01372
	-		115	59403		-		115	93632
04	.46848	50081	80593	14	.46987	21833	43092		
	+	13	87695	90056		+	13	86538	07740
	-		115	62829		-		115	97052
05	.46862	37777	70649	15	.47001	08371	50832		
	+	13	87580	27227		+	13	86422	10688
	-		115	66252		-		116	00474
06	.46876	25357	97876	16	.47014	94793	61520		
	+	13	87464	60975		+	13	86306	10214
	-		115	69675		-		116	03893
07	.46890	12822	58851	17	.47028	81099	71734		
	+	13	87348	91300		+	13	86190	06321
	-		115	73098		-		116	07315
08	.46904	00171	50151	18	.47042	67289	78055		
	+	13	87233	18202		+	13	86073	99006
	-		115	76522		-		116	10734
09	.46917	87404	68353	19	.47056	53363	77061		
	+	13	87117	41680		+	13	85957	88272
	-		115	79944		-		116	14155

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

31^c	Sine.				31^c	Sine.			
20'	.47070	39321	65333		30'	.47208	92507	05471	
	+	13	85841	74117		+	13	84678	44557
	-		116	17572		-		116	51752
21	.47084	25163	39450		31	.47222	77185	50028	
	+	13	85725	56545		+	13	84561	92805
	-		116	20993		-		116	55168
22	.47098	10888	95995		32	.47236	61747	42833	
	+	13	85609	35552		+	13	84445	37637
	-		116	24412		-		116	58585
23	.47111	96498	31547		33	.47250	46192	80470	
	+	13	85493	11140		+	13	84328	79052
	-		116	27829		-		116	61999
24	.47125	81991	42687		34	.47264	30521	59522	
	+	13	85376	83311		+	13	84212	17053
	-		116	31249		-		116	65415
25	.47139	67368	25998		35	.47278	14733	76575	
	+	13	85260	52062		+	13	84095	51638
	-		116	34666		-		116	68831
26	.47153	52628	78060		36	.47291	98829	28213	
	+	13	85144	17396		+	13	83978	82807
	-		116	38084		-		116	72245
27	.47167	37772	95456		37	.47305	82808	11020	
	+	13	85027	79312		+	13	83862	10562
	-		116	41501		-		116	75660
28	.47181	22800	74768		38	.47319	66670	21582	
	+	13	84911	37811		+	13	83745	34902
	-		116	44919		-		116	79074
29	.47195	07712	12579		39	.47333	50415	56484	
	+	13	84794	92892		+	13	83628	55828
	-		116	48335		-		116	82488

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

31^c	Sine.			31^c	Sine.		
40'	.47347	34044	12312	50'	.47485	63898	70595
	+	13	83511	73340		+	13
	-		116	85901		-	117
41	.47361	17555	85652	51	.47499	46240	31350
	+	13	83394	87439		+	13
	-		116	89315		-	117
42	.47375	00950	73091	52	.47513	28464	72084
	+	13	83277	98124		+	13
	-		116	92729		-	117
43	.47388	84228	71215	53	.47527	10571	89384
	+	13	83161	05395		+	13
	-		116	96140		-	117
44	.47402	67389	76610	54	.47540	92561	79841
	+	13	83044	09255		+	13
	-		116	99554		-	117
45	.47416	50433	85865	55	.47554	74434	40045
	+	13	82927	09701		+	13
	-		117	02966		-	117
46	.47430	33360	95566	56	.47568	56189	66586
	+	13	82810	06735		+	13
	-		117	06377		-	117
47	.47444	16171	02301	57	.47582	37827	56055
	+	13	82693	00358		+	13
	-		117	09790		-	117
48	.47457	98864	02659	58	.47596	19348	05042
	+	13	82575	90568		+	13
	-		117	13200		-	117
49	.47471	81439	93227	59	.47610	00751	10140
	+	13	82458	77368		+	13
	-		117	16613		-	117

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

31^c	Sine.				31^c	Sine.			
60'	.47623	82036	67939		70'	.47761	88423	94858	
+ 13	81168	07093			+ 13	79991	12639		
-	117	54115			-	117	88177		
61	.47637	63204	75032		71	.47775	68415	07497	
+ 13	81050	52978			+ 13	79873	24462		
-	117	57523			-	117	91582		
62	.47651	44255	28010		72	.47789	48288	31959	
+ 13	80932	95455			+ 13	79755	32880		
-	117	60928			-	117	94987		
63	.47665	25188	23465		73	.47803	28043	64839	
+ 13	80815	34527			+ 13	79637	37893		
-	117	64338			-	117	98391		
64	.47679	06003	57992		74	.47817	07681	02732	
+ 13	80697	70189			+ 13	79519	39502		
-	117	67742			-	118	01794		
65	.47692	86701	28181		75	.47830	87200	42234	
+ 13	80580	02447			+ 13	79401	37708		
-	117	71150			-	118	05198		
66	.47706	67281	30628		76	.47844	66601	79942	
+ 13	80462	31297			+ 13	79283	32510		
-	117	74556			-	118	08602		
67	.47720	47743	61925		77	.47858	45885	12452	
+ 13	80344	56741			+ 13	79165	23908		
-	117	77962			-	118	12004		
68	.47734	28088	18666		78	.47872	25050	36360	
+ 13	80226	78779			+ 13	79047	11904		
-	117	81366			-	118	15407		
69	.47748	08314	97445		79	.47886	04097	48264	
+ 13	80108	97413			+ 13	78928	96497		
-	117	84774			-	118	18809		

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

31^c	Sine.			31^c	Sine.				
80'	.47899	83026	44761	90'	.48037	65810	13969		
	+	13	78810	77688		+	13	77627	02527
	-		118	22212		-		118	56215
81	.47913	61837	22449	91	.48051	43437	16496		
	+	13	78692	55476		+	13	77508	46312
	-		118	25613		-		118	59616
82	.47927	40529	77925	92	.48065	20945	62808		
	+	13	78574	29863		+	13	77389	86696
	-		118	29015		-		118	63013
83	.47941	19104	07788	93	.48078	98335	49504		
	+	13	78456	00848		+	13	77271	23683
	-		118	32416		-		118	66412
84	.47954	97560	08636	94	.48092	75606	73187		
	+	13	78337	68432		+	13	77152	57271
	-		118	35817		-		118	69810
85	.47968	75897	77068	95	.48106	52759	30458		
	+	13	78219	32615		+	13	77033	87461
	-		118	39217		-		118	73207
86	.47982	54117	09683	96	.48120	29793	17919		
	+	13	78100	93398		+	13	76915	14254
	-		118	42617		-		118	76606
87	.47996	32218	03081	97	.48134	06708	32173		
	+	13	77982	50781		+	13	76796	37648
	-		118	46019		-		118	80001
88	.48010	10200	53862	98	.48147	83504	69821		
	+	13	77864	04762		+	13	76677	57647
	-		118	49417		-		118	83400
89	.48023	88064	58624	99	.48161	60182	27468		
	+	13	77745	55345		+	13	76558	74247
	-		118	52818		-		118	86795

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

32^c	Sine.			32^c	Sine.				
00'	.48175	36741	01715	10'	.48312	95785	10161		
	+	13	76439	87452		+	13	75249	32753
	-		118	90191		-		119	24137
01	.48189	13180	89167	11	.48326	71034	42914		
	+	13	76320	97261		+	13	75130	08616
	-		118	93588		-		119	27531
02	.48202	89501	86428	12	.48340	46164	51530		
	+	13	76202	03673		+	13	75010	81085
	-		118	96984		-		119	30923
03	.48216	65703	90101	13	.48354	21175	32615		
	+	13	76083	06689		+	13	74891	50162
	-		119	00378		-		119	34317
04	.48230	41786	96790	14	.48367	96066	82777		
	+	13	75964	06311		+	13	74772	15845
	-		119	03773		-		119	37707
05	.48244	17751	03101	15	.48381	70838	98622		
	+	13	75845	02538		+	13	74652	78138
	-		119	07169		-		119	41100
06	.48257	93596	05639	16	.48395	45491	76760		
	+	13	75725	95369		+	13	74533	37038
	-		119	10563		-		119	44492
07	.48271	69322	01008	17	.48409	20025	13798		
	+	13	75606	84806		+	13	74413	92546
	-		119	13957		-		119	47882
08	.48285	44928	85814	18	.48422	94439	06344		
	+	13	75487	70849		+	13	74294	44664
	-		119	17351		-		119	51274
09	.48299	20416	56663	19	.48436	68733	51008		
	+	13	75368	53498		+	13	74174	93390
	-		119	20745		-		119	54664

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

32^c	Sine.			32^c	Sine.		
20'	.48450	42908	44398	30'	.48587	78077	12461
	+	13	74055	38726		+	13
	-		119	58055		-	119
21	.48464	16963	83124	31	.48601	50935	18124
	+	13	73935	80671		+	13
	-		119	61444		-	119
22	.48477	90899	63795	32	.48615	23673	31847
	+	13	73816	19227		+	13
	-		119	64834		-	119
23	.48491	64715	83022	33	.48628	96291	50240
	+	13	73696	54393		+	13
	-		119	68224		-	120
24	.48505	38412	37415	34	.48642	68789	69918
	+	13	73576	86169		+	13
	-		119	71613		-	120
25	.48519	11989	23584	35	.48656	41167	87493
	+	13	73457	14556		+	13
	-		119	75002		-	120
26	.48532	85446	38140	36	.48670	13425	99581
	+	13	73337	39554		+	13
	-		119	78391		-	120
27	.48546	58783	77694	37	.48683	85564	02794
	+	13	73217	61163		+	13
	-		119	81778		-	120
28	.48560	32001	38857	38	.48697	57581	93747
	+	13	73097	79385		+	13
	-		119	85166		-	120
29	.48574	05099	18242	39	.48711	29479	69055
	+	13	72977	94219		+	13
	-		119	88556		-	120

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

32^c	Sine.			32^c	Sine.				
40'	.48725	01257	25332	50'	.48862	12414	96955		
	+	13	71657	33863		+	13	70453	23619
	-		120	25800		-		120	59628
41	.48738	72914	59195	51	.48875	82868	20574		
	+	13	71537	08063		+	13	70332	63991
	-		120	29183		-		120	63008
42	.48752	44451	67258	52	.48889	53200	84565		
	+	13	71416	78880		+	13	70212	00983
	-		120	32567		-		120	66389
43	.48766	15868	46138	53	.48903	23412	85548		
	+	13	71296	46313		+	13	70091	34594
	-		120	35951		-		120	69770
44	.48779	87164	92451	54	.48916	93504	20142		
	+	13	71176	10362		+	13	69970	64824
	-		120	39335		-		120	73151
45	.48793	58341	02813	55	.48930	63474	84966		
	+	13	71055	71027		+	13	69849	91673
	-		120	42716		-		120	76530
46	.48807	29396	73840	56	.48944	33324	76639		
	+	13	70935	28311		+	13	69729	15143
	-		120	46100		-		120	79909
47	.48821	00332	02151	57	.48958	03053	91782		
	+	13	70814	82211		+	13	69608	35234
	-		120	49483		-		120	83290
48	.48834	71146	84362	58	.48971	72662	27016		
	+	13	70694	32728		+	13	69487	51944
	-		120	52863		-		120	86667
49	.48848	41841	17090	59	.48985	42149	78960		
	+	13	70573	79865		+	13	69366	65277
	-		120	56246		-		120	90048

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

32^c	Sine.				32^c	Sine.			
60'	.48999	11516	44237		70'	.49135	98527	87060	
	+	13	69245	75229		+	13	68034	88992
	-		120	93426		-		121	27195
61	.49012	80762	19466		71	.49149	66562	76052	
	+	13	69124	81803		+	13	67913	61797
	-		120	96803		-		121	30568
62	.49026	49887	01269		72	.49163	34476	37849	
	+	13	69003	85000		+	13	67792	31229
	-		121	00182		-		121	33944
63	.49040	18890	86269		73	.49177	02268	69078	
	+	13	68882	84818		+	13	67670	97285
	-		121	03558		-		121	37319
64	.49053	87773	71087		74	.49190	69939	66363	
	+	13	68761	81260		+	13	67549	59966
	-		121	06938		-		121	40693
65	.49067	56535	52347		75	.49204	37489	26329	
	+	13	68640	74322		+	13	67428	19273
	-		121	10313		-		121	44066
66	.49081	25176	26669		76	.49218	04917	45602	
	+	13	68519	64009		+	13	67306	75207
	-		121	13689		-		121	47441
67	.49094	93695	90678		77	.49231	72224	20809	
	+	13	68398	50320		+	13	67185	27766
	-		121	17068		-		121	50814
68	.49108	62094	40998		78	.49245	39409	48575	
	+	13	68277	33252		+	13	67063	76952
	-		121	20442		-		121	54187
69	.49122	30371	74250		79	.49259	06473	25527	
	+	13	68156	12810		+	13	66942	22765
	-		121	23818		-		121	57560

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

32^c	Sine.				32^c	Sine.			
80'	.49272	73415	48292		90'	.49409	36145	53788	
	+	13	66820	65205		+	13	65603	04170
	-		121	60932		-		121	94642
81	.49286	40236	13497		91	.49423	01748	57958	
	+	13	66699	04273		+	13	65481	09528
	-		121	64305		-		121	98009
82	.49300	06935	17770		92	.49436	67229	67486	
	+	13	66577	39968		+	13	65359	11519
	-		121	67676		-		122	01380
83	.49313	73512	57738		93	.49450	32588	79005	
	+	13	66455	72292		+	13	65237	10139
	-		121	71048		-		122	04746
84	.49327	39968	30030		94	.49463	97825	89144	
	+	13	66334	01244		+	13	65115	05393
	-		121	74420		-		122	08117
85	.49341	06302	31274		95	.49477	62940	94537	
	+	13	66212	26824		+	13	64992	97276
	-		121	77789		-		122	11483
86	.49354	72514	58098		96	.49491	27933	91813	
	+	13	66090	49035		+	13	64870	85793
	-		121	81162		-		122	14851
87	.49368	38605	07133		97	.49504	92804	77606	
	+	13	65968	67873		+	13	64748	70942
	-		121	84531		-		122	18219
88	.49382	04573	75006		98	.49518	57553	48548	
	+	13	65846	83342		+	13	64626	52723
	-		121	87902		-		122	21586
89	.49395	70420	58348		99	.49532	22180	01271	
	+	13	65724	95440		+	13	64504	31137
	-		121	91270		-		122	24953

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

33^c	Sine.			33^c	Sine.				
00'	.49545	86684	32408	10'	.49682	24998	16015		
	+	13	64382	06184		+	13	63157	71551
	-		122	28319		-		122	61966
01	.49559	51066	38592	11	.49695	88155	87566		
	+	13	64259	77865		+	13	63035	09585
	-		122	31685		-		122	65331
02	.49573	15326	16457	12	.49709	51190	97151		
	+	13	64137	46180		+	13	62912	44254
	-		122	35051		-		122	68693
03	.49586	79463	62637	13	.49723	14103	41405		
	+	13	64015	11129		+	13	62789	75561
	-		122	38417		-		122	72056
04	.49600	43478	73766	14	.49736	76893	16966		
	+	13	63892	72712		+	13	62667	03505
	-		122	41782		-		122	75418
05	.49614	07371	46478	15	.49750	39560	20471		
	+	13	63770	30930		+	13	62544	28087
	-		122	45146		-		122	78780
06	.49627	71141	77408	16	.49764	02104	48558		
	+	13	63647	85784		+	13	62421	49307
	-		122	48513		-		122	82142
07	.49641	34789	63192	17	.49777	64525	97865		
	+	13	63525	37271		+	13	62298	67165
	-		122	51875		-		122	85503
08	.49654	98315	00463	18	.49791	26824	65030		
	+	13	63402	85396		+	13	62175	81662
	-		122	55240		-		122	88863
09	.49668	61717	85859	19	.49804	89000	46692		
	+	13	63280	30156		+	13	62052	92799
	-		122	58605		-		122	92226

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

33^c	Sine.				33^c	Sine.			
20'	.49818	51053	39491		30'	.49954	64816	40743	
	+	13	61930	00573		+	13	60698	93553
	-		122	95584		-		123	29173
21	.49832	12983	40064		31	.49968	25515	34296	
	+	13	61807	04989		+	13	60575	64380
	-		122	98946		-		123	32530
22	.49845	74790	45053		32	.49981	86090	98676	
	+	13	61684	06043		+	13	60452	31850
	-		123	02305		-		123	35887
23	.49859	36474	51096		33	.49995	46543	30526	
	+	13	61561	03738		+	13	60328	95963
	-		123	05665		-		123	39242
24	.49872	98035	54834		34	.50009	06872	26489	
	+	13	61437	98073		+	13	60205	56721
	-		123	09023		-		123	42600
25	.49886	59473	52907		35	.50022	67077	83210	
	+	13	61314	89050		+	13	60082	14121
	-		123	12383		-		123	45955
26	.49900	20788	41957		36	.50036	27159	97331	
	+	13	61191	76667		+	13	59958	68166
	-		123	15742		-		123	49311
27	.49913	81980	18624		37	.50049	87118	65497	
	+	13	61068	60925		+	13	59835	18855
	-		123	19099		-		123	52666
28	.49927	43048	79549		38	.50063	46953	84352	
	+	13	60945	41826		+	13	59711	66189
	-		123	22458		-		123	56020
29	.49941	03994	21375		39	.50077	06665	50541	
	+	13	60822	19368		+	13	59588	10169
	-		123	25815		-		123	59376

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

33^c	Sine.				33^c	Sine.			
40'	.50090	66253	60710		50'	.50226	55331	43373	
	+	13	59464	50793		+	13	58226	72598
	-		123	62730		-		123	96256
41	.50104	25718	11503		51	.50240	13558	15971	
	+	13	59340	88063		+	13	58102	76342
	-		123	66084		-		123	99607
42	.50117	85058	99566		52	.50253	71660	92313	
	+	13	59217	21979		+	13	57978	76735
	-		123	69438		-		124	02959
43	.50131	44276	21545		53	.50267	29639	69048	
	+	13	59093	52541		+	13	57854	73776
	-		123	72791		-		124	06308
44	.50145	03369	74086		54	.50280	87494	42824	
	+	13	58969	79750		+	13	57730	67468
	-		123	76144		-		124	09659
45	.50158	62339	53836		55	.50294	45225	10292	
	+	13	58846	03606		+	13	57606	57809
	-		123	79497		-		124	13008
46	.50172	21185	57442		56	.50308	02831	68101	
	+	13	58722	24109		+	13	57482	44801
	-		123	82849		-		124	16358
47	.50185	79907	81551		57	.50321	60314	12902	
	+	13	58598	41260		+	13	57358	28443
	-		123	86202		-		124	19707
48	.50199	38506	22811		58	.50335	17672	41345	
	+	13	58474	55058		+	13	57234	08736
	-		123	89554		-		124	23056
49	.50212	96980	77869		59	.50348	74906	50081	
	+	13	58350	65504		+	13	57109	85680
	-		123	92906		-		124	26405

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

33^c	Sine.				33^c	Sine.			
60'	.50362	32016	35761		70'	.50497	96274	87963	
	+	13	56985	59275		+	13	55741	11130
	-		124	29752		-		124	63219
61	.50375	89001	95036		71	.50511	52015	99093	
	+	13	56861	29523		+	13	55616	47911
	-		124	33100		-		124	66562
62	.50389	45863	24559		72	.50525	07632	47004	
	+	13	56736	96423		+	13	55491	81349
	-		124	36449		-		124	69907
63	.50403	02600	20982		73	.50538	63124	28353	
	+	13	56612	59974		+	13	55367	11442
	-		124	39795		-		124	73252
64	.50416	59212	80956		74	.50552	18491	39795	
	+	13	56488	20179		+	13	55242	38190
	-		124	43143		-		124	76596
65	.50430	15701	01135		75	.50565	73733	77985	
	+	13	56363	77036		+	13	55117	61594
	-		124	46488		-		124	79939
66	.50443	72064	78171		76	.50579	28851	39579	
	+	13	56239	30548		+	13	54992	81655
	-		124	49837		-		124	83282
67	.50457	28304	08719		77	.50592	83844	21234	
	+	13	56114	80711		+	13	54867	98373
	-		124	53181		-		124	86626
68	.50470	84418	89430		78	.50606	38712	19607	
	+	13	55990	27530		+	13	54743	11747
	-		124	56527		-		124	89968
69	.50484	40409	16960		79	.50619	93455	31354	
	+	13	55865	71003		+	13	54618	21779
	-		124	59873		-		124	93311

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

33^c	Sine.				33^c	Sine.			
80'	.50633	48073	53133		90'	.50768	87378	87498	
	+	13	54493	28468		+	13	53242	11599
	-		124	96652		-		125	30056
81	.50647	02566	81601		91	.50782	40620	99097	
	+	13	54368	31816		+	13	53116	81543
	-		124	99995		-		125	33395
82	.50660	56935	13417		92	.50795	93737	80640	
	+	13	54243	31821		+	13	52991	48148
	-		125	03336		-		125	36734
83	.50674	11178	45238		93	.50809	46729	28788	
	+	13	54118	28485		+	13	52866	11414
	-		125	06677		-		125	40072
84	.50687	65296	73723		94	.50822	99595	40202	
	+	13	53993	21808		+	13	52740	71342
	-		125	10017		-		125	43409
85	.50701	19289	95531		95	.50836	52336	11544	
	+	13	53868	11791		+	13	52615	27933
	-		125	13359		-		125	46747
86	.50714	73158	07322		96	.50850	04951	39477	
	+	13	53742	98432		+	13	52489	81186
	-		125	16699		-		125	50084
87	.50728	26901	05754		97	.50863	57441	20663	
	+	13	53617	81733		+	13	52364	31102
	-		125	20038		-		125	53420
88	.50741	80518	87487		98	.50877	09805	51765	
	+	13	53492	61695		+	13	52238	77682
	-		125	23379		-		125	56758
89	.50755	34011	49182		99	.50890	62044	29447	
	+	13	53367	38316		+	13	52113	20924
	-		125	26717		-		125	60093

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

34^c	Sine.				34^c	Sine.			
00'	.50904	14157	50371		10'	.51039	28376	04153	
	+ 13	51987	60831			+ 13	50729	76473	
	-	125	63429			-	125	96771	
01	.50917	66145	11202		11	.51052	79105	80626	
	+ 13	51861	97402			+ 13	50603	79702	
	-	125	66766			-	126	00104	
02	.50931	18007	08604		12	.51066	29709	60328	
	+ 13	51736	30636			+ 13	50477	79598	
	-	125	70100			-	126	03436	
03	.50944	69743	39240		13	.51079	80187	39926	
	+ 13	51610	60536			+ 13	50351	76162	
	-	125	73434			-	126	06767	
04	.50958	21353	99776		14	.51093	30539	16088	
	+ 13	51484	87102			+ 13	50225	69395	
	-	125	76771			-	126	10100	
05	.50971	72838	86878		15	.51106	80764	85483	
	+ 13	51359	10331			+ 13	50099	59295	
	-	125	80104			-	126	13431	
06	.50985	24197	97209		16	.51120	30864	44778	
	+ 13	51233	30227			+ 13	49973	45864	
	-	125	83438			-	126	16761	
07	.50998	75431	27436		17	.51133	80837	90642	
	+ 13	51107	46789			+ 13	49847	29103	
	-	125	86772			-	126	20092	
08	.51012	26538	74225		18	.51147	30685	19745	
	+ 13	50981	60017			+ 13	49721	09011	
	-	125	90106			-	126	23422	
09	.51025	77520	34242		19	.51160	80406	28756	
	+ 13	50855	69911			+ 13	49594	85589	
	-	125	93438			-	126	26753	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

34^c	Sine.				34^c	Sine.			
20'	.51174	30001	14345		30'	.51309	18999	49555	
	+	13	49468	58836		+	13	48204	08231
	-		126	30082		-		126	63361
21	.51187	79469	73181		31	.51322	67203	57786	
	+	13	49342	28754		+	13	48077	44870
	-		126	33411		-		126	66689
22	.51201	28812	01935		32	.51336	15281	02656	
	+	13	49215	95343		+	13	47950	78181
	-		126	36741		-		126	70013
23	.51214	78027	97278		33	.51349	63231	80837	
	+	13	49089	58602		+	13	47824	08168
	-		126	40069		-		126	73340
24	.51228	27117	55880		34	.51363	11055	89005	
	+	13	48963	18533		+	13	47697	34828
	-		126	43398		-		126	76664
25	.51241	76080	74413		35	.51376	58753	23833	
	+	13	48836	75135		+	13	47570	58164
	-		126	46725		-		126	79991
26	.51255	24917	49548		36	.51390	06323	81997	
	+	13	48710	28410		+	13	47443	78173
	-		126	50054		-		126	83314
27	.51268	73627	77958		37	.51403	53767	60170	
	+	13	48583	78356		+	13	47316	94859
	-		126	53382		-		126	86639
28	.51282	22211	56314		38	.51417	01084	55029	
	+	13	48457	24974		+	13	47190	08220
	-		126	56707		-		126	89963
29	.51295	70668	81288		39	.51430	48274	63249	
	+	13	48330	68267		+	13	47063	18257
	-		126	60036		-		126	93286

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

34^c	Sine.			34^c	Sine.				
40'	.51443	95337	81506	50'	.51578	58982	85047		
	+	13	46936	24971		+	13	45665	09367
	-		126	96611		-		127	29828
41	.51457	42274	06477	51	.51592	04647	94414		
	+	13	46809	28360		+	13	45537	79539
	-		126	99933		-		127	33146
42	.51470	89083	34837	52	.51605	50185	73953		
	+	13	46682	28427		+	13	45410	46393
	-		127	03255		-		127	36468
43	.51484	35765	63264	53	.51618	95596	20346		
	+	13	46555	25172		+	13	45283	09925
	-		127	06580		-		127	39786
44	.51497	82320	88436	54	.51632	40879	30271		
	+	13	46428	18592		+	13	45155	70139
	-		127	09900		-		127	43105
45	.51511	28749	07028	55	.51645	86035	00410		
	+	13	46301	08692		+	13	45028	27034
	-		127	13223		-		127	46424
46	.51524	75050	15720	56	.51659	31063	27444		
	+	13	46173	95469		+	13	44900	80610
	-		127	16544		-		127	49743
47	.51538	21224	11189	57	.51672	75964	08054		
	+	13	46046	78925		+	13	44773	30867
	-		127	19865		-		127	53060
48	.51551	67270	90114	58	.51686	20737	38921		
	+	13	45919	59060		+	13	44645	77807
	-		127	23187		-		127	56378
49	.51565	13190	49174	59	.51699	65383	16728		
	+	13	45792	35873		+	13	44518	21429
	-		127	26506		-		127	59696

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

34^c	Sine.			34^c	Sine.				
60'	.51713	09901	38157	70'	.51847	48060	21955		
	+	13	44390	61733		+	13	43112	82385
	-		127	63012		-		127	96167
61	.51726	54291	99890	71	.51860	91173	04340		
	+	13	44262	98721		+	13	42984	86218
	-		127	66331		-		127	99482
62	.51739	98554	98611	72	.51874	34157	90558		
	+	13	44135	32390		+	13	42856	86736
	-		127	69646		-		128	02793
63	.51753	42690	31001	73	.51887	77014	77294		
	+	13	44007	62744		+	13	42728	83943
	-		127	72962		-		128	06107
64	.51766	86697	93745	74	.51901	19743	61237		
	+	13	43879	89782		+	13	42600	77836
	-		127	76278		-		128	09420
65	.51780	30577	83527	75	.51914	62344	39073		
	+	13	43752	13504		+	13	42472	68416
	-		127	79594		-		128	12733
66	.51793	74329	97031	76	.51928	04817	07489		
	+	13	43624	33910		+	13	42344	55683
	-		127	82910		-		128	16044
67	.51807	17954	30941	77	.51941	47161	63172		
	+	13	43496	51000		+	13	42216	39639
	-		127	86223		-		128	19356
68	.51820	61450	81941	78	.51954	89378	02811		
	+	13	43368	64777		+	13	42088	20283
	-		127	89540		-		128	22668
69	.51834	04819	46718	79	.51968	31466	23094		
	+	13	43240	75237		+	13	41959	97615
	-		127	92852		-		128	25978

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

34^c	Sine.			34^c	Sine.				
80'	.51981	73426	20709	90'	.52115	85966	21844		
	+	13	41831	71637		+	13	40547	29805
	-		128	29290		-		128	62381
81	.51995	15257	92346	91	.52129	26513	51649		
	+	13	41703	42347		+	13	40418	67424
	-		128	32601		-		128	65688
82	.52008	56961	34693	92	.52142	66932	19073		
	+	13	41575	09746		+	13	40290	01736
	-		128	35909		-		128	68995
83	.52021	98536	44439	93	.52156	07222	20809		
	+	13	41446	73837		+	13	40161	32741
	-		128	39221		-		128	72301
84	.52035	39983	18276	94	.52169	47383	53550		
	+	13	41318	34616		+	13	40032	60440
	-		128	42530		-		128	75609
85	.52048	81301	52892	95	.52182	87416	13990		
	+	13	41189	92086		+	13	39903	84831
	-		128	45839		-		128	78914
86	.52062	22491	44978	96	.52196	27319	98821		
	+	13	41061	46247		+	13	39775	05917
	-		128	49148		-		128	82219
87	.52075	63552	91225	97	.52209	67095	04738		
	+	13	40932	97099		+	13	39646	23698
	-		128	52456		-		128	85527
88	.52089	04485	88324	98	.52223	06741	28436		
	+	13	40804	44643		+	13	39517	38171
	-		128	55766		-		128	88829
89	.52102	45290	32967	99	.52236	46258	66607		
	+	13	40675	88877		+	13	39388	49342
	-		128	59072		-		128	92136

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

35^c	Sine.			35^c	Sine.				
00'	.52249	85647	15949	10'	.52383	72435	96785		
	+	13	39259	57206		+	13	37968	54159
	-		128	95440		-		129	28468
01	.52263	24906	73155	11	.52397	10404	50944		
	+	13	39130	61766		+	13	37839	25691
	-		128	98743		-		129	31768
02	.52276	64037	34921	12	.52410	48243	76635		
	+	13	39001	63023		+	13	37709	93923
	-		129	02049		-		129	35069
03	.52290	03038	97944	13	.52423	85953	70558		
	+	13	38872	60974		+	13	37580	58854
	-		129	05351		-		129	38368
04	.52303	41911	58918	14	.52437	23534	29412		
	+	13	38743	55623		+	13	37451	20486
	-		129	08654		-		129	41670
05	.52316	80655	14541	15	.52450	60985	49898		
	+	13	38614	46969		+	13	37321	78816
	-		129	11958		-		129	44969
06	.52330	19269	61510	16	.52463	98307	28714		
	+	13	38485	35011		+	13	37192	33847
	-		129	15260		-		129	48269
07	.52343	57754	96521	17	.52477	35499	62561		
	+	13	38356	19751		+	13	37062	85578
	-		129	18562		-		129	51566
08	.52356	96111	16272	18	.52490	72562	48139		
	+	13	38227	01189		+	13	36933	34012
	-		129	21865		-		129	54867
09	.52370	34338	17461	19	.52504	09495	82151		
	+	13	38097	79324		+	13	36803	79145
	-		129	25165		-		129	58165

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

35^c	Sine.			35^c	Sine.		
20'	.52517	46299	61296	30'	.52651	07205	09613
	+	13	36674	20980		+	13
	-		129	61462		-	129
21	.52530	82973	82276	31	.52664	42581	67605
	+	13	36544	59518		+	13
	-		129	64760		-	129
22	.52544	19518	41794	32	.52677	77828	31170
	+	13	36414	94758		+	13
	-		129	68059		-	130
23	.52557	55933	36552	33	.52691	12944	97014
	+	13	36285	26699		+	13
	-		129	71355		-	130
24	.52570	92218	63251	34	.52704	47931	61844
	+	13	36155	55344		+	13
	-		129	74651		-	130
25	.52584	28374	18595	35	.52717	82788	22365
	+	13	36025	80693		+	13
	-		129	77949		-	130
26	.52597	64399	99288	36	.52731	17514	75282
	+	13	35896	02744		+	13
	-		129	81245		-	130
27	.52611	00296	02032	37	.52744	52111	17304
	+	13	35766	21499		+	13
	-		129	84540		-	130
28	.52624	36062	23531	38	.52757	86577	45137
	+	13	35636	36959		+	13
	-		129	87836		-	130
29	.52637	71698	60490	39	.52771	20913	55489
	+	13	35506	49123		+	13
	-		129	91131		-	130

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

35^c	Sine.			35^c	Sine.		
40'	.52784	55119	45066	50'	.52917	90009	74191
	+	13	34075	65512		+	13
	-		130	27358		-	130
41	.52797	89195	10578	51	.52931	22781	18052
	+	13	33945	38154		+	13
	-		130	30649		-	130
42	.52811	23140	48732	52	.52944	55422	01657
	+	13	33815	07505		+	13
	-		130	33940		-	130
43	.52824	56955	56237	53	.52957	87932	21717
	+	13	33684	73565		+	13
	-		130	37231		-	130
44	.52837	90640	29802	54	.52971	20311	74944
	+	13	33554	36334		+	13
	-		130	40521		-	130
45	.52851	24194	66136	55	.52984	52560	58050
	+	13	33423	95813		+	13
	-		130	43812		-	130
46	.52864	57618	61949	56	.52997	84678	67749
	+	13	33293	52001		+	13
	-		130	47100		-	130
47	.52877	90912	13950	57	.53011	16666	00753
	+	13	33163	04901		+	13
	-		130	50392		-	130
48	.52891	24075	18851	58	.53024	48522	53776
	+	13	33032	54509		+	13
	-		130	53678		-	130
49	.52904	57107	73360	59	.53037	80248	23531
	+	13	32902	00831		+	13
	-		130	56970		-	130

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

35^c	Sine.				35^c	Sine.			
60'	.53051	11843	06734		70'	.53184	20586	55667	
	+	13	31463	93364		+	13	30153	14340
	-		130	93124		-		131	25958
61	.53064	43307	00098		71	.53197	50739	70007	
	+	13	31333	00240		+	13	30021	88382
	-		130	96410		-		131	29241
62	.53077	74640	00338		72	.53210	80761	58389	
	+	13	31202	03830		+	13	29890	59141
	-		130	99692		-		131	32522
63	.53091	05842	04168		73	.53224	10652	17530	
	+	13	31071	04138		+	13	29759	26619
	-		131	02979		-		131	35803
64	.53104	36913	08306		74	.53237	40411	44149	
	+	13	30940	01159		+	13	29627	90816
	-		131	06261		-		131	39083
65	.53117	67853	09465		75	.53250	70039	34965	
	+	13	30808	94898		+	13	29496	51733
	-		131	09546		-		131	42365
66	.53130	98662	04363		76	.53263	99535	86698	
	+	13	30677	85352		+	13	29365	09368
	-		131	12829		-		131	45643
67	.53144	29339	89715		77	.53277	28900	96066	
	+	13	30546	72523		+	13	29233	63725
	-		131	16111		-		131	48925
68	.53157	59886	62238		78	.53290	58134	59791	
	+	13	30415	56412		+	13	29102	14800
	-		131	19395		-		131	52202
69	.53170	90302	18650		79	.53303	87236	74591	
	+	13	30284	37017		+	13	28970	62598
	-		131	22677		-		131	55484

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

35^c	Sine.			35^c	Sine.		
80'	.53317	16207	37189	90'	.53449	98672	70737
	+	13	28839	07114		+	13
	-		131	58760		-	131
81	.53330	45046	44303	91	.53463	26194	42749
	+	13	28707	48354		+	13
	-		131	62040		-	131
82	.53343	73753	92657	92	.53476	53584	23229
	+	13	28575	86314		+	13
	-		131	65318		-	131
83	.53357	02329	78971	93	.53489	80842	08903
	+	13	28444	20996		+	13
	-		131	68595		-	132
84	.53370	30773	99967	94	.53503	07967	96496
	+	13	28312	52401		+	13
	-		131	71873		-	132
85	.53383	59086	52368	95	.53516	34961	82733
	+	13	28180	80528		+	13
	-		131	75151		-	132
86	.53396	87267	32896	96	.53529	61823	64341
	+	13	28049	05377		+	13
	-		131	78427		-	132
87	.53410	15316	38273	97	.53542	88553	38044
	+	13	27917	26950		+	13
	-		131	81703		-	132
88	.53423	43233	65223	98	.53556	15151	00570
	+	13	27785	45247		+	13
	-		131	84980		-	132
89	.53436	71019	10470	99	.53569	41616	48645
	+	13	27653	60267		+	13
	-		131	88255		-	132

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

36^c	Sine.			36^c	Sine.				
00'	.53582	67949	78997	10'	.53715	24005	87904		
	+	13	26201	09355		+	13	24877	19473
	-		132	24268		-		132	56974
01	.53595	94150	88352	11	.53728	48883	07377		
	+	13	26068	85087		+	13	24744	62499
	-		132	27541		-		132	60242
02	.53609	20219	73439	12	.53741	73627	69876		
	+	13	25936	57546		+	13	24612	02257
	-		132	30811		-		132	63510
03	.53622	46156	30985	13	.53754	98239	72133		
	+	13	25804	26735		+	13	24479	38747
	-		132	34084		-		132	66778
04	.53635	71960	57720	14	.53768	22719	10880		
	+	13	25671	92651		+	13	24346	71969
	-		132	37354		-		132	70047
05	.53648	97632	50371	15	.53781	47065	82849		
	+	13	25539	55297		+	13	24214	01922
	-		132	40625		-		132	73312
06	.53662	23172	05668	16	.53794	71279	84771		
	+	13	25407	14672		+	13	24081	28610
	-		132	43896		-		132	76581
07	.53675	48579	20340	17	.53807	95361	13381		
	+	13	25274	70776		+	13	23948	52029
	-		132	47164		-		132	79847
08	.53688	73853	91116	18	.53821	19309	65410		
	+	13	25142	23612		+	13	23815	72182
	-		132	50436		-		132	83114
09	.53701	98996	14728	19	.53834	43125	37592		
	+	13	25009	73176		+	13	23682	89068
	-		132	53703		-		132	86379

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

36^c	Sine.			36^c	Sine.				
20'	.53847	66808	26660	30'	.53979	96324	27735		
	+	13	23550	02689		+	13	22219	59332
	-		132	89645		-		133	22283
21	.53860	90358	29349	31	.53993	18543	87067		
	+	13	23417	13044		+	13	22086	37049
	-		132	92911		-		133	25548
22	.53874	13775	42393	32	.54006	40630	24116		
	+	13	23284	20133		+	13	21953	11501
	-		132	96176		-		133	28807
23	.53887	37059	62526	33	.54019	62583	35617		
	+	13	23151	23957		+	13	21819	82694
	-		132	99440		-		133	32071
24	.53900	60210	86483	34	.54032	84403	18311		
	+	13	23018	24517		+	13	21686	50623
	-		133	02705		-		133	35330
25	.53913	83229	11000	35	.54046	06089	68934		
	+	13	22885	21812		+	13	21553	15293
	-		133	05969		-		133	38592
26	.53927	06114	32812	36	.54059	27642	84227		
	+	13	22752	15843		+	13	21419	76701
	-		133	09232		-		133	41853
27	.53940	28866	48655	37	.54072	49062	60928		
	+	13	22619	06611		+	13	21286	34848
	-		133	12497		-		133	45112
28	.53953	51485	55266	38	.54085	70348	95776		
	+	13	22485	94114		+	13	21152	89736
	-		133	15759		-		133	48372
29	.53966	73971	49380	39	.54098	91501	85512		
	+	13	22352	78355		+	13	21019	41364
	-		133	19023		-		133	51632

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

36^c	Sine.				36^c	Sine.			
40'	.54112	12521	26876		50'	.54244	15366	63119	
	+	13	20885	89732		+	13	19548	94216
	-		133	54891		-		133	87465
41	.54125	33407	16608		51	.54257	34915	57335	
	+	13	20752	34841		+	13	19415	06751
	-		133	58149		-		133	90719
42	.54138	54159	51449		52	.54270	54330	64086	
	+	13	20618	76692		+	13	19281	16032
	-		133	61409		-		133	93975
43	.54151	74778	28141		53	.54283	73611	80118	
	+	13	20485	15283		+	13	19147	22057
	-		133	64666		-		133	97230
44	.54164	95263	43424		54	.54296	92759	02175	
	+	13	20351	50617		+	13	19013	24827
	-		133	67924		-		134	00484
45	.54178	15614	94041		55	.54310	11772	27002	
	+	13	20217	82693		+	13	18879	24343
	-		133	71182		-		134	03739
46	.54191	35832	76734		56	.54323	30651	51345	
	+	13	20084	11511		+	13	18745	20604
	-		133	74438		-		134	06992
47	.54204	55916	88245		57	.54336	49396	71949	
	+	13	19950	37073		+	13	18611	13612
	-		133	77697		-		134	10247
48	.54217	75867	25318		58	.54349	68007	85561	
	+	13	19816	59376		+	13	18477	03365
	-		133	80951		-		134	13499
49	.54230	95683	84694		59	.54362	86484	88926	
	+	13	19682	78425		+	13	18342	89866
	-		133	84209		-		134	16751

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

36^c	Sine.			36^c	Sine.				
60'	.54376	04827	78792	70'	.54507	80872	19529		
	+	13	18208	73115		+	13	16865	26757
	-		134	20006		-		134	52511
61	.54389	23036	51907	71	.54520	97737	46286		
	+	13	18074	53109		+	13	16730	74246
	-		134	23256		-		134	55761
62	.54402	41111	05016	72	.54534	14468	20532		
	+	13	17940	29853		+	13	16596	18485
	-		134	26509		-		134	59010
63	.54415	59051	34869	73	.54547	31064	39017		
	+	13	17806	03344		+	13	16461	59475
	-		134	29760		-		134	62257
64	.54428	76857	38213	74	.54560	47525	98492		
	+	13	17671	73584		+	13	16326	97218
	-		134	33012		-		134	65506
65	.54441	94529	11797	75	.54573	63852	95710		
	+	13	17537	40572		+	13	16192	31712
	-		134	36263		-		134	68753
66	.54455	12066	52369	76	.54586	80045	27422		
	+	13	17403	04309		+	13	16057	62959
	-		134	39512		-		134	72000
67	.54468	29469	56678	77	.54599	96102	90381		
	+	13	17268	64797		+	13	15922	90959
	-		134	42764		-		134	75248
68	.54481	46738	21475	78	.54613	12025	81340		
	+	13	17134	22033		+	13	15788	15711
	-		134	46012		-		134	78493
69	.54494	63872	43508	79	.54626	27813	97051		
	+	13	16999	76021		+	13	15653	37218
	-		134	49264		-		134	81740

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

36^c	Sine.			36^c	Sine.		
80'	.54639	43467	34269	90'	.54770	92580	75274
	+	13	15518	55478		+	13
	-		134	84987		-	135
81	.54652	58985	89747	91	.54784	06749	34881
	+	13	15383	70491		+	13
	-		134	88231		-	135
82	.54665	74369	60238	92	.54797	20782	77060
	+	13	15248	82260		+	13
	-		134	91477		-	135
83	.54678	89618	42498	93	.54810	34680	98571
	+	13	15113	90783		+	13
	-		134	94721		-	135
84	.54692	04732	33281	94	.54823	48443	96170
	+	13	14978	96062		+	13
	-		134	97967		-	135
85	.54705	19711	29343	95	.54836	62071	66617
	+	13	14843	98095		+	13
	-		135	01211		-	135
86	.54718	34555	27438	96	.54849	75564	06670
	+	13	14708	96884		+	13
	-		135	04454		-	135
87	.54731	49264	24322	97	.54862	88921	13089
	+	13	14573	92430		+	13
	-		135	07698		-	135
88	.54744	63838	16752	98	.54876	02142	82632
	+	13	14438	84732		+	13
	-		135	10942		-	135
89	.54757	78277	01484	99	.54889	15229	12060
	+	13	14303	73790		+	13
	-		135	14183		-	135

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

37^c	Sine.			37^c	Sine.				
00'	.54902	28179	98132	10'	.55033	50232	61762		
	+	13	12815	39477		+	13	11458	95424
	-		135	49834		-		135	82208
01	.54915	40995	37609	11	.55046	61691	57186		
	+	13	12679	89643		+	13	11323	13216
	-		135	53074		-		135	85445
02	.54928	53675	27252	12	.55059	73014	70402		
	+	13	12544	36569		+	13	11187	27771
	-		135	56311		-		135	88678
03	.54941	66219	63821	13	.55072	84201	98173		
	+	13	12408	80258		+	13	11051	39093
	-		135	59550		-		135	91915
04	.54954	78628	44079	14	.55085	95253	37266		
	+	13	12273	20708		+	13	10915	47178
	-		135	62788		-		135	95148
05	.54967	90901	64787	15	.55099	06168	84444		
	+	13	12137	57920		+	13	10779	52030
	-		135	66025		-		135	98382
06	.54981	03039	22707	16	.55112	16948	36474		
	+	13	12001	91895		+	13	10643	53648
	-		135	69263		-		136	01618
07	.54994	15041	14602	17	.55125	27591	90122		
	+	13	11866	22632		+	13	10507	52030
	-		135	72500		-		136	04849
08	.55007	26907	37234	18	.55138	38099	42152		
	+	13	11730	50132		+	13	10371	47181
	-		135	75736		-		136	08084
09	.55020	38637	87366	19	.55151	48470	89333		
	+	13	11594	74396		+	13	10235	39097
	-		135	78972		-		136	11316

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

37^c	Sine.			37^c	Sine.				
20'	.55164	58706	28430	30'	.55295	53568	63750		
	+	13	10099	27781		+	13	08736	36884
	-		136	14549		-		136	46856
21	.55177	68805	56211	31	.55308	62305	00634		
	+	13	09963	13232		+	13	08599	90028
	-		136	17781		-		136	50084
22	.55190	78768	69443	32	.55321	70904	90662		
	+	13	09826	95451		+	13	08463	39944
	-		136	21012		-		136	53313
23	.55203	88595	64894	33	.55334	79368	30606		
	+	13	09690	74439		+	13	08326	86631
	-		136	24245		-		136	56541
24	.55216	98286	39333	34	.55347	87695	17237		
	+	13	09554	50194		+	13	08190	30090
	-		136	27476		-		136	59770
25	.55230	07840	89527	35	.55360	95885	47327		
	+	13	09418	22718		+	13	08053	70320
	-		136	30706		-		136	62996
26	.55243	17259	12245	36	.55374	03939	17647		
	+	13	09281	92012		+	13	07917	07324
	-		136	33937		-		136	66223
27	.55256	26541	04257	37	.55387	11856	24971		
	+	13	09145	58075		+	13	07780	41101
	-		136	37168		-		136	69452
28	.55269	35686	62332	38	.55400	19636	66072		
	+	13	09009	20907		+	13	07643	71649
	-		136	40396		-		136	72676
29	.55282	44695	83239	39	.55413	27280	37721		
	+	13	08872	80511		+	13	07506	98973
	-		136	43627		-		136	75903

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

37^c	Sine.			37^c	Sine.				
40'	.55426	34787	36694	50'	.55557	02330	19602		
	+	13	07370	23070		+	13	06000	86675
	-		136	79130		-		137	11369
41	.55439	42157	59764	51	.55570	08331	06277		
	+	13	07233	43940		+	13	05863	75306
	-		136	82353		-		137	14591
42	.55452	49391	03704	52	.55583	14194	81583		
	+	13	07096	61587		+	13	05726	60715
	-		136	85581		-		137	17811
43	.55465	56487	65291	53	.55596	19921	42298		
	+	13	06959	76006		+	13	05589	42904
	-		136	88803		-		137	21035
44	.55478	63447	41297	54	.55609	25510	85202		
	+	13	06822	87203		+	13	05452	21869
	-		136	92030		-		137	24254
45	.55491	70270	28500	55	.55622	30963	07071		
	+	13	06685	95173		+	13	05314	97615
	-		136	95252		-		137	27476
46	.55504	76956	23673	56	.55635	36278	04686		
	+	13	06548	99921		+	13	05177	70139
	-		136	98477		-		137	30695
47	.55517	83505	23594	57	.55648	41455	74825		
	+	13	06412	01444		+	13	05040	39444
	-		137	01700		-		137	33917
48	.55530	89917	25038	58	.55661	46496	14269		
	+	13	06274	99744		+	13	04903	05527
	-		137	04924		-		137	37135
49	.55543	96192	24782	59	.55674	51399	19796		
	+	13	06137	94820		+	13	04765	68392
	-		137	08145		-		137	40355

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

37^c	Sine.			37^c	Sine.				
60'	.55687	56164	88188	70'	.55817	96259	21547		
	+	13	04628	28037		+	13	03252	47495
	-		137	43575		-		137	75746
61	.55700	60793	16225	71	.55830	99511	69042		
	+	13	04490	84462		+	13	03114	71749
	-		137	46792		-		137	78961
62	.55713	65284	00687	72	.55844	02626	40791		
	+	13	04353	37670		+	13	02976	92788
	-		137	50011		-		137	82176
63	.55726	69637	38357	73	.55857	05603	33579		
	+	13	04215	87659		+	13	02839	10612
	-		137	53230		-		137	85391
64	.55739	73853	26016	74	.55870	08442	44191		
	+	13	04078	34429		+	13	02701	25221
	-		137	56446		-		137	88605
65	.55752	77931	60445	75	.55883	11143	69412		
	+	13	03940	77983		+	13	02563	36616
	-		137	59665		-		137	91820
66	.55765	81872	38428	76	.55896	13707	06028		
	+	13	03803	18318		+	13	02425	44796
	-		137	62881		-		137	95031
67	.55778	85675	56746	77	.55909	16132	50824		
	+	13	03665	55437		+	13	02287	49765
	-		137	66098		-		137	98247
68	.55791	89341	12183	78	.55922	18420	00589		
	+	13	03527	89339		+	13	02149	51518
	-		137	69314		-		138	01458
69	.55804	92869	01522	79	.55935	20569	52107		
	+	13	03390	20025		+	13	02011	50060
	-		137	72530		-		138	04672

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

37^c	Sine.			37^c	Sine.				
80'	.55948	22581	02167	90'	.56078	35098	15931		
	+	13	01873	45388		+	13	00491	22058
	-		138	07883		-		138	39988
81	.55961	24454	47555	91	.56091	35589	37989		
	+	13	01735	37505		+	13	00352	82070
	-		138	11096		-		138	43196
82	.55974	26189	85060	92	.56104	35942	20059		
	+	13	01597	26409		+	13	00214	38874
	-		138	14307		-		138	46403
83	.55987	27787	11469	93	.56117	36156	58933		
	+	13	01459	12102		+	13	00075	92471
	-		138	17518		-		138	49613
84	.56000	29246	23571	94	.56130	36232	51404		
	+	13	01320	94584		+	12	99937	42858
	-		138	20729		-		138	52818
85	.56013	30567	18155	95	.56143	36169	94262		
	+	13	01182	73855		+	12	99798	90040
	-		138	23940		-		138	56027
86	.56026	31749	92010	96	.56156	35968	84302		
	+	13	01044	49915		+	12	99660	34013
	-		138	27150		-		138	59233
87	.56039	32794	41925	97	.56169	35629	18315		
	+	13	00906	22765		+	12	99521	74780
	-		138	30360		-		138	62439
88	.56052	33700	64690	98	.56182	35150	93095		
	+	13	00767	92405		+	12	99383	12341
	-		138	33569		-		138	65646
89	.56065	34468	57095	99	.56195	34534	05436		
	+	13	00629	58836		+	12	99244	46695
	-		138	36778		-		138	68852

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

38^c	Sine.				38^c	Sine.			
00'	.56208	33778	52131		10'	.56338	18590	03470	
	+ 12	99105	77843			+ 12	97717	13088	
	-	138	72056			-	139	04092	
01	.56221	32884	29974		11	.56351	16307	16558	
	+ 12	98967	05787			+ 12	97578	08996	
	-	138	75263			-	139	07294	
02	.56234	31851	35761		12	.56364	13885	25554	
	+ 12	98828	30524			+ 12	97439	01702	
	-	138	78466			-	139	10495	
03	.56247	30679	66285		13	.56377	11324	27256	
	+ 12	98689	52058			+ 12	97299	91207	
	-	138	81671			-	139	13697	
04	.56260	29369	18343		14	.56390	08624	18463	
	+ 12	98550	70387			+ 12	97160	77510	
	-	138	84875			-	139	16895	
05	.56273	27919	88730		15	.56403	05784	95973	
	+ 12	98411	85512			+ 12	97021	60615	
	-	138	88079			-	139	20098	
06	.56286	26331	74242		16	.56416	02806	56588	
	+ 12	98272	97433			+ 12	96882	40517	
	-	138	91282			-	139	23297	
07	.56299	24604	71675		17	.56428	99688	97105	
	+ 12	98134	06151			+ 12	96743	17220	
	-	138	94485			-	139	26496	
08	.56312	22738	77826		18	.56441	96432	14325	
	+ 12	97995	11666			+ 12	96603	90724	
	-	138	97688			-	139	29696	
09	.56325	20733	89492		19	.56454	93036	05049	
	+ 12	97856	13978			+ 12	96464	61028	
	-	139	00890			-	139	32894	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

38^c	Sine.			38^c	Sine.				
20'	.56467	89500	66077	30'	.56597	46478	39508		
	+	12	96325	28134		+	12	94930	23323
	-		139	36094		-		139	68058
21	.56480	85825	94211	31	.56610	41408	62831		
	+	12	96185	92040		+	12	94790	55265
	-		139	39291		-		139	71256
22	.56493	82011	86251	32	.56623	36199	18096		
	+	12	96046	52749		+	12	94650	84009
	-		139	42489		-		139	74448
23	.56506	78058	39000	33	.56636	30850	02105		
	+	12	95907	10260		+	12	94511	09561
	-		139	45687		-		139	77644
24	.56519	73965	49260	34	.56649	25361	11666		
	+	12	95767	64573		+	12	94371	31917
	-		139	48884		-		139	80836
25	.56532	69733	13833	35	.56662	19732	43583		
	+	12	95628	15689		+	12	94231	51081
	-		139	52081		-		139	84031
26	.56545	65361	29522	36	.56675	13963	94664		
	+	12	95488	63608		+	12	94091	67050
	-		139	55277		-		139	87222
27	.56558	60849	93130	37	.56688	08055	61714		
	+	12	95349	08331		+	12	93951	79828
	-		139	58473		-		139	90417
28	.56571	56199	01461	38	.56701	02007	41542		
	+	12	95209	49858		+	12	93811	89411
	-		139	61669		-		139	93608
29	.56584	51408	51319	39	.56713	95819	30953		
	+	12	95069	88189		+	12	93671	95803
	-		139	64866		-		139	96800

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

38^c	Sine.			38^c	Sine.				
40'	.56726	89491	26756	50'	.56856	18507	34264		
	+	12	93531	99003		+	12	92130	55516
	-		139	99992		-		140	31890
41	.56739	83023	25759	51	.56869	10637	89780		
	+	12	93391	99011		+	12	91990	23626
	-		140	03183		-		140	35077
42	.56752	76415	24770	52	.56882	02628	13406		
	+	12	93251	95828		+	12	91849	88549
	-		140	06374		-		140	38265
43	.56765	69667	20598	53	.56894	94478	01955		
	+	12	93111	89454		+	12	91709	50284
	-		140	09565		-		140	41452
44	.56778	62779	10052	54	.56907	86187	52239		
	+	12	92971	79889		+	12	91569	08832
	-		140	12756		-		140	44639
45	.56791	55750	89941	55	.56920	77756	61071		
	+	12	92831	67133		+	12	91428	64193
	-		140	15944		-		140	47825
46	.56804	48582	57074	56	.56933	69185	25264		
	+	12	92691	51189		+	12	91288	16368
	-		140	19135		-		140	51012
47	.56817	41274	08263	57	.56946	60473	41632		
	+	12	92551	32054		+	12	91147	65356
	-		140	22324		-		140	54197
48	.56830	33825	40317	58	.56959	51621	06988		
	+	12	92411	09730		+	12	91007	11159
	-		140	25513		-		140	57382
49	.56843	26236	50047	59	.56972	42628	18147		
	+	12	92270	84217		+	12	90866	53777
	-		140	28701		-		140	60569

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

38^c	Sine.				38^c	Sine.			
60'	.56985	33494	71924		70'	.57114	34421	53091	
	+	12	90725	93208		+	12	89318	12428
	-		140	63752		-		140	95582
61	.56998	24220	65132		71	.57127	23739	65519	
	+	12	90585	29456		+	12	89177	16846
	-		140	66937		-		140	98761
62	.57011	14805	94588		72	.57140	12916	82365	
	+	12	90444	62519		+	12	89036	18085
	-		140	70121		-		141	01943
63	.57024	05250	57107		73	.57153	01953	00450	
	+	12	90303	92398		+	12	88895	16142
	-		140	73304		-		141	05122
64	.57036	95554	49505		74	.57165	90848	16592	
	+	12	90163	19094		+	12	88754	11020
	-		140	76489		-		141	08302
65	.57049	85717	68599		75	.57178	79602	27612	
	+	12	90022	42605		+	12	88613	02718
	-		140	79670		-		141	11483
66	.57062	75740	11204		76	.57191	68215	30330	
	+	12	89881	62935		+	12	88471	91235
	-		140	82854		-		141	14660
67	.57075	65621	74139		77	.57204	56687	21565	
	+	12	89740	80081		+	12	88330	76575
	-		140	86037		-		141	17840
68	.57088	55362	54220		78	.57217	45017	98140	
	+	12	89599	94044		+	12	88189	58735
	-		140	89217		-		141	21019
69	.57101	44962	48264		79	.57230	33207	56875	
	+	12	89459	04827		+	12	88048	37716
	-		140	92399		-		141	24196

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

38^c	Sine.				38^c	Sine.			
80'	.57243	21255	94591		90'	.57371	93966	16724	
	+	12	87907	13520		+	12	86492	96834
	-		141	27375		-		141	59133
81	.57256	09163	08111		91	.57384	80459	13558	
	+	12	87765	86145		+	12	86351	37701
	-		141	30551		-		141	62307
82	.57268	96928	94256		92	.57397	66810	51259	
	+	12	87624	55594		+	12	86209	75394
	-		141	33730		-		141	65481
83	.57281	84553	49850		93	.57410	53020	26653	
	+	12	87483	21864		+	12	86068	09913
	-		141	36904		-		141	68653
84	.57294	72036	71714		94	.57423	39088	36566	
	+	12	87341	84960		+	12	85926	41260
	-		141	40083		-		141	71827
85	.57307	59378	56674		95	.57436	25014	77826	
	+	12	87200	44877		+	12	85784	69433
	-		141	43258		-		141	74999
86	.57320	46579	01551		96	.57449	10799	47259	
	+	12	87059	01619		+	12	85642	94434
	-		141	46434		-		141	78172
87	.57333	33638	03170		97	.57461	96442	41693	
	+	12	86917	55185		+	12	85501	16262
	-		141	49608		-		141	81343
88	.57346	20555	58355		98	.57474	81943	57955	
	+	12	86776	05577		+	12	85359	34919
	-		141	52785		-		141	84514
89	.57359	07331	63932		99	.57487	67302	92874	
	+	12	86634	52792		+	12	85217	50405
	-		141	55958		-		141	87687

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

39^c	Sine.			39^c	Sine.		
00'	.57500	52520	43279	10'	.57628	96887	01533
	+	12	85075	62718		+	12
	-		141	90856		-	142
01	.57513	37596	05997	11	.57641	80542	13056
	+	12	84933	71862		+	12
	-		141	94027		-	142
02	.57526	22529	77859	12	.57654	64055	02035
	+	12	84791	77835		+	12
	-		141	97198		-	142
03	.57539	07321	55694	13	.57667	47425	65301
	+	12	84649	80637		+	12
	-		142	00366		-	142
04	.57551	91971	36331	14	.57680	30653	99688
	+	12	84507	80271		+	12
	-		142	03537		-	142
05	.57564	76479	16602	15	.57693	13740	02029
	+	12	84365	76734		+	12
	-		142	06706		-	142
06	.57577	60844	93336	16	.57705	96683	69160
	+	12	84223	70028		+	12
	-		142	09873		-	142
07	.57590	45068	63364	17	.57718	79484	97914
	+	12	84081	60155		+	12
	-		142	13043		-	142
08	.57603	29150	23519	18	.57731	62143	85127
	+	12	83939	47112		+	12
	-		142	16210		-	142
09	.57616	13089	70631	19	.57744	44660	27633
	+	12	83797	30902		+	12
	-		142	19379		-	142

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

39^c	Sine.				39^c	Sine.			
20'	.57757	27034	22268		30'	.57885	42930	39771	
	+	12	82231	43599		+	12	80804	59298
	-		142	54198		-		142	85818
21	.57770	09265	65867		31	.57898	23734	99069	
	+	12	82088	89401		+	12	80661	73480
	-		142	57363		-		142	88977
22	.57782	91354	55268		32	.57911	04396	72549	
	+	12	81946	32038		+	12	80518	84503
	-		142	60525		-		142	92137
23	.57795	73300	87306		33	.57923	84915	57052	
	+	12	81803	71513		+	12	80375	92366
	-		142	63689		-		142	95296
24	.57808	55104	58819		34	.57936	65291	49418	
	+	12	81661	07824		+	12	80232	97070
	-		142	66850		-		142	98455
25	.57821	36765	66643		35	.57949	45524	46488	
	+	12	81518	40974		+	12	80089	98615
	-		142	70013		-		143	01613
26	.57834	18284	07617		36	.57962	25614	45103	
	+	12	81375	70961		+	12	79946	97002
	-		142	73174		-		143	04772
27	.57846	99659	78578		37	.57975	05561	42105	
	+	12	81232	97787		+	12	79803	92230
	-		142	76335		-		143	07929
28	.57859	80892	76365		38	.57987	85365	34335	
	+	12	81090	21452		+	12	79660	84301
	-		142	79498		-		143	11088
29	.57872	61982	97817		39	.58000	65026	18636	
	+	12	80947	41954		+	12	79517	73213
	-		142	82656		-		143	14243

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

39^c	Sine.			39^c	Sine.				
40'	.58013	44543	91849	50'	.58141	31843	19831		
	+	12	79374	58970		+	12	77941	42969
	-		143	17400		-		143	48948
41	.58026	23918	50819	51	.58154	09784	62800		
	+	12	79231	41570		+	12	77797	94021
	-		143	20558		-		143	52102
42	.58039	03149	92389	52	.58166	87582	56821		
	+	12	79088	21012		+	12	77654	41919
	-		143	23713		-		143	55253
43	.58051	82238	13401	53	.58179	65236	98740		
	+	12	78944	97299		+	12	77510	86666
	-		143	26868		-		143	58406
44	.58064	61183	10700	54	.58192	42747	85406		
	+	12	78801	70431		+	12	77367	28260
	-		143	30024		-		143	61558
45	.58077	39984	81131	55	.58205	20115	13666		
	+	12	78658	40407		+	12	77223	66702
	-		143	33179		-		143	64709
46	.58090	18643	21538	56	.58217	97338	80368		
	+	12	78515	07228		+	12	77080	01993
	-		143	36334		-		143	67860
47	.58102	97158	28766	57	.58230	74418	82361		
	+	12	78371	70894		+	12	76936	34133
	-		143	39488		-		143	71012
48	.58115	75529	99660	58	.58243	51355	16494		
	+	12	78228	31406		+	12	76792	63121
	-		143	42641		-		143	74160
49	.58128	53758	31066	59	.58256	28147	79615		
	+	12	78084	88765		+	12	76648	88961
	-		143	45796		-		143	77312

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

39^c	Sine.				39^c	Sine.			
60'	.58269	04796	68576		70'	.58396	63372	86487	
	+	12	76505	11649		+	12	75065	65364
	-		143	80460		-		144	11938
61	.58281	81301	80225		71	.58409	38438	51851	
	+	12	76361	31189		+	12	74921	53426
	-		143	83611		-		144	15083
62	.58294	57663	11414		72	.58422	13360	05277	
	+	12	76217	47578		+	12	74777	38343
	-		143	86759		-		144	18229
63	.58307	33880	58992		73	.58434	88137	43620	
	+	12	76073	60819		+	12	74633	20114
	-		143	89908		-		144	21374
64	.58320	09954	19811		74	.58447	62770	63734	
	+	12	75929	70911		+	12	74488	98740
	-		143	93056		-		144	24519
65	.58332	85883	90722		75	.58460	37259	62474	
	+	12	75785	77855		+	12	74344	74221
	-		143	96203		-		144	27663
66	.58345	61669	68577		76	.58473	11604	36695	
	+	12	75641	81652		+	12	74200	46558
	-		143	99352		-		144	30808
67	.58358	37311	50229		77	.58485	85804	83253	
	+	12	75497	82300		+	12	74056	15750
	-		144	02499		-		144	33949
68	.58371	12809	32529		78	.58498	59860	99003	
	+	12	75353	79801		+	12	73911	81801
	-		144	05644		-		144	37095
69	.58383	88163	12330		79	.58511	33772	80804	
	+	12	75209	74157		+	12	73767	44706
	-		144	08793		-		144	40236

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

39^c	Sine.			39^c	Sine.				
80'	.58524	07540	25510	90'	.58651	37267	41150		
	+	12	73623	04470		+	12	72177	29321
	-		144	43380		-		144	74785
81	.58536	81163	29980	91	.58664	09444	70471		
	+	12	73478	61090		+	12	72032	54536
	-		144	46521		-		144	77924
82	.58549	54641	91070	92	.58676	81477	25007		
	+	12	73334	14569		+	12	71887	76612
	-		144	49664		-		144	81061
83	.58562	27976	05639	93	.58689	53365	01619		
	+	12	73189	64905		+	12	71742	95551
	-		144	52804		-		144	84201
84	.58575	01165	70544	94	.58702	25107	97170		
	+	12	73045	12101		+	12	71598	11350
	-		144	55946		-		144	87337
85	.58587	74210	82645	95	.58714	96706	08520		
	+	12	72900	56155		+	12	71453	24013
	-		144	59087		-		144	90474
86	.58600	47111	38800	96	.58727	68159	32533		
	+	12	72755	97068		+	12	71308	33539
	-		144	62227		-		144	93612
87	.58613	19867	35868	97	.58740	39467	66072		
	+	12	72611	34841		+	12	71163	39927
	-		144	65367		-		144	96748
88	.58625	92478	70709	98	.58753	10631	05999		
	+	12	72466	69474		+	12	71018	43179
	-		144	68507		-		144	99884
89	.58638	64945	40183	99	.58765	81649	49178		
	+	12	72322	00967		+	12	70873	43295
	-		144	71646		-		145	03019

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

40^c	Sine.			40^c	Sine.				
00'	.58778	52522	92473	10'	.58905	53275	42116		
	+	12	70728	40276		+	12	69276	37690
	-		145	06156		-		145	37489
01	.58791	23251	32749	11	.58918	22551	79806		
	+	12	70583	34120		+	12	69131	00201
	-		145	09290		-		145	40621
02	.58803	93834	66869	12	.58930	91682	80007		
	+	12	70438	24830		+	12	68985	59580
	-		145	12425		-		145	43752
03	.58816	64272	91699	13	.58943	60668	39587		
	+	12	70293	12405		+	12	68840	15828
	-		145	15559		-		145	46883
04	.58829	34566	04104	14	.58956	29508	55415		
	+	12	70147	96846		+	12	68694	68945
	-		145	18693		-		145	50013
05	.58842	04714	00950	15	.58968	98203	24360		
	+	12	70002	78153		+	12	68549	18932
	-		145	21827		-		145	53143
06	.58854	74716	79103	16	.58981	66752	43292		
	+	12	69857	56326		+	12	68403	65789
	-		145	24960		-		145	56273
07	.58867	44574	35429	17	.58994	35156	09081		
	+	12	69712	31366		+	12	68258	09516
	-		145	28093		-		145	59402
08	.58880	14286	66795	18	.59007	03414	18597		
	+	12	69567	03273		+	12	68112	50114
	-		145	31225		-		145	62530
09	.58892	83853	70068	19	.59019	71526	68711		
	+	12	69421	72048		+	12	67966	87584
	-		145	34358		-		145	65661

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

40^c	Sine.			40^c	Sine.				
20'	.59032	39493	56295	30'	.59159	11146	04810		
	+	12	67821	21923		+	12	66362	93335
	-		145	68787		-		146	00050
21	.59045	07314	78218	31	.59171	77508	98145		
	+	12	67675	53136		+	12	66216	93285
	-		145	71916		-		146	03176
22	.59057	74990	31354	32	.59184	43725	91430		
	+	12	67529	81220		+	12	66070	90109
	-		145	75043		-		146	06297
23	.59070	42520	12574	33	.59197	09796	81539		
	+	12	67384	06177		+	12	65924	83812
	-		145	78171		-		146	09423
24	.59083	09904	18751	34	.59209	75721	65351		
	+	12	67238	28006		+	12	65778	74389
	-		145	81296		-		146	12544
25	.59095	77142	46757	35	.59222	41500	39740		
	+	12	67092	46710		+	12	65632	61845
	-		145	84424		-		146	15669
26	.59108	44234	93467	36	.59235	07133	01585		
	+	12	66946	62286		+	12	65486	46176
	-		145	87550		-		146	18790
27	.59121	11181	55753	37	.59247	72619	47761		
	+	12	66800	74736		+	12	65340	27386
	-		145	90675		-		146	21913
28	.59133	77982	30489	38	.59260	37959	75147		
	+	12	66654	84061		+	12	65194	05473
	-		145	93801		-		146	25034
29	.59146	44637	14550	39	.59273	03153	80620		
	+	12	66508	90260		+	12	65047	80439
	-		145	96925		-		146	28155

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

40^c	Sine.			40^c	Sine.				
40'	.59285	68201	61059	50'	.59412	10629	02039		
	+	12	64901	52284		+	12	63436	99130
	-		146	31278		-		146	62467
41	.59298	33103	13343	51	.59424	74066	01169		
	+	12	64755	21006		+	12	63290	36663
	-		146	34396		-		146	65584
42	.59310	97858	34349	52	.59437	37356	37832		
	+	12	64608	86610		+	12	63143	71079
	-		146	37519		-		146	68701
43	.59323	62467	20959	53	.59450	00500	08911		
	+	12	64462	49091		+	12	62997	02378
	-		146	40637		-		146	71817
44	.59336	26929	70050	54	.59462	63497	11289		
	+	12	64316	08454		+	12	62850	30561
	-		146	43757		-		146	74932
45	.59348	91245	78504	55	.59475	26347	41850		
	+	12	64169	64697		+	12	62703	55629
	-		146	46876		-		146	78050
46	.59361	55415	43201	56	.59487	89050	97479		
	+	12	64023	17821		+	12	62556	77579
	-		146	49996		-		146	81163
47	.59374	19438	61022	57	.59500	51607	75058		
	+	12	63876	67825		+	12	62409	96416
	-		146	53113		-		146	84279
48	.59386	83315	28847	58	.59513	14017	71474		
	+	12	63730	14712		+	12	62263	12137
	-		146	56232		-		146	87393
49	.59399	47045	43559	59	.59525	76280	83611		
	+	12	63583	58480		+	12	62116	24744
	-		146	59350		-		146	90508

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

40^c	Sine.			40^c	Sine.				
60'	.59538	38397	08355	70'	.59664	51474	64232		
	+	12	61969	34236		+	12	60498	57965
	-		146	93620		-		147	24740
61	.59551	00366	42591	71	.59677	11973	22197		
	+	12	61822	40616		+	12	60351	33225
	-		146	96736		-		147	27849
62	.59563	62188	83207	72	.59689	72324	55422		
	+	12	61675	43880		+	12	60204	05376
	-		146	99847		-		147	30958
63	.59576	23864	27087	73	.59702	32528	60798		
	+	12	61528	44033		+	12	60056	74418
	-		147	02960		-		147	34067
64	.59588	85392	71120	74	.59714	92585	35216		
	+	12	61381	41073		+	12	59909	40351
	-		147	06073		-		147	37176
65	.59601	46774	12193	75	.59727	52494	75567		
	+	12	61234	35000		+	12	59762	03175
	-		147	09185		-		147	40285
66	.59614	08008	47193	76	.59740	12256	78742		
	+	12	61087	25815		+	12	59614	62890
	-		147	12296		-		147	43392
67	.59626	69095	73008	77	.59752	71871	41632		
	+	12	60940	13519		+	12	59467	19498
	-		147	15407		-		147	46500
68	.59639	30035	86527	78	.59765	31338	61130		
	+	12	60792	98112		+	12	59319	72998
	-		147	18519		-		147	49607
69	.59651	90828	84639	79	.59777	90658	34128		
	+	12	60645	79593		+	12	59172	23391
	-		147	21628		-		147	52714

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

40^c	Sine.			40^c	Sine.				
80'	.59790	49830	57519	90'	.59916	33433	79696		
	+	12	59024	70677		+	12	57547	72737
	-		147	55821		-		147	86865
81	.59803	08855	28196	91	.59928	90981	52433		
	+	12	58877	14856		+	12	57399	85872
	-		147	58927		-		147	89969
82	.59815	67732	43052	92	.59941	48381	38305		
	+	12	58729	55929		+	12	57251	95903
	-		147	62032		-		147	93070
83	.59828	26461	98981	93	.59954	05633	34208		
	+	12	58581	93897		+	12	57104	02833
	-		147	65139		-		147	96173
84	.59840	85043	92878	94	.59966	62737	37041		
	+	12	58434	28758		+	12	56956	06660
	-		147	68242		-		147	99273
85	.59853	43478	21636	95	.59979	19693	43701		
	+	12	58286	60516		+	12	56808	07387
	-		147	71348		-		148	02375
86	.59866	01764	82152	96	.59991	76501	51088		
	+	12	58138	89168		+	12	56660	05012
	-		147	74452		-		148	05475
87	.59878	59903	71320	97	.60004	33161	56100		
	+	12	57991	14716		+	12	56511	99537
	-		147	77556		-		148	08576
88	.59891	17894	86036	98	.60016	89673	55637		
	+	12	57843	37160		+	12	56363	90961
	-		147	80660		-		148	11675
89	.59903	75738	23196	99	.60029	46037	46598		
	+	12	57695	56500		+	12	56215	79286
	-		147	83763		-		148	14776

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

41^c	Sine.			41^c	Sine.				
00'	.60042	02253	25884	10'	.60167	56257	94852		
	+	12	56067	64510		+	12	54584	46362
	-		148	17874		-		148	48848
01	.60054	58320	90394	11	.60180	10842	41214		
	+	12	55919	46636		+	12	54435	97514
	-		148	20973		-		148	51940
02	.60067	14240	37030	12	.60192	65278	38728		
	+	12	55771	25663		+	12	54287	45574
	-		148	24072		-		148	55038
03	.60079	70011	62693	13	.60205	19565	84302		
	+	12	55623	01591		+	12	54138	90536
	-		148	27170		-		148	58131
04	.60092	25634	64284	14	.60217	73704	74838		
	+	12	55474	74421		+	12	53990	32405
	-		148	30268		-		148	61224
05	.60104	81109	38705	15	.60230	27695	07243		
	+	12	55326	44153		+	12	53841	71181
	-		148	33365		-		148	64320
06	.60117	36435	82858	16	.60242	81536	78424		
	+	12	55178	10788		+	12	53693	06861
	-		148	36461		-		148	67411
07	.60129	91613	93646	17	.60255	35229	85285		
	+	12	55029	74327		+	12	53544	39450
	-		148	39560		-		148	70506
08	.60142	46643	67973	18	.60267	88774	24735		
	+	12	54881	34767		+	12	53395	68944
	-		148	42655		-		148	73598
09	.60155	01525	02740	19	.60280	42169	93679		
	+	12	54732	92112		+	12	53246	95346
	-		148	45750		-		148	76690

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

41^c	Sine.				41^c	Sine.			
20'	.60292	95416	89025		30'	.60418	19699	14488	
	+	12	53098	18656		+	12	51608	81762
	-		148	79782		-		149	10682
21	.60305	48515	07681		31	.60430	71307	96250	
	+	12	52949	38874		+	12	51459	71080
	-		148	82874		-		149	13768
22	.60318	01464	46555		32	.60443	22767	67330	
	+	12	52800	56000		+	12	51310	57312
	-		148	85964		-		149	16856
23	.60330	54265	02555		33	.60455	74078	24642	
	+	12	52651	70036		+	12	51161	40456
	-		148	89056		-		149	19944
24	.60343	06916	72591		34	.60468	25239	65098	
	+	12	52502	80980		+	12	51012	20512
	-		148	92145		-		149	23029
25	.60355	59419	53571		35	.60480	76251	85610	
	+	12	52353	88835		+	12	50862	97483
	-		148	95237		-		149	26117
26	.60368	11773	42406		36	.60493	27114	83093	
	+	12	52204	93598		+	12	50713	71366
	-		148	98325		-		149	29202
27	.60380	63978	36004		37	.60505	77828	54459	
	+	12	52055	95273		+	12	50564	42164
	-		149	01415		-		149	32288
28	.60393	16034	31277		38	.60518	28392	96623	
	+	12	51906	93858		+	12	50415	09876
	-		149	04505		-		149	35374
29	.60405	67941	25135		39	.60530	78808	06499	
	+	12	51757	89353		+	12	50265	74502
	-		149	07591		-		149	38457

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

41^c	Sine.				41^c	Sine.			
40'	.60543	29073	81001		50'	.60668	23510	02000	
	+	12	50116	36045		+	12	48620	81873
	-		149	41544		-		149	72367
41	.60555	79190	17046		51	.60680	72130	83873	
	+	12	49966	94501		+	12	48471	09506
	-		149	44626		-		149	75448
42	.60568	29157	11547		52	.60693	20601	93379	
	+	12	49817	49875		+	12	48321	34058
	-		149	47711		-		149	78529
43	.60580	78974	61422		53	.60705	68923	27437	
	+	12	49668	02164		+	12	48171	55529
	-		149	50794		-		149	81608
44	.60593	28642	63586		54	.60718	17094	82966	
	+	12	49518	51370		+	12	48021	73921
	-		149	53877		-		149	84687
45	.60605	78161	14956		55	.60730	65116	56887	
	+	12	49368	97493		+	12	47871	89234
	-		149	56960		-		149	87767
46	.60618	27530	12449		56	.60743	12988	46121	
	+	12	49219	40533		+	12	47722	01467
	-		149	60043		-		149	90845
47	.60630	76749	52982		57	.60755	60710	47588	
	+	12	49069	80490		+	12	47572	10622
	-		149	63123		-		149	93924
48	.60643	25819	33472		58	.60768	08282	58210	
	+	12	48920	17367		+	12	47422	16698
	-		149	66206		-		149	97001
49	.60655	74739	50839		59	.60780	55704	74908	
	+	12	48770	51161		+	12	47272	19697
	-		149	69288		-		150	00078

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

41^c	Sine.				41^c	Sine.			
60'	.60793	02976	94605		70'	.60917	67443	79634	
+ 12	47122	19619			+ 12	45620	49648		
- 150	03157				- 150	33907			
61	.60805	50099	14224		71	.60930	13064	29282	
+ 12	46972	16462			+ 12	45470	15741		
- 150	06232				- 150	36981			
62	.60817	97071	30686		72	.60942	58534	45023	
+ 12	46822	10230			+ 12	45319	78760		
- 150	09310				- 150	40052			
63	.60830	43893	40916		73	.60955	03854	23783	
+ 12	46672	00920			+ 12	45169	38708		
- 150	12385				- 150	43125			
64	.60842	90565	41836		74	.60967	49023	62491	
+ 12	46521	88535			+ 12	45018	95583		
- 150	15460				- 150	46198			
65	.60855	37087	30371		75	.60979	94042	58074	
+ 12	46371	73075			+ 12	44868	49385		
- 150	18537				- 150	49268			
66	.60867	83459	03446		76	.60992	38911	07459	
+ 12	46221	54538			+ 12	44718	00117		
- 150	21611				- 150	52341			
67	.60880	29680	57984		77	.61004	83629	07576	
+ 12	46071	32927			+ 12	44567	47776		
- 150	24685				- 150	55410			
68	.60892	75751	90911		78	.61017	28196	55352	
+ 12	45921	08242			+ 12	44416	92366		
- 150	27761				- 150	58481			
69	.60905	21672	99153		79	.61029	72613	47718	
+ 12	45770	80481			+ 12	44266	33885		
- 150	30833				- 150	61552			

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

41^c	Sine.				41^c	Sine.			
80'	.61042	16879	81603		90'	.61166	51254	28736	
	+	12	44115	72333		+	12	42607	88045
	-		150	64622		-		150	95298
81	.61054	60995	53936		91	.61178	93862	16781	
	+	12	43965	07711		+	12	42456	92747
	-		150	67689		-		150	98364
82	.61067	04960	61647		92	.61191	36319	09528	
	+	12	43814	40022		+	12	42305	94383
	-		150	70760		-		151	01428
83	.61079	48775	01669		93	.61203	78625	03911	
	+	12	43663	69262		+	12	42154	92955
	-		150	73828		-		151	04495
84	.61091	92438	70931		94	.61216	20779	96866	
	+	12	43512	95434		+	12	42003	88460
	-		150	76897		-		151	07558
85	.61104	35951	66365		95	.61228	62783	85326	
	+	12	43362	18537		+	12	41852	80902
	-		150	79964		-		151	10622
86	.61116	79313	84902		96	.61241	04636	66228	
	+	12	43211	38573		+	12	41701	70280
	-		150	83031		-		151	13686
87	.61129	22525	23475		97	.61253	46338	36508	
	+	12	43060	55542		+	12	41550	56594
	-		150	86100		-		151	16751
88	.61141	65585	79017		98	.61265	87888	93102	
	+	12	42909	69442		+	12	41399	39843
	-		150	89165		-		151	19812
89	.61154	08495	48459		99	.61278	29288	32945	
	+	12	42758	80277		+	12	41248	20031
	-		150	92232		-		151	22875

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

42^c	Sine.				42^c	Sine.			
00'	.61290	70536	52976		10'	.61414	74695	89989	
	+	12	41096	97156		+	12	39583	00038
	-		151	25938		-		151	56539
01	.61303	11633	50132		11	.61427	14278	90027	
	+	12	40945	71218		+	12	39431	43499
	-		151	28999		-		151	59599
02	.61315	52579	21350		12	.61439	53710	33526	
	+	12	40794	42219		+	12	39279	83900
	-		151	32062		-		151	62656
03	.61327	93373	63569		13	.61451	92990	17426	
	+	12	40643	10157		+	12	39128	21244
	-		151	35121		-		151	65713
04	.61340	34016	73726		14	.61464	32118	38670	
	+	12	40491	75036		+	12	38976	55531
	-		151	38184		-		151	68771
05	.61352	74508	48762		15	.61476	71094	94201	
	+	12	40340	36852		+	12	38824	86760
	-		151	41244		-		151	71826
06	.61365	14848	85614		16	.61489	09919	80961	
	+	12	40188	95608		+	12	38673	14934
	-		151	44302		-		151	74884
07	.61377	55037	81222		17	.61501	48592	95895	
	+	12	40037	51306		+	12	38521	40050
	-		151	47364		-		151	77939
08	.61389	95075	32528		18	.61513	87114	35945	
	+	12	39886	03942		+	12	38369	62111
	-		151	50423		-		151	80996
09	.61402	34961	36470		19	.61526	25483	98056	
	+	12	39734	53519		+	12	38217	81115
	-		151	53481		-		151	84049

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

42^c	Sine.				42^c	Sine.			
20'	.61538	63701	79171		30'	.61662	37523	63659	
	+	12	38065	97066		+	12	36545	88613
	-		151	87105		-		152	17632
21	.61551	01767	76237		31	.61674	74069	52272	
	+	12	37914	09961		+	12	36393	70981
	-		151	90159		-		152	20683
22	.61563	39681	86198		32	.61687	10463	23253	
	+	12	37762	19802		+	12	36241	50298
	-		151	93214		-		152	23734
23	.61575	77444	06000		33	.61699	46704	73551	
	+	12	37610	26588		+	12	36089	26564
	-		151	96266		-		152	26783
24	.61588	15054	32588		34	.61711	82794	00115	
	+	12	37458	30322		+	12	35936	99781
	-		151	99321		-		152	29832
25	.61600	52512	62910		35	.61724	18730	99896	
	+	12	37306	31001		+	12	35784	69949
	-		152	02373		-		152	32882
26	.61612	89818	93911		36	.61736	54515	69845	
	+	12	37154	28628		+	12	35632	37067
	-		152	05426		-		152	35931
27	.61625	26973	22539		37	.61748	90148	06912	
	+	12	37002	23202		+	12	35480	01136
	-		152	08478		-		152	38979
28	.61637	63975	45741		38	.61761	25628	08048	
	+	12	36850	14724		+	12	35327	62157
	-		152	11530		-		152	42028
29	.61650	00825	60465		39	.61773	60955	70205	
	+	12	36698	03194		+	12	35175	20129
	-		152	14581		-		152	45074

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

42^c	Sine.			42^c	Sine.				
40'	.61785	96130	90334	50'	.61909	39493	09834		
	+	12	35022	75055		+	12	33496	56767
	-		152	48122		-		152	78574
41	.61798	31153	65389	51	.61921	72989	66601		
	+	12	34870	26933		+	12	33343	78193
	-		152	51170		-		152	81618
42	.61810	66023	92322	52	.61934	06333	44794		
	+	12	34717	75763		+	12	33190	96575
	-		152	54215		-		152	84661
43	.61823	00741	68085	53	.61946	39524	41369		
	+	12	34565	21548		+	12	33038	11914
	-		152	57262		-		152	87702
44	.61835	35306	89633	54	.61958	72562	53283		
	+	12	34412	64286		+	12	32885	24212
	-		152	60307		-		152	90745
45	.61847	69719	53919	55	.61971	05447	77495		
	+	12	34260	03979		+	12	32732	33467
	-		152	63353		-		152	93786
46	.61860	03979	57898	56	.61983	38180	10962		
	+	12	34107	40626		+	12	32579	39681
	-		152	66399		-		152	96828
47	.61872	38086	98524	57	.61995	70759	50643		
	+	12	33954	74227		+	12	32426	42853
	-		152	69442		-		152	99868
48	.61884	72041	72751	58	.62008	03185	93496		
	+	12	33802	04785		+	12	32273	42985
	-		152	72487		-		153	02910
49	.61897	05843	77536	59	.62020	35459	36481		
	+	12	33649	32298		+	12	32120	40075
	-		152	75531		-		153	05949

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

42^c	Sine.				42^c	Sine.			
60'	.62032	67579	76556		70'	.62155	80360	48668	
	+	12	31967	34126		+	12	30435	07509
	-		153	08989		-		153	39365
61	.62044	99547	10682		71	.62168	10795	56177	
	+	12	31814	25137		+	12	30281	68144
	-		153	12028		-		153	42401
62	.62057	31361	35819		72	.62180	41077	24321	
	+	12	31661	13109		+	12	30128	25743
	-		153	15067		-		153	45437
63	.62069	63022	48928		73	.62192	71205	50064	
	+	12	31507	98042		+	12	29974	80306
	-		153	18107		-		153	48472
64	.62081	94530	46970		74	.62205	01180	30370	
	+	12	31354	79935		+	12	29821	31834
	-		153	21143		-		153	51505
65	.62094	25885	26905		75	.62217	31001	62204	
	+	12	31201	58792		+	12	29667	80329
	-		153	24183		-		153	54541
66	.62106	57086	85697		76	.62229	60669	42533	
	+	12	31048	34609		+	12	29514	25788
	-		153	27220		-		153	57573
67	.62118	88135	20306		77	.62241	90183	68321	
	+	12	30895	07389		+	12	29360	68215
	-		153	30256		-		153	60607
68	.62131	19030	27695		78	.62254	19544	36536	
	+	12	30741	77133		+	12	29207	07608
	-		153	33293		-		153	63639
69	.62143	49772	04828		79	.62266	48751	44144	
	+	12	30588	43840		+	12	29053	43969
	-		153	36331		-		153	66674

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

42^c	Sine.			42^c	Sine.				
80'	.62278	77804	88113	90'	.62401	59882	60619		
	+	12	28899	77295		+	12	27361	43862
	-		153	69704		-		154	00005
81	.62291	06704	65408	91	.62413	87244	04481		
	+	12	28746	07591		+	12	27207	43857
	-		153	72737		-		154	03034
82	.62303	35450	72999	92	.62426	14451	48338		
	+	12	28592	34854		+	12	27053	40823
	-		153	75767		-		154	06061
83	.62315	64043	07853	93	.62438	41504	89161		
	+	12	28438	59087		+	12	26899	34762
	-		153	78800		-		154	09089
84	.62327	92481	66940	94	.62450	68404	23923		
	+	12	28284	80287		+	12	26745	25673
	-		153	81829		-		154	12115
85	.62340	20766	47227	95	.62462	95149	49596		
	+	12	28130	98458		+	12	26591	13558
	-		153	84861		-		154	15143
86	.62352	48897	45685	96	.62475	21740	63154		
	+	12	27977	13597		+	12	26436	98415
	-		153	87889		-		154	18167
87	.62364	76874	59282	97	.62487	48177	61569		
	+	12	27823	25708		+	12	26282	80248
	-		153	90919		-		154	21194
88	.62377	04697	84990	98	.62499	74460	41817		
	+	12	27669	34789		+	12	26128	59054
	-		153	93949		-		154	24220
89	.62389	32367	19779	99	.62512	00589	00871		
	+	12	27515	40840		+	12	25974	34834
	-		153	96978		-		154	27243

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

43^c	Sine.				43^c	Sine.			
00'	.62524	26563	35705		10'	.62646	77816	86691	
	+	12	25820	07591		+	12	24275	68859
	-		154	30270		-		154	60493
01	.62536	52383	43296		11	.62659	02092	55550	
	+	12	25665	77321		+	12	24121	08366
	-		154	33292		-		154	63515
02	.62548	78049	20617		12	.62671	26213	63916	
	+	12	25511	44029		+	12	23966	44851
	-		154	36317		-		154	66533
03	.62561	03560	64646		13	.62683	50180	08767	
	+	12	25357	07712		+	12	23811	78318
	-		154	39340		-		154	69555
04	.62573	28917	72358		14	.62695	73991	87085	
	+	12	25202	68372		+	12	23657	08763
	-		154	42364		-		154	72572
05	.62585	54120	40730		15	.62707	97648	95848	
	+	12	25048	26008		+	12	23502	36191
	-		154	45386		-		154	75592
06	.62597	79168	66738		16	.62720	21151	32039	
	+	12	24893	80622		+	12	23347	60599
	-		154	48407		-		154	78610
07	.62610	04062	47360		17	.62732	44498	92638	
	+	12	24739	32215		+	12	23192	81989
	-		154	51431		-		154	81629
08	.62622	28801	79575		18	.62744	67691	74627	
	+	12	24584	80784		+	12	23038	00360
	-		154	54452		-		154	84647
09	.62634	53386	60359		19	.62756	90729	74987	
	+	12	24430	26332		+	12	22883	15713
	-		154	57473		-		154	87662

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

43^c	Sine.				43^c	Sine.			
20'	.62769	13612	90700		30'	.62891	33921	28673	
	+	12	22728	28051		+	12	21177	85545
	-		154	90681		-		155	20828
21	.62781	36341	18751		31	.62903	55099	14218	
	+	12	22573	37370		+	12	21022	64717
	-		154	93697		-		155	23843
22	.62793	58914	56121		32	.62915	76121	78935	
	+	12	22418	43673		+	12	20867	40874
	-		154	96714		-		155	26853
23	.62805	81332	99794		33	.62927	96989	19809	
	+	12	22263	46959		+	12	20712	14021
	-		154	99728		-		155	29867
24	.62818	03596	46753		34	.62940	17701	33830	
	+	12	22108	47231		+	12	20556	84154
	-		155	02745		-		155	32878
25	.62830	25704	93984		35	.62952	38258	17984	
	+	12	21953	44486		+	12	20401	51276
	-		155	05760		-		155	35889
26	.62842	47658	38470		36	.62964	58659	69260	
	+	12	21798	38726		+	12	20246	15387
	-		155	08774		-		155	38899
27	.62854	69456	77196		37	.62976	78905	84647	
	+	12	21643	29952		+	12	20090	76488
	-		155	11788		-		155	41911
28	.62866	91100	07148		38	.62988	98996	61135	
	+	12	21488	18164		+	12	19935	34577
	-		155	14803		-		155	44920
29	.62879	12588	25312		39	.63001	18931	95712	
	+	12	21333	03361		+	12	19779	89657
	-		155	17816		-		155	47930

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

43^c	Sine.			43^c	Sine.				
40'	.63013	38711	85369	50'	.63135	27954	49378		
	+	12	19624	41727		+	12	18067	96978
	-		155	50940		-		155	81011
41	.63025	58336	27096	51	.63147	46022	46356		
	+	12	19468	90787		+	12	17912	15967
	-		155	53947		-		155	84017
42	.63037	77805	17883	52	.63159	63934	62323		
	+	12	19313	36840		+	12	17756	31950
	-		155	56958		-		155	87020
43	.63049	97118	54723	53	.63171	81690	94273		
	+	12	19157	79882		+	12	17600	44930
	-		155	59964		-		155	90026
44	.63062	16276	34605	54	.63183	99291	39203		
	+	12	19002	19918		+	12	17444	54904
	-		155	62973		-		155	93029
45	.63074	35278	54523	55	.63196	16735	94107		
	+	12	18846	56945		+	12	17288	61875
	-		155	65981		-		155	96033
46	.63086	54125	11468	56	.63208	34024	55982		
	+	12	18690	90964		+	12	17132	65842
	-		155	68986		-		155	99035
47	.63098	72816	02432	57	.63220	51157	21824		
	+	12	18535	21978		+	12	16976	66807
	-		155	71994		-		156	02040
48	.63110	91351	24410	58	.63232	68133	88631		
	+	12	18379	49984		+	12	16820	64767
	-		155	75000		-		156	05041
49	.63123	09730	74394	59	.63244	84954	53398		
	+	12	18223	74984		+	12	16664	59726
	-		155	78006		-		156	08042

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

43^c	Sine.				43^c	Sine.			
60'	.63257	01619	13124		70'	.63378	59675	72879	
	+	12	16508	51684		+	12	14946	06227
	-		156	11046		-		156	41040
61	.63269	18127	64808		71	.63390	74621	79106	
	+	12	16352	40638		+	12	14789	65187
	-		156	14045		-		156	44037
62	.63281	34480	05446		72	.63402	89411	44293	
	+	12	16196	26593		+	12	14633	21150
	-		156	17047		-		156	47033
63	.63293	50676	32039		73	.63415	04044	65443	
	+	12	16040	09546		+	12	14476	74117
	-		156	20048		-		156	50032
64	.63305	66716	41585		74	.63427	18521	39560	
	+	12	15883	89498		+	12	14320	24085
	-		156	23046		-		156	53026
65	.63317	82600	31083		75	.63439	32841	63645	
	+	12	15727	66452		+	12	14163	71059
	-		156	26048		-		156	56022
66	.63329	98327	97535		76	.63451	47005	34704	
	+	12	15571	40404		+	12	14007	15037
	-		156	29046		-		156	59019
67	.63342	13899	37939		77	.63463	61012	49741	
	+	12	15415	11358		+	12	13850	56018
	-		156	32045		-		156	62013
68	.63354	29314	49297		78	.63475	74863	05759	
	+	12	15258	79313		+	12	13693	94005
	-		156	35044		-		156	65008
69	.63366	44573	28610		79	.63487	88556	99764	
	+	12	15102	44269		+	12	13537	28997
	-		156	38042		-		156	68002

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

43^c	Sine.				43^c	Sine.			
80'	.63500	02094	28761		90'	.63621	28844	84749	
	+	12	13380	60995		+	12	11812	16374
	-		156	70996		-		157	00915
81	.63512	15474	89756		91	.63633	40657	01123	
	+	12	13223	89999		+	12	11655	15459
	-		156	73990		-		157	03903
82	.63524	28698	79755		92	.63645	52312	16582	
	+	12	13067	16009		+	12	11498	11556
	-		156	76982		-		157	06892
83	.63536	41765	95764		93	.63657	63810	28138	
	+	12	12910	39027		+	12	11341	04664
	-		156	79976		-		157	09882
84	.63548	54676	34791		94	.63669	75151	32802	
	+	12	12753	59051		+	12	11183	94782
	-		156	82967		-		157	12870
85	.63560	67429	93842		95	.63681	86335	27584	
	+	12	12596	76084		+	12	11026	81912
	-		156	85960		-		157	15858
86	.63572	80026	69926		96	.63693	97362	09496	
	+	12	12439	90124		+	12	10869	66054
	-		156	88952		-		157	18845
87	.63584	92466	60050		97	.63706	08231	75550	
	+	12	12283	01172		+	12	10712	47209
	-		156	91942		-		157	21834
88	.63597	04749	61222		98	.63718	18944	22759	
	+	12	12126	09230		+	12	10555	25375
	-		156	94933		-		157	24819
89	.63609	16875	70452		99	.63730	29499	48134	
	+	12	11969	14297		+	12	10398	00556
	-		156	97923		-		157	27807

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

44^c	Sine.				44^c	Sine.			
00'	.63742	39897	48690		10'	.63863	35222	32300	
	+ 12	10240	72749			+ 12	08666	30510	
	-	157	30793			-	157	60634	
01	.63754	50138	21439		11	.63875	43888	62810	
	+ 12	10083	41956			+ 12	08508	69876	
	-	157	33778			-	157	63613	
02	.63766	60221	63395		12	.63887	52397	32686	
	+ 12	09926	08178			+ 12	08351	06263	
	-	157	36764			-	157	66597	
03	.63778	70147	71573		13	.63899	60748	38949	
	+ 12	09768	71414			+ 12	08193	39666	
	-	157	39749			-	157	69577	
04	.63790	79916	42987		14	.63911	68941	78615	
	+ 12	09611	31665			+ 12	08035	70089	
	-	157	42733			-	157	72558	
05	.63802	89527	74652		15	.63923	76977	48704	
	+ 12	09453	88932			+ 12	07877	97531	
	-	157	45718			-	157	75539	
06	.63814	98981	63584		16	.63935	84855	46235	
	+ 12	09296	43214			+ 12	07720	21992	
	-	157	48701			-	157	78517	
07	.63827	08278	06798		17	.63947	92575	68227	
	+ 12	09138	94513			+ 12	07562	43475	
	-	157	51684			-	157	81498	
08	.63839	17417	01311		18	.63960	00138	11702	
	+ 12	08981	42829			+ 12	07404	61977	
	-	157	54669			-	157	84478	
09	.63851	26398	44140		19	.63972	07542	73679	
	+ 12	08823	88160			+ 12	07246	77499	
	-	157	57650			-	157	87454	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

44^c	Sine.			44^c	Sine.				
20'	.63984	14789	51178	30'	.64104	78569	24813		
	+	12	07088	90045		+	12	05508	51741
	-		157	90435		-		158	20196
21	.63996	21878	41223	31	.64116	84077	76554		
	+	12	06930	99610		+	12	05350	31545
	-		157	93412		-		158	23170
22	.64008	28809	40833	32	.64128	89428	08099		
	+	12	06773	06198		+	12	05192	08375
	-		157	96390		-		158	26145
23	.64020	35582	47031	33	.64140	94620	16474		
	+	12	06615	09808		+	12	05033	82230
	-		157	99366		-		158	29117
24	.64032	42197	56839	34	.64152	99653	98704		
	+	12	06457	10442		+	12	04875	53113
	-		158	02344		-		158	32090
25	.64044	48654	67281	35	.64165	04529	51817		
	+	12	06299	08098		+	12	04717	21023
	-		158	05320		-		158	35063
26	.64056	54953	75379	36	.64177	09246	72840		
	+	12	06141	02778		+	12	04558	85960
	-		158	08296		-		158	38034
27	.64068	61094	78157	37	.64189	13805	58800		
	+	12	05982	94482		+	12	04400	47926
	-		158	11272		-		158	41008
28	.64080	67077	72639	38	.64201	18206	06726		
	+	12	05824	83210		+	12	04242	06918
	-		158	14246		-		158	43978
29	.64092	72902	55849	39	.64213	22448	13644		
	+	12	05666	68964		+	12	04083	62940
	-		158	17223		-		158	46948

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

44^c	Sine.				44^c	Sine.			
40'	.64225	26531	76584		50'	.64345	58647	33779	
	+	12	03925	15992		+	12	02338	83185
	-		158	49920		-		158	79604
41	.64237	30456	92576		51	.64357	60986	16964	
	+	12	03766	66072		+	12	02180	03581
	-		158	52890		-		158	82570
42	.64249	34223	58648		52	.64369	63166	20545	
	+	12	03608	13182		+	12	02021	21011
	-		158	55860		-		158	85536
43	.64261	37831	71830		53	.64381	65187	41556	
	+	12	03449	57322		+	12	01862	35475
	-		158	58828		-		158	88501
44	.64273	41281	29152		54	.64393	67049	77031	
	+	12	03290	98494		+	12	01703	46974
	-		158	61798		-		158	91466
45	.64285	44572	27646		55	.64405	68753	24005	
	+	12	03132	36696		+	12	01544	55508
	-		158	64767		-		158	94432
46	.64297	47704	64342		56	.64417	70297	79513	
	+	12	02973	71929		+	12	01385	61076
	-		158	67735		-		158	97394
47	.64309	50678	36271		57	.64429	71683	40589	
	+	12	02815	04194		+	12	01226	63682
	-		158	70702		-		159	00361
48	.64321	53493	40465		58	.64441	72910	04271	
	+	12	02656	33492		+	12	01067	63321
	-		158	73670		-		159	03322
49	.64333	56149	73957		59	.64453	73977	67592	
	+	12	02497	59822		+	12	00908	59999
	-		158	76637		-		159	06286

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

44^c	Sine.			44^c	Sine.		
60'	.64465	74886	27591	70'	.64585	75218	93134
+ 12	00749	53713		+ 11	99157	27968	
-	159	09248		-	159	38854	
61	.64477	75635	81304	71	.64597	74376	21102
+ 12	00590	44465		+ 11	98997	89114	
-	159	12212		-	159	41812	
62	.64489	76226	25769	72	.64609	73374	10216
+ 12	00431	32253		+ 11	98838	47302	
-	159	15172		-	159	44772	
63	.64501	76657	58022	73	.64621	72212	57518
+ 12	00272	17081		+ 11	98679	02530	
-	159	18135		-	159	47728	
64	.64513	76929	75103	74	.64633	70891	60048
+ 12	00112	98946		+ 11	98519	54802	
-	159	21096		-	159	50686	
65	.64525	77042	74049	75	.64645	69411	14850
+ 11	99953	77850		+ 11	98360	04116	
-	159	24056		-	159	53642	
66	.64537	76996	51899	76	.64657	67771	18966
+ 11	99794	53794		+ 11	98200	50474	
-	159	27017		-	159	56599	
67	.64549	76791	05693	77	.64669	65971	69440
+ 11	99635	26777		+ 11	98040	93875	
-	159	29977		-	159	59555	
68	.64561	76426	32470	78	.64681	64012	63315
+ 11	99475	96800		+ 11	97881	34320	
-	159	32936		-	159	62511	
69	.64573	75902	29270	79	.64693	61893	97635
+ 11	99316	63864		+ 11	97721	71809	
-	159	35896		-	159	65465	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

44^c	Sine.				44^c	Sine.			
80'	.64705	59615	69444		90'	.64825	28046	99491	
	+	11	97562	06344		+	11	95963	89232
	-		159	68422		-		159	97947
81	.64717	57177	75788		91	.64837	24010	88723	
	+	11	97402	37922		+	11	95803	91285
	-		159	71374		-		160	00899
82	.64729	54580	13710		92	.64849	19814	80008	
	+	11	97242	66548		+	11	95643	90386
	-		159	74330		-		160	03849
83	.64741	51822	80258		93	.64861	15458	70394	
	+	11	97082	92218		+	11	95483	86537
	-		159	77283		-		160	06797
84	.64753	48905	72476		94	.64873	10942	56931	
	+	11	96923	14935		+	11	95323	79740
	-		159	80236		-		160	09748
85	.64765	45828	87411		95	.64885	06266	36671	
	+	11	96763	34699		+	11	95163	69992
	-		159	83189		-		160	12696
86	.64777	42592	22110		96	.64897	01430	06663	
	+	11	96603	51510		+	11	95003	57296
	-		159	86142		-		160	15646
87	.64789	39195	73620		97	.64908	96433	63959	
	+	11	96443	65368		+	11	94843	41650
	-		159	89094		-		160	18592
88	.64801	35639	38988		98	.64920	91277	05609	
	+	11	96283	76274		+	11	94683	23058
	-		159	92045		-		160	21541
89	.64813	31923	15262		99	.64932	85960	28667	
	+	11	96123	84229		+	11	94523	01517
	-		159	94997		-		160	24489

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

45^c	Sine.			45^c	Sine.				
00'	.64944	80483	30184	10'	.65064	16895	12376		
	+	11	94362	77028		+	11	92758	70128
	-		160	27435		-		160	56883
01	.64956	74846	07212	11	.65076	09653	82504		
	+	11	94202	49593		+	11	92598	13245
	-		160	30381		-		160	59827
02	.64968	69048	56805	12	.65088	02251	95749		
	+	11	94042	19212		+	11	92437	53418
	-		160	33329		-		160	62767
03	.64980	63090	76017	13	.65099	94689	49167		
	+	11	93881	85883		+	11	92276	90651
	-		160	36273		-		160	65710
04	.64992	56972	61900	14	.65111	86966	39818		
	+	11	93721	49610		+	11	92116	24941
	-		160	39220		-		160	68652
05	.65004	50694	11510	15	.65123	79082	64759		
	+	11	93561	10390		+	11	91955	56289
	-		160	42164		-		160	71592
06	.65016	44255	21900	16	.65135	71038	21048		
	+	11	93400	68226		+	11	91794	84697
	-		160	45108		-		160	74532
07	.65028	37655	90126	17	.65147	62833	05745		
	+	11	93240	23118		+	11	91634	10165
	-		160	48053		-		160	77474
08	.65040	30896	13244	18	.65159	54467	15910		
	+	11	93079	75065		+	11	91473	32691
	-		160	50998		-		160	80413
09	.65052	23975	88309	19	.65171	45940	48601		
	+	11	92919	24067		+	11	91312	52278
	-		160	53939		-		160	83353

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

45^c	Sine.			45^c	Sine.				
20'	.65183	37253	00879	30'	.65302	41527	54461		
	+	11	91151	68925		+	11	89541	73818
	-		160	86291		-		161	15659
21	.65195	28404	69804	31	.65314	31069	28279		
	+	11	90990	82634		+	11	89380	58159
	-		160	89230		-		161	18596
22	.65207	19395	52438	32	.65326	20449	86438		
	+	11	90829	93404		+	11	89219	39563
	-		160	92168		-		161	21528
23	.65219	10225	45842	33	.65338	09669	26001		
	+	11	90669	01236		+	11	89058	18035
	-		160	95107		-		161	24464
24	.65231	00894	47078	34	.65349	98727	44036		
	+	11	90508	06129		+	11	88896	93571
	-		160	98044		-		161	27396
25	.65242	91402	53207	35	.65361	87624	37607		
	+	11	90347	08085		+	11	88735	66175
	-		161	00980		-		161	30329
26	.65254	81749	61292	36	.65373	76360	03782		
	+	11	90186	07105		+	11	88574	35846
	-		161	03918		-		161	33263
27	.65266	71935	68397	37	.65385	64934	39628		
	+	11	90025	03187		+	11	88413	02583
	-		161	06854		-		161	36195
28	.65278	61960	71584	38	.65397	53347	42211		
	+	11	89863	96333		+	11	88251	66388
	-		161	09789		-		161	39126
29	.65290	51824	67917	39	.65409	41599	08599		
	+	11	89702	86544		+	11	88090	27262
	-		161	12726		-		161	42058

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

45^c	Sine.				45^c	Sine.			
40'	.65421	29689	35861		50'	.65540	01709	11794	
	+	11	87928	85204		+	11	86313	03480
	-		161	44989		-		161	74278
41	.65433	17618	21065		51	.65551	88022	15274	
	+	11	87767	40215		+	11	86151	29202
	-		161	47920		-		161	77205
42	.65445	05385	61280		52	.65563	74173	44476	
	+	11	87605	92295		+	11	85989	51997
	-		161	50849		-		161	80132
43	.65456	92991	53575		53	.65575	60162	96473	
	+	11	87444	41446		+	11	85827	71865
	-		161	53781		-		161	83056
44	.65468	80435	95021		54	.65587	45990	68338	
	+	11	87282	87665		+	11	85665	88809
	-		161	56709		-		161	85983
45	.65480	67718	82686		55	.65599	31656	57147	
	+	11	87121	30956		+	11	85504	02826
	-		161	59639		-		161	88907
46	.65492	54840	13642		56	.65611	17160	59973	
	+	11	86959	71317		+	11	85342	13919
	-		161	62567		-		161	91833
47	.65504	41799	84959		57	.65623	02502	73892	
	+	11	86798	08750		+	11	85180	22086
	-		161	65496		-		161	94756
48	.65516	28597	93709		58	.65634	87682	95978	
	+	11	86636	43254		+	11	85018	27330
	-		161	68423		-		161	97682
49	.65528	15234	36963		59	.65646	72701	23308	
	+	11	86474	74831		+	11	84856	29648
	-		161	71351		-		162	00603

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

45^c	Sine.			45^c	Sine.		
60'	.65658	57557	52956	70'	.65776	97205	34036
+ 11	84694	29045		+ 11	83072	62298	
-	162	03527		-	162	32736	
61	.65670	42251	82001	71	.65788	80277	96334
+ 11	84532	25518		+ 11	82910	29562	
-	162	06451		-	162	35656	
62	.65682	26784	07519	72	.65800	63188	25896
+ 11	84370	19067		+ 11	82747	93906	
-	162	09372		-	162	38573	
63	.65694	11154	26586	73	.65812	45936	19802
+ 11	84208	09695		+ 11	82585	55333	
-	162	12293		-	162	41491	
64	.65705	95362	36281	74	.65824	28521	75135
+ 11	84045	97402		+ 11	82423	13842	
-	162	15217		-	162	44409	
65	.65717	79408	33683	75	.65836	10944	88977
+ 11	83883	82185		+ 11	82260	69433	
-	162	18137		-	162	47326	
66	.65729	63292	15868	76	.65847	93205	58410
+ 11	83721	64048		+ 11	82098	22107	
-	162	21057		-	162	50243	
67	.65741	47013	79916	77	.65859	75303	80517
+ 11	83559	42991		+ 11	81935	71864	
-	162	23977		-	162	53158	
68	.65753	30573	22907	78	.65871	57239	52381
+ 11	83397	19014		+ 11	81773	18706	
-	162	26899		-	162	56076	
69	.65765	13970	41921	79	.65883	39012	71087
+ 11	83234	92115		+ 11	81610	62630	
-	162	29817		-	162	58990	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

45^c	Sine.				45^c	Sine.			
80'	.65895	20623	33717		90'	.66013	27782	34689	
	+	11	81448	03640		+	11	79820	53471
	-		162	61906		-		162	91034
81	.65907	02071	37357		91	.66025	07602	88160	
	+	11	81285	41734		+	11	79657	62437
	-		162	64819		-		162	93945
82	.65918	83356	79091		92	.66036	87260	50597	
	+	11	81122	76915		+	11	79494	68492
	-		162	67736		-		162	96856
83	.65930	64479	56006		93	.66048	66755	19089	
	+	11	80960	09179		+	11	79331	71636
	-		162	70647		-		162	99765
84	.65942	45439	65185		94	.66060	46086	90725	
	+	11	80797	38532		+	11	79168	71871
	-		162	73563		-		163	02675
85	.65954	26237	03717		95	.66072	25255	62596	
	+	11	80634	64969		+	11	79005	69196
	-		162	76474		-		163	05584
86	.65966	06871	68686		96	.66084	04261	31792	
	+	11	80471	88495		+	11	78842	63612
	-		162	79389		-		163	08493
87	.65977	87343	57181		97	.66095	83103	95404	
	+	11	80309	09106		+	11	78679	55119
	-		162	82299		-		163	11400
88	.65989	67652	66287		98	.66107	61783	50523	
	+	11	80146	26807		+	11	78516	43719
	-		162	85212		-		163	14309
89	.66001	47798	93094		99	.66119	40299	94242	
	+	11	79983	41595		+	11	78353	29410
	-		162	88124		-		163	17216

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

46^c	Sine.				46^c	Sine.			
00'	.66131	18653	23652		10'	.66248	93206	91327	
	+	11	78190	12194		+	11	76556	80209
	-		163	20124		-		163	49171
01	.66142	96843	35846		11	.66260	69763	71536	
	+	11	78026	92070		+	11	76393	31038
	-		163	23029		-		163	52075
02	.66154	74870	27916		12	.66272	46157	02574	
	+	11	77863	69041		+	11	76229	78963
	-		163	25937		-		163	54977
03	.66166	52733	96957		13	.66284	22386	81537	
	+	11	77700	43104		+	11	76066	23986
	-		163	28842		-		163	57878
04	.66178	30434	40061		14	.66295	98453	05523	
	+	11	77537	14262		+	11	75902	66108
	-		163	31747		-		163	60780
05	.66190	07971	54323		15	.66307	74355	71631	
	+	11	77373	82515		+	11	75739	05328
	-		163	34653		-		163	63680
06	.66201	85345	36838		16	.66319	50094	76959	
	+	11	77210	47862		+	11	75575	41648
	-		163	37557		-		163	66583
07	.66213	62555	84700		17	.66331	25670	18607	
	+	11	77047	10305		+	11	75411	75065
	-		163	40462		-		163	69481
08	.66225	39602	95005		18	.66343	01081	93672	
	+	11	76883	69843		+	11	75248	05584
	-		163	43364		-		163	72382
09	.66237	16486	64848		19	.66354	76329	99256	
	+	11	76720	26479		+	11	75084	33202
	-		163	46270		-		163	75280

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

46^c	Sine.				46^c	Sine.			
20'	.66366	51414	32458		30'	.66483	93246	45827	
	+	11	74920	57922		+	11	73281	45733
	-		163	78181		-		164	07147
21	.66378	26334	90380		31	.66495	66527	91560	
	+	11	74756	79741		+	11	73117	38586
	-		163	81078		-		164	10043
22	.66390	01091	70121		32	.66507	39645	30146	
	+	11	74592	98663		+	11	72953	28543
	-		163	83977		-		164	12936
23	.66401	75684	68784		33	.66519	12598	58689	
	+	11	74429	14686		+	11	72789	15607
	-		163	86874		-		164	15830
24	.66413	50113	83470		34	.66530	85387	74296	
	+	11	74265	27812		+	11	72624	99777
	-		163	89773		-		164	18724
25	.66425	24379	11282		35	.66542	58012	74073	
	+	11	74101	38039		+	11	72460	81053
	-		163	92668		-		164	21616
26	.66436	98480	49321		36	.66554	30473	55126	
	+	11	73937	45371		+	11	72296	59437
	-		163	95566		-		164	24509
27	.66448	72417	94692		37	.66566	02770	14563	
	+	11	73773	49805		+	11	72132	34928
	-		163	98461		-		164	27401
28	.66460	46191	44497		38	.66577	74902	49491	
	+	11	73609	51344		+	11	71968	07527
	-		164	01358		-		164	30293
29	.66472	19800	95841		39	.66589	46870	57018	
	+	11	73445	49986		+	11	71803	77234
	-		164	04253		-		164	33185

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

46^c	Sine.				46^c	Sine.			
40'	.66601	18674	34252		50'	.66718	27669	04600	
	+	11	71639	44049		+	11	69994	53276
	-		164	36074		-		164	64962
41	.66612	90313	78301		51	.66729	97663	57876	
	+	11	71475	07975		+	11	69829	88314
	-		164	38965		-		164	67848
42	.66624	61788	86276		52	.66741	67493	46190	
	+	11	71310	69010		+	11	69665	20466
	-		164	41857		-		164	70734
43	.66636	33099	55286		53	.66753	37158	66656	
	+	11	71146	27153		+	11	69500	49732
	-		164	44744		-		164	73621
44	.66648	04245	82439		54	.66765	06659	16388	
	+	11	70981	82409		+	11	69335	76111
	-		164	47635		-		164	76504
45	.66659	75227	64848		55	.66776	75994	92499	
	+	11	70817	34774		+	11	69170	99607
	-		164	50524		-		164	79390
46	.66671	46044	99622		56	.66788	45165	92106	
	+	11	70652	84250		+	11	69006	20217
	-		164	53412		-		164	82274
47	.66683	16697	83872		57	.66800	14172	12323	
	+	11	70488	30838		+	11	68841	37943
	-		164	56299		-		164	85159
48	.66694	87186	14710		58	.66811	83013	50266	
	+	11	70323	74539		+	11	68676	52784
	-		164	59188		-		164	88041
49	.66706	57509	89249		59	.66823	51690	03050	
	+	11	70159	15351		+	11	68511	64743
	-		164	62075		-		164	90925

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

46^c	Sine.				46^c	Sine.			
60'	.66835	20201	67793		70'	.66951	96243	38816	
	+	11	68346	73818		+	11	66696	06081
	-		164	93809		-		165	22613
61	.66846	88548	41611		71	.66963	62939	44897	
	+	11	68181	80009		+	11	66530	83468
	-		164	96689		-		165	25492
62	.66858	56730	21620		72	.66975	29470	28365	
	+	11	68016	83320		+	11	66365	57976
	-		164	99573		-		165	28369
63	.66870	24747	04940		73	.66986	95835	86341	
	+	11	67851	83747		+	11	66200	29607
	-		165	02454		-		165	31247
64	.66881	92598	88687		74	.66998	62036	15948	
	+	11	67686	81293		+	11	66034	98360
	-		165	05334		-		165	34124
65	.66893	60285	69980		75	.67010	28071	14308	
	+	11	67521	75959		+	11	65869	64236
	-		165	08216		-		165	37001
66	.66905	27807	45939		76	.67021	93940	78544	
	+	11	67356	67743		+	11	65704	27235
	-		165	11096		-		165	39877
67	.66916	95164	13682		77	.67033	59645	05779	
	+	11	67191	56647		+	11	65538	87358
	-		165	13976		-		165	42752
68	.66928	62355	70329		78	.67045	25183	93137	
	+	11	67026	42671		+	11	65373	44606
	-		165	16855		-		165	45629
69	.66940	29382	13000		79	.67056	90557	37743	
	+	11	66861	25816		+	11	65207	98977
	-		165	19735		-		165	48503

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

46^c	Sine.				46^c	Sine.			
80'	.67068	55765	36720		90'	.67184	98738	84635	
	+	11	65042	50474		+	11	63386	07405
	-		165	51378		-		165	80103
81	.67080	20807	87194		91	.67196	62124	92040	
	+	11	64876	99096		+	11	63220	27302
	-		165	54252		-		165	82971
82	.67091	85684	86290		92	.67208	25345	19342	
	+	11	64711	44844		+	11	63054	44331
	-		165	57125		-		165	85841
83	.67103	50396	31134		93	.67219	88399	63673	
	+	11	64545	87719		+	11	62888	58490
	-		165	60001		-		165	88712
84	.67115	14942	18853		94	.67231	51288	22163	
	+	11	64380	27718		+	11	62722	69778
	-		165	62871		-		165	91579
85	.67126	79322	46571		95	.67243	14010	91941	
	+	11	64214	64847		+	11	62556	78199
	-		165	65746		-		165	94449
86	.67138	43537	11418		96	.67254	76567	70140	
	+	11	64048	99101		+	11	62390	83750
	-		165	68616		-		165	97316
87	.67150	07586	10519		97	.67266	38958	53890	
	+	11	63883	30485		+	11	62224	86434
	-		165	71489		-		166	00184
88	.67161	71469	41004		98	.67278	01183	40324	
	+	11	63717	58996		+	11	62058	86250
	-		165	74361		-		166	03051
89	.67173	35187	00000		99	.67289	63242	26574	
	+	11	63551	84635		+	11	61892	83199
	-		165	77230		-		166	05918

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

47^c	Sine.				47^c	Sine.			
00'	.67301	25135	09773		10'	.67417	34925	43437	
	+	11	61726	77281		+	11	60064	60512
	-		166	08785		-		166	37426
01	.67312	86861	87054		11	.67428	94990	03949	
	+	11	61560	68496		+	11	59898	23086
	-		166	11650		-		166	40288
02	.67324	48422	55550		12	.67440	54888	27035	
	+	11	61394	56846		+	11	59731	82798
	-		166	14517		-		166	43151
03	.67336	09817	12396		13	.67452	14620	09833	
	+	11	61228	42329		+	11	59565	39647
	-		166	17381		-		166	46010
04	.67347	71045	54725		14	.67463	74185	49480	
	+	11	61062	24948		+	11	59398	93637
	-		166	20246		-		166	48872
05	.67359	32107	79673		15	.67475	33584	43117	
	+	11	60896	04702		+	11	59232	44765
	-		166	23112		-		166	51732
06	.67370	93003	84375		16	.67486	92816	87882	
	+	11	60729	81590		+	11	59065	93033
	-		166	25973		-		166	54592
07	.67382	53733	65965		17	.67498	51882	80915	
	+	11	60563	55617		+	11	58899	38441
	-		166	28839		-		166	57452
08	.67394	14297	21582		18	.67510	10782	19356	
	+	11	60397	26778		+	11	58732	80989
	-		166	31701		-		166	60310
09	.67405	74694	48360		19	.67521	69515	00345	
	+	11	60230	95077		+	11	58566	20679
	-		166	34565		-		166	63169

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

47^c	Sine.				47^c	Sine.			
20'	.67533	28081	21024		30'	.67649	04573	82041	
	+	11	58399	57510		+	11	56731	68684
	-		166	66027		-		166	94587
21	.67544	86480	78534		31	.67660	61305	50725	
	+	11	58232	91483		+	11	56564	74097
	-		166	68886		-		166	97441
22	.67556	44713	70017		32	.67672	17870	24822	
	+	11	58066	22597		+	11	56397	76656
	-		166	71742		-		167	00294
23	.67568	02779	92614		33	.67683	74268	01478	
	+	11	57899	50855		+	11	56230	76362
	-		166	74599		-		167	03148
24	.67579	60679	43469		34	.67695	30498	77840	
	+	11	57732	76256		+	11	56063	73214
	-		166	77457		-		167	05998
25	.67591	18412	19725		35	.67706	86562	51054	
	+	11	57565	98799		+	11	55896	67216
	-		166	80312		-		167	08852
26	.67602	75978	18524		36	.67718	42459	18270	
	+	11	57399	18487		+	11	55729	58364
	-		166	83169		-		167	11703
27	.67614	33377	37011		37	.67729	98188	76634	
	+	11	57232	35318		+	11	55562	46661
	-		166	86023		-		167	14555
28	.67625	90609	72329		38	.67741	53751	23295	
	+	11	57065	49295		+	11	55395	32106
	-		166	88878		-		167	17405
29	.67637	47675	21624		39	.67753	09146	55401	
	+	11	56898	60417		+	11	55228	14701
	-		166	91733		-		167	20255

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

47^c	Sine.			47^c	Sine.				
40'	.67764	64374	70102	50'	.67880	07455	32942		
	+	11	55060	94446		+	11	53387	35207
	-		167	23106		-		167	51582
41	.67776	19435	64548	51	.67891	60842	68149		
	+	11	54893	71340		+	11	53219	83625
	-		167	25955		-		167	54429
42	.67787	74329	35888	52	.67903	14062	51774		
	+	11	54726	45385		+	11	53052	29196
	-		167	28805		-		167	57273
43	.67799	29055	81273	53	.67914	67114	80970		
	+	11	54559	16580		+	11	52884	71923
	-		167	31653		-		167	60118
44	.67810	83614	97853	54	.67926	19999	52893		
	+	11	54391	84927		+	11	52717	11805
	-		167	34501		-		167	62962
45	.67822	38006	82780	55	.67937	72716	64698		
	+	11	54224	50426		+	11	52549	48843
	-		167	37350		-		167	65807
46	.67833	92231	33206	56	.67949	25266	13541		
	+	11	54057	13076		+	11	52381	83036
	-		167	40196		-		167	68648
47	.67845	46288	46282	57	.67960	77647	96577		
	+	11	53889	72880		+	11	52214	14388
	-		167	43045		-		167	71494
48	.67857	00178	19162	58	.67972	29862	10965		
	+	11	53722	29835		+	11	52046	42894
	-		167	45890		-		167	74334
49	.67868	53900	48997	59	.67983	81908	53859		
	+	11	53554	83945		+	11	51878	68560
	-		167	48738		-		167	77177

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

47^c	Sine.			47^c	Sine.				
60'	.67995	33787	22419	70'	.68110	43341	94527		
	+	11	51710	91383		+	11	50031	63384
	-		167	80019		-		168	08412
61	.68006	85498	13802	71	.68121	93373	57911		
	+	11	51543	11364		+	11	49863	54972
	-		167	82861		-		168	11252
62	.68018	37041	25166	72	.68133	43237	12883		
	+	11	51375	28503		+	11	49695	43720
	-		167	85700		-		168	14086
63	.68029	88416	53669	73	.68144	92932	56603		
	+	11	51207	42803		+	11	49527	29634
	-		167	88542		-		168	16925
64	.68041	39623	96472	74	.68156	42459	86237		
	+	11	51039	54261		+	11	49359	12709
	-		167	91381		-		168	19759
65	.68052	90663	50733	75	.68167	91818	98946		
	+	11	50871	62880		+	11	49190	92950
	-		167	94222		-		168	22595
66	.68064	41535	13613	76	.68179	41009	91896		
	+	11	50703	68658		+	11	49022	70355
	-		167	97061		-		168	25430
67	.68075	92238	82271	77	.68190	90032	62251		
	+	11	50535	71597		+	11	48854	44925
	-		167	99899		-		168	28265
68	.68087	42774	53868	78	.68202	38887	07176		
	+	11	50367	71698		+	11	48686	16660
	-		168	02737		-		168	31100
69	.68098	93142	25566	79	.68213	87573	23836		
	+	11	50199	68961		+	11	48517	85560
	-		168	05577		-		168	33932

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

47^c	Sine.				47^c	Sine.			
80'	.68225	36091	09396		90'	.68340	12006	31306	
	+	11	48349	51628		+	11	46664	56527
	-		168	36767		-		168	65078
81	.68236	84440	61024		91	.68351	58670	87833	
	+	11	48181	14861		+	11	46495	91449
	-		168	39599		-		168	67907
82	.68248	32621	75885		92	.68363	05166	79282	
	+	11	48012	75262		+	11	46327	23542
	-		168	42433		-		168	70735
83	.68259	80634	51147		93	.68374	51494	02824	
	+	11	47844	32829		+	11	46158	52807
	-		168	45263		-		168	73564
84	.68271	28478	83976		94	.68385	97652	55631	
	+	11	47675	87566		+	11	45989	79243
	-		168	48097		-		168	76391
85	.68282	76154	71542		95	.68397	43642	34874	
	+	11	47507	39469		+	11	45821	02852
	-		168	50927		-		168	79217
86	.68294	23662	11011		96	.68408	89463	37726	
	+	11	47338	88542		+	11	45652	23635
	-		168	53759		-		168	82046
87	.68305	71000	99553		97	.68420	35115	61361	
	+	11	47170	34783		+	11	45483	41589
	-		168	56588		-		168	84871
88	.68317	18171	34336		98	.68431	80599	02950	
	+	11	47001	78195		+	11	45314	56718
	-		168	59420		-		168	87697
89	.68328	65173	12531		99	.68443	25913	59668	
	+	11	46833	18775		+	11	45145	69021
	-		168	62248		-		168	90523

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

48^c	Sine.				48^c	Sine.			
00'	.68454	71059	28689		10'	.68569	13221	74136	
	+	11	44976	78498		+	11	43286	17957
	-		168	93348		-		169	21575
01	.68466	16036	07187		11	.68580	56507	92093	
	+	11	44807	85150		+	11	43116	96382
	-		168	96173		-		169	24398
02	.68477	60843	92337		12	.68591	99624	88475	
	+	11	44638	88977		+	11	42947	71984
	-		168	98996		-		169	27216
03	.68489	05482	81314		13	.68603	42572	60459	
	+	11	44469	89981		+	11	42778	44768
	-		169	01822		-		169	30037
04	.68500	49952	71295		14	.68614	85351	05227	
	+	11	44300	88159		+	11	42609	14731
	-		169	04643		-		169	32855
05	.68511	94253	59454		15	.68626	27960	19958	
	+	11	44131	83516		+	11	42439	81876
	-		169	07468		-		169	35675
06	.68523	38385	42970		16	.68637	70400	01834	
	+	11	43962	76048		+	11	42270	46201
	-		169	10289		-		169	38493
07	.68534	82348	19018		17	.68649	12670	48035	
	+	11	43793	65759		+	11	42101	07708
	-		169	13113		-		169	41311
08	.68546	26141	84777		18	.68660	54771	55743	
	+	11	43624	52646		+	11	41931	66397
	-		169	15933		-		169	44129
09	.68557	69766	37423		19	.68671	96703	22140	
	+	11	43455	36713		+	11	41762	22268
	-		169	18756		-		169	46945

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

48^c	Sine.				48^c	Sine.			
20'	.68683	38465	44408		30'	.68797	46762	20440	
	+	11	41592	75323		+	11	39896	51011
	-		169	49764		-		169	77907
21	.68694	80058	19731		31	.68808	86658	71451	
	+	11	41423	25559		+	11	39726	73104
	-		169	52578		-		169	80720
22	.68706	21481	45290		32	.68820	26385	44555	
	+	11	41253	72981		+	11	39556	92384
	-		169	55395		-		169	83532
23	.68717	62735	18271		33	.68831	65942	36939	
	+	11	41084	17586		+	11	39387	08852
	-		169	58210		-		169	86341
24	.68729	03819	35857		34	.68843	05329	45791	
	+	11	40914	59376		+	11	39217	22511
	-		169	61026		-		169	89154
25	.68740	44733	95233		35	.68854	44546	68302	
	+	11	40744	98350		+	11	39047	33357
	-		169	63841		-		169	91964
26	.68751	85478	93583		36	.68865	83594	01659	
	+	11	40575	34509		+	11	38877	41393
	-		169	66653		-		169	94774
27	.68763	26054	28092		37	.68877	22471	43052	
	+	11	40405	67856		+	11	38707	46619
	-		169	69469		-		169	97584
28	.68774	66459	95948		38	.68888	61178	89671	
	+	11	40235	98387		+	11	38537	49035
	-		169	72282		-		170	00393
29	.68786	06695	94335		39	.68899	99716	38706	
	+	11	40066	26105		+	11	38367	48642
	-		169	75094		-		170	03201

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

48^c	Sine.			48^c	Sine.				
40'	.68911	38083	87348	50'	.69025	12402	34437		
	+	11	38197	45441		+	11	36495	59032
	-		170	06010		-		170	34070
41	.68922	76281	32789	51	.69036	48897	93469		
	+	11	38027	39431		+	11	36325	24962
	-		170	08818		-		170	36876
42	.68934	14308	72220	52	.69047	85223	18431		
	+	11	37857	30613		+	11	36154	88086
	-		170	11626		-		170	39677
43	.68945	52166	02833	53	.69059	21378	06517		
	+	11	37687	18987		+	11	35984	48409
	-		170	14432		-		170	42481
44	.68956	89853	21820	54	.69070	57362	54926		
	+	11	37517	04555		+	11	35814	05928
	-		170	17240		-		170	45284
45	.68968	27370	26375	55	.69081	93176	60854		
	+	11	37346	87315		+	11	35643	60644
	-		170	20045		-		170	48085
46	.68979	64717	13690	56	.69093	28820	21498		
	+	11	37176	67270		+	11	35473	12559
	-		170	22853		-		170	50887
47	.68991	01893	80960	57	.69104	64293	34057		
	+	11	37006	44417		+	11	35302	61672
	-		170	25656		-		170	53689
48	.69002	38900	25377	58	.69115	99595	95729		
	+	11	36836	18761		+	11	35132	07983
	-		170	28462		-		170	56489
49	.69013	75736	44138	59	.69127	34728	03712		
	+	11	36665	90299		+	11	34961	51494
	-		170	31267		-		170	59289

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

48^c	Sine.			48^c	Sine.		
60'	.69138	69689	55206	70'	.69252	09917	47359
+ 11	34790	92205		+ 11	33083	45378	
-	170	62090		-	170	90066	
61	.69150	04480	47411	71	.69263	43000	92737
+ 11	34620	30115		+ 11	32912	55312	
-	170	64890		-	170	92862	
62	.69161	39100	77526	72	.69274	75913	48049
+ 11	34449	65225		+ 11	32741	62450	
-	170	67687		-	170	95656	
63	.69172	73550	42751	73	.69286	08655	10499
+ 11	34278	97538		+ 11	32570	66794	
-	170	70488		-	170	98451	
64	.69184	07829	40289	74	.69297	41225	77293
+ 11	34108	27050		+ 11	32399	68343	
-	170	73285		-	171	01246	
65	.69195	41937	67339	75	.69308	73625	45636
+ 11	33937	53765		+ 11	32228	67097	
-	170	76084		-	171	04038	
66	.69206	75875	21104	76	.69320	05854	12733
+ 11	33766	77681		+ 11	32057	63059	
-	170	78880		-	171	06832	
67	.69218	09641	98785	77	.69331	37911	75792
+ 11	33595	98801		+ 11	31886	56227	
-	170	81677		-	171	09625	
68	.69229	43237	97586	78	.69342	69798	32019
+ 11	33425	17124		+ 11	31715	46602	
-	170	84475		-	171	12418	
69	.69240	76663	14710	79	.69354	01513	78621
+ 11	33254	32649		+ 11	31544	34184	
-	170	87271		-	171	15209	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

48^c	Sine.				48^c	Sine.			
80'	.69365	33058	12805		90'	.69478	39083	57673	
	+	11	31373	18975		+	11	29660	13417
	-		171	18000		-		171	45893
81	.69376	64431	31780		91	.69489	68743	71090	
	+	11	31202	00975		+	11	29488	67524
	-		171	20793		-		171	48680
82	.69387	95633	32755		92	.69500	98232	38614	
	+	11	31030	80182		+	11	29317	18844
	-		171	23582		-		171	51467
83	.69399	26664	12937		93	.69512	27549	57458	
	+	11	30859	56600		+	11	29145	67377
	-		171	26373		-		171	54252
84	.69410	57523	69537		94	.69523	56695	24835	
	+	11	30688	30227		+	11	28974	13125
	-		171	29163		-		171	57038
85	.69421	88211	99764		95	.69534	85669	37960	
	+	11	30517	01064		+	11	28802	56087
	-		171	31953		-		171	59824
86	.69433	18729	00828		96	.69546	14471	94047	
	+	11	30345	69111		+	11	28630	96263
	-		171	34740		-		171	62608
87	.69444	49074	69939		97	.69557	43102	90310	
	+	11	30174	34371		+	11	28459	33655
	-		171	37530		-		171	65392
88	.69455	79249	04310		98	.69568	71562	23965	
	+	11	30002	96841		+	11	28287	68263
	-		171	40319		-		171	68177
89	.69467	09252	01151		99	.69579	99849	92228	
	+	11	29831	56522		+	11	28116	00086
	-		171	43105		-		171	70959

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

49^c	Sine.				49^c	Sine.			
00'	.69591	27965	92314		10'	.69703	99677	31308	
	+	11	27944	29127		+	11	26225	66527
	-		171	73744		-		172	01551
01	.69602	55910	21441		11	.69715	25902	97835	
	+	11	27772	55383		+	11	26053	64976
	-		171	76526		-		172	04329
02	.69613	83682	76824		12	.69726	51956	62811	
	+	11	27600	78857		+	11	25881	60647
	-		171	79307		-		172	07108
03	.69625	11283	55681		13	.69737	77838	23458	
	+	11	27428	99550		+	11	25709	53539
	-		171	82090		-		172	09884
04	.69636	38712	55231		14	.69749	03547	76997	
	+	11	27257	17460		+	11	25537	43655
	-		171	84872		-		172	12661
05	.69647	65969	72691		15	.69760	29085	20652	
	+	11	27085	32588		+	11	25365	30994
	-		171	87652		-		172	15439
06	.69658	93055	05279		16	.69771	54450	51646	
	+	11	26913	44936		+	11	25193	15555
	-		171	90432		-		172	18216
07	.69670	19968	50215		17	.69782	79643	67201	
	+	11	26741	54504		+	11	25020	97339
	-		171	93213		-		172	20989
08	.69681	46710	04719		18	.69794	04664	64540	
	+	11	26569	61291		+	11	24848	76350
	-		171	95993		-		172	23767
09	.69692	73279	66010		19	.69805	29513	40890	
	+	11	26397	65298		+	11	24676	52583
	-		171	98771		-		172	26541

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

49^c	Sine.			49^c	Sine.				
20'	.69816	54189	93473	30'	.69928	91476	01868		
	+	11	24504	26042		+	11	22780	08097
	-		172	29316		-		172	57038
21	.69827	78694	19515	31	.69940	14256	09965		
	+	11	24331	96726		+	11	22607	51059
	-		172	32090		-		172	59809
22	.69839	03026	16241	32	.69951	36863	61024		
	+	11	24159	64636		+	11	22434	91250
	-		172	34864		-		172	62578
23	.69850	27185	80877	33	.69962	59298	52274		
	+	11	23987	29772		+	11	22262	28672
	-		172	37637		-		172	65347
24	.69861	51173	10649	34	.69973	81560	80946		
	+	11	23814	92135		+	11	22089	63325
	-		172	40409		-		172	68115
25	.69872	74988	02784	35	.69985	03650	44271		
	+	11	23642	51726		+	11	21916	95210
	-		172	43183		-		172	70884
26	.69883	98630	54510	36	.69996	25567	39481		
	+	11	23470	08543		+	11	21744	24326
	-		172	45955		-		172	73652
27	.69895	22100	63053	37	.70007	47311	63807		
	+	11	23297	62588		+	11	21571	50674
	-		172	48726		-		172	76418
28	.69906	45398	25641	38	.70018	68883	14481		
	+	11	23125	13862		+	11	21398	74256
	-		172	51497		-		172	79187
29	.69917	68523	39503	39	.70029	90281	88737		
	+	11	22952	62365		+	11	21225	95069
	-		172	54268		-		172	81952

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

49 ^c	Sine.				49 ^c	Sine.			
40'	.70041	11507	83806		50'	.70153	14257	70856	
	+	11	21053	13117		+	11	19323	41528
	-		172	84718		-		173	12355
41	.70052	32560	96923		51	.70164	33581	12384	
	+	11	20880	28399		+	11	19150	29173
	-		172	87484		-		173	15117
42	.70063	53441	25322		52	.70175	52731	41557	
	+	11	20707	40915		+	11	18977	14056
	-		172	90250		-		173	17879
43	.70074	74148	66237		53	.70186	71708	55613	
	+	11	20534	50665		+	11	18803	96177
	-		172	93014		-		173	20639
44	.70085	94683	16902		54	.70197	90512	51790	
	+	11	20361	57651		+	11	18630	75538
	-		172	95779		-		173	23398
45	.70097	15044	74553		55	.70209	09143	27328	
	+	11	20188	61872		+	11	18457	52140
	-		172	98542		-		173	26159
46	.70108	35233	36425		56	.70220	27600	79468	
	+	11	20015	63330		+	11	18284	25981
	-		173	01307		-		173	28918
47	.70119	55248	99755		57	.70231	45885	05449	
	+	11	19842	62023		+	11	18110	97063
	-		173	04068		-		173	31677
48	.70130	75091	61778		58	.70242	63996	02512	
	+	11	19669	57955		+	11	17937	65386
	-		173	06832		-		173	34435
49	.70141	94761	19733		59	.70253	81933	67898	
	+	11	19496	51123		+	11	17764	30951
	-		173	09595		-		173	37193

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

49^c	Sine.				49^c	Sine.			
60'	.70264	99697	98849		70'	.70376	67801	07891	
	+	11	17590	93758		+	11	15855	70233
	-		173	39950		-		173	67502
61	.70276	17288	92607		71	.70387	83656	78124	
	+	11	17417	53808		+	11	15682	02731
	-		173	42708		-		173	70256
62	.70287	34706	46415		72	.70398	99338	80855	
	+	11	17244	11100		+	11	15508	32475
	-		173	45464		-		173	73007
63	.70298	51950	57515		73	.70410	14847	13330	
	+	11	17070	65636		+	11	15334	59468
	-		173	48222		-		173	75760
64	.70309	69021	23151		74	.70421	30181	72798	
	+	11	16897	17414		+	11	15160	83708
	-		173	50975		-		173	78511
65	.70320	85918	40565		75	.70432	45342	56506	
	+	11	16723	66439		+	11	14987	05197
	-		173	53733		-		173	81263
66	.70332	02642	07004		76	.70443	60329	61703	
	+	11	16550	12706		+	11	14813	23934
	-		173	56486		-		173	84012
67	.70343	19192	19710		77	.70454	75142	85637	
	+	11	16376	56220		+	11	14639	39922
	-		173	59242		-		173	86764
68	.70354	35568	75930		78	.70465	89782	25559	
	+	11	16202	96978		+	11	14465	53158
	-		173	61995		-		173	89514
69	.70365	51771	72908		79	.70477	04247	78717	
	+	11	16029	34983		+	11	14291	63644
	-		173	64750		-		173	92261

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

49^c	Sine.				49^c	Sine.			
80'	.70488	18539	42361		90'	.70599	51885	50928	
	+	11	14117	71383		+	11	12376	97633
	-		173	95013		-		174	22477
81	.70499	32657	13744		91	.70610	64262	48561	
	+	11	13943	76370		+	11	12202	75156
	-		173	97759		-		174	25222
82	.70510	46600	90114		92	.70621	76465	23717	
	+	11	13769	78611		+	11	12028	49934
	-		174	00509		-		174	27966
83	.70521	60370	68725		93	.70632	88493	73651	
	+	11	13595	78102		+	11	11854	21968
	-		174	03255		-		174	30709
84	.70532	73966	46827		94	.70644	00347	95619	
	+	11	13421	74847		+	11	11679	91259
	-		174	06004		-		174	33452
85	.70543	87388	21674		95	.70655	12027	86878	
	+	11	13247	68843		+	11	11505	57807
	-		174	08750		-		174	36194
86	.70555	00635	90517		96	.70666	23533	44685	
	+	11	13073	60093		+	11	11331	21613
	-		174	11496		-		174	38938
87	.70566	13709	50610		97	.70677	34864	66298	
	+	11	12899	48597		+	11	11156	82675
	-		174	14243		-		174	41678
88	.70577	26608	99207		98	.70688	46021	48973	
	+	11	12725	34354		+	11	10982	40997
	-		174	16987		-		174	44419
89	.70588	39334	33561		99	.70699	57003	89970	
	+	11	12551	17367		+	11	10807	96578
	-		174	19734		-		174	47162

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

50^c	Sine.			50^c	Sine.		
00'	.70710	67811	86548	10'	.70821	66291	06476
	+ 11	10633	49416		+ 11	08887	27163
	-	174	49899		-	174	77282
01	.70721	78445	35964	11	.70832	75178	33639
	+ 11	10458	99517		+ 11	08712	49881
	-	174	52642		-	174	80016
02	.70732	88904	35481	12	.70843	83890	83520
	+ 11	10284	46875		+ 11	08537	69865
	-	174	55380		-	174	82751
03	.70743	99188	82356	13	.70854	92428	53385
	+ 11	10109	91495		+ 11	08362	87114
	-	174	58119		-	174	85488
04	.70755	09298	73851	14	.70866	00791	40499
	+ 11	09935	33376		+ 11	08188	01626
	-	174	60859		-	174	88220
05	.70766	19234	07227	15	.70877	08979	42125
	+ 11	09760	72517		+ 11	08013	13406
	-	174	63596		-	174	90955
06	.70777	28994	79744	16	.70888	16992	55531
	+ 11	09586	08921		+ 11	07838	22451
	-	174	66333		-	174	93688
07	.70788	38580	88665	17	.70899	24830	77982
	+ 11	09411	42588		+ 11	07663	28763
	-	174	69072		-	174	96422
08	.70799	47992	31253	18	.70910	32494	06745
	+ 11	09236	73516		+ 11	07488	32341
	-	174	71809		-	174	99153
09	.70810	57229	04769	19	.70921	39982	39086
	+ 11	09062	01707		+ 11	07313	33188
	-	174	74544		-	175	01887

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

50^c	Sine.			50^c	Sine.				
20'	.70932	47295	72274	30'	.71043	10798	49813		
	+	11	07138	31301		+	11	05386	62265
	-		175	04617		-		175	31912
21	.70943	54434	03575	31	.71054	16185	12078		
	+	11	06963	26684		+	11	05211	30353
	-		175	07350		-		175	34639
22	.70954	61397	30259	32	.71065	21396	42431		
	+	11	06788	19334		+	11	05035	95714
	-		175	10080		-		175	37365
23	.70965	68185	49593	33	.71076	26432	38145		
	+	11	06613	09254		+	11	04860	58349
	-		175	12811		-		175	40091
24	.70976	74798	58847	34	.71087	31292	96494		
	+	11	06437	96443		+	11	04685	18258
	-		175	15540		-		175	42817
25	.70987	81236	55290	35	.71098	35978	14752		
	+	11	06262	80903		+	11	04509	75441
	-		175	18270		-		175	45543
26	.70998	87499	36193	36	.71109	40487	90193		
	+	11	06087	62633		+	11	04334	29898
	-		175	21000		-		175	48267
27	.71009	93586	98826	37	.71120	44822	20091		
	+	11	05912	41633		+	11	04158	81631
	-		175	23727		-		175	50992
28	.71020	99499	40459	38	.71131	48981	01722		
	+	11	05737	17906		+	11	03983	30639
	-		175	26458		-		175	53715
29	.71032	05236	58365	39	.71142	52964	32361		
	+	11	05561	91448		+	11	03807	76924
	-		175	29183		-		175	56439

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

50^c	Sine.			50^c	Sine.				
40'	.71153	56772	09285	50'	.71263	85189	25205		
	+	11	03632	20485		+	11	01875	06395
	-		175	59162		-		175	86370
41	.71164	60404	29770	51	.71274	87064	31600		
	+	11	03456	61323		+	11	01699	20025
	-		175	61885		-		175	89087
42	.71175	63860	91093	52	.71285	88763	51625		
	+	11	03280	99438		+	11	01523	30938
	-		175	64608		-		175	91806
43	.71186	67141	90531	53	.71296	90286	82563		
	+	11	03105	34830		+	11	01347	39132
	-		175	67328		-		175	94523
44	.71197	70247	25361	54	.71307	91634	21695		
	+	11	02929	67502		+	11	01171	44609
	-		175	70051		-		175	97240
45	.71208	73176	92863	55	.71318	92805	66304		
	+	11	02753	97451		+	11	00995	47369
	-		175	72770		-		175	99957
46	.71219	75930	90314	56	.71329	93801	13673		
	+	11	02578	24681		+	11	00819	47412
	-		175	75493		-		176	02673
47	.71230	78509	14995	57	.71340	94620	61085		
	+	11	02402	49188		+	11	00643	44739
	-		175	78211		-		176	05388
48	.71241	80911	64183	58	.71351	95264	05824		
	+	11	02226	70977		+	11	00467	39351
	-		175	80932		-		176	08105
49	.71252	83138	35160	59	.71362	95731	45175		
	+	11	02050	90045		+	11	00291	31246
	-		175	83650		-		176	10818

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

50^c	Sine.			50^c	Sine.		
60'	.71373	96022	76421	70'	.71483	89245	46119
	+	11	00115	20428		+	10
	-		176	13533		-	176
61	.71384	96137	96849	71	.71494	87598	09138
	+	10	99939	06895		+	10
	-		176	16247		-	176
62	.71395	96077	03744	72	.71505	85774	31503
	+	10	99762	90648		+	10
	-		176	18962		-	176
63	.71406	95839	94392	73	.71516	83774	10505
	+	10	99586	71686		+	10
	-		176	21673		-	176
64	.71417	95426	66078	74	.71527	81597	43435
	+	10	99410	50013		+	10
	-		176	24386		-	176
65	.71428	94837	16091	75	.71538	79244	27583
	+	10	99234	25627		+	10
	-		176	27100		-	176
66	.71439	94071	41718	76	.71549	76714	60242
	+	10	99057	98527		+	10
	-		176	29810		-	176
67	.71450	93129	40245	77	.71560	74008	38703
	+	10	98881	68717		+	10
	-		176	32522		-	176
68	.71461	92011	08962	78	.71571	71125	60260
	+	10	98705	36195		+	10
	-		176	35233		-	176
69	.71472	90716	45157	79	.71582	68066	22205
	+	10	98529	00962		+	10
	-		176	37943		-	176

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

50^c	Sine.				50^c	Sine.			
80'	.71593	64830	21831		90'	.71703	22749	95440	
	+	10	96587	34602		+	10	94819	35613
	-		176	67731		-		176	94764
81	.71604	61417	56433		91	.71714	17569	31053	
	+	10	96410	66871		+	10	94642	40849
	-		176	70435		-		176	97464
82	.71615	57828	23304		92	.71725	12211	71902	
	+	10	96233	96436		+	10	94465	43385
	-		176	73141		-		177	00165
83	.71626	54062	19740		93	.71736	06677	15287	
	+	10	96057	23295		+	10	94288	43220
	-		176	75844		-		177	02865
84	.71637	50119	43035		94	.71747	00965	58507	
	+	10	95880	47451		+	10	94111	40355
	-		176	78550		-		177	05565
85	.71648	45999	90486		95	.71757	95076	98862	
	+	10	95703	68901		+	10	93934	34790
	-		176	81252		-		177	08264
86	.71659	41703	59387		96	.71768	89011	33652	
	+	10	95526	87649		+	10	93757	26526
	-		176	83955		-		177	10962
87	.71670	37230	47036		97	.71779	82768	60178	
	+	10	95350	03694		+	10	93580	15564
	-		176	86659		-		177	13661
88	.71681	32580	50730		98	.71790	76348	75742	
	+	10	95173	17035		+	10	93403	01903
	-		176	89360		-		177	16359
89	.71692	27753	67765		99	.71801	69751	77645	
	+	10	94996	27675		+	10	93225	85544
	-		176	92062		-		177	19056

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

51^c	Sine.			51^c	Sine.		
00'	.71812	62977	63189	10'	.71921	85486	25685
	+ 10	93048	66488		+ 10	91275	27664
	-	177	21753		-	177	48699
01	.71823	56026	29677	11	.71932	76761	53349
	+ 10	92871	44735		+ 10	91097	78965
	-	177	24450		-	177	51390
02	.71834	48897	74412	12	.71943	67859	32314
	+ 10	92694	20285		+ 10	90920	27575
	-	177	27145		-	177	54084
03	.71845	41591	94697	13	.71954	58779	59889
	+ 10	92516	93140		+ 10	90742	73491
	-	177	29842		-	177	56773
04	.71856	34108	87837	14	.71965	49522	33380
	+ 10	92339	63298		+ 10	90565	16718
	-	177	32537		-	177	59466
05	.71867	26448	51135	15	.71976	40087	50098
	+ 10	92162	30761		+ 10	90387	57252
	-	177	35231		-	177	62155
06	.71878	18610	81896	16	.71987	30475	07350
	+ 10	91984	95530		+ 10	90209	95097
	-	177	37926		-	177	64846
07	.71889	10595	77426	17	.71998	20685	02447
	+ 10	91807	57604		+ 10	90032	30251
	-	177	40620		-	177	67534
08	.71900	02403	35030	18	.72009	10717	32698
	+ 10	91630	16984		+ 10	89854	62717
	-	177	43313		-	177	70225
09	.71910	94033	52014	19	.72020	00571	95415
	+ 10	91452	73671		+ 10	89676	92492
	-	177	46007		-	177	72913

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

51^c	Sine.				51^c	Sine.			
20'	.72030	90248	87907		30'	.72139	77238	59214	
	+	10	89499	19579		+	10	87720	42672
	-		177	75600		-		178	02460
21	.72041	79748	07486		31	.72150	64959	01886	
	+	10	89321	43979		+	10	87542	40212
	-		177	78289		-		178	05142
22	.72052	69069	51465		32	.72161	52501	42098	
	+	10	89143	65690		+	10	87364	35070
	-		177	80977		-		178	07826
23	.72063	58213	17155		33	.72172	39865	77168	
	+	10	88965	84713		+	10	87186	27244
	-		177	83662		-		178	10508
24	.72074	47179	01868		34	.72183	27052	04412	
	+	10	88788	01051		+	10	87008	16736
	-		177	86350		-		178	13190
25	.72085	35967	02919		35	.72194	14060	21148	
	+	10	88610	14701		+	10	86830	03546
	-		177	89036		-		178	15872
26	.72096	24577	17620		36	.72205	00890	24694	
	+	10	88432	25665		+	10	86651	87674
	-		177	91721		-		178	18553
27	.72107	13009	43285		37	.72215	87542	12368	
	+	10	88254	33944		+	10	86473	69121
	-		177	94406		-		178	21233
28	.72118	01263	77229		38	.72226	74015	81489	
	+	10	88076	39538		+	10	86295	47888
	-		177	97091		-		178	23915
29	.72128	89340	16767		39	.72237	60311	29377	
	+	10	87898	42447		+	10	86117	23973
	-		177	99775		-		178	26594

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

51^c	Sine.			51^c	Sine.		
40'	.72248	46428	53350	50'	.72356	97791	88449
	+	10	85938		+	10	84154
	-				-		84143
		178	29273			178	56045
41	.72259	32367	50729	51	.72367	81946	72592
	+	10	85760		+	10	83976
	-				-		28098
		178	31953			178	58717
42	.72270	18128	18835	52	.72378	65923	00690
	+	10	85582		+	10	83797
	-				-		69381
		178	34630			178	61393
43	.72281	03710	54988	53	.72389	49720	70071
	+	10	85404		+	10	83619
	-				-		07988
		178	37310			178	64067
44	.72291	89114	56511	54	.72400	33339	78059
	+	10	85225		+	10	83440
	-				-		43921
		178	39987			178	66738
45	.72302	74340	20724	55	.72411	16780	21980
	+	10	85047		+	10	83261
	-				-		77183
		178	42663			178	69413
46	.72313	59387	44950	56	.72422	00041	99163
	+	10	84868		+	10	83083
	-				-		07770
		178	45342			178	72085
47	.72324	44256	26513	57	.72432	83125	06933
	+	10	84690		+	10	82904
	-				-		35685
		178	48017			178	74757
48	.72335	28946	62734	58	.72443	66029	42618
	+	10	84511		+	10	82725
	-				-		60928
		178	50693			178	77427
49	.72346	13458	50938	59	.72454	48755	03546
	+	10	84333		+	10	82546
	-				-		83501
		178	53368			178	80100

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

51^c	Sine.				51^c	Sine.			
60'	.72465	31301	87047		70'	.72573	46931	76081	
	+	10	82368	03401		+	10	80578	55596
	-		178	82770		-		179	09452
61	.72476	13669	90448		71	.72584	27510	31677	
	+	10	82189	20631		+	10	80399	46144
	-		178	85440		-		179	12117
62	.72486	95859	11079		72	.72595	07909	77821	
	+	10	82010	35191		+	10	80220	34027
	-		178	88110		-		179	14784
63	.72497	77869	46270		73	.72605	88130	11848	
	+	10	81831	47081		+	10	80041	19243
	-		178	90779		-		179	17448
64	.72508	59700	93351		74	.72616	68171	31091	
	+	10	81652	56302		+	10	79862	01795
	-		178	93448		-		179	20112
65	.72519	41353	49653		75	.72627	48033	32886	
	+	10	81473	62854		+	10	79682	81683
	-		178	96116		-		179	22776
66	.72530	22827	12507		76	.72638	27716	14569	
	+	10	81294	66738		+	10	79503	58907
	-		178	98785		-		179	25441
67	.72541	04121	79245		77	.72649	07219	73476	
	+	10	81115	67953		+	10	79324	33466
	-		179	01452		-		179	28103
68	.72551	85237	47198		78	.72659	86544	06942	
	+	10	80936	66501		+	10	79145	05363
	-		179	04119		-		179	30765
69	.72562	66174	13699		79	.72670	65689	12305	
	+	10	80757	62382		+	10	78965	74598
	-		179	06786		-		179	33429

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

51^c	Sine.				51^c	Sine.			
80'	.72681	44654	86903		90'	.72789	24444	55282	
	+	10	78786	41169		+	10	76991	60562
	-		179	36089		-		179	62683
81	.72692	23441	28072		91	.72800	01436	15844	
	+	10	78607	05080		+	10	76811	97879
	-		179	38752		-		179	65340
82	.72703	02048	33152		92	.72810	78248	13723	
	+	10	78427	66328		+	10	76632	32539
	-		179	41412		-		179	67997
83	.72713	80475	99480		93	.72821	54880	46262	
	+	10	78248	24916		+	10	76452	64542
	-		179	44073		-		179	70653
84	.72724	58724	24396		94	.72832	31333	10804	
	+	10	78068	80843		+	10	76272	93889
	-		179	46732		-		179	73309
85	.72735	36793	05239		95	.72843	07606	04693	
	+	10	77889	34111		+	10	76093	20580
	-		179	49392		-		179	75964
86	.72746	14682	39350		96	.72853	83699	25273	
	+	10	77709	84719		+	10	75913	44616
	-		179	52052		-		179	78618
87	.72756	92392	24069		97	.72864	59612	69889	
	+	10	77530	32667		+	10	75733	65998
	-		179	54710		-		179	81272
88	.72767	69922	56736		98	.72875	35346	35887	
	+	10	77350	77957		+	10	75553	84726
	-		179	57368		-		179	83927
89	.72778	47273	34693		99	.72886	10900	20613	
	+	10	77171	20589		+	10	75374	00799
	-		179	60027		-		179	86581

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

52^c	Sine.			52^c	Sine.		
00'	.72896	86274	21412	10'	.73004	30117	29918
	+ 10	75194	14218		+ 10	73394	02582
	-	179	89231		-	180	15738
01	.72907	61468	35630	11	.73015	03511	32500
	+ 10	75014	24987		+ 10	73213	86844
	-	179	91887		-	180	18386
02	.72918	36482	60617	12	.73025	76725	19344
	+ 10	74834	33100		+ 10	73033	68458
	-	179	94536		-	180	21033
03	.72929	11316	93717	13	.73036	49758	87802
	+ 10	74654	38564		+ 10	72853	47425
	-	179	97190		-	180	23681
04	.72939	85971	32281	14	.73047	22612	35227
	+ 10	74474	41374		+ 10	72673	23744
	-	179	99839		-	180	26327
05	.72950	60445	73655	15	.73057	95285	58971
	+ 10	74294	41535		+ 10	72492	97417
	-	180	02492		-	180	28974
06	.72961	34740	15190	16	.73068	67778	56388
	+ 10	74114	39043		+ 10	72312	68443
	-	180	05141		-	180	31619
07	.72972	08854	54233	17	.73079	40091	24831
	+ 10	73934	33902		+ 10	72132	36824
	-	180	07790		-	180	34264
08	.72982	82788	88135	18	.73090	12223	61655
	+ 10	73754	26112		+ 10	71952	02560
	-	180	10441		-	180	36911
09	.72993	56543	14247	19	.73100	84175	64215
	+ 10	73574	15671		+ 10	71771	65649
	-	180	13089		-	180	39554

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

52 ^c	Sine.			52 ^c	Sine.				
20'	.73111	55947	29864	30'	.73218	63737	74758		
	+	10	71591	26095		+	10	69785	85205
	-		180	42197		-		180	68615
21	.73122	27538	55959	31	.73229	33523	59963		
	+	10	71410	83898		+	10	69605	16590
	-		180	44843		-		180	71253
22	.73132	98949	39857	32	.73240	03128	76553		
	+	10	71230	39055		+	10	69424	45337
	-		180	47485		-		180	73892
23	.73143	70179	78912	33	.73250	72553	21890		
	+	10	71049	91570		+	10	69243	71445
	-		180	50127		-		180	76531
24	.73154	41229	70482	34	.73261	41796	93335		
	+	10	70869	41443		+	10	69062	94914
	-		180	52771		-		180	79167
25	.73165	12099	11925	35	.73272	10859	88249		
	+	10	70688	88672		+	10	68882	15747
	-		180	55411		-		180	81806
26	.73175	82788	00597	36	.73282	79742	03996		
	+	10	70508	33261		+	10	68701	33941
	-		180	58053		-		180	84443
27	.73186	53296	33858	37	.73293	48443	37937		
	+	10	70327	75208		+	10	68520	49498
	-		180	60695		-		180	87078
28	.73197	23624	09066	38	.73304	16963	87435		
	+	10	70147	14513		+	10	68339	62420
	-		180	63334		-		180	89715
29	.73207	93771	23579	39	.73314	85303	49855		
	+	10	69966	51179		+	10	68158	72705
	-		180	65974		-		180	92351

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

52^c	Sine.				52^c	Sine.			
40'	.73325	53462	22560		50'	.73432	25094	35686	
	+	10	67977	80354		+	10	66167	11991
	-		180	94985		-		181	21312
41	.73336	21440	02914		51	.73442	91261	47677	
	+	10	67796	85369		+	10	65985	90679
	-		180	97620		-		181	23942
42	.73346	89236	88283		52	.73453	57247	38356	
	+	10	67615	87749		+	10	65804	66737
	-		181	00255		-		181	26572
43	.73357	56852	76032		53	.73464	23052	05093	
	+	10	67434	87494		+	10	65623	40165
	-		181	02888		-		181	29203
44	.73368	24287	63526		54	.73474	88675	45258	
	+	10	67253	84606		+	10	65442	10962
	-		181	05522		-		181	31829
45	.73378	91541	48132		55	.73485	54117	56220	
	+	10	67072	79084		+	10	65260	79133
	-		181	08154		-		181	34460
46	.73389	58614	27216		56	.73496	19378	35353	
	+	10	66891	70930		+	10	65079	44673
	-		181	10787		-		181	37086
47	.73400	25505	98146		57	.73506	84457	80026	
	+	10	66710	60143		+	10	64898	07587
	-		181	13420		-		181	39715
48	.73410	92216	58289		58	.73517	49355	87613	
	+	10	66529	46723		+	10	64716	67872
	-		181	16049		-		181	42341
49	.73421	58746	05012		59	.73528	14072	55485	
	+	10	66348	30674		+	10	64535	25531
	-		181	18683		-		181	44969

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

52^c	Sine.				52^c	Sine.			
60'	.73538	78607	81016		70'	.73645	13976	29902	
	+	10	64353	80562		+	10	62537	86515
	-		181	47593		-		181	73831
61	.73549	42961	61578		71	.73655	76514	16417	
	+	10	64172	32969		+	10	62356	12684
	-		181	50221		-		181	76454
62	.73560	07133	94547		72	.73666	38870	29101	
	+	10	63990	82748		+	10	62174	36230
	-		181	52845		-		181	79073
63	.73570	71124	77295		73	.73677	01044	65331	
	+	10	63809	29903		+	10	61992	57157
	-		181	55471		-		181	81694
64	.73581	34934	07198		74	.73687	63037	22488	
	+	10	63627	74432		+	10	61810	75463
	-		181	58094		-		181	84314
65	.73591	98561	81630		75	.73698	24847	97951	
	+	10	63446	16338		+	10	61628	91149
	-		181	60718		-		181	86934
66	.73602	62007	97968		76	.73708	86476	89100	
	+	10	63264	55620		+	10	61447	04215
	-		181	63343		-		181	89552
67	.73613	25272	53588		77	.73719	47923	93315	
	+	10	63082	92277		+	10	61265	14663
	-		181	65964		-		181	92170
68	.73623	88355	45865		78	.73730	09189	07978	
	+	10	62901	26313		+	10	61083	22493
	-		181	68589		-		181	94790
69	.73634	51256	72178		79	.73740	70272	30471	
	+	10	62719	57724		+	10	60901	27703
	-		181	71209		-		181	97407

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

52^c	Sine.			52^c	Sine.		
80'	.73751	31173	58174	90'	.73857	30173	46142
	+	10	60719	30296		+	10
	-		182	00023		-	182
81	.73761	91892	88470	91	.73867	89071	58498
	+	10	60537	30273		+	10
	-		182	02641		-	182
82	.73772	52430	18743	92	.73878	47787	44683
	+	10	60355	27632		+	10
	-		182	05258		-	182
83	.73783	12785	46375	93	.73889	06321	02084
	+	10	60173	22374		+	10
	-		182	07872		-	182
84	.73793	72958	68749	94	.73899	64672	28089
	+	10	59991	14502		+	10
	-		182	10488		-	182
85	.73804	32949	83251	95	.73910	22841	20088
	+	10	59809	04014		+	10
	-		182	13104		-	182
86	.73814	92758	87265	96	.73920	80827	75469
	+	10	59626	90910		+	10
	-		182	15718		-	182
87	.73825	52385	78175	97	.73931	38631	91621
	+	10	59444	75192		+	10
	-		182	18332		-	182
88	.73836	11830	53367	98	.73941	96253	65935
	+	10	59262	56860		+	10
	-		182	20945		-	182
89	.73846	71093	10227	99	.73952	53692	95801
	+	10	59080	35915		+	10
	-		182	23559		-	182

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

53^c	Sine.				53^c	Sine.			
00'	.73963	10949	78610		10'	.74068	73476	44875	
	+ 10	57074	33143			+ 10	55247	93108	
	-	182	52274			-	182	78332	
01	.73973	68024	11753		11	.74079	28724	37983	
	+ 10	56891	80869			+ 10	55065	14776	
	-	182	54881			-	182	80935	
02	.73984	24915	92622		12	.74089	83789	52759	
	+ 10	56709	25988			+ 10	54882	33841	
	-	182	57490			-	182	83537	
03	.73994	81625	18610		13	.74100	38671	86600	
	+ 10	56526	68498			+ 10	54699	50304	
	-	182	60095			-	182	86140	
04	.74005	38151	87108		14	.74110	93371	36904	
	+ 10	56344	08403			+ 10	54516	64164	
	-	182	62703			-	182	88741	
05	.74015	94495	95511		15	.74121	47888	01068	
	+ 10	56161	45700			+ 10	54333	75423	
	-	182	65309			-	182	91344	
06	.74026	50657	41211		16	.74132	02221	76491	
	+ 10	55978	80391			+ 10	54150	84079	
	-	182	67913			-	182	93945	
07	.74037	06636	21602		17	.74142	56372	60570	
	+ 10	55796	12478			+ 10	53967	90134	
	-	182	70519			-	182	96544	
08	.74047	62432	34080		18	.74153	10340	50704	
	+ 10	55613	41959			+ 10	53784	93590	
	-	182	73123			-	182	99145	
09	.74058	18045	76039		19	.74163	64125	44294	
	+ 10	55430	68836			+ 10	53601	94445	
	-	182	75728			-	183	01745	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

53^c	Sine.				53^c	Sine.			
20'	.74174	17727	38739		30'	.74279	43676	58514	
	+	10	53418	92700		+	10	51587	32372
	-		183	04343		-		183	30311
21	.74184	71146	31439		31	.74289	95263	90886	
	+	10	53235	88357		+	10	51404	02061
	-		183	06943		-		183	32905
22	.74195	24382	19796		32	.74300	46667	92947	
	+	10	53052	81414		+	10	51220	69156
	-		183	09541		-		183	35499
23	.74205	77435	01210		33	.74310	97888	62103	
	+	10	52869	71873		+	10	51037	33657
	-		183	12139		-		183	38093
24	.74216	30304	73083		34	.74321	48925	95760	
	+	10	52686	59734		+	10	50853	95564
	-		183	14736		-		183	40685
25	.74226	82991	32817		35	.74331	99779	91324	
	+	10	52503	44998		+	10	50670	54879
	-		183	17333		-		183	43277
26	.74237	35494	77815		36	.74342	50450	46203	
	+	10	52320	27665		+	10	50487	11602
	-		183	19930		-		183	45871
27	.74247	87815	05480		37	.74353	00937	57805	
	+	10	52137	07735		+	10	50303	65731
	-		183	22525		-		183	48460
28	.74258	39952	13215		38	.74363	51241	23536	
	+	10	51953	85210		+	10	50120	17271
	-		183	25121		-		183	51053
29	.74268	91905	98425		39	.74374	01361	40807	
	+	10	51770	60089		+	10	49936	66218
	-		183	27717		-		183	53643

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

53^c	Sine.				53^c	Sine.			
40'	.74384	51298	07025		50'	.74489	40565	91622	
	+	10	49753	12575		+	10	47916	33762
	-		183	56232		-		183	82109
41	.74395	01051	19600		51	.74499	88482	25384	
	+	10	49569	56343		+	10	47732	51653
	-		183	58824		-		183	84695
42	.74405	50620	75943		52	.74510	36214	77037	
	+	10	49385	97519		+	10	47548	66958
	-		183	61411		-		183	87280
43	.74416	00006	73462		53	.74520	83763	43995	
	+	10	49202	36108		+	10	47364	79678
	-		183	64001		-		183	89864
44	.74426	49209	09570		54	.74531	31128	23673	
	+	10	49018	72107		+	10	47180	89814
	-		183	66590		-		183	92447
45	.74436	98227	81677		55	.74541	78309	13487	
	+	10	48835	05517		+	10	46996	97367
	-		183	69176		-		183	95032
46	.74447	47062	87194		56	.74552	25306	10854	
	+	10	48651	36341		+	10	46813	02335
	-		183	71765		-		183	97613
47	.74457	95714	23535		57	.74562	72119	13189	
	+	10	48467	64576		+	10	46629	04722
	-		183	74351		-		184	00197
48	.74468	44181	88111		58	.74573	18748	17911	
	+	10	48283	90225		+	10	46445	04525
	-		183	76939		-		184	02779
49	.74478	92465	78336		59	.74583	65193	22436	
	+	10	48100	13286		+	10	46261	01746
	-		183	79524		-		184	05359

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

53^c	Sine.				53^c	Sine.			
60'	.74594	11454	24182		70'	.74698	63937	21118	
	+	10	46076	96387		+	10	44235	00901
	-		184	07942		-		184	33726
61	.74604	57531	20569		71	.74709	08172	22019	
	+	10	45892	88445		+	10	44050	67175
	-		184	10521		-		184	36304
62	.74615	03424	09014		72	.74719	52222	89194	
	+	10	45708	77924		+	10	43866	30871
	-		184	13102		-		184	38878
63	.74625	49132	86938		73	.74729	96089	20065	
	+	10	45524	64822		+	10	43681	91993
	-		184	15682		-		184	41454
64	.74635	94657	51760		74	.74740	39771	12058	
	+	10	45340	49140		+	10	43497	50539
	-		184	18261		-		184	44029
65	.74646	39998	00900		75	.74750	83268	62597	
	+	10	45156	30879		+	10	43313	06510
	-		184	20839		-		184	46603
66	.74656	85154	31779		76	.74761	26581	69107	
	+	10	44972	10040		+	10	43128	59907
	-		184	23419		-		184	49176
67	.74667	30126	41819		77	.74771	69710	29014	
	+	10	44787	86621		+	10	42944	10731
	-		184	25995		-		184	51751
68	.74677	74914	28440		78	.74782	12654	39745	
	+	10	44603	60626		+	10	42759	58980
	-		184	28574		-		184	54322
69	.74688	19517	89066		79	.74792	55413	98725	
	+	10	44419	32052		+	10	42575	04658
	-		184	31151		-		184	56897

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

53^c	Sine.				53^c	Sine.			
80'	.74802	97989	03383		90'	.74907	13583	96478	
	+	10	42390	47761		+	10	40543	37423
	-		184	59466		-		184	85163
81	.74813	40379	51144		91	.74917	54127	33901	
	+	10	42205	88295		+	10	40358	52260
	-		184	62039		-		184	87728
82	.74823	82585	39439		92	.74927	94485	86161	
	+	10	42021	26256		+	10	40173	64532
	-		184	64611		-		184	90297
83	.74834	24606	65695		93	.74938	34659	50693	
	+	10	41836	61645		+	10	39988	74235
	-		184	67180		-		184	92862
84	.74844	66443	27340		94	.74948	74648	24928	
	+	10	41651	94465		+	10	39803	81373
	-		184	69751		-		184	95427
85	.74855	08095	21805		95	.74959	14452	06301	
	+	10	41467	24714		+	10	39618	85946
	-		184	72321		-		184	97992
86	.74865	49562	46519		96	.74969	54070	92247	
	+	10	41282	52393		+	10	39433	87954
	-		184	74890		-		185	00559
87	.74875	90844	98912		97	.74979	93504	80201	
	+	10	41097	77503		+	10	39248	87395
	-		184	77458		-		185	03120
88	.74886	31942	76415		98	.74990	32753	67596	
	+	10	40913	00045		+	10	39063	84275
	-		184	80027		-		185	05686
89	.74896	72855	76460		99	.75000	71817	51871	
	+	10	40728	20018		+	10	38878	78589
	-		184	82595		-		185	08249

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

54^c	Sine.				54^c	Sine.			
00'	.75011	10696	30460		10'	.75114	89300	39943	
	+ 10	38693	70340			+ 10	36841	46970	
	-	185	10812			-	185	36415	
01	.75021	49390	00800		11	.75125	26141	86913	
	+ 10	38508	59528			+ 10	36656	10555	
	-	185	13374			-	185	38974	
02	.75031	87898	60328		12	.75135	62797	97468	
	+ 10	38323	46154			+ 10	36470	71581	
	-	185	15935			-	185	41530	
03	.75042	26222	06482		13	.75145	99268	69049	
	+ 10	38138	30219			+ 10	36285	30051	
	-	185	18498			-	185	44087	
04	.75052	64360	36701		14	.75156	35553	99100	
	+ 10	37953	11721			+ 10	36099	85964	
	-	185	21059			-	185	46644	
05	.75063	02313	48422		15	.75166	71653	85064	
	+ 10	37767	90662			+ 10	35914	39320	
	-	185	23619			-	185	49200	
06	.75073	40081	39084		16	.75177	07568	24384	
	+ 10	37582	67043			+ 10	35728	90120	
	-	185	26179			-	185	51755	
07	.75083	77664	06127		17	.75187	43297	14504	
	+ 10	37397	40864			+ 10	35543	38365	
	-	185	28739			-	185	54311	
08	.75094	15061	46991		18	.75197	78840	52869	
	+ 10	37212	12125			+ 10	35357	84054	
	-	185	31298			-	185	56866	
09	.75104	52273	59116		19	.75208	14198	36923	
	+ 10	37026	80827			+ 10	35172	27188	
	-	185	33857			-	185	59418	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

54^c	Sine.			54^c	Sine.		
20'	.75218	49370	64111	30'	.75321	90881	46720
	+	10	34986		+	10	33129
	-		185		-		33196
			61974				185
21	.75228	84357	31881	31	.75332	24010	79916
	+	10	34801		+	10	32943
	-		185		-		45711
			64526				185
22	.75239	19158	37677	32	.75342	56954	25627
	+	10	34615		+	10	32757
	-		185		-		55678
			67079				185
23	.75249	53773	78947	33	.75352	89711	81305
	+	10	34429		+	10	32571
	-		185		-		63095
			69632				185
24	.75259	88203	53138	34	.75363	22283	44400
	+	10	34244		+	10	32385
	-		185		-		67965
			72183				185
25	.75270	22447	57697	35	.75373	54669	12365
	+	10	34058		+	10	32199
	-		185		-		70288
			74735				186
26	.75280	56505	90073	36	.75383	86868	82653
	+	10	33872		+	10	32013
	-		185		-		70064
			77286				186
27	.75290	90378	47714	37	.75394	18882	52717
	+	10	33686		+	10	31827
	-		185		-		67294
			79836				186
28	.75301	24065	28069	38	.75404	50710	20011
	+	10	33501		+	10	31641
	-		185		-		61977
			82387				186
29	.75311	57566	28588	39	.75414	82351	81988
	+	10	33315		+	10	31455
	-		185		-		54116
			84936				186
							10407

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

54^c	Sine.				54^c	Sine.			
40'	.75425	13807	36104		50'	.75528	18122	85184	
	+	10	31269	43709		+	10	29406	99765
	-		186	12952		-		186	38371
41	.75435	45076	79813		51	.75538	47529	84949	
	+	10	31083	30757		+	10	29220	61394
	-		186	15495		-		186	40911
42	.75445	76160	10570		52	.75548	76750	46343	
	+	10	30897	15262		+	10	29034	20483
	-		186	18040		-		186	43450
43	.75456	07057	25832		53	.75559	05784	66826	
	+	10	30710	97222		+	10	28847	77033
	-		186	20581		-		186	45989
44	.75466	37768	23054		54	.75569	34632	43859	
	+	10	30524	76641		+	10	28661	31044
	-		186	23126		-		186	48527
45	.75476	68292	99695		55	.75579	63293	74903	
	+	10	30338	53515		+	10	28474	82517
	-		186	25667		-		186	51065
46	.75486	98631	53210		56	.75589	91768	57420	
	+	10	30152	27848		+	10	28288	31452
	-		186	28208		-		186	53601
47	.75497	28783	81058		57	.75600	20056	88872	
	+	10	29965	99640		+	10	28101	77851
	-		186	30752		-		186	56139
48	.75507	58749	80698		58	.75610	48158	66723	
	+	10	29779	68888		+	10	27915	21712
	-		186	33290		-		186	58675
49	.75517	88529	49586		59	.75620	76073	88435	
	+	10	29593	35598		+	10	27728	63037
	-		186	35833		-		186	61210

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

54^c	Sine.			54^c	Sine.		
60'	.75631	03802	51472	70'	.75733	70820	97080
	+	10	27542	01827		+	10
	-		186	63747		-	186
61	.75641	31344	53299	71	.75743	96495	47432
	+	10	27355	38080		+	10
	-		186	66280		-	186
62	.75651	58699	91379	72	.75754	21983	08709
	+	10	27168	71800		+	10
	-		186	68815		-	186
63	.75661	85868	63179	73	.75764	47283	78383
	+	10	26982	02985		+	10
	-		186	71350		-	186
64	.75672	12850	66164	74	.75774	72397	53921
	+	10	26795	31635		+	10
	-		186	73882		-	186
65	.75682	39645	97799	75	.75784	97324	32797
	+	10	26608	57753		+	10
	-		186	76417		-	187
66	.75692	66254	55552	76	.75795	22064	12479
	+	10	26421	81336		+	10
	-		186	78947		-	187
67	.75702	92676	36888	77	.75805	46616	90441
	+	10	26235	02389		+	10
	-		186	81482		-	187
68	.75713	18911	39277	78	.75815	70982	64153
	+	10	26048	20907		+	10
	-		186	84011		-	187
69	.75723	44959	60184	79	.75825	95161	31089
	+	10	25861	36896		+	10
	-		186	86544		-	187

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

54^c	Sine.				54^c	Sine.			
80'	.75836	19152	88722		90'	.75938	48772	97725	
	+	10	23804	45802		+	10	21931	88639
	-		187	14356		-		187	39593
81	.75846	42957	34524		91	.75948	70704	86364	
	+	10	23617	31446		+	10	21744	49046
	-		187	16882		-		187	42113
82	.75856	66574	65970		92	.75958	92449	35410	
	+	10	23430	14564		+	10	21557	06933
	-		187	19408		-		187	44633
83	.75866	90004	80534		93	.75969	14006	42343	
	+	10	23242	95156		+	10	21369	62300
	-		187	21931		-		187	47155
84	.75877	13247	75690		94	.75979	35376	04643	
	+	10	23055	73225		+	10	21182	15145
	-		187	24457		-		187	49674
85	.75887	36303	48915		95	.75989	56558	19788	
	+	10	22868	48768		+	10	20994	65471
	-		187	26979		-		187	52192
86	.75897	59171	97683		96	.75999	77552	85259	
	+	10	22681	21789		+	10	20807	13279
	-		187	29504		-		187	54712
87	.75907	81853	19472		97	.76009	98359	98538	
	+	10	22493	92285		+	10	20619	58567
	-		187	32027		-		187	57230
88	.75918	04347	11757		98	.76020	18979	57105	
	+	10	22306	60258		+	10	20432	01337
	-		187	34548		-		187	59748
89	.75928	26653	72015		99	.76030	39411	58442	
	+	10	22119	25710		+	10	20244	41589
	-		187	37071		-		187	62265

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

55^c	Sine.				55^c	Sine.			
00'	.76040	59656	00031		10'	.76142	51776	76207	
	+	10	20056	79324		+	10	18179	18320
	-		187	64782		-		187	89925
01	.76050	79712	79355		11	.76152	69955	94527	
	+	10	19869	14542		+	10	17991	28395
	-		187	67298		-		187	92437
02	.76060	99581	93897		12	.76162	87947	22922	
	+	10	19681	47244		+	10	17803	35958
	-		187	69815		-		187	94949
03	.76071	19263	41141		13	.76173	05750	58880	
	+	10	19493	77429		+	10	17615	41009
	-		187	72330		-		187	97460
04	.76081	38757	18570		14	.76183	23365	99889	
	+	10	19306	05099		+	10	17427	43549
	-		187	74845		-		187	99969
05	.76091	58063	23669		15	.76193	40793	43438	
	+	10	19118	30254		+	10	17239	43580
	-		187	77359		-		188	02480
06	.76101	77181	53923		16	.76203	58032	87018	
	+	10	18930	52895		+	10	17051	41100
	-		187	79874		-		188	04989
07	.76111	96112	06818		17	.76213	75084	28118	
	+	10	18742	73021		+	10	16863	36111
	-		187	82387		-		188	07498
08	.76122	14854	79839		18	.76223	91947	64229	
	+	10	18554	90634		+	10	16675	28613
	-		187	84900		-		188	10007
09	.76132	33409	70473		19	.76234	08622	92842	
	+	10	18367	05734		+	10	16487	18606
	-		187	87414		-		188	12515

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

55^c	Sine.				55^c	Sine.			
20'	.76244	25110	11448		30'	.76345	79630	95585	
	+	10	16299	06091		+	10	14416	43100
	-		188	15023		-		188	40073
21	.76254	41409	17539		31	.76355	94047	38685	
	+	10	16110	91068		+	10	14228	03027
	-		188	17529		-		188	42576
22	.76264	57520	08607		32	.76366	08275	41712	
	+	10	15922	73539		+	10	14039	60451
	-		188	20036		-		188	45077
23	.76274	73442	82146		33	.76376	22315	02163	
	+	10	15734	53503		+	10	13851	15374
	-		188	22543		-		188	47580
24	.76284	89177	35649		34	.76386	36166	17537	
	+	10	15546	30960		+	10	13662	67794
	-		188	25049		-		188	50080
25	.76295	04723	66609		35	.76396	49828	85331	
	+	10	15358	05911		+	10	13474	17714
	-		188	27552		-		188	52581
26	.76305	20081	72520		36	.76406	63303	03045	
	+	10	15169	78359		+	10	13285	65133
	-		188	30060		-		188	55081
27	.76315	35251	50879		37	.76416	76588	68178	
	+	10	14981	48299		+	10	13097	10052
	-		188	32562		-		188	57581
28	.76325	50232	99178		38	.76426	89685	78230	
	+	10	14793	15737		+	10	12908	52471
	-		188	35067		-		188	60080
29	.76335	65026	14915		39	.76437	02594	30701	
	+	10	14604	80670		+	10	12719	92391
	-		188	37570		-		188	62580

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

55^c	Sine.				55^c	Sine.			
40'	.76447	15314	23092		50'	.76548	32134	93088	
	+	10	12531	29811		+	10	10643	66692
	-		188	65076		-		188	90036
41	.76457	27845	52903		51	.76558	42778	59780	
	+	10	12342	64735		+	10	10454	76656
	-		188	67576		-		188	92527
42	.76467	40188	17638		52	.76568	53233	36436	
	+	10	12153	97159		+	10	10265	84129
	-		188	70072		-		188	95021
43	.76477	52342	14797		53	.76578	63499	20565	
	+	10	11965	27087		+	10	10076	89108
	-		188	72569		-		188	97513
44	.76487	64307	41884		54	.76588	73576	09673	
	+	10	11776	54518		+	10	09887	91595
	-		188	75067		-		189	00005
45	.76497	76083	96402		55	.76598	83464	01268	
	+	10	11587	79451		+	10	09698	91590
	-		188	77561		-		189	02496
46	.76507	87671	75853		56	.76608	93162	92858	
	+	10	11399	01890		+	10	09509	89094
	-		188	80057		-		189	04987
47	.76517	99070	77743		57	.76619	02672	81952	
	+	10	11210	21833		+	10	09320	84107
	-		188	82554		-		189	07478
48	.76528	10280	99576		58	.76629	11993	66059	
	+	10	11021	39279		+	10	09131	76629
	-		188	85046		-		189	09967
49	.76538	21302	38855		59	.76639	21125	42688	
	+	10	10832	54233		+	10	08942	66662
	-		188	87541		-		189	12457

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

55^c	Sine.				55^c	Sine.			
60'	.76649	30068	09350		70'	.76750	09088	80312	
	+ 10	08753	54205			+ 10	06860	92819	
	-	189	14946			-	189	39811	
61	.76659	38821	63555		71	.76760	15949	73131	
	+ 10	08564	39259			+ 10	06671	53008	
	-	189	17434			-	189	42293	
62	.76669	47386	02814		72	.76770	22621	26139	
	+ 10	08375	21825			+ 10	06482	10715	
	-	189	19922			-	189	44778	
63	.76679	55761	24639		73	.76780	29103	36854	
	+ 10	08186	01903			+ 10	06292	65937	
	-	189	22411			-	189	47260	
64	.76689	63947	26542		74	.76790	35396	02791	
	+ 10	07996	79492			+ 10	06103	18677	
	-	189	24897			-	189	49743	
65	.76699	71944	06034		75	.76800	41499	21468	
	+ 10	07807	54595			+ 10	05913	68934	
	-	189	27383			-	189	52225	
66	.76709	79751	60629		76	.76810	47412	90402	
	+ 10	07618	27212			+ 10	05724	16709	
	-	189	29871			-	189	54706	
67	.76719	87369	87841		77	.76820	53137	07111	
	+ 10	07428	97341			+ 10	05534	62003	
	-	189	32355			-	189	57188	
68	.76729	94798	85182		78	.76830	58671	69114	
	+ 10	07239	64986			+ 10	05345	04815	
	-	189	34842			-	189	59667	
69	.76740	02038	50168		79	.76840	64016	73929	
	+ 10	07050	30144			+ 10	05155	45148	
	-	189	37325			-	189	62149	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

55^c	Sine.				55^c	Sine.			
80'	.76850	69172	19077		90'	.76951	10293	43418	
	+	10	04965	82999		+	10	03068	25215
	-		189	64627		-		189	89399
81	.76860	74138	02076		91	.76961	13361	68633	
	+	10	04776	18372		+	10	02878	35816
	-		189	67108		-		189	91873
82	.76870	78914	20448		92	.76971	16240	04449	
	+	10	04586	51264		+	10	02688	43943
	-		189	69585		-		189	94347
83	.76880	83500	71712		93	.76981	18928	48392	
	+	10	04396	81679		+	10	02498	49596
	-		189	72063		-		189	96820
84	.76890	87897	53391		94	.76991	21426	97988	
	+	10	04207	09616		+	10	02308	52776
	-		189	74543		-		189	99295
85	.76900	92104	63007		95	.77001	23735	50764	
	+	10	04017	35073		+	10	02118	53481
	-		189	77018		-		190	01765
86	.76910	96121	98080		96	.77011	25854	04245	
	+	10	03827	58055		+	10	01928	51716
	-		189	79497		-		190	04240
87	.76920	99949	56135		97	.77021	27782	55961	
	+	10	03637	78558		+	10	01738	47476
	-		189	81971		-		190	06709
88	.76931	03587	34693		98	.77031	29521	03437	
	+	10	03447	96587		+	10	01548	40767
	-		189	84449		-		190	09182
89	.76941	07035	31280		99	.77041	31069	44204	
	+	10	03258	12138		+	10	01358	31585
	-		189	86923		-		190	11652

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

56^c	Sine.			56^c	Sine.		
00'	.77051	32427	75789	10'	.77151	35550	43328
	+ 10	01168	19933		+ 9	99265	67623
	-	190	14122		-	190	38799
01	.77061	33595	95722	11	.77161	34816	10951
	+ 10	00978	05811		+ 9	99075	28824
	-	190	16593		-	190	41265
02	.77071	34574	01533	12	.77171	33891	39775
	+ 10	00787	89218		+ 9	98884	87559
	-	190	19062		-	190	43730
03	.77081	35361	90751	13	.77181	32776	27334
	+ 10	00597	70156		+ 9	98694	43829
	-	190	21529		-	190	46193
04	.77091	35959	60907	14	.77191	31470	71163
	+ 10	00407	48627		+ 9	98503	97636
	-	190	24000		-	190	48657
05	.77101	36367	09534	15	.77201	29974	68799
	+ 10	00217	24627		+ 9	98313	48979
	-	190	26467		-	190	51120
06	.77111	36584	34161	16	.77211	28288	17778
	+ 10	00026	98160		+ 9	98122	97859
	-	190	28934		-	190	53584
07	.77121	36611	32321	17	.77221	26411	15637
	+ 9	99836	69226		+ 9	97932	44275
	-	190	31401		-	190	56045
08	.77131	36448	01547	18	.77231	24343	59912
	+ 9	99646	37825		+ 9	97741	88230
	-	190	33869		-	190	58508
09	.77141	36094	39372	19	.77241	22085	48142
	+ 9	99456	03956		+ 9	97551	29722
	-	190	36333		-	190	60968

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

56^c	Sine.				56^c	Sine.			
20'	.77251	19636	77864		30'	.77350	84662	15923	
	+	9	97360	68754		+	9	95453	23796
	-		190	63429		-		190	88012
21	.77261	16997	46618		31	.77360	80115	39719	
	+	9	97170	05325		+	9	95262	35784
	-		190	65891		-		190	90469
22	.77271	14167	51943		32	.77370	75377	75503	
	+	9	96979	39434		+	9	95071	45315
	-		190	68349		-		190	92923
23	.77281	11146	91377		33	.77380	70449	20818	
	+	9	96788	71085		+	9	94880	52392
	-		190	70810		-		190	95378
24	.77291	07935	62462		34	.77390	65329	73210	
	+	9	96598	00275		+	9	94689	57014
	-		190	73268		-		190	97833
25	.77301	04533	62737		35	.77400	60019	30224	
	+	9	96407	27007		+	9	94498	59181
	-		190	75727		-		191	00286
26	.77311	00940	89744		36	.77410	54517	89405	
	+	9	96216	51280		+	9	94307	58895
	-		190	78186		-		191	02741
27	.77320	97157	41024		37	.77420	48825	48300	
	+	9	96025	73094		+	9	94116	56154
	-		190	80641		-		191	05191
28	.77330	93183	14118		38	.77430	42942	04454	
	+	9	95834	92453		+	9	93925	50963
	-		190	83101		-		191	07646
29	.77340	89018	06571		39	.77440	36867	55417	
	+	9	95644	09352		+	9	93734	43317
	-		190	85556		-		191	10097

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

56^c	Sine.			56^c	Sine.				
40'	.77450	30601	98734	50'	.77549	57431	72234		
	+	9	93543	33220		+	9	91630	97498
	-		191	12548		-		191	37038
41	.77460	24145	31954	51	.77559	49062	69732		
	+	9	93352	20672		+	9	91439	60460
	-		191	15000		-		191	39484
42	.77470	17497	52626	52	.77569	40502	30192		
	+	9	93161	05672		+	9	91248	20976
	-		191	17450		-		191	41928
43	.77480	10658	58298	53	.77579	31750	51168		
	+	9	92969	88222		+	9	91056	79048
	-		191	19899		-		191	44376
44	.77490	03628	46520	54	.77589	22807	30216		
	+	9	92778	68323		+	9	90865	34672
	-		191	22351		-		191	46818
45	.77499	96407	14843	55	.77599	13672	64888		
	+	9	92587	45972		+	9	90673	87854
	-		191	24798		-		191	49265
46	.77509	88994	60815	56	.77609	04346	52742		
	+	9	92396	21174		+	9	90482	38589
	-		191	27247		-		191	51708
47	.77519	81390	81989	57	.77618	94828	91331		
	+	9	92204	93927		+	9	90290	86881
	-		191	29696		-		191	54150
48	.77529	73595	75916	58	.77628	85119	78212		
	+	9	92013	64231		+	9	90099	32731
	-		191	32144		-		191	56595
49	.77539	65609	40147	59	.77638	75219	10943		
	+	9	91822	32087		+	9	89907	76136
	-		191	34589		-		191	59037

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

56^c	Sine.			56^c	Sine.				
60'	.77648	65126	87079	70'	.77747	53662	98641		
	+	9	89716	17099		+	9	87798	92499
	-		191	61479		-		191	85874
61	.77658	54843	04178	71	.77757	41461	91140		
	+	9	89524	55620		+	9	87607	06625
	-		191	63919		-		191	88309
62	.77668	44367	59798	72	.77767	29068	97765		
	+	9	89332	91701		+	9	87415	18316
	-		191	66362		-		191	90746
63	.77678	33700	51499	73	.77777	16484	16081		
	+	9	89141	25339		+	9	87223	27570
	-		191	68803		-		191	93183
64	.77688	22841	76838	74	.77787	03707	43651		
	+	9	88949	56536		+	9	87031	34387
	-		191	71241		-		191	95616
65	.77698	11791	33374	75	.77796	90738	78038		
	+	9	88757	85295		+	9	86839	38771
	-		191	73682		-		191	98054
66	.77708	00549	18669	76	.77806	77578	16809		
	+	9	88566	11613		+	9	86647	40717
	-		191	76121		-		192	00486
67	.77717	89115	30282	77	.77816	64225	57526		
	+	9	88374	35492		+	9	86455	40231
	-		191	78559		-		192	02920
68	.77727	77489	65774	78	.77826	50680	97757		
	+	9	88182	56933		+	9	86263	37311
	-		191	80999		-		192	05356
69	.77737	65672	22707	79	.77836	36944	35068		
	+	9	87990	75934		+	9	86071	31955
	-		191	83435		-		192	07786

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

56^c	Sine.				56^c	Sine.			
80'	.77846	23015	67023		90'	.77944	73160	57061	
	+	9	85879	24169		+	9	83957	12583
	-		192	10221		-		192	34520
81	.77856	08894	91192		91	.77954	57117	69644	
	+	9	85687	13948		+	9	83764	78063
	-		192	12651		-		192	36947
82	.77865	94582	05140		92	.77964	40882	47707	
	+	9	85495	01297		+	9	83572	41116
	-		192	15084		-		192	39373
83	.77875	80077	06437		93	.77974	24454	88823	
	+	9	85302	86213		+	9	83380	01743
	-		192	17515		-		192	41801
84	.77885	65379	92650		94	.77984	07834	90566	
	+	9	85110	68698		+	9	83187	59942
	-		192	19945		-		192	44225
85	.77895	50490	61348		95	.77993	91022	50508	
	+	9	84918	48753		+	9	82995	15717
	-		192	22376		-		192	46652
86	.77905	35409	10101		96	.78003	74017	66225	
	+	9	84726	26377		+	9	82802	69065
	-		192	24805		-		192	49076
87	.77915	20135	36478		97	.78013	56820	35290	
	+	9	84534	01572		+	9	82610	19989
	-		192	27235		-		192	51501
88	.77925	04669	38050		98	.78023	39430	55279	
	+	9	84341	74337		+	9	82417	68488
	-		192	29663		-		192	53925
89	.77934	89011	12387		99	.78033	21848	23767	
	+	9	84149	44674		+	9	82225	14563
	-		192	32091		-		192	56349

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

57^c	Sine.			57^c	Sine.				
00'	.78043	04073	38330	10'	.78141	15729	85148		
	+	9	82032	58214		+	9	80105	61540
	-		192	58770		-		192	82976
01	.78052	86105	96544	11	.78150	95835	46688		
	+	9	81839	99444		+	9	79912	78564
	-		192	61195		-		192	85393
02	.78062	67945	95988	12	.78160	75748	25252		
	+	9	81647	38249		+	9	79719	93171
	-		192	63616		-		192	87812
03	.78072	49593	34237	13	.78170	55468	18423		
	+	9	81454	74633		+	9	79527	05359
	-		192	66038		-		192	90228
04	.78082	31048	08870	14	.78180	34995	23782		
	+	9	81262	08595		+	9	79334	15131
	-		192	68459		-		192	92645
05	.78092	12310	17465	15	.78190	14329	38913		
	+	9	81069	40136		+	9	79141	22486
	-		192	70880		-		192	95060
06	.78101	93379	57601	16	.78199	93470	61399		
	+	9	80876	69256		+	9	78948	27426
	-		192	73299		-		192	97476
07	.78111	74256	26857	17	.78209	72418	88825		
	+	9	80683	95957		+	9	78755	29950
	-		192	75721		-		192	99891
08	.78121	54940	22814	18	.78219	51174	18775		
	+	9	80491	20236		+	9	78562	30059
	-		192	78138		-		193	02305
09	.78131	35431	43050	19	.78229	29736	48834		
	+	9	80298	42098		+	9	78369	27754
	-		192	80558		-		193	04720

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

57^c	Sine.				57^c	Sine.			
20'	.78239	08105	76588		30'	.78336	81176	96478	
	+	9	78176	23034		+	9	76244	43173
	-		193	07132		-		193	31242
21	.78248	86281	99622		31	.78346	57421	39651	
	+	9	77983	15902		+	9	76051	11931
	-		193	09547		-		193	33650
22	.78258	64265	15524		32	.78356	33472	51582	
	+	9	77790	06355		+	9	75857	78281
	-		193	11958		-		193	36059
23	.78268	42055	21879		33	.78366	09330	29863	
	+	9	77596	94397		+	9	75664	42222
	-		193	14371		-		193	38466
24	.78278	19652	16276		34	.78375	84994	72085	
	+	9	77403	80026		+	9	75471	03756
	-		193	16783		-		193	40873
25	.78287	97055	96302		35	.78385	60465	75841	
	+	9	77210	63243		+	9	75277	62883
	-		193	19193		-		193	43279
26	.78297	74266	59545		36	.78395	35743	38724	
	+	9	77017	44050		+	9	75084	19604
	-		193	21605		-		193	45684
27	.78307	51284	03595		37	.78405	10827	58328	
	+	9	76824	22445		+	9	74890	73920
	-		193	24014		-		193	48091
28	.78317	28108	26040		38	.78414	85718	32248	
	+	9	76630	98431		+	9	74697	25829
	-		193	26424		-		193	50496
29	.78327	04739	24471		39	.78424	60415	58077	
	+	9	76437	72007		+	9	74503	75333
	-		193	28834		-		193	52899

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

57^c	Sine.				57^c	Sine.			
40'	.78434	34919	33410		50'	.78531	69308	80745	
	+	9	74310	22434		+	9	72373	61292
	-		193	55305		-		193	79317
41	.78444	09229	55844		51	.78541	41682	42037	
	+	9	74116	67129		+	9	72179	81975
	-		193	57707		-		193	81717
42	.78453	83346	22973		52	.78551	13862	24012	
	+	9	73923	09422		+	9	71986	00258
	-		193	60110		-		193	84114
43	.78463	57269	32395		53	.78560	85848	24270	
	+	9	73729	49312		+	9	71792	16144
	-		193	62513		-		193	86514
44	.78473	30998	81707		54	.78570	57640	40414	
	+	9	73535	86799		+	9	71598	29630
	-		193	64916		-		193	88909
45	.78483	04534	68506		55	.78580	29238	70044	
	+	9	73342	21883		+	9	71404	40721
	-		193	67317		-		193	91307
46	.78492	77876	90389		56	.78590	00643	10765	
	+	9	73148	54566		+	9	71210	49414
	-		193	69717		-		193	93703
47	.78502	51025	44955		57	.78599	71853	60179	
	+	9	72954	84849		+	9	71016	55711
	-		193	72119		-		193	96099
48	.78512	23980	29804		58	.78609	42870	15890	
	+	9	72761	12730		+	9	70822	59612
	-		193	74519		-		193	98495
49	.78521	96741	42534		59	.78619	13692	75502	
	+	9	72567	38211		+	9	70628	61117
	-		193	76919		-		194	00889

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

57^c	Sine.			57^c	Sine.		
60'	.78628	84321	36619	70'	.78725	79933	03949
	+	9	70434	60228		+	9
	-		194	03284		-	194
61	.78638	54755	96847	71	.78735	48426	23667
	+	9	70240	56944		+	9
	-		194	05678		-	194
62	.78648	24996	53791	72	.78745	16725	16184
	+	9	70046	51266		+	9
	-		194	08071		-	194
63	.78657	95043	05057	73	.78754	84829	79109
	+	9	69852	43195		+	9
	-		194	10464		-	194
64	.78667	64895	48252	74	.78764	52740	10054
	+	9	69658	32731		+	9
	-		194	12857		-	194
65	.78677	34553	80983	75	.78774	20456	06631
	+	9	69464	19874		+	9
	-		194	15250		-	194
66	.78687	04018	00857	76	.78783	87977	66452
	+	9	69270	04624		+	9
	-		194	17639		-	194
67	.78696	73288	05481	77	.78793	55304	87130
	+	9	69075	86985		+	9
	-		194	20032		-	194
68	.78706	42363	92466	78	.78803	22437	66278
	+	9	68881	66953		+	9
	-		194	22423		-	194
69	.78716	11245	59419	79	.78812	89376	01510
	+	9	68687	44530		+	9
	-		194	24812		-	194

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

57^c	Sine.				57^c	Sine.			
80'	.78822	56119	90440		90'	.78919	12858	08588	
	+	9	66549	40243		+	9	64603	22281
	-		194	51073		-		194	74895
81	.78832	22669	30683		91	.78928	77461	30869	
	+	9	66354	89170		+	9	64408	47386
	-		194	53457		-		194	77275
82	.78841	89024	19853		92	.78938	41869	78255	
	+	9	66160	35713		+	9	64213	70111
	-		194	55840		-		194	79652
83	.78851	55184	55566		93	.78948	06083	48366	
	+	9	65965	79873		+	9	64018	90459
	-		194	58223		-		194	82032
84	.78861	21150	35439		94	.78957	70102	38825	
	+	9	65771	21650		+	9	63824	08427
	-		194	60608		-		194	84411
85	.78870	86921	57089		95	.78967	33926	47252	
	+	9	65576	61042		+	9	63629	24016
	-		194	62989		-		194	86786
86	.78880	52498	18131		96	.78976	97555	71268	
	+	9	65381	98053		+	9	63434	37230
	-		194	65372		-		194	89166
87	.78890	17880	16184		97	.78986	60990	08498	
	+	9	65187	32681		+	9	63239	48064
	-		194	67752		-		194	91541
88	.78899	83067	48865		98	.78996	24229	56562	
	+	9	64992	64929		+	9	63044	56523
	-		194	70135		-		194	93918
89	.78909	48060	13794		99	.79005	87274	13085	
	+	9	64797	94794		+	9	62849	62605
	-		194	72513		-		194	96293

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

58^c	Sine.			58^c	Sine.				
00'	.79015	50123	75690	10'	.79111	67893	13846		
	+	9	62654	66312		+	9	60703	72818
	-		194	98669		-		195	22395
01	.79025	12778	42002	11	.79121	28596	86664		
	+	9	62459	67643		+	9	60508	50423
	-		195	01043		-		195	24764
02	.79034	75238	09645	12	.79130	89105	37087		
	+	9	62264	66600		+	9	60313	25659
	-		195	03418		-		195	27135
03	.79044	37502	76245	13	.79140	49418	62746		
	+	9	62069	63182		+	9	60117	98524
	-		195	05792		-		195	29503
04	.79053	99572	39427	14	.79150	09536	61270		
	+	9	61874	57390		+	9	59922	69021
	-		195	08164		-		195	31872
05	.79063	61446	96817	15	.79159	69459	30291		
	+	9	61679	49226		+	9	59727	37149
	-		195	10538		-		195	34239
06	.79073	23126	46043	16	.79169	29186	67440		
	+	9	61484	38688		+	9	59532	02910
	-		195	12911		-		195	36608
07	.79082	84610	84731	17	.79178	88718	70350		
	+	9	61289	25777		+	9	59336	66302
	-		195	15281		-		195	38974
08	.79092	45900	10508	18	.79188	48055	36652		
	+	9	61094	10496		+	9	59141	27328
	-		195	17654		-		195	41341
09	.79102	06994	21004	19	.79198	07196	63980		
	+	9	60898	92842		+	9	58945	85987
	-		195	20024		-		195	43707

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

58^c	Sine.			58^c	Sine.		
20'	.79207	66142	49967	30'	.79303	44848	15780
	+	9	58750	42280		+	9
	-		195	46073		-	195
21	.79217	24892	92247	31	.79313	01642	90960
	+	9	58554	96207		+	9
	-		195	48437		-	195
22	.79226	83447	88454	32	.79322	58241	96437
	+	9	58359	47770		+	9
	-		195	50803		-	195
23	.79236	41807	36224	33	.79332	14645	29852
	+	9	58163	96967		+	9
	-		195	53167		-	195
24	.79245	99971	33191	34	.79341	70852	88844
	+	9	57968	43800		+	9
	-		195	55530		-	195
25	.79255	57939	76991	35	.79351	26864	71055
	+	9	57772	88270		+	9
	-		195	57894		-	195
26	.79265	15712	65261	36	.79360	82680	74124
	+	9	57577	30376		+	9
	-		195	60256		-	195
27	.79274	73289	95637	37	.79370	38300	95695
	+	9	57381	70120		+	9
	-		195	62618		-	195
28	.79284	30671	65757	38	.79379	93725	33408
	+	9	57186	07502		+	9
	-		195	64981		-	195
29	.79293	87857	73259	39	.79389	48953	84908
	+	9	56990	42521		+	9
	-		195	67341		-	195

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

58^c	Sine.				58^c	Sine.			
40'	.79399	03986	47835		50'	.79494	43533	87510	
	+	9	54836	72000		+	9	52876	33224
	-		195	93283		-		196	16817
41	.79408	58823	19835		51	.79503	96410	20734	
	+	9	54640	78717		+	9	52680	16407
	-		195	95640		-		196	19168
42	.79418	13463	98552		52	.79513	49090	37141	
	+	9	54444	83077		+	9	52483	97239
	-		195	97995		-		196	21517
43	.79427	67908	81629		53	.79523	01574	34380	
	+	9	54248	85082		+	9	52287	75722
	-		196	00348		-		196	23867
44	.79437	22157	66711		54	.79532	53862	10102	
	+	9	54052	84734		+	9	52091	51855
	-		196	02702		-		196	26217
45	.79446	76210	51445		55	.79542	05953	61957	
	+	9	53856	82032		+	9	51895	25638
	-		196	05057		-		196	28565
46	.79456	30067	33477		56	.79551	57848	87595	
	+	9	53660	76975		+	9	51698	97073
	-		196	07410		-		196	30914
47	.79465	83728	10452		57	.79561	09547	84668	
	+	9	53464	69565		+	9	51502	66159
	-		196	09761		-		196	33260
48	.79475	37192	80017		58	.79570	61050	50827	
	+	9	53268	59804		+	9	51306	32899
	-		196	12115		-		196	35609
49	.79484	90461	39821		59	.79580	12356	83726	
	+	9	53072	47689		+	9	51109	97290
	-		196	14465		-		196	37955

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

58^c	Sine.				58^c	Sine.			
60'	.79589	63466	81016		70'	.79684	63761	79404	
+ 9	50913	59335			+ 9	48948	50817		
-	196	40302			-	196	63737		
61	.79599	14380	40351		71	.79694	12710	30221	
+ 9	50717	19033			+ 9	48751	87080		
-	196	42647			-	196	66079		
62	.79608	65097	59384		72	.79703	61462	17301	
+ 9	50520	76386			+ 9	48555	21001		
-	196	44992			-	196	68419		
63	.79618	15618	35770		73	.79713	10017	38302	
+ 9	50324	31394			+ 9	48358	52582		
-	196	47338			-	196	70759		
64	.79627	65942	67164		74	.79722	58375	90884	
+ 9	50127	84056			+ 9	48161	81823		
-	196	49682			-	196	73098		
65	.79637	16070	51220		75	.79732	06537	72707	
+ 9	49931	34374			+ 9	47965	08725		
-	196	52025			-	196	75439		
66	.79646	66001	85594		76	.79741	54502	81432	
+ 9	49734	82349			+ 9	47768	33286		
-	196	54369			-	196	77775		
67	.79656	15736	67943		77	.79751	02271	14718	
+ 9	49538	27980			+ 9	47571	55511		
-	196	56713			-	196	80114		
68	.79665	65274	95923		78	.79760	49842	70229	
+ 9	49341	71267			+ 9	47374	75397		
-	196	59053			-	196	82452		
69	.79675	14616	67190		79	.79769	97217	45626	
+ 9	49145	12214			+ 9	47177	92945		
-	196	61397			-	196	84789		

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

58^c	Sine.				58^c	Sine.			
80'	.79779	44395	38571		90'	.79874	05344	19265	
	+	9	46981	08156		+	9	45011	31837
	-		196	87125		-		197	10464
81	.79788	91376	46727		91	.79883	50355	51102	
	+	9	46784	21031		+	9	44814	21373
	-		196	89461		-		197	12796
82	.79798	38160	67758		92	.79892	95169	72475	
	+	9	46587	31570		+	9	44617	08577
	-		196	91798		-		197	15127
83	.79807	84747	99328		93	.79902	39786	81052	
	+	9	46390	39772		+	9	44419	93450
	-		196	94131		-		197	17456
84	.79817	31138	39100		94	.79911	84206	74502	
	+	9	46193	45641		+	9	44222	75994
	-		196	96468		-		197	19786
85	.79826	77331	84741		95	.79921	28429	50496	
	+	9	45996	49173		+	9	44025	56208
	-		196	98800		-		197	22117
86	.79836	23328	33914		96	.79930	72455	06704	
	+	9	45799	50373		+	9	43828	34091
	-		197	01135		-		197	24444
87	.79845	69127	84287		97	.79940	16283	40795	
	+	9	45602	49238		+	9	43631	09647
	-		197	03468		-		197	26772
88	.79855	14730	33525		98	.79949	59914	50442	
	+	9	45405	45770		+	9	43433	82875
	-		197	05800		-		197	29101
89	.79864	60135	79295		99	.79959	03348	33317	
	+	9	45208	39970		+	9	43236	53774
	-		197	08133		-		197	31429

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

59°	Sine.			59°	Sine.				
00'	.79968	46584	87091	10'	.80062	68094	12516		
	+	9	43039	22345		+	9	41064	80168
	-		197	33754		-		197	56996
01	.79977	89624	09436	11	.80072	09158	92684		
	+	9	42841	88591		+	9	40867	23172
	-		197	36081		-		197	59318
02	.79987	32465	98027	12	.80081	50026	15856		
	+	9	42644	52510		+	9	40669	63854
	-		197	38408		-		197	61639
03	.79996	75110	50537	13	.80090	90695	79710		
	+	9	42447	14102		+	9	40472	02215
	-		197	40732		-		197	63960
04	.80006	17557	64639	14	.80100	31167	81925		
	+	9	42249	73370		+	9	40274	38255
	-		197	43058		-		197	66279
05	.80015	59807	38009	15	.80109	71442	20180		
	+	9	42052	30312		+	9	40076	71976
	-		197	45381		-		197	68600
06	.80025	01859	68321	16	.80119	11518	92156		
	+	9	41854	84931		+	9	39879	03376
	-		197	47706		-		197	70918
07	.80034	43714	53252	17	.80128	51397	95532		
	+	9	41657	37225		+	9	39681	32458
	-		197	50030		-		197	73237
08	.80043	85371	90477	18	.80137	91079	27990		
	+	9	41459	87195		+	9	39483	59221
	-		197	52351		-		197	75555
09	.80053	26831	77672	19	.80147	30562	87211		
	+	9	41262	34844		+	9	39285	83666
	-		197	54676		-		197	77873

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

59°	Sine.				59°	Sine.			
20'	.80156	69848	70877		30'	.80250	51825	42384	
	+	9	39088	05793		+	9	37108	99707
	-		197	80189		-		198	03333
21	.80166	08936	76670		31	.80259	88934	42091	
	+	9	38890	25604		+	9	36910	96374
	-		197	82507		-		198	05646
22	.80175	47827	02274		32	.80269	25845	38465	
	+	9	38692	43097		+	9	36712	90728
	-		197	84822		-		198	07957
23	.80184	86519	45371		33	.80278	62558	29193	
	+	9	38494	58275		+	9	36514	82771
	-		197	87138		-		198	10268
24	.80194	25014	03646		34	.80287	99073	11964	
	+	9	38296	71137		+	9	36316	72503
	-		197	89453		-		198	12577
25	.80203	63310	74783		35	.80297	35389	84467	
	+	9	38098	81684		+	9	36118	59926
	-		197	91768		-		198	14888
26	.80213	01409	56467		36	.80306	71508	44393	
	+	9	37900	89916		+	9	35920	45038
	-		197	94082		-		198	17198
27	.80222	39310	46383		37	.80316	07428	89431	
	+	9	37702	95834		+	9	35722	27840
	-		197	96396		-		198	19504
28	.80231	77013	42217		38	.80325	43151	17271	
	+	9	37504	99438		+	9	35524	08336
	-		197	98709		-		198	21815
29	.80241	14518	41655		39	.80334	78675	25607	
	+	9	37307	00729		+	9	35325	86521
	-		198	01022		-		198	24122

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

59°	Sine.				59°	Sine.			
40'	.80344	14001	12128		50'	.80437	56352	70084	
	+	9	35127	62399		+	9	33143	94358
	-		198	26429		-		198	49476
41	.80353	49128	74527		51	.80446	89496	64442	
	+	9	34929	35970		+	9	32945	44882
	-		198	28737		-		198	51778
42	.80362	84058	10497		52	.80456	22442	09324	
	+	9	34731	07233		+	9	32746	93104
	-		198	31041		-		198	54079
43	.80372	18789	17730		53	.80465	55189	02428	
	+	9	34532	76192		+	9	32548	39025
	-		198	33349		-		198	56380
44	.80381	53321	93922		54	.80474	87737	41453	
	+	9	34334	42843		+	9	32349	82645
	-		198	35654		-		198	58681
45	.80390	87656	36765		55	.80484	20087	24098	
	+	9	34136	07189		+	9	32151	23964
	-		198	37958		-		198	60980
46	.80400	21792	43954		56	.80493	52238	48062	
	+	9	33937	69231		+	9	31952	62984
	-		198	40263		-		198	63280
47	.80409	55730	13185		57	.80502	84191	11046	
	+	9	33739	28968		+	9	31753	99704
	-		198	42567		-		198	65579
48	.80418	89469	42153		58	.80512	15945	10750	
	+	9	33540	86401		+	9	31555	34125
	-		198	44871		-		198	67878
49	.80428	23010	28554		59	.80521	47500	44875	
	+	9	33342	41530		+	9	31356	66247
	-		198	47172		-		198	70175

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

59^c	Sine.			59^c	Sine.		
60'	.80530	78857	11122	70'	.80623	81491	35005
+ 9	31157	96072		+ 9	29169	68032	
-	198	72474		-	198	95422	
61	.80540	10015	07194	71	.80633	10661	03037
+ 9	30959	23598		+ 9	28970	72610	
-	198	74769		-	198	97713	
62	.80549	40974	30792	72	.80642	39631	75647
+ 9	30760	48829		+ 9	28771	74897	
-	198	77068		-	199	00006	
63	.80558	71734	79621	73	.80651	68403	50544
+ 9	30561	71761		+ 9	28572	74891	
-	198	79362		-	199	02296	
64	.80568	02296	51382	74	.80660	96976	25435
+ 9	30362	92399		+ 9	28373	72595	
-	198	81659		-	199	04587	
65	.80577	32659	43781	75	.80670	25349	98030
+ 9	30164	10740		+ 9	28174	68008	
-	198	83953		-	199	06878	
66	.80586	62823	54521	76	.80679	53524	66038
+ 9	29965	26787		+ 9	27975	61130	
-	198	86248		-	199	09167	
67	.80595	92788	81308	77	.80688	81500	27168
+ 9	29766	40539		+ 9	27776	51963	
-	198	88542		-	199	11456	
68	.80605	22555	21847	78	.80698	09276	79131
+ 9	29567	51997		+ 9	27577	40507	
-	198	90836		-	199	13745	
69	.80614	52122	73844	79	.80707	36854	19638
+ 9	29368	61161		+ 9	27378	26762	
-	198	93129		-	199	16033	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

59°	Sine.			59°	Sine.				
80'	.80716	64232	46400	90'	.80809	27057	54885		
	+	9	27179	10729		+	9	25186	24653
	-		199	18321		-		199	41170
81	.80725	91411	57129	91	.80818	52243	79538		
	+	9	26979	92408		+	9	24986	83483
	-		199	20608		-		199	43454
82	.80735	18391	49537	92	.80827	77230	63021		
	+	9	26780	71800		+	9	24787	40029
	-		199	22895		-		199	45735
83	.80744	45172	21337	93	.80837	02018	03050		
	+	9	26581	48905		+	9	24587	94294
	-		199	25181		-		199	48017
84	.80753	71753	70242	94	.80846	26605	97344		
	+	9	26382	23724		+	9	24388	46277
	-		199	27467		-		199	50297
85	.80762	98135	93966	95	.80855	50994	43621		
	+	9	26182	96257		+	9	24188	95980
	-		199	29752		-		199	52578
86	.80772	24318	90223	96	.80864	75183	39601		
	+	9	25983	66505		+	9	23989	43402
	-		199	32037		-		199	54857
87	.80781	50302	56728	97	.80873	99172	83003		
	+	9	25784	34468		+	9	23789	88545
	-		199	34321		-		199	57138
88	.80790	76086	91196	98	.80883	22962	71548		
	+	9	25585	00147		+	9	23590	31407
	-		199	36605		-		199	59415
89	.80800	01671	91343	99	.80892	46553	02955		
	+	9	25385	63542		+	9	23390	71992
	-		199	38889		-		199	61694

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

60^c	Sine.			60^c	Sine.				
00'	.80901	69943	74947	10'	.80993	92868	25999		
	+	9	23191	10298		+	9	21193	68153
	-		199	63972		-		199	86723
01	.80910	93134	85245	11	.81003	14061	94152		
	+	9	22991	46326		+	9	20993	81430
	-		199	66250		-		199	88996
02	.80920	16126	31571	12	.81012	35055	75582		
	+	9	22791	80076		+	9	20793	92434
	-		199	68526		-		199	91269
03	.80929	38918	11647	13	.81021	55849	68016		
	+	9	22592	11550		+	9	20594	01165
	-		199	70803		-		199	93539
04	.80938	61510	23197	14	.81030	76443	69181		
	+	9	22392	40747		+	9	20394	07626
	-		199	73078		-		199	95811
05	.80947	83902	63944	15	.81039	96837	76807		
	+	9	22192	67669		+	9	20194	11815
	-		199	75355		-		199	98081
06	.80957	06095	31613	16	.81049	17031	88622		
	+	9	21992	92314		+	9	19994	13734
	-		199	77629		-		200	00351
07	.80966	28088	23927	17	.81058	37026	02356		
	+	9	21793	14685		+	9	19794	13383
	-		199	79903		-		200	02621
08	.80975	49881	38612	18	.81067	56820	15739		
	+	9	21593	34782		+	9	19594	10762
	-		199	82177		-		200	04890
09	.80984	71474	73394	19	.81076	76414	26501		
	+	9	21393	52605		+	9	19394	05872
	-		199	84452		-		200	07157

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

60^c	Sine.			60^c	Sine.				
20'	.81085	95808	32373	30'	.81177	78741	23338		
	+	9	19193	98715		+	9	17192	02473
	-		200	09427		-		200	32080
21	.81095	15002	31088	31	.81186	95933	25811		
	+	9	18993	89288		+	9	16991	70393
	-		200	11694		-		200	34341
22	.81104	33996	20376	32	.81196	12924	96204		
	+	9	18793	77594		+	9	16791	36052
	-		200	13960		-		200	36604
23	.81113	52789	97970	33	.81205	29716	32256		
	+	9	18593	63634		+	9	16590	99448
	-		200	16228		-		200	38866
24	.81122	71383	61604	34	.81214	46307	31704		
	+	9	18393	47406		+	9	16390	60582
	-		200	18493		-		200	41126
25	.81131	89777	09010	35	.81223	62697	92286		
	+	9	18193	28913		+	9	16190	19456
	-		200	20759		-		200	43388
26	.81141	07970	37923	36	.81232	78888	11742		
	+	9	17993	08154		+	9	15989	76068
	-		200	23024		-		200	45646
27	.81150	25963	46077	37	.81241	94877	87810		
	+	9	17792	85130		+	9	15789	30422
	-		200	25288		-		200	47908
28	.81159	43756	31207	38	.81251	10667	18232		
	+	9	17592	59842		+	9	15588	82514
	-		200	27553		-		200	50166
29	.81168	61348	91049	39	.81260	26256	00746		
	+	9	17392	32289		+	9	15388	32348
	-		200	29816		-		200	52425

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

	60°	Sine.				60°	Sine.		
40'	.81269	41644	33094		50'	.81360	84495	00787	
	+	9	15187	79923		+	9	13181	31561
	-		200	54682		-		200	77238
41	.81278	56832	13017		51	.81369	97676	32348	
	+	9	14987	25241		+	9	12980	54323
	-		200	56941		-		200	79489
42	.81287	71819	38258		52	.81379	10656	86671	
	+	9	14786	68300		+	9	12779	74834
	-		200	59198		-		200	81742
43	.81296	86606	06558		53	.81388	23436	61505	
	+	9	14586	09102		+	9	12578	93092
	-		200	61453		-		200	83994
44	.81306	01192	15660		54	.81397	36015	54597	
	+	9	14385	47649		+	9	12378	09098
	-		200	63712		-		200	86244
45	.81315	15577	63309		55	.81406	48393	63695	
	+	9	14184	83937		+	9	12177	22854
	-		200	65965		-		200	88496
46	.81324	29762	47246		56	.81415	60570	86549	
	+	9	13984	17972		+	9	11976	34358
	-		200	68222		-		200	90745
47	.81333	43746	65218		57	.81424	72547	20907	
	+	9	13783	49750		+	9	11775	43613
	-		200	70475		-		200	92996
48	.81342	57530	14968		58	.81433	84322	64520	
	+	9	13582	79275		+	9	11574	50617
	-		200	72731		-		200	95245
49	.81351	71112	94243		59	.81442	95897	15137	
	+	9	13382	06544		+	9	11373	55372
	-		200	74983		-		200	97492

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

60^c	Sine.			60^c	Sine.				
60'	.81452	07270	70509	70'	.81543	09948	91307		
	+	9	11172	57880		+	9	09161	59375
	-		200	99743		-		201	22197
61	.81461	18443	28389	71	.81552	19110	50682		
	+	9	10971	58137		+	9	08960	37178
	-		201	01989		-		201	24438
62	.81470	29414	86526	72	.81561	28070	87860		
	+	9	10770	56148		+	9	08759	12740
	-		201	04236		-		201	26683
63	.81479	40185	42674	73	.81570	36830	00600		
	+	9	10569	51912		+	9	08557	86057
	-		201	06483		-		201	28923
64	.81488	50754	94586	74	.81579	45387	86657		
	+	9	10368	45429		+	9	08356	57134
	-		201	08730		-		201	31164
65	.81497	61123	40015	75	.81588	53744	43791		
	+	9	10167	36699		+	9	08155	25970
	-		201	10976		-		201	33406
66	.81506	71290	76714	76	.81597	61899	69761		
	+	9	09966	25723		+	9	07953	92564
	-		201	13219		-		201	35646
67	.81515	81257	02437	77	.81606	69853	62325		
	+	9	09765	12504		+	9	07752	56918
	-		201	15467		-		201	37885
68	.81524	91022	14941	78	.81615	77606	19243		
	+	9	09563	97037		+	9	07551	19033
	-		201	17708		-		201	40125
69	.81534	00586	11978	79	.81624	85157	38276		
	+	9	09362	79329		+	9	07349	78908
	-		201	19954		-		201	42364

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

60^c	Sine.			60^c	Sine.				
80'	.81633	92507	17184	90'	.81724	54923	07110		
	+	9	07148	36544		+	9	05132	89884
	-		201	44601		-		201	66958
81	.81642	99655	53728	91	.81733	60055	96994		
	+	9	06946	91943		+	9	04931	22926
	-		201	46840		-		201	69190
82	.81652	06602	45671	92	.81742	64987	19920		
	+	9	06745	45103		+	9	04729	53736
	-		201	49078		-		201	71423
83	.81661	13347	90774	93	.81751	69716	73656		
	+	9	06543	96025		+	9	04527	82313
	-		201	51313		-		201	73654
84	.81670	19891	86799	94	.81760	74244	55969		
	+	9	06342	44712		+	9	04326	08659
	-		201	53550		-		201	75887
85	.81679	26234	31511	95	.81769	78570	64628		
	+	9	06140	91162		+	9	04124	32772
	-		201	55786		-		201	78115
86	.81688	32375	22673	96	.81778	82694	97400		
	+	9	05939	35376		+	9	03922	54657
	-		201	58022		-		201	80349
87	.81697	38314	58049	97	.81787	86617	52057		
	+	9	05737	77354		+	9	03720	74308
	-		201	60255		-		201	82575
88	.81706	44052	35403	98	.81796	90338	26365		
	+	9	05536	17099		+	9	03518	91733
	-		201	62491		-		201	84808
89	.81715	49588	52502	99	.81805	93857	18098		
	+	9	05334	54608		+	9	03317	06925
	-		201	64724		-		201	87034

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

61^c	Sine.			61^c	Sine.				
00'	.81814	97174	25023	10'	.81905	19238	39839		
	+	9	03115	19891		+	9	01095	27063
	-		201	89263		-		202	11519
01	.81824	00289	44914	11	.81914	20333	66902		
	+	9	02913	30628		+	9	00893	15544
	-		201	91492		-		202	13743
02	.81833	03202	75542	12	.81923	21226	82446		
	+	9	02711	39136		+	9	00691	01801
	-		201	93719		-		202	15965
03	.81842	05914	14678	13	.81932	21917	84247		
	+	9	02509	45417		+	9	00488	85836
	-		201	95945		-		202	18186
04	.81851	08423	60095	14	.81941	22406	70083		
	+	9	02307	49472		+	9	00286	67650
	-		201	98172		-		202	20408
05	.81860	10731	09567	15	.81950	22693	37733		
	+	9	02105	51300		+	9	00084	47242
	-		202	00398		-		202	22629
06	.81869	12836	60867	16	.81959	22777	84975		
	+	9	01903	50902		+	8	99882	24613
	-		202	02622		-		202	24850
07	.81878	14740	11769	17	.81968	22660	09588		
	+	9	01701	48280		+	8	99679	99763
	-		202	04849		-		202	27068
08	.81887	16441	60049	18	.81977	22340	09351		
	+	9	01499	43431		+	8	99477	72695
	-		202	07072		-		202	29289
09	.81896	17941	03480	19	.81986	21817	82046		
	+	9	01297	36359		+	8	99275	43406
	-		202	09296		-		202	31507

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

61°	Sine.			61°	Sine.				
20'	.81995	21093	25452	30'	.82085	02716	60745		
	+	8	99073	11899		+	8	97048	74897
	-		202	33726		-		202	55881
21	.82004	20166	37351	31	.82093	99765	35642		
	+	8	98870	78173		+	8	96846	19016
	-		202	35943		-		202	58096
22	.82013	19037	15524	32	.82102	96611	54658		
	+	8	98668	42230		+	8	96643	60920
	-		202	38161		-		202	60306
23	.82022	17705	57754	33	.82111	93255	15578		
	+	8	98466	04069		+	8	96441	00614
	-		202	40378		-		202	62520
24	.82031	16171	61823	34	.82120	89696	16192		
	+	8	98263	63691		+	8	96238	38094
	-		202	42595		-		202	64730
25	.82040	14435	25514	35	.82129	85934	54286		
	+	8	98061	21096		+	8	96035	73364
	-		202	44809		-		202	66942
26	.82049	12496	46610	36	.82138	81970	27650		
	+	8	97858	76287		+	8	95833	06422
	-		202	47026		-		202	69151
27	.82058	10355	22897	37	.82147	77803	34072		
	+	8	97656	29261		+	8	95630	37271
	-		202	49240		-		202	71362
28	.82067	08011	52158	38	.82156	73433	71343		
	+	8	97453	80021		+	8	95427	65909
	-		202	51455		-		202	73571
29	.82076	05465	32179	39	.82165	68861	37252		
	+	8	97251	28566		+	8	95224	92338
	-		202	53669		-		202	75780

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

61^c	Sine.			61^c	Sine.				
40'	.82174	64086	29590	50'	.82264	05180	20860		
	+	8	95022	16558		+	8	92993	37381
	-		202	77988		-		203	00045
41	.82183	59108	46148	51	.82272	98173	58241		
	+	8	94819	38570		+	8	92790	37336
	-		202	80196		-		203	02246
42	.82192	53927	84718	52	.82281	90963	95577		
	+	8	94616	58374		+	8	92587	35090
	-		202	82404		-		203	04451
43	.82201	48544	43092	53	.82290	83551	30667		
	+	8	94413	75970		+	8	92384	30639
	-		202	84610		-		203	06651
44	.82210	42958	19062	54	.82299	75935	61306		
	+	8	94210	91360		+	8	92181	23988
	-		202	86817		-		203	08854
45	.82219	37169	10422	55	.82308	68116	85294		
	+	8	94008	04543		+	8	91978	15134
	-		202	89022		-		203	11053
46	.82228	31177	14965	56	.82317	60095	00428		
	+	8	93805	15521		+	8	91775	04081
	-		202	91229		-		203	13254
47	.82237	24982	30486	57	.82326	51870	04509		
	+	8	93602	24292		+	8	91571	90827
	-		202	93432		-		203	15455
48	.82246	18584	54778	58	.82335	43441	95336		
	+	8	93399	30860		+	8	91368	75372
	-		202	95638		-		203	17653
49	.82255	11983	85638	59	.82344	34810	70708		
	+	8	93196	35222		+	8	91165	57719
	-		202	97841		-		203	19852

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

61^c	Sine.			61^c	Sine.				
60'	.82353	25976	28427	70'	.82442	26452	51175		
	+	8	90962	37867		+	8	88929	18517
	-		203	22051		-		203	44008
61	.82362	16938	66294	71	.82451	15381	69692		
	+	8	90759	15816		+	8	88725	74509
	-		203	24248		-		203	46199
62	.82371	07697	82110	72	.82460	04107	44201		
	+	8	90555	91568		+	8	88522	28310
	-		203	26447		-		203	48392
63	.82379	98253	73678	73	.82468	92629	72511		
	+	8	90352	65121		+	8	88318	79918
	-		203	28642		-		203	50584
64	.82388	88606	38799	74	.82477	80948	52429		
	+	8	90149	36479		+	8	88115	29334
	-		203	30839		-		203	52774
65	.82397	78755	75278	75	.82486	69063	81763		
	+	8	89946	05640		+	8	87911	76560
	-		203	33036		-		203	54967
66	.82406	68701	80918	76	.82495	56975	58323		
	+	8	89742	72604		+	8	87708	21593
	-		203	35229		-		203	57156
67	.82415	58444	53522	77	.82504	44683	79916		
	+	8	89539	37375		+	8	87504	64437
	-		203	37426		-		203	59346
68	.82424	47983	90897	78	.82513	32188	44353		
	+	8	89335	99949		+	8	87301	05091
	-		203	39620		-		203	61535
69	.82433	37319	90846	79	.82522	19489	49444		
	+	8	89132	60329		+	8	87097	43556
	-		203	41812		-		203	63725

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

61^c	Sine.			61^c	Sine.				
80'	.82531	06586	93000	90'	.82619	66357	62815		
	+	8	86893	79831		+	8	84856	22314
	-		203	65912		-		203	87768
81	.82539	93480	72831	91	.82628	51213	85129		
	+	8	86690	13919		+	8	84652	34546
	-		203	68101		-		203	89950
82	.82548	80170	86750	92	.82637	35866	19675		
	+	8	86486	45818		+	8	84448	44596
	-		203	70287		-		203	92134
83	.82557	66657	32568	93	.82646	20314	64271		
	+	8	86282	75531		+	8	84244	52462
	-		203	72475		-		203	94316
84	.82566	52940	08099	94	.82655	04559	16733		
	+	8	86079	03056		+	8	84040	58146
	-		203	74661		-		203	96495
85	.82575	39019	11155	95	.82663	88599	74879		
	+	8	85875	28395		+	8	83836	61651
	-		203	76846		-		203	98677
86	.82584	24894	39550	96	.82672	72436	36530		
	+	8	85671	51549		+	8	83632	62974
	-		203	79032		-		204	00858
87	.82593	10565	91099	97	.82681	56068	99504		
	+	8	85467	72517		+	8	83428	62116
	-		203	81217		-		204	03037
88	.82601	96033	63616	98	.82690	39497	61620		
	+	8	85263	91300		+	8	83224	59079
	-		203	83401		-		204	05216
89	.82610	81297	54916	99	.82699	22722	20699		
	+	8	85060	07899		+	8	83020	53863
	-		203	85585		-		204	07396

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

62^c	Sine.			62^c	Sine.				
00'	.82708	05742	74562	10'	.82796	24720	47209		
	+	8	82816	46467		+	8	80774	52795
	-		204	09572		-		204	31329
01	.82716	88559	21029	11	.82805	05495	00004		
	+	8	82612	36895		+	8	80570	21466
	-		204	11752		-		204	33500
02	.82725	71171	57924	12	.82813	86065	21470		
	+	8	82408	25143		+	8	80365	87966
	-		204	13929		-		204	35674
03	.82734	53579	83067	13	.82822	66431	09436		
	+	8	82204	11214		+	8	80161	52292
	-		204	16104		-		204	37845
04	.82743	35783	94281	14	.82831	46592	61728		
	+	8	81999	95110		+	8	79957	14447
	-		204	18282		-		204	40016
05	.82752	17783	89391	15	.82840	26549	76175		
	+	8	81795	76828		+	8	79752	74431
	-		204	20458		-		204	42187
06	.82760	99579	66219	16	.82849	06302	50606		
	+	8	81591	56370		+	8	79548	32244
	-		204	22631		-		204	44357
07	.82769	81171	22589	17	.82857	85850	82850		
	+	8	81387	33739		+	8	79343	87887
	-		204	24808		-		204	46526
08	.82778	62558	56328	18	.82866	65194	70737		
	+	8	81183	08931		+	8	79139	41361
	-		204	26981		-		204	48697
09	.82787	43741	65259	19	.82875	44334	12098		
	+	8	80978	81950		+	8	78934	92664
	-		204	29155		-		204	50864

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

62 ^c	Sine.				62 ^c	Sine.			
20'	.82884	23269	04762		30'	.82972	01366	76266	
	+	8	78730	41800		+	8	76684	13986
	-		204	53034		-		204	74686
21	.82893	01999	46562		31	.82980	78050	90252	
	+	8	78525	88766		+	8	76479	39300
	-		204	55199		-		204	76850
22	.82901	80525	35328		32	.82989	54530	29552	
	+	8	78321	33567		+	8	76274	62450
	-		204	57369		-		204	79011
23	.82910	58846	68895		33	.82998	30804	92002	
	+	8	78116	76198		+	8	76069	83439
	-		204	59533		-		204	81174
24	.82919	36963	45093		34	.83007	06874	75441	
	+	8	77912	16665		+	8	75865	02265
	-		204	61702		-		204	83334
25	.82928	14875	61758		35	.83015	82739	77706	
	+	8	77707	54963		+	8	75660	18931
	-		204	63865		-		204	85495
26	.82936	92583	16721		36	.83024	58399	96637	
	+	8	77502	91098		+	8	75455	33436
	-		204	66032		-		204	87655
27	.82945	70086	07819		37	.83033	33855	30073	
	+	8	77298	25066		+	8	75250	45781
	-		204	68195		-		204	89815
28	.82954	47384	32885		38	.83042	09105	75854	
	+	8	77093	56871		+	8	75045	55966
	-		204	70361		-		204	91973
29	.82963	24477	89756		39	.83050	84151	31820	
	+	8	76888	86510		+	8	74840	63993
	-		204	72524		-		204	94133

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

62^c	Sine.			62^c	Sine.				
40'	.83059	58991	95813	50'	.83146	96123	02545		
	+	8	74635	69860		+	8	72585	09927
	-		204	96290		-		205	17844
41	.83068	33627	65673	51	.83155	68708	12472		
	+	8	74430	73570		+	8	72379	92083
	-		204	98448		-		205	19996
42	.83077	08058	39243	52	.83164	41088	04555		
	+	8	74225	75122		+	8	72174	72087
	-		205	00605		-		205	22148
43	.83085	82284	14365	53	.83173	13262	76642		
	+	8	74020	74517		+	8	71969	49939
	-		205	02762		-		205	24299
44	.83094	56304	88882	54	.83181	85232	26581		
	+	8	73815	71755		+	8	71764	25640
	-		205	04918		-		205	26450
45	.83103	30120	60637	55	.83190	56996	52221		
	+	8	73610	66837		+	8	71558	99190
	-		205	07072		-		205	28602
46	.83112	03731	27474	56	.83199	28555	51411		
	+	8	73405	59765		+	8	71353	70588
	-		205	09229		-		205	30750
47	.83120	77136	87239	57	.83207	99909	21999		
	+	8	73200	50536		+	8	71148	39838
	-		205	11382		-		205	32900
48	.83129	50337	37775	58	.83216	71057	61837		
	+	8	72995	39154		+	8	70943	06938
	-		205	13538		-		205	35050
49	.83138	23332	76929	59	.83225	42000	68775		
	+	8	72790	25616		+	8	70737	71888
	-		205	15689		-		205	37197

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

62^c	Sine.				62^c	Sine.			
60'	.83234	12738	40663		70'	.83321	08816	59429	
	+	8	70532	34691		+	8	68477	44660
	-		205	39346		-		205	60797
61	.83242	83270	75354		71	.83329	77294	04089	
	+	8	70326	95345		+	8	68271	83863
	-		205	41493		-		205	62941
62	.83251	53597	70699		72	.83338	45565	87952	
	+	8	70121	53852		+	8	68066	20922
	-		205	43640		-		205	65080
63	.83260	23719	24551		73	.83347	13632	08874	
	+	8	69916	10212		+	8	67860	55842
	-		205	45786		-		205	67224
64	.83268	93635	34763		74	.83355	81492	64716	
	+	8	69710	64426		+	8	67654	88618
	-		205	47933		-		205	69363
65	.83277	63345	99189		75	.83364	49147	53334	
	+	8	69505	16493		+	8	67449	19255
	-		205	50078		-		205	71504
66	.83286	32851	15682		76	.83373	16596	72589	
	+	8	69299	66415		+	8	67243	47751
	-		205	52223		-		205	73645
67	.83295	02150	82097		77	.83381	83840	20340	
	+	8	69094	14192		+	8	67037	74106
	-		205	54366		-		205	75782
68	.83303	71244	96289		78	.83390	50877	94446	
	+	8	68888	59826		+	8	66831	98324
	-		205	56512		-		205	77923
69	.83312	40133	56115		79	.83399	17709	92770	
	+	8	68683	03314		+	8	66626	20401
	-		205	58654		-		205	80060

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

62^c	Sine.			62^c	Sine.				
80'	.83407	84336	13171	90'	.83494	39275	61292		
	+	8	66420	40341		+	8	64361	22241
	-		205	82198		-		206	03548
81	.83416	50756	53512	91	.83503	03636	83533		
	+	8	66214	58143		+	8	64155	18693
	-		205	84336		-		206	05681
82	.83425	16971	11655	92	.83511	67792	02226		
	+	8	66008	73807		+	8	63949	13012
	-		205	86472		-		206	07811
83	.83433	82979	85462	93	.83520	31741	15238		
	+	8	65802	87335		+	8	63743	05201
	-		205	88609		-		206	09945
84	.83442	48782	72797	94	.83528	95484	20439		
	+	8	65596	98726		+	8	63536	95256
	-		205	90744		-		206	12073
85	.83451	14379	71523	95	.83537	59021	15695		
	+	8	65391	07982		+	8	63330	83183
	-		205	92879		-		206	14205
86	.83459	79770	79505	96	.83546	22351	98878		
	+	8	65185	15103		+	8	63124	68978
	-		205	95016		-		206	16334
87	.83468	44955	94608	97	.83554	85476	67856		
	+	8	64979	20087		+	8	62918	52644
	-		205	97147		-		206	18463
88	.83477	09935	14695	98	.83563	48395	20500		
	+	8	64773	22940		+	8	62712	34181
	-		205	99283		-		206	20592
89	.83485	74708	37635	99	.83572	11107	54681		
	+	8	64567	23657		+	8	62506	13589
	-		206	01416		-		206	22720

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

63^c	Sine.				63^c	Sine.			
00'	.83580	73613	68270		10'	.83666	87329	03670	
	+	8	62299	90869		+	8	60236	46733
	-		206	24847		-		206	46096
01	.83589	35913	59139		11	.83675	47565	50403	
	+	8	62093	66022		+	8	60030	00637
	-		206	26975		-		206	48218
02	.83597	98007	25161		12	.83684	07595	51040	
	+	8	61887	39047		+	8	59823	52419
	-		206	29102		-		206	50340
03	.83606	59894	64208		13	.83692	67419	03459	
	+	8	61681	09945		+	8	59617	02079
	-		206	31227		-		206	52460
04	.83615	21575	74153		14	.83701	27036	05538	
	+	8	61474	78718		+	8	59410	49619
	-		206	33353		-		206	54581
05	.83623	83050	52871		15	.83709	86446	55157	
	+	8	61268	45365		+	8	59203	95038
	-		206	35479		-		206	56702
06	.83632	44318	98236		16	.83718	45650	50195	
	+	8	61062	09886		+	8	58997	38336
	-		206	37602		-		206	58820
07	.83641	05381	08122		17	.83727	04647	88531	
	+	8	60855	72284		+	8	58790	79516
	-		206	39727		-		206	60940
08	.83649	66236	80406		18	.83735	63438	68047	
	+	8	60649	32557		+	8	58584	18576
	-		206	41850		-		206	63057
09	.83658	26886	12963		19	.83744	22022	86623	
	+	8	60442	90707		+	8	58377	55519
	-		206	43974		-		206	65177

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

63^c	Sine.			63^c	Sine.		
20'	.83752	80400	42142	30'	.83838	52806	63431
	+	8	58170	90342		+	8
	-		206	67293		-	206
21	.83761	38571	32484	31	.83847	08909	85637
	+	8	57964	23049		+	8
	-		206	69411		-	206
22	.83769	96535	55533	32	.83855	64806	19403
	+	8	57757	53638		+	8
	-		206	71527		-	206
23	.83778	54293	09171	33	.83864	20495	62618
	+	8	57550	82111		+	8
	-		206	73642		-	206
24	.83787	11843	91282	34	.83872	75978	13169
	+	8	57344	08469		+	8
	-		206	75759		-	206
25	.83795	69187	99751	35	.83881	31253	68947
	+	8	57137	32710		+	8
	-		206	77872		-	206
26	.83804	26325	32461	36	.83889	86322	27840
	+	8	56930	54838		+	8
	-		206	79988		-	207
27	.83812	83255	87299	37	.83898	41183	87739
	+	8	56723	74850		+	8
	-		206	82102		-	207
28	.83821	39979	62149	38	.83906	95838	46535
	+	8	56516	92748		+	8
	-		206	84214		-	207
29	.83829	96496	54897	39	.83915	50286	02118
	+	8	56310	08534		+	8
	-		206	86328		-	207

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

63^c	Sine.			63^c	Sine.				
40'	.83924	04526	52382	50'	.84009	35538	98942		
	+	8	54033	42835		+	8	51961	52740
	-		207	09535		-		207	30580
41	.83932	58559	95217	51	.84017	87500	51682		
	+	8	53826	33300		+	8	51754	22160
	-		207	11643		-		207	32681
42	.83941	12386	28517	52	.84026	39254	73842		
	+	8	53619	21657		+	8	51546	89479
	-		207	13747		-		207	34782
43	.83949	66005	50174	53	.84034	90801	63321		
	+	8	53412	07910		+	8	51339	54697
	-		207	15855		-		207	36884
44	.83958	19417	58084	54	.84043	42141	18018		
	+	8	53204	92055		+	8	51132	17813
	-		207	17958		-		207	38982
45	.83966	72622	50139	55	.84051	93273	35831		
	+	8	52997	74097		+	8	50924	78831
	-		207	20065		-		207	41083
46	.83975	25620	24236	56	.84060	44198	14662		
	+	8	52790	54032		+	8	50717	37748
	-		207	22168		-		207	43182
47	.83983	78410	78268	57	.84068	94915	52410		
	+	8	52583	31864		+	8	50509	94566
	-		207	24272		-		207	45280
48	.83992	30994	10132	58	.84077	45425	46976		
	+	8	52376	07592		+	8	50302	49286
	-		207	26374		-		207	47379
49	.84000	83370	17724	59	.84085	95727	96262		
	+	8	52168	81218		+	8	50095	01907
	-		207	28478		-		207	49475

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

63^c	Sine.				63^c	Sine.			
60'	.84094	45822	98169		70'	.84179	35357	50235	
	+	8	49887	52432		+	8	47811	42422
	-		207	51573		-		207	72514
61	.84102	95710	50601		71	.84187	83168	92657	
	+	8	49680	00859		+	8	47603	69908
	-		207	53670		-		207	74607
62	.84111	45390	51460		72	.84196	30772	62565	
	+	8	49472	47189		+	8	47395	95301
	-		207	55765		-		207	76697
63	.84119	94862	98649		73	.84204	78168	57866	
	+	8	49264	91424		+	8	47188	18604
	-		207	57860		-		207	78787
64	.84128	44127	90073		74	.84213	25356	76470	
	+	8	49057	33564		+	8	46980	39817
	-		207	59957		-		207	80878
65	.84136	93185	23637		75	.84221	72337	16287	
	+	8	48849	73607		+	8	46772	58939
	-		207	62049		-		207	82966
66	.84145	42034	97244		76	.84230	19109	75226	
	+	8	48642	11558		+	8	46564	75973
	-		207	64145		-		207	85056
67	.84153	90677	08802		77	.84238	65674	51199	
	+	8	48434	47413		+	8	46356	90917
	-		207	66238		-		207	87143
68	.84162	39111	56215		78	.84247	12031	42116	
	+	8	48226	81175		+	8	46149	03774
	-		207	68330		-		207	89232
69	.84170	87338	37390		79	.84255	58180	45890	
	+	8	48019	12845		+	8	45941	14542
	-		207	70423		-		207	91318

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

63^c	Sine.				63^c	Sine.			
80'	.84264	04121	60432		90'	.84348	52094	39177	
	+	8	45733	23224		+	8	43652	95348
	-		207	93406		-		208	14244
81	.84272	49854	83656		91	.84356	95747	34525	
	+	8	45525	29818		+	8	43444	81104
	-		207	95492		-		208	16326
82	.84280	95380	13474		92	.84365	39192	15629	
	+	8	45317	34326		+	8	43236	64778
	-		207	97577		-		208	18407
83	.84289	40697	47800		93	.84373	82428	80407	
	+	8	45109	36749		+	8	43028	46371
	-		207	99663		-		208	20487
84	.84297	85806	84549		94	.84382	25457	26778	
	+	8	44901	37086		+	8	42820	25884
	-		208	01748		-		208	22566
85	.84306	30708	21635		95	.84390	68277	52662	
	+	8	44693	35338		+	8	42612	03318
	-		208	03831		-		208	24646
86	.84314	75401	56973		96	.84399	10889	55980	
	+	8	44485	31507		+	8	42403	78672
	-		208	05915		-		208	26723
87	.84323	19886	88480		97	.84407	53293	34652	
	+	8	44277	25592		+	8	42195	51949
	-		208	07999		-		208	28802
88	.84331	64164	14072		98	.84415	95488	86601	
	+	8	44069	17593		+	8	41987	23147
	-		208	10081		-		208	30880
89	.84340	08233	31665		99	.84424	37476	09748	
	+	8	43861	07512		+	8	41778	92267
	-		208	12164		-		208	32956

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

64^c	Sine.			64^c	Sine.				
00'	.84432	79255	02015	10'	.84516	85582	69630		
	+	8	41570	59311		+	8	39486	15623
	-		208	35033		-		208	55769
01	.84441	20825	61326	11	.84525	25068	85253		
	+	8	41362	24278		+	8	39277	59854
	-		208	37110		-		208	57840
02	.84449	62187	85604	12	.84533	64346	45107		
	+	8	41153	87168		+	8	39069	02014
	-		208	39183		-		208	59911
03	.84458	03341	72772	13	.84542	03415	47121		
	+	8	40945	47985		+	8	38860	42103
	-		208	41260		-		208	61981
04	.84466	44287	20757	14	.84550	42275	89224		
	+	8	40737	06725		+	8	38651	80122
	-		208	43334		-		208	64049
05	.84474	85024	27482	15	.84558	80927	69346		
	+	8	40528	63391		+	8	38443	16073
	-		208	45407		-		208	66119
06	.84483	25552	90873	16	.84567	19370	85419		
	+	8	40320	17984		+	8	38234	49954
	-		208	47482		-		208	68188
07	.84491	65873	08857	17	.84575	57605	35373		
	+	8	40111	70502		+	8	38025	81766
	-		208	49553		-		208	70253
08	.84500	05984	79359	18	.84583	95631	17139		
	+	8	39903	20949		+	8	37817	11513
	-		208	51627		-		208	72323
09	.84508	45888	00308	19	.84592	33448	28652		
	+	8	39694	69322		+	8	37608	39190
	-		208	53699		-		208	74388

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

64°	Sine.				64°	Sine.			
20'	.84600	71056	67842		30'	.84684	35656	27621	
	+	8	37399	64802		+	8	35311	07360
	-		208	76455		-		208	97089
21	.84609	08456	32644		31	.84692	70967	34981	
	+	8	37190	88347		+	8	35102	10271
	-		208	78520		-		208	99149
22	.84617	45647	20991		32	.84701	06069	45252	
	+	8	36982	09827		+	8	34893	11122
	-		208	80587		-		209	01208
23	.84625	82629	30818		33	.84709	40962	56374	
	+	8	36773	29240		+	8	34684	09914
	-		208	82649		-		209	03269
24	.84634	19402	60058		34	.84717	75646	66288	
	+	8	36564	46591		+	8	34475	06645
	-		208	84715		-		209	05328
25	.84642	55967	06649		35	.84726	10121	72933	
	+	8	36355	61876		+	8	34266	01317
	-		208	86778		-		209	07385
26	.84650	92322	68525		36	.84734	44387	74250	
	+	8	36146	75098		+	8	34056	93932
	-		208	88841		-		209	09445
27	.84659	28469	43623		37	.84742	78444	68182	
	+	8	35937	86257		+	8	33847	84487
	-		208	90904		-		209	11501
28	.84667	64407	29880		38	.84751	12292	52669	
	+	8	35728	95353		+	8	33638	72986
	-		208	92965		-		209	13558
29	.84676	00136	25233		39	.84759	45931	25655	
	+	8	35520	02388		+	8	33429	59428
	-		208	95028		-		209	15615

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

64^c	Sine.			64^c	Sine.				
40'	.84767	79360	85083	50'	.84851	02149	81504		
	+	8	33220	43813		+	8	31127	74677
	-		209	17670		-		209	38200
41	.84776	12581	28896	51	.84859	33277	56181		
	+	8	33011	26143		+	8	30918	36477
	-		209	19726		-		209	40252
42	.84784	45592	55039	52	.84867	64195	92658		
	+	8	32802	06417		+	8	30708	96225
	-		209	21781		-		209	42300
43	.84792	78394	61456	53	.84875	94904	88883		
	+	8	32592	84636		+	8	30499	53925
	-		209	23835		-		209	44351
44	.84801	10987	46092	54	.84884	25404	42808		
	+	8	32383	60801		+	8	30290	09574
	-		209	25890		-		209	46398
45	.84809	43371	06893	55	.84892	55694	52382		
	+	8	32174	34911		+	8	30080	63176
	-		209	27941		-		209	48448
46	.84817	75545	41804	56	.84900	85775	15558		
	+	8	31965	06970		+	8	29871	14728
	-		209	29996		-		209	50494
47	.84826	07510	48774	57	.84909	15646	30286		
	+	8	31755	76974		+	8	29661	64234
	-		209	32046		-		209	52542
48	.84834	39266	25748	58	.84917	45307	94520		
	+	8	31546	44928		+	8	29452	11692
	-		209	34100		-		209	54587
49	.84842	70812	70676	59	.84925	74760	06212		
	+	8	31337	10828		+	8	29242	57105
	-		209	36151		-		209	56636

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

64^c	Sine.			64^c	Sine.				
60'	.84934	04002	63317	70'	.85016	84898	82122		
	+	8	29033	00469		+	8	26936	21706
	-		209	58679		-		209	79107
61	.84942	33035	63786	71	.85025	11835	03828		
	+	8	28823	41790		+	8	26726	42599
	-		209	60725		-		209	81147
62	.84950	61859	05576	72	.85033	38561	46427		
	+	8	28613	81065		+	8	26516	61452
	-		209	62770		-		209	83186
63	.84958	90472	86641	73	.85041	65078	07879		
	+	8	28404	18295		+	8	26306	78266
	-		209	64813		-		209	85225
64	.84967	18877	04936	74	.85049	91384	86145		
	+	8	28194	53482		+	8	26096	93041
	-		209	66857		-		209	87263
65	.84975	47071	58418	75	.85058	17481	79186		
	+	8	27984	86625		+	8	25887	05778
	-		209	68900		-		209	89302
66	.84983	75056	45043	76	.85066	43368	84964		
	+	8	27775	17725		+	8	25677	16476
	-		209	70942		-		209	91338
67	.84992	02831	62768	77	.85074	69046	01440		
	+	8	27565	46783		+	8	25467	25138
	-		209	72984		-		209	93375
68	.85000	30397	09551	78	.85082	94513	26578		
	+	8	27355	73799		+	8	25257	31763
	-		209	75027		-		209	95412
69	.85008	57752	83350	79	.85091	19770	58341		
	+	8	27145	98772		+	8	25047	36351
	-		209	77066		-		209	97447

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

64^c	Sine.				64^c	Sine.			
80'	.85099	44817	94692		90'	.85181	83739	62973	
	+	8	24837	38904		+	8	22736	52581
	-		209	99482		-		210	19805
81	.85107	69655	33596		91	.85190	06476	15554	
	+	8	24627	39422		+	8	22526	32776
	-		210	01518		-		210	21836
82	.85115	94282	73018		92	.85198	29002	48330	
	+	8	24417	37904		+	8	22316	10940
	-		210	03550		-		210	23864
83	.85124	18700	10922		93	.85206	51318	59270	
	+	8	24207	34354		+	8	22105	87076
	-		210	05586		-		210	25893
84	.85132	42907	45276		94	.85214	73424	46346	
	+	8	23997	28768		+	8	21895	61183
	-		210	07617		-		210	27920
85	.85140	66904	74044		95	.85222	95320	07529	
	+	8	23787	21151		+	8	21685	33263
	-		210	09651		-		210	29949
86	.85148	90691	95195		96	.85231	17005	40792	
	+	8	23577	11500		+	8	21475	03314
	-		210	11683		-		210	31975
87	.85157	14269	06695		97	.85239	38480	44106	
	+	8	23366	99817		+	8	21264	71339
	-		210	13714		-		210	34002
88	.85165	37636	06512		98	.85247	59745	15445	
	+	8	23156	86103		+	8	21054	37337
	-		210	15745		-		210	36027
89	.85173	60792	92615		99	.85255	80799	52782	
	+	8	22946	70358		+	8	20844	01310
	-		210	17777		-		210	38053

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

65^c	Sine.			65^c	Sine.				
00'	.85264	01643	54092	10'	.85345	98509	40365		
	+	8	20633	63257		+	8	18528	71449
	-		210	40077		-		210	60296
01	.85272	22277	17349	11	.85354	17038	11814		
	+	8	20423	23180		+	8	18318	11153
	-		210	42102		-		210	62317
02	.85280	42700	40529	12	.85362	35356	22967		
	+	8	20212	81078		+	8	18107	48836
	-		210	44126		-		210	64336
03	.85288	62913	21607	13	.85370	53463	71803		
	+	8	20002	36952		+	8	17896	84500
	-		210	46149		-		210	66352
04	.85296	82915	58559	14	.85378	71360	56303		
	+	8	19791	90803		+	8	17686	18148
	-		210	48172		-		210	68371
05	.85305	02707	49362	15	.85386	89046	74451		
	+	8	19581	42631		+	8	17475	49777
	-		210	50193		-		210	70388
06	.85313	22288	91993	16	.85395	06522	24228		
	+	8	19370	92438		+	8	17264	79389
	-		210	52216		-		210	72404
07	.85321	41659	84431	17	.85403	23787	03617		
	+	8	19160	40222		+	8	17054	06985
	-		210	54237		-		210	74421
08	.85329	60820	24653	18	.85411	40841	10602		
	+	8	18949	85985		+	8	16843	32564
	-		210	56258		-		210	76435
09	.85337	79770	10638	19	.85419	57684	43166		
	+	8	18739	29727		+	8	16632	56129
	-		210	58278		-		210	78451

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

65^c	Sine.			65^c	Sine.				
20'	.85427	74316	99295	30'	.85509	29046	13584		
	+	8	16421	77678		+	8	14312	82463
	-		210	80465		-		211	00581
21	.85435	90738	76973	31	.85517	43358	96047		
	+	8	16210	97213		+	8	14101	81882
	-		210	82479		-		211	02590
22	.85444	06949	74186	32	.85525	57460	77929		
	+	8	16000	14734		+	8	13890	79292
	-		210	84492		-		211	04598
23	.85452	22949	88920	33	.85533	71351	57221		
	+	8	15789	30242		+	8	13679	74694
	-		210	86506		-		211	06605
24	.85460	38739	19162	34	.85541	85031	31915		
	+	8	15578	43736		+	8	13468	68089
	-		210	88518		-		211	08613
25	.85468	54317	62898	35	.85549	98500	00004		
	+	8	15367	55218		+	8	13257	59476
	-		210	90529		-		211	10619
26	.85476	69685	18116	36	.85558	11757	59480		
	+	8	15156	64689		+	8	13046	48857
	-		210	92541		-		211	12626
27	.85484	84841	82805	37	.85566	24804	08337		
	+	8	14945	72148		+	8	12835	36231
	-		210	94551		-		211	14630
28	.85492	99787	54953	38	.85574	37639	44568		
	+	8	14734	77597		+	8	12624	21601
	-		210	96563		-		211	16637
29	.85501	14522	32550	39	.85582	50263	66169		
	+	8	14523	81034		+	8	12413	04964
	-		210	98571		-		211	18640

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

65^c	Sine.			65^c	Sine.				
40'	.85590	62676	71133	50'	.85671	75188	65050		
	+	8	12201	86324		+	8	10088	89782
	-		211	20645		-		211	40657
41	.85598	74878	57457	51	.85679	85277	54832		
	+	8	11990	65679		+	8	09877	49125
	-		211	22648		-		211	42653
42	.85606	86869	23136	52	.85687	95155	03957		
	+	8	11779	43031		+	8	09666	06472
	-		211	24652		-		211	44654
43	.85614	98648	66167	53	.85696	04821	10429		
	+	8	11568	18379		+	8	09454	61818
	-		211	26652		-		211	46648
44	.85623	10216	84546	54	.85704	14275	72247		
	+	8	11356	91727		+	8	09243	15170
	-		211	28657		-		211	48647
45	.85631	21573	76273	55	.85712	23518	87417		
	+	8	11145	63070		+	8	09031	66523
	-		211	30656		-		211	50643
46	.85639	32719	39343	56	.85720	32550	53940		
	+	8	10934	32414		+	8	08820	15880
	-		211	32658		-		211	52638
47	.85647	43653	71757	57	.85728	41370	69820		
	+	8	10722	99756		+	8	08608	63242
	-		211	34659		-		211	54633
48	.85655	54376	71513	58	.85736	49979	33062		
	+	8	10511	65097		+	8	08397	08609
	-		211	36657		-		211	56628
49	.85663	64888	36610	59	.85744	58376	41671		
	+	8	10300	28440		+	8	08185	51981
	-		211	38658		-		211	58622

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

65^c	Sine.			65^c	Sine.		
60'	.85752	66561	93652	70'	.85833	36776	60475
	+	8 07973	93359		+	8 05856	97576
	-	211	60616		-	211	80523
61	.85760	74535	87011	71	.85841	42633	58051
	+	8 07762	32743		+	8 05645	17053
	-	211	62608		-	211	82510
62	.85768	82298	19754	72	.85849	48278	75104
	+	8 07550	70135		+	8 05433	34543
	-	211	64602		-	211	84499
63	.85776	89848	89889	73	.85857	53712	09647
	+	8 07339	05533		+	8 05221	50044
	-	211	66594		-	211	86484
64	.85784	97187	95422	74	.85865	58933	59691
	+	8 07127	38939		+	8 05009	63560
	-	211	68584		-	211	88472
65	.85793	04315	34361	75	.85873	63943	23251
	+	8 06915	70355		+	8 04797	75088
	-	211	70576		-	211	90457
66	.85801	11231	04716	76	.85881	68740	98339
	+	8 06703	99779		+	8 04585	84631
	-	211	72566		-	211	92442
67	.85809	17935	04495	77	.85889	73326	82970
	+	8 06492	27213		+	8 04373	92189
	-	211	74557		-	211	94427
68	.85817	24427	31708	78	.85897	77700	75159
	+	8 06280	52656		+	8 04161	97762
	-	211	76545		-	211	96411
69	.85825	30707	84364	79	.85905	81862	72921
	+	8 06068	76111		+	8 03950	01351
	-	211	78535		-	211	98394

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

65^c	Sine.			65^c	Sine.				
80'	.85913	85812	74272	90'	.85994	13650	49025		
	+	8	03738	02957		+	8	01617	10022
	-		212	00379		-		212	20180
81	.85921	89550	77229	91	.86002	15267	59047		
	+	8	03526	02578		+	8	01404	89842
	-		212	02360		-		212	22159
82	.85929	93076	79807	92	.86010	16672	48889		
	+	8	03314	00218		+	8	01192	67683
	-		212	04343		-		212	24134
83	.85937	96390	80025	93	.86018	17865	16572		
	+	8	03101	95875		+	8	00980	43549
	-		212	06324		-		212	26112
84	.85945	99492	75900	94	.86026	18845	60121		
	+	8	02889	89551		+	8	00768	17437
	-		212	08305		-		212	28086
85	.85954	02382	65451	95	.86034	19613	77558		
	+	8	02677	81246		+	8	00555	89351
	-		212	10286		-		212	30063
86	.85962	05060	46697	96	.86042	20169	66909		
	+	8	02465	70960		+	8	00343	59288
	-		212	12266		-		212	32036
87	.85970	07526	17657	97	.86050	20513	26197		
	+	8	02253	58694		+	8	00131	27252
	-		212	14245		-		212	34012
88	.85978	09779	76351	98	.86058	20644	53449		
	+	8	02041	44449		+	7	99918	93240
	-		212	16224		-		212	35985
89	.85986	11821	20800	99	.86066	20563	46689		
	+	8	01829	28225		+	7	99706	57255
	-		212	18203		-		212	37959

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

66^c	Sine.				66^c	Sine.			
00'	.86074	20270	03944		10'	.86154	05651	63474	
	+	7	99494	19296		+	7	97369	31305
	-		212	39930		-		212	59630
01	.86082	19764	23240		11	.86162	03020	94779	
	+	7	99281	79366		+	7	97156	71675
	-		212	41903		-		212	61595
02	.86090	19046	02606		12	.86170	00177	66454	
	+	7	99069	37463		+	7	96944	10080
	-		212	43875		-		212	63562
03	.86098	18115	40069		13	.86177	97121	76534	
	+	7	98856	93588		+	7	96731	46518
	-		212	45845		-		212	65528
04	.86106	16972	33657		14	.86185	93853	23052	
	+	7	98644	47743		+	7	96518	80990
	-		212	47817		-		212	67494
05	.86114	15616	81400		15	.86193	90372	04042	
	+	7	98431	99926		+	7	96306	13496
	-		212	49786		-		212	69457
06	.86122	14048	81326		16	.86201	86678	17538	
	+	7	98219	50140		+	7	96093	44039
	-		212	51756		-		212	71423
07	.86130	12268	31466		17	.86209	82771	61577	
	+	7	98006	98384		+	7	95880	72616
	-		212	53725		-		212	73386
08	.86138	10275	29850		18	.86217	78652	34193	
	+	7	97794	44659		+	7	95667	99230
	-		212	55694		-		212	75349
09	.86146	08069	74509		19	.86225	74320	33423	
	+	7	97581	88965		+	7	95455	23881
	-		212	57660		-		212	77312

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

66^c	Sine.			66^c	Sine.				
20'	.86233	69775	57304	30'	.86313	12622	20364		
	+	7	95242	46569		+	7	93113	65615
	-		212	79275		-		212	98867
21	.86241	65018	03873	31	.86321	05735	85979		
	+	7	95029	67294		+	7	92900	66748
	-		212	81235		-		213	00824
22	.86249	60047	71167	32	.86328	98636	52727		
	+	7	94816	86059		+	7	92687	65924
	-		212	83197		-		213	02779
23	.86257	54864	57226	33	.86336	91324	18651		
	+	7	94604	02862		+	7	92474	63145
	-		212	85158		-		213	04735
24	.86265	49468	60088	34	.86344	83798	81796		
	+	7	94391	17704		+	7	92261	58410
	-		212	87118		-		213	06689
25	.86273	43859	77792	35	.86352	76060	40206		
	+	7	94178	30586		+	7	92048	51721
	-		212	89077		-		213	08644
26	.86281	38038	08378	36	.86360	68108	91927		
	+	7	93965	41509		+	7	91835	43077
	-		212	91036		-		213	10598
27	.86289	32003	49887	37	.86368	59944	35004		
	+	7	93752	50473		+	7	91622	32479
	-		212	92995		-		213	12551
28	.86297	25756	00360	38	.86376	51566	67483		
	+	7	93539	57478		+	7	91409	19928
	-		212	94952		-		213	14504
29	.86305	19295	57838	39	.86384	42975	87411		
	+	7	93326	62526		+	7	91196	05424
	-		212	96911		-		213	16455

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

66^c	Sine.			66^c	Sine.				
40'	.86392	34171	92835	50'	.86471	34405	20155		
	+	7	90982	88969		+	7	88850	17155
	-		213	18408		-		213	37896
41	.86400	25154	81804	51	.86479	23255	37310		
	+	7	90769	70561		+	7	88636	79259
	-		213	20359		-		213	39840
42	.86408	15924	52365	52	.86487	11892	16569		
	+	7	90556	50202		+	7	88423	39419
	-		213	22309		-		213	41787
43	.86416	06481	02567	53	.86495	00315	55988		
	+	7	90343	27893		+	7	88209	97632
	-		213	24259		-		213	43732
44	.86423	96824	30460	54	.86502	88525	53620		
	+	7	90130	03634		+	7	87996	53900
	-		213	26209		-		213	45675
45	.86431	86954	34094	55	.86510	76522	07520		
	+	7	89916	77425		+	7	87783	08225
	-		213	28159		-		213	47620
46	.86439	76871	11519	56	.86518	64305	15745		
	+	7	89703	49266		+	7	87569	60605
	-		213	30105		-		213	49563
47	.86447	66574	60785	57	.86526	51874	76350		
	+	7	89490	19161		+	7	87356	11042
	-		213	32056		-		213	51504
48	.86455	56064	79946	58	.86534	39230	87392		
	+	7	89276	87105		+	7	87142	59538
	-		213	34001		-		213	53449
49	.86463	45341	67051	59	.86542	26373	46930		
	+	7	89063	53104		+	7	86929	06089
	-		213	35949		-		213	55389

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

66^c	Sine.				66^c	Sine.			
60'	.86550	13302	53019		70'	.86628	70844	47387	
	+	7	86715	50700		+	7	84578	90132
	-		213	57330		-		213	76714
61	.86558	00018	03719		71	.86636	55423	37519	
	+	7	86501	93370		+	7	84365	13418
	-		213	59271		-		213	78648
62	.86565	86519	97089		72	.86644	39788	50937	
	+	7	86288	34099		+	7	84151	34770
	-		213	61212		-		213	80583
63	.86573	72808	31188		73	.86652	23939	85707	
	+	7	86074	72887		+	7	83937	54187
	-		213	63150		-		213	82517
64	.86581	58883	04075		74	.86660	07877	39894	
	+	7	85861	09737		+	7	83723	71670
	-		213	65090		-		213	84451
65	.86589	44744	13812		75	.86667	91601	11564	
	+	7	85647	44647		+	7	83509	87219
	-		213	67028		-		213	86385
66	.86597	30391	58459		76	.86675	75110	98783	
	+	7	85433	77619		+	7	83296	00834
	-		213	68967		-		213	88316
67	.86605	15825	36078		77	.86683	58406	99617	
	+	7	85220	08652		+	7	83082	12518
	-		213	70903		-		213	90250
68	.86613	01045	44730		78	.86691	41489	12135	
	+	7	85006	37749		+	7	82868	22268
	-		213	72841		-		213	92181
69	.86620	86051	82479		79	.86699	24357	34403	
	+	7	84792	64908		+	7	82654	30087
	-		213	74776		-		213	94112

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

66^c	Sine.				66^c	Sine.			
80'	.86707	07011	64490		90'	.86785	21784	70831	
	+	7	82440	35975		+	7	80299	88760
	-		213	96042		-		214	15320
81	.86714	89452	00465		91	.86793	02084	59591	
	+	7	82226	39933		+	7	80085	73440
	-		213	97973		-		214	17244
82	.86722	71678	40398		92	.86800	82170	33031	
	+	7	82012	41960		+	7	79871	56196
	-		213	99902		-		214	19168
83	.86730	53690	82358		93	.86808	62041	89227	
	+	7	81798	42058		+	7	79657	37028
	-		214	01831		-		214	21092
84	.86738	35489	24416		94	.86816	41699	26255	
	+	7	81584	40227		+	7	79443	15936
	-		214	03760		-		214	23016
85	.86746	17073	64643		95	.86824	21142	42191	
	+	7	81370	36467		+	7	79228	92920
	-		214	05688		-		214	24938
86	.86753	98444	01110		96	.86832	00371	35111	
	+	7	81156	30779		+	7	79014	67982
	-		214	07614		-		214	26861
87	.86761	79600	31889		97	.86839	79386	03093	
	+	7	80942	23165		+	7	78800	41121
	-		214	09543		-		214	28781
88	.86769	60542	55054		98	.86847	58186	44214	
	+	7	80728	13622		+	7	78586	12340
	-		214	11467		-		214	30703
89	.86777	41270	68676		99	.86855	36772	56554	
	+	7	80514	02155		+	7	78371	81637
	-		214	13395		-		214	32623

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

67^c	Sine.				67^c	Sine.			
00'	.86863	15144	38191		10'	.86940	87071	43638	
	+	7	78157	49014		+	7	76013	17264
	-		214	34544		-		214	53714
01	.86870	93301	87205		11	.86948	63084	60902	
	+	7	77943	14470		+	7	75798	63550
	-		214	36464		-		214	55629
02	.86878	71245	01675		12	.86956	38883	24452	
	+	7	77728	78006		+	7	75584	07921
	-		214	38381		-		214	57543
03	.86886	48973	79681		13	.86964	14467	32373	
	+	7	77514	39625		+	7	75369	50378
	-		214	40300		-		214	59456
04	.86894	26488	19306		14	.86971	89836	82751	
	+	7	77299	99325		+	7	75154	90922
	-		214	42219		-		214	61368
05	.86902	03788	18631		15	.86979	64991	73673	
	+	7	77085	57106		+	7	74940	29554
	-		214	44136		-		214	63280
06	.86909	80873	75737		16	.86987	39932	03227	
	+	7	76871	12970		+	7	74725	66274
	-		214	46052		-		214	65193
07	.86917	57744	88707		17	.86995	14657	69501	
	+	7	76656	66918		+	7	74511	01081
	-		214	47969		-		214	67102
08	.86925	34401	55625		18	.87002	89168	70582	
	+	7	76442	18949		+	7	74296	33979
	-		214	49885		-		214	69014
09	.86933	10843	74574		19	.87010	63465	04561	
	+	7	76227	69064		+	7	74081	64965
	-		214	51800		-		214	70924

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

67^c	Sine.				67^c	Sine.			
20'	.87018	37546	69526		30'	.87095	66551	03501	
	+	7	73866	94041		+	7	71718	79875
	-		214	72832		-		214	91899
21	.87026	11413	63567		31	.87103	38269	83376	
	+	7	73652	21209		+	7	71503	87976
	-		214	74742		-		214	93801
22	.87033	85065	84776		32	.87111	09773	71352	
	+	7	73437	46467		+	7	71288	94175
	-		214	76651		-		214	95705
23	.87041	58503	31243		33	.87118	81062	65527	
	+	7	73222	69816		+	7	71073	98470
	-		214	78558		-		214	97607
24	.87049	31726	01059		34	.87126	52136	63997	
	+	7	73007	91258		+	7	70859	00863
	-		214	80464		-		214	99510
25	.87057	04733	92317		35	.87134	22995	64860	
	+	7	72793	10794		+	7	70644	01353
	-		214	82374		-		215	01411
26	.87064	77527	03111		36	.87141	93639	66213	
	+	7	72578	28420		+	7	70428	99942
	-		214	84277		-		215	03312
27	.87072	50105	31531		37	.87149	64068	66155	
	+	7	72363	44143		+	7	70213	96630
	-		214	86185		-		215	05212
28	.87080	22468	75674		38	.87157	34282	62785	
	+	7	72148	57958		+	7	69998	91418
	-		214	88089		-		215	07112
29	.87087	94617	33632		39	.87165	04281	54203	
	+	7	71933	69869		+	7	69783	84306
	-		214	89994		-		215	09012

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

67^c	Sine.			67^c	Sine.				
40'	.87172	74065	38509	50'	.87249	60070	72797		
	+	7	69568	75294		+	7	67416	80830
	-		215	10910		-		215	29869
41	.87180	43634	13803	51	.87257	27487	53627		
	+	7	69353	64384		+	7	67201	50961
	-		215	12809		-		215	31763
42	.87188	12987	78187	52	.87264	94689	04588		
	+	7	69138	51575		+	7	66986	19198
	-		215	14707		-		215	33655
43	.87195	82126	29762	53	.87272	61675	23786		
	+	7	68923	36868		+	7	66770	85543
	-		215	16603		-		215	35547
44	.87203	51049	66630	54	.87280	28446	09329		
	+	7	68708	20265		+	7	66555	49996
	-		215	18500		-		215	37439
45	.87211	19757	86895	55	.87287	95001	59325		
	+	7	68493	01765		+	7	66340	12557
	-		215	20398		-		215	39328
46	.87218	88250	88660	56	.87295	61341	71882		
	+	7	68277	81367		+	7	66124	73229
	-		215	22291		-		215	41220
47	.87226	56528	70027	57	.87303	27466	45111		
	+	7	68062	59076		+	7	65909	32009
	-		215	24188		-		215	43110
48	.87234	24591	29103	58	.87310	93375	77120		
	+	7	67847	34888		+	7	65693	88899
	-		215	26082		-		215	44998
49	.87241	92438	63991	59	.87318	59069	66019		
	+	7	67632	08806		+	7	65478	43901
	-		215	27976		-		215	46887

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

67^c	Sine.				67^c	Sine.			
60'	.87326	24548	09920		70'	.87402	67478	58744	
	+	7	65262	97014		+	7	63107	24376
	-		215	48776		-		215	67628
61	.87333	89811	06934		71	.87410	30585	83120	
	+	7	65047	48238		+	7	62891	56748
	-		215	50664		-		215	69511
62	.87341	54858	55172		72	.87417	93477	39868	
	+	7	64831	97574		+	7	62675	87237
	-		215	52549		-		215	71393
63	.87349	19690	52746		73	.87425	56153	27105	
	+	7	64616	45025		+	7	62460	15844
	-		215	54438		-		215	73274
64	.87356	84306	97771		74	.87433	18613	42949	
	+	7	64400	90587		+	7	62244	42570
	-		215	56323		-		215	75155
65	.87364	48707	88358		75	.87440	80857	85519	
	+	7	64185	34264		+	7	62028	67415
	-		215	58209		-		215	77034
66	.87372	12893	22622		76	.87448	42886	52934	
	+	7	63969	76055		+	7	61812	90381
	-		215	60093		-		215	78915
67	.87379	76862	98677		77	.87456	04699	43315	
	+	7	63754	15962		+	7	61597	11466
	-		215	61978		-		215	80794
68	.87387	40617	14639		78	.87463	66296	54781	
	+	7	63538	53984		+	7	61381	30672
	-		215	63863		-		215	82672
69	.87395	04155	68623		79	.87471	27677	85453	
	+	7	63322	90121		+	7	61165	48000
	-		215	65745		-		215	84551

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

67^c	Sine.			67^c	Sine.				
80'	.87478	88843	33453	90'	.87554	88623	53549		
	+	7	60949	63449		+	7	58790	14766
	-		215	86428		-		216	05175
81	.87486	49792	96902	91	.87562	47413	68315		
	+	7	60733	77021		+	7	58574	09591
	-		215	88305		-		216	07046
82	.87494	10526	73923	92	.87570	05987	77906		
	+	7	60517	88716		+	7	58358	02545
	-		215	90181		-		216	08917
83	.87501	71044	62639	93	.87577	64345	80451		
	+	7	60301	98535		+	7	58141	93628
	-		215	92058		-		216	10788
84	.87509	31346	61174	94	.87585	22487	74079		
	+	7	60086	06477		+	7	57925	82840
	-		215	93934		-		216	12658
85	.87516	91432	67651	95	.87592	80413	56919		
	+	7	59870	12543		+	7	57709	70182
	-		215	95807		-		216	14528
86	.87524	51302	80194	96	.87600	38123	27101		
	+	7	59654	16736		+	7	57493	55654
	-		215	97682		-		216	16397
87	.87532	10956	96930	97	.87607	95616	82755		
	+	7	59438	19054		+	7	57277	39257
	-		215	99557		-		216	18264
88	.87539	70395	15984	98	.87615	52894	22012		
	+	7	59222	19497		+	7	57061	20993
	-		216	01429		-		216	20134
89	.87547	29617	35481	99	.87623	09955	43005		
	+	7	59006	18068		+	7	56845	00859
	-		216	03302		-		216	22001

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

68^c	Sine.			68^c	Sine.				
00'	.87630	66800	43864	10'	.87706	23355	34556		
	+	7	56628	78858		+	7	54465	56260
	-		216	23867		-		216	42507
01	.87638	23429	22722	11	.87713	77820	90816		
	+	7	56412	54991		+	7	54249	13753
	-		216	25734		-		216	44368
02	.87645	79841	77713	12	.87721	32070	04569		
	+	7	56196	29257		+	7	54032	69385
	-		216	27600		-		216	46229
03	.87653	36038	06970	13	.87728	86102	73954		
	+	7	55980	01657		+	7	53816	23156
	-		216	29465		-		216	48088
04	.87660	92018	08627	14	.87736	39918	97110		
	+	7	55763	72192		+	7	53599	75068
	-		216	31329		-		216	49949
05	.87668	47781	80819	15	.87743	93518	72178		
	+	7	55547	40863		+	7	53383	25119
	-		216	33195		-		216	51807
06	.87676	03329	21682	16	.87751	46901	97297		
	+	7	55331	07668		+	7	53166	73312
	-		216	35058		-		216	53665
07	.87683	58660	29350	17	.87759	00068	70609		
	+	7	55114	72610		+	7	52950	19647
	-		216	36920		-		216	55524
08	.87691	13775	01960	18	.87766	53018	90256		
	+	7	54898	35690		+	7	52733	64123
	-		216	38784		-		216	57380
09	.87698	68673	37650	19	.87774	05752	54379		
	+	7	54681	96906		+	7	52517	06743
	-		216	40646		-		216	59238

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

68^c	Sine.			68^c	Sine.				
20'	.87781	58269	61122	30'	.87856	71524	64395		
	+	7	52300	47505		+	7	50133	53128
	-		216	61093		-		216	79626
21	.87789	10570	08627	31	.87864	21658	17523		
	+	7	52083	86412		+	7	49916	73502
	-		216	62949		-		216	81478
22	.87796	62653	95039	32	.87871	71574	91025		
	+	7	51867	23463		+	7	49699	92024
	-		216	64805		-		216	83325
23	.87804	14521	18502	33	.87879	21274	83049		
	+	7	51650	58658		+	7	49483	08699
	-		216	66659		-		216	85177
24	.87811	66171	77160	34	.87886	70757	91748		
	+	7	51433	91999		+	7	49266	23522
	-		216	68513		-		216	87024
25	.87819	17605	69159	35	.87894	20024	15270		
	+	7	51217	23486		+	7	49049	36498
	-		216	70366		-		216	88874
26	.87826	68822	92645	36	.87901	69073	51768		
	+	7	51000	53120		+	7	48832	47624
	-		216	72221		-		216	90719
27	.87834	19823	45765	37	.87909	17905	99392		
	+	7	50783	80899		+	7	48615	56905
	-		216	74071		-		216	92568
28	.87841	70607	26664	38	.87916	66521	56297		
	+	7	50567	06828		+	7	48398	64337
	-		216	75925		-		216	94415
29	.87849	21174	33492	39	.87924	14920	20634		
	+	7	50350	30903		+	7	48181	69922
	-		216	77775		-		216	96259

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

68^c	Sine.			68^c	Sine.				
40'	.87931	63101	90556	50'	.88006	32982	91132		
	+	7	47964	73663		+	7	45794	09644
	-		216	98107		-		217	16532
41	.87939	11066	64219	51	.88013	78777	00776		
	+	7	47747	75556		+	7	45576	93112
	-		216	99950		-		217	18371
42	.87946	58814	39775	52	.88021	24353	93888		
	+	7	47530	75606		+	7	45359	74741
	-		217	01796		-		217	20210
43	.87954	06345	15381	53	.88028	69713	68629		
	+	7	47313	73810		+	7	45142	54531
	-		217	03638		-		217	22050
44	.87961	53658	89191	54	.88036	14856	23160		
	+	7	47096	70172		+	7	44925	32481
	-		217	05484		-		217	23886
45	.87969	00755	59363	55	.88043	59781	55641		
	+	7	46879	64688		+	7	44708	08595
	-		217	07324		-		217	25725
46	.87976	47635	24051	56	.88051	04489	64236		
	+	7	46662	57364		+	7	44490	82870
	-		217	09169		-		217	27561
47	.87983	94297	81415	57	.88058	48980	47106		
	+	7	46445	48195		+	7	44273	55309
	-		217	11008		-		217	29398
48	.87991	40743	29610	58	.88065	93254	02415		
	+	7	46228	37187		+	7	44056	25911
	-		217	12852		-		217	31233
49	.87998	86971	66797	59	.88073	37310	28326		
	+	7	46011	24335		+	7	43838	94678
	-		217	14691		-		217	33070

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

68^c	Sine.			68^c	Sine.				
60'	.88080	81149	23004	70'	.88155	07582	48410		
	+	7	43621	61608		+	7	41447	30092
	-		217	34904		-		217	53224
61	.88088	24770	84612	71	.88162	49029	78502		
	+	7	43404	26704		+	7	41229	76868
	-		217	36738		-		217	55050
62	.88095	68175	11316	72	.88169	90259	55370		
	+	7	43186	89966		+	7	41012	21818
	-		217	38571		-		217	56881
63	.88103	11362	01282	73	.88177	31271	77188		
	+	7	42969	51395		+	7	40794	64937
	-		217	40406		-		217	58707
64	.88110	54331	52677	74	.88184	72066	42125		
	+	7	42752	10989		+	7	40577	06230
	-		217	42238		-		217	60535
65	.88117	97083	63666	75	.88192	12643	48355		
	+	7	42534	68751		+	7	40359	45695
	-		217	44069		-		217	62362
66	.88125	39618	32417	76	.88199	53002	94050		
	+	7	42317	24682		+	7	40141	83333
	-		217	45902		-		217	64187
67	.88132	81935	57099	77	.88206	93144	77383		
	+	7	42099	78780		+	7	39924	19146
	-		217	47733		-		217	66015
68	.88140	24035	35879	78	.88214	33068	96529		
	+	7	41882	31047		+	7	39706	53131
	-		217	49563		-		217	67838
69	.88147	65917	66926	79	.88221	72775	49660		
	+	7	41664	81484		+	7	39488	85293
	-		217	51392		-		217	69663

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

68^c	Sine.				68^c	Sine.			
80'	.88229	12264	34953		90'	.88302	95176	55601	
	+	7	39271	15630		+	7	37093	18760
	-		217	71488		-		217	89698
81	.88236	51535	50583		91	.88310	32269	74361	
	+	7	39053	44142		+	7	36875	29062
	-		217	73311		-		217	91518
82	.88243	90588	94725		92	.88317	69145	03423	
	+	7	38835	70831		+	7	36657	37544
	-		217	75134		-		217	93334
83	.88251	29424	65556		93	.88325	05802	40967	
	+	7	38617	95697		+	7	36439	44210
	-		217	76956		-		217	95152
84	.88258	68042	61253		94	.88332	42241	85177	
	+	7	38400	18741		+	7	36221	49058
	-		217	78779		-		217	96967
85	.88266	06442	79994		95	.88339	78463	34235	
	+	7	38182	39962		+	7	36003	52091
	-		217	80600		-		217	98785
86	.88273	44625	19956		96	.88347	14466	86326	
	+	7	37964	59362		+	7	35785	53306
	-		217	82420		-		218	00600
87	.88280	82589	79318		97	.88354	50252	39632	
	+	7	37746	76942		+	7	35567	52706
	-		217	84241		-		218	02414
88	.88288	20336	56260		98	.88361	85819	92338	
	+	7	37528	92701		+	7	35349	50292
	-		217	86061		-		218	04229
89	.88295	57865	48961		99	.88369	21169	42630	
	+	7	37311	06640		+	7	35131	46063
	-		217	87880		-		218	06042

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

69 ^c	Sine.			69 ^c	Sine.				
00'	.88376	56300	88693	10'	.88449	95619	17946		
	+	7	34913	40021		+	7	32731	79948
	-		218	07857		-		218	25960
01	.88383	91214	28714	11	.88457	28350	97894		
	+	7	34695	32164		+	7	32513	53988
	-		218	09669		-		218	27768
02	.88391	25909	60878	12	.88464	60864	51882		
	+	7	34477	22495		+	7	32295	26220
	-		218	11482		-		218	29573
03	.88398	60386	83373	13	.88471	93159	78102		
	+	7	34259	11013		+	7	32076	96647
	-		218	13292		-		218	31381
04	.88405	94645	94386	14	.88479	25236	74749		
	+	7	34040	97721		+	7	31858	65266
	-		218	15104		-		218	33186
05	.88413	28686	92107	15	.88486	57095	40015		
	+	7	33822	82617		+	7	31640	32080
	-		218	16915		-		218	34992
06	.88420	62509	74724	16	.88493	88735	72095		
	+	7	33604	65702		+	7	31421	97088
	-		218	18724		-		218	36796
07	.88427	96114	40426	17	.88501	20157	69183		
	+	7	33386	46978		+	7	31203	60292
	-		218	20535		-		218	38600
08	.88435	29500	87404	18	.88508	51361	29475		
	+	7	33168	26443		+	7	30985	21692
	-		218	22344		-		218	40404
09	.88442	62669	13847	19	.88515	82346	51167		
	+	7	32950	04099		+	7	30766	81288
	-		218	24151		-		218	42207

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

69°	Sine.			69°	Sine.				
20'	.88523	13113	32455	30'	.88596	08765	26702		
	+	7	30548	39081		+	7	28363	17958
	-		218	44010		-		218	62005
21	.88530	43661	71536	31	.88603	37128	44660		
	+	7	30329	95071		+	7	28144	55953
	-		218	45811		-		218	63802
22	.88537	73991	66607	32	.88610	65273	00613		
	+	7	30111	49260		+	7	27925	92151
	-		218	47614		-		218	65598
23	.88545	04103	15867	33	.88617	93198	92764		
	+	7	29893	01646		+	7	27707	26553
	-		218	49413		-		218	67394
24	.88552	33996	17513	34	.88625	20906	19317		
	+	7	29674	52233		+	7	27488	59159
	-		218	51215		-		218	69189
25	.88559	63670	69746	35	.88632	48394	78476		
	+	7	29456	01018		+	7	27269	89970
	-		218	53015		-		218	70984
26	.88566	93126	70764	36	.88639	75664	68446		
	+	7	29237	48003		+	7	27051	18986
	-		218	54813		-		218	72776
27	.88574	22364	18767	37	.88647	02715	87432		
	+	7	29018	93190		+	7	26832	46210
	-		218	56612		-		218	74571
28	.88581	51383	11957	38	.88654	29548	33642		
	+	7	28800	36578		+	7	26613	71639
	-		218	58411		-		218	76364
29	.88588	80183	48535	39	.88661	56162	05281		
	+	7	28581	78167		+	7	26394	95275
	-		218	60209		-		218	78155

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

69°	Sine.			69°	Sine.				
40'	.88668	82557	00556	50'	.88741	34470	59283		
	+	7	26176	17120		+	7	23987	37105
	-		218	79947		-		218	97837
41	.88676	08733	17676	51	.88748	58457	96388		
	+	7	25957	37173		+	7	23768	39268
	-		218	81740		-		218	99620
42	.88683	34690	54849	52	.88755	82226	35656		
	+	7	25738	55433		+	7	23549	39648
	-		218	83529		-		219	01407
43	.88690	60429	10282	53	.88763	05775	75304		
	+	7	25519	71904		+	7	23330	38241
	-		218	85319		-		219	03191
44	.88697	85948	82186	54	.88770	29106	13545		
	+	7	25300	86585		+	7	23111	35050
	-		218	87110		-		219	04976
45	.88705	11249	68771	55	.88777	52217	48595		
	+	7	25081	99475		+	7	22892	30074
	-		218	88897		-		219	06759
46	.88712	36331	68246	56	.88784	75109	78669		
	+	7	24863	10578		+	7	22673	23315
	-		218	90688		-		219	08543
47	.88719	61194	78824	57	.88791	97783	01984		
	+	7	24644	19890		+	7	22454	14772
	-		218	92474		-		219	10324
48	.88726	85838	98714	58	.88799	20237	16756		
	+	7	24425	27416		+	7	22235	04448
	-		218	94263		-		219	12107
49	.88734	10264	26130	59	.88806	42472	21204		
	+	7	24206	33153		+	7	22015	92341
	-		218	96048		-		219	13889

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

69 ^c	Sine.				69 ^c	Sine.			
60'	.88813	64488	13545		70'	.88885	72591	79405	
+ 7	21796	78452			+ 7	19604	41704		
-	219	15669			-	219	33449		
61	.88820	86284	91997		71	.88892	92196	21109	
+ 7	21577	62783			+ 7	19385	08255		
-	219	17451			-	219	35225		
62	.88828	07862	54780		72	.88900	11581	29364	
+ 7	21358	45332			+ 7	19165	73030		
-	219	19228			-	219	36998		
63	.88835	29221	00112		73	.88907	30747	02394	
+ 7	21139	26104			+ 7	18946	36032		
-	219	21010			-	219	38774		
64	.88842	50360	26216		74	.88914	49693	38426	
+ 7	20920	05094			+ 7	18726	97258		
-	219	22788			-	219	40545		
65	.88849	71280	31310		75	.88921	68420	35684	
+ 7	20700	82306			+ 7	18507	56713		
-	219	24566			-	219	42319		
66	.88856	91981	13616		76	.88928	86927	92397	
+ 7	20481	57740			+ 7	18288	14394		
-	219	26343			-	219	44092		
67	.88864	12462	71356		77	.88936	05216	06791	
+ 7	20262	31397			+ 7	18068	70302		
-	219	28122			-	219	45862		
68	.88871	32725	02753		78	.88943	23284	77093	
+ 7	20043	03275			+ 7	17849	24440		
-	219	29898			-	219	47635		
69	.88878	52768	06028		79	.88950	41134	01533	
+ 7	19823	73377			+ 7	17629	76805		
-	219	31673			-	219	49405		

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

69 ^c	Sine.			69 ^c	Sine.				
80'	.88957	58763	78338	90'	.89029	22986	37226		
	+	7	17410	27400		+	7	15214	36083
	-		219	51174		-		219	68847
81	.88964	76174	05738	91	.89036	38200	73309		
	+	7	17190	76226		+	7	14994	67236
	-		219	52946		-		219	70611
82	.88971	93364	81964	92	.89043	53195	40545		
	+	7	16971	23280		+	7	14774	96625
	-		219	54713		-		219	72374
83	.88979	10336	05244	93	.89050	67970	37170		
	+	7	16751	68567		+	7	14555	24251
	-		219	56482		-		219	74137
84	.88986	27087	73811	94	.89057	82525	61421		
	+	7	16532	12085		+	7	14335	50114
	-		219	58251		-		219	75901
85	.88993	43619	85896	95	.89064	96861	11535		
	+	7	16312	53834		+	7	14115	74213
	-		219	60017		-		219	77662
86	.89000	59932	39730	96	.89072	10976	85748		
	+	7	16092	93817		+	7	13895	96551
	-		219	61785		-		219	79423
87	.89007	76025	33547	97	.89079	24872	82299		
	+	7	15873	32032		+	7	13676	17128
	-		219	63550		-		219	81185
88	.89014	91898	65579	98	.89086	38548	99427		
	+	7	15653	68482		+	7	13456	35943
	-		219	65317		-		219	82945
89	.89022	07552	34061	99	.89093	52005	35370		
	+	7	15434	03165		+	7	13236	52998
	-		219	67082		-		219	84705

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

70^c	Sine.			70^c	Sine.				
00'	.89100	65241	88368	10'	.89171	85512	69484		
	+	7	13016	68293		+	7	10817	24574
	-		219	86463		-		220	04027
01	.89107	78258	56661	11	.89178	96329	94058		
	+	7	12796	81830		+	7	10597	20547
	-		219	88224		-		220	05780
02	.89114	91055	38491	12	.89186	06927	14605		
	+	7	12576	93606		+	7	10377	14767
	-		219	89980		-		220	07534
03	.89122	03632	32097	13	.89193	17304	29372		
	+	7	12357	03626		+	7	10157	07233
	-		219	91739		-		220	09285
04	.89129	15989	35723	14	.89200	27461	36605		
	+	7	12137	11887		+	7	09936	97948
	-		219	93496		-		220	11038
05	.89136	28126	47610	15	.89207	37398	34553		
	+	7	11917	18391		+	7	09716	86910
	-		219	95252		-		220	12788
06	.89143	40043	66001	16	.89214	47115	21463		
	+	7	11697	23139		+	7	09496	74122
	-		219	97009		-		220	14539
07	.89150	51740	89140	17	.89221	56611	95585		
	+	7	11477	26130		+	7	09276	59583
	-		219	98764		-		220	16289
08	.89157	63218	15270	18	.89228	65888	55168		
	+	7	11257	27366		+	7	09056	43294
	-		220	00518		-		220	18038
09	.89164	74475	42636	19	.89235	74944	98462		
	+	7	11037	26848		+	7	08836	25256
	-		220	02274		-		220	19788

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

70^c	Sine.			70^c	Sine.				
20'	.89242	83781	23718	30'	.89313	60029	99643		
	+	7	08616	05468		+	7	06413	11517
	-		220	21536		-		220	38990
21	.89249	92397	29186	31	.89320	66443	11160		
	+	7	08395	83932		+	7	06192	72527
	-		220	23284		-		220	40733
22	.89257	00793	13118	32	.89327	72635	83687		
	+	7	08175	60648		+	7	05972	31794
	-		220	25032		-		220	42475
23	.89264	08968	73766	33	.89334	78608	15481		
	+	7	07955	35616		+	7	05751	89319
	-		220	26777		-		220	44216
24	.89271	16924	09382	34	.89341	84360	04800		
	+	7	07735	08839		+	7	05531	45103
	-		220	28525		-		220	45957
25	.89278	24659	18221	35	.89348	89891	49903		
	+	7	07514	80314		+	7	05310	99146
	-		220	30270		-		220	47697
26	.89285	32173	98535	36	.89355	95202	49049		
	+	7	07294	50044		+	7	05090	51449
	-		220	32015		-		220	49438
27	.89292	39468	48579	37	.89363	00293	00498		
	+	7	07074	18029		+	7	04870	02011
	-		220	33760		-		220	51176
28	.89299	46542	66608	38	.89370	05163	02509		
	+	7	06853	84269		+	7	04649	50835
	-		220	35503		-		220	52915
29	.89306	53396	50877	39	.89377	09812	53344		
	+	7	06633	48766		+	7	04428	97920
	-		220	37249		-		220	54653

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

70^c	Sine.			70^c	Sine.				
40'	.89384	14241	51264	50'	.89454	46398	38025		
	+	7	04208	43267		+	7	02002	01260
	-		220	56391		-		220	73737
41	.89391	18449	94531	51	.89461	48400	39285		
	+	7	03987	86876		+	7	01781	27523
	-		220	58128		-		220	75467
42	.89398	22437	81407	52	.89468	50181	66808		
	+	7	03767	28748		+	7	01560	52056
	-		220	59863		-		220	77200
43	.89405	26205	10155	53	.89475	51742	18864		
	+	7	03546	68885		+	7	01339	74856
	-		220	61601		-		220	78929
44	.89412	29751	79040	54	.89482	53081	93720		
	+	7	03326	07284		+	7	01118	95927
	-		220	63335		-		220	80659
45	.89419	33077	86324	55	.89489	54200	89647		
	+	7	03105	43949		+	7	00898	15268
	-		220	65070		-		220	82389
46	.89426	36183	30273	56	.89496	55099	04915		
	+	7	02884	78879		+	7	00677	32879
	-		220	66805		-		220	84118
47	.89433	39068	09152	57	.89503	55776	37794		
	+	7	02664	12074		+	7	00456	48761
	-		220	68539		-		220	85846
48	.89440	41732	21226	58	.89510	56232	86555		
	+	7	02443	43535		+	7	00235	62915
	-		220	70271		-		220	87573
49	.89447	44175	64761	59	.89517	56468	49470		
	+	7	02222	73264		+	7	00014	75342
	-		220	72004		-		220	89302

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

70^c	Sine.			70^c	Sine.		
60'	.89524	56483	24812	70'	.89594	44478	81955
+ 6	99793	86040		+ 6	97583	98154	
- 220	91027			- 221	08264		
61	.89531	56277	10852	71	.89601	42062	80109
+ 6	99572	95013		+ 6	97362	89890	
- 220	92753			- 221	09985		
62	.89538	55850	05865	72	.89608	39425	69999
+ 6	99352	02260		+ 6	97141	79905	
- 220	94481			- 221	11705		
63	.89545	55202	08125	73	.89615	36567	49904
+ 6	99131	07779		+ 6	96920	68200	
- 220	96203			- 221	13425		
64	.89552	54333	15904	74	.89622	33488	18104
+ 6	98910	11576		+ 6	96699	54775	
- 220	97929			- 221	15144		
65	.89559	53243	27480	75	.89629	30187	72879
+ 6	98689	13647		+ 6	96478	39631	
- 220	99653			- 221	16862		
66	.89566	51932	41127	76	.89636	26666	12510
+ 6	98468	13994		+ 6	96257	22769	
- 221	01376			- 221	18580		
67	.89573	50400	55121	77	.89643	22923	35279
+ 6	98247	12618		+ 6	96036	04189	
- 221	03100			- 221	20298		
68	.89580	48647	67739	78	.89650	18959	39468
+ 6	98026	09518		+ 6	95814	83891	
- 221	04820			- 221	22014		
69	.89587	46673	77257	79	.89657	14774	23359
+ 6	97805	04698		+ 6	95593	61877	
- 221	06544			- 221	23731		

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

70^c	Sine.				70^c	Sine.			
80'	.89664	10367	85236		90'	.89733	54133	15891	
	+	6	95372	38146		+	6	93159	06562
	-		221	25447		-		221	42575
81	.89671	05740	23382		91	.89740	47292	22453	
	+	6	95151	12699		+	6	92937	63987
	-		221	27161		-		221	44283
82	.89678	00891	36081		92	.89747	40229	86440	
	+	6	94929	85538		+	6	92716	19704
	-		221	28877		-		221	45994
83	.89684	95821	21619		93	.89754	32946	06144	
	+	6	94708	56661		+	6	92494	73710
	-		221	30590		-		221	47701
84	.89691	90529	78280		94	.89761	25440	79854	
	+	6	94487	26071		+	6	92273	26009
	-		221	32304		-		221	49410
85	.89698	85017	04351		95	.89768	17714	05863	
	+	6	94265	93767		+	6	92051	76599
	-		221	34017		-		221	51118
86	.89705	79282	98118		96	.89775	09765	82462	
	+	6	94044	59750		+	6	91830	25481
	-		221	35731		-		221	52824
87	.89712	73327	57868		97	.89782	01596	07943	
	+	6	93823	24019		+	6	91608	72657
	-		221	37440		-		221	54531
88	.89719	67150	81887		98	.89788	93204	80600	
	+	6	93601	86579		+	6	91387	18126
	-		221	39154		-		221	56236
89	.89726	60752	68466		99	.89795	84591	98726	
	+	6	93380	47425		+	6	91165	61890
	-		221	40863		-		221	57943

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

71^c	Sine.				71^c	Sine.			
00'	.89802	75757	60616		10'	.89871	75224	11567	
	+	6	90944	03947		+	6	88727	30849
	-		221	59647		-		221	76666
01	.89809	66701	64563		11	.89878	63951	42416	
	+	6	90722	44300		+	6	88505	54183
	-		221	61352		-		221	78363
02	.89816	57424	08863		12	.89885	52456	96599	
	+	6	90500	82948		+	6	88283	75820
	-		221	63055		-		221	80063
03	.89823	47924	91811		13	.89892	40740	72419	
	+	6	90279	19893		+	6	88061	95757
	-		221	64757		-		221	81761
04	.89830	38204	11704		14	.89899	28802	68176	
	+	6	90057	55136		+	6	87840	13996
	-		221	66462		-		221	83456
05	.89837	28261	66840		15	.89906	16642	82172	
	+	6	89835	88674		+	6	87618	30540
	-		221	68163		-		221	85155
06	.89844	18097	55514		16	.89913	04261	12712	
	+	6	89614	20511		+	6	87396	45385
	-		221	69865		-		221	86850
07	.89851	07711	76025		17	.89919	91657	58097	
	+	6	89392	50646		+	6	87174	58535
	-		221	71565		-		221	88545
08	.89857	97104	26671		18	.89926	78832	16632	
	+	6	89170	79081		+	6	86952	69990
	-		221	73266		-		221	90241
09	.89864	86275	05752		19	.89933	65784	86622	
	+	6	88949	05815		+	6	86730	79749
	-		221	74966		-		221	91935

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

71^c	Sine.			71^c	Sine.				
20'	.89940	52515	66371	30'	.90009	07615	28124		
	+	6	86508	87814		+	6	84288	75390
	-		221	93629		-		222	10538
21	.89947	39024	54185	31	.90015	91904	03514		
	+	6	86286	94185		+	6	84066	64852
	-		221	95322		-		222	12225
22	.89954	25311	48370	32	.90022	75970	68366		
	+	6	86064	98863		+	6	83844	52627
	-		221	97015		-		222	13913
23	.89961	11376	47233	33	.90029	59815	20993		
	+	6	85843	01848		+	6	83622	38714
	-		221	98708		-		222	15600
24	.89967	97219	49081	34	.90036	43437	59707		
	+	6	85621	03140		+	6	83400	23114
	-		222	00398		-		222	17286
25	.89974	82840	52221	35	.90043	26837	82821		
	+	6	85399	02742		+	6	83178	05828
	-		222	02091		-		222	18971
26	.89981	68239	54963	36	.90050	10015	88649		
	+	6	85177	00651		+	6	82955	86857
	-		222	03780		-		222	20657
27	.89988	53416	55614	37	.90056	92971	75506		
	+	6	84954	96871		+	6	82733	66200
	-		222	05471		-		222	22341
28	.89995	38371	52485	38	.90063	75705	41706		
	+	6	84732	91400		+	6	82511	43859
	-		222	07161		-		222	24026
29	.90002	23104	43885	39	.90070	58216	85565		
	+	6	84510	84239		+	6	82289	19833
	-		222	08849		-		222	25708

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

71^c	Sine.			71^c	Sine.				
40'	.90077	40506	05398	50'	.90145	51171	12246		
	+	6	82066	94125		+	6	79843	44566
	-		222	27392		-		222	44191
41	.90084	22572	99523	51	.90152	31014	56812		
	+	6	81844	66733		+	6	79621	00375
	-		222	29075		-		222	45868
42	.90091	04417	66256	52	.90159	10635	57187		
	+	6	81622	37658		+	6	79398	54507
	-		222	30755		-		222	47544
43	.90097	86040	03914	53	.90165	90034	11694		
	+	6	81400	06903		+	6	79176	06963
	-		222	32437		-		222	49220
44	.90104	67440	10817	54	.90172	69210	18657		
	+	6	81177	74466		+	6	78953	57743
	-		222	34119		-		222	50895
45	.90111	48617	85283	55	.90179	48163	76400		
	+	6	80955	40347		+	6	78731	06848
	-		222	35797		-		222	52570
46	.90118	29573	25630	56	.90186	26894	83248		
	+	6	80733	04550		+	6	78508	54278
	-		222	37478		-		222	54243
47	.90125	10306	30180	57	.90193	05403	37526		
	+	6	80510	67072		+	6	78286	00035
	-		222	39158		-		222	55919
48	.90131	90816	97252	58	.90199	83689	37561		
	+	6	80288	27914		+	6	78063	44116
	-		222	40834		-		222	57590
49	.90138	71105	25166	59	.90206	61752	81677		
	+	6	80065	87080		+	6	77840	86526
	-		222	42514		-		222	59264

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

71^c	Sine.			71^c	Sine.				
60'	.90213	39593	68203	70'	.90281	05756	98294		
	+	6	77618	27262		+	6	75391	42763
	-		222	60934		-	222	77623	
61	.90220	17211	95465	71	.90287	81148	41057		
	+	6	77395	66328		+	6	75168	65140
	-		222	62607		-	222	79291	
62	.90226	94607	61793	72	.90294	56317	06197		
	+	6	77173	03721		+	6	74945	85849
	-		222	64278		-	222	80956	
63	.90233	71780	65514	73	.90301	31262	92046		
	+	6	76950	39443		+	6	74723	04893
	-		222	65947		-	222	82621	
64	.90240	48731	04957	74	.90308	05985	96939		
	+	6	76727	73496		+	6	74500	22272
	-		222	67618		-	222	84284	
65	.90247	25458	78453	75	.90314	80486	19211		
	+	6	76505	05878		+	6	74277	37988
	-		222	69286		-	222	85949	
66	.90254	01963	84331	76	.90321	54763	57199		
	+	6	76282	36592		+	6	74054	52039
	-		222	70956		-	222	87612	
67	.90260	78246	20923	77	.90328	28818	09238		
	+	6	76059	65636		+	6	73831	64427
	-		222	72623		-	222	89274	
68	.90267	54305	86559	78	.90335	02649	73665		
	+	6	75836	93013		+	6	73608	75153
	-		222	74291		-	222	90936	
69	.90274	30142	79572	79	.90341	76258	48818		
	+	6	75614	18722		+	6	73385	84217
	-		222	75959		-	222	92598	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

71^c	Sine.				71^c	Sine.			
80'	.90348	49644	33035		90'	.90415	71239	08439	
	+	6	73162	91619		+	6	70932	74377
	-		222	94260		-		223	10837
81	.90355	22807	24654		91	.90422	42171	82816	
	+	6	72939	97359		+	6	70709	63540
	-		222	95918		-		223	12494
82	.90361	95747	22013		92	.90429	12881	46356	
	+	6	72717	01441		+	6	70486	51046
	-		222	97580		-		223	14148
83	.90368	68464	23454		93	.90435	83367	97402	
	+	6	72494	03861		+	6	70263	36898
	-		222	99238		-		223	15800
84	.90375	40958	27315		94	.90442	53631	34300	
	+	6	72271	04623		+	6	70040	21098
	-		223	00897		-		223	17456
85	.90382	13229	31938		95	.90449	23671	55398	
	+	6	72048	03726		+	6	69817	03642
	-		223	02556		-		223	19106
86	.90388	85277	35664		96	.90455	93488	59040	
	+	6	71825	01170		+	6	69593	84536
	-		223	04212		-		223	20760
87	.90395	57102	36834		97	.90462	63082	43576	
	+	6	71601	96958		+	6	69370	63776
	-		223	05871		-		223	22411
88	.90402	28704	33792		98	.90469	32453	07352	
	+	6	71378	91087		+	6	69147	41365
	-		223	07527		-		223	24062
89	.90409	00083	24879		99	.90476	01600	48717	
	+	6	71155	83560		+	6	68924	17303
	-		223	09183		-		223	25713

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

72^c	Sine.			72^c	Sine.				
00'	.90482	70524	66020	10'	.90549	47484	52794		
	+	6	68700	91590		+	6	66467	43808
	-		223	27363		-		223	43832
01	.90489	39225	57610	11	.90556	13951	96602		
	+	6	68477	64227		+	6	66243	99976
	-		223	29011		-		223	45476
02	.90496	07703	21837	12	.90562	80195	96578		
	+	6	68254	35216		+	6	66020	54500
	-		223	30661		-		223	47119
03	.90502	75957	57053	13	.90569	46216	51078		
	+	6	68031	04555		+	6	65797	07381
	-		223	32309		-		223	48761
04	.90509	43988	61608	14	.90576	12013	58459		
	+	6	67807	72246		+	6	65573	58620
	-		223	33957		-		223	50405
05	.90516	11796	33854	15	.90582	77587	17079		
	+	6	67584	38289		+	6	65350	08215
	-		223	35604		-		223	52045
06	.90522	79380	72143	16	.90589	42937	25294		
	+	6	67361	02685		+	6	65126	56170
	-		223	37251		-		223	53687
07	.90529	46741	74828	17	.90596	08063	81464		
	+	6	67137	65434		+	6	64903	02483
	-		223	38897		-		223	55328
08	.90536	13879	40262	18	.90602	72966	83947		
	+	6	66914	26537		+	6	64679	47155
	-		223	40542		-		223	56967
09	.90542	80793	66799	19	.90609	37646	31102		
	+	6	66690	85995		+	6	64455	90188
	-		223	42187		-		223	58607

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

72^c	Sine.			72^c	Sine.				
20'	.90616	02102	21290	30'	.90682	34361	29545		
	+	6	64232	31581		+	6	61995	55462
	-		223	60246		-		223	76606
21	.90622	66334	52871	31	.90688	96356	85007		
	+	6	64008	71335		+	6	61771	78856
	-		223	61884		-		223	78237
22	.90629	30343	24206	32	.90695	58128	63863		
	+	6	63785	09451		+	6	61548	00619
	-		223	63523		-		223	79870
23	.90635	94128	33657	33	.90702	19676	64482		
	+	6	63561	45928		+	6	61324	20749
	-		223	65158		-		223	81501
24	.90642	57689	79585	34	.90708	81000	85231		
	+	6	63337	80770		+	6	61100	39248
	-		223	66797		-		223	83134
25	.90649	21027	60355	35	.90715	42101	24479		
	+	6	63114	13973		+	6	60876	56114
	-		223	68432		-		223	84763
26	.90655	84141	74328	36	.90722	02977	80593		
	+	6	62890	45541		+	6	60652	71351
	-		223	70068		-		223	86394
27	.90662	47032	19869	37	.90728	63630	51944		
	+	6	62666	75473		+	6	60428	84957
	-		223	71702		-		223	88023
28	.90669	09698	95342	38	.90735	24059	36901		
	+	6	62443	03771		+	6	60204	96934
	-		223	73339		-		223	89652
29	.90675	72141	99113	39	.90741	84264	33835		
	+	6	62219	30432		+	6	59981	07282
	-		223	74970		-		223	91281

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

72^c	Sine.			72^c	Sine.				
40'	.90748	44245	41117	50'	.90814	31738	25081		
	+	6	59757	16001		+	6	57517	13753
	-		223	92908		-		224	09158
41	.90755	04002	57118	51	.90820	89255	38834		
	+	6	59533	23093		+	6	57293	04595
	-		223	94537		-		224	10778
42	.90761	63535	80211	52	.90827	46548	43429		
	+	6	59309	28556		+	6	57068	93817
	-		223	96161		-		224	12401
43	.90768	22845	08767	53	.90834	03617	37246		
	+	6	59085	32395		+	6	56844	81416
	-		223	97790		-		224	14020
44	.90774	81930	41162	54	.90840	60462	18662		
	+	6	58861	34605		+	6	56620	67396
	-		223	99414		-		224	15641
45	.90781	40791	75767	55	.90847	17082	86058		
	+	6	58637	35191		+	6	56396	51755
	-		224	01040		-		224	17261
46	.90787	99429	10958	56	.90853	73479	37813		
	+	6	58413	34151		+	6	56172	34494
	-		224	02664		-		224	18879
47	.90794	57842	45109	57	.90860	29651	72307		
	+	6	58189	31487		+	6	55948	15615
	-		224	04289		-		224	20498
48	.90801	16031	76596	58	.90866	85599	87922		
	+	6	57965	27198		+	6	55723	95117
	-		224	05911		-		224	22116
49	.90807	73997	03794	59	.90873	41323	83039		
	+	6	57741	21287		+	6	55499	73001
	-		224	07534		-		224	23733

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

72^c	Sine.				72^c	Sine.			
60'	.90879	96823	56040		70'	.90945	39485	14124	
	+	6	55275	49268		+	6	53032	23100
	-		224	25351		-		224	41488
61	.90886	52099	05308		71	.90951	92517	37224	
	+	6	55051	23917		+	6	52807	81612
	-		224	26966		-		224	43098
62	.90893	07150	29225		72	.90958	45325	18836	
	+	6	54826	96951		+	6	52583	38514
	-		224	28582		-		224	44709
63	.90899	61977	26176		73	.90964	97908	57350	
	+	6	54602	68369		+	6	52358	93805
	-		224	30197		-		224	46319
64	.90906	16579	94545		74	.90971	50267	51155	
	+	6	54378	38172		+	6	52134	47486
	-		224	31812		-		224	47927
65	.90912	70958	32717		75	.90978	02401	98641	
	+	6	54154	06360		+	6	51909	99559
	-		224	33426		-		224	49537
66	.90919	25112	39077		76	.90984	54311	98200	
	+	6	53929	72934		+	6	51685	50022
	-		224	35040		-		224	51144
67	.90925	79042	12011		77	.90991	05997	48222	
	+	6	53705	37894		+	6	51460	98878
	-		224	36652		-		224	52751
68	.90932	32747	49905		78	.90997	57458	47100	
	+	6	53481	01242		+	6	51236	46127
	-		224	38265		-		224	54358
69	.90938	86228	51147		79	.91004	08694	93227	
	+	6	53256	62977		+	6	51011	91769
	-		224	39877		-		224	55966

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

72^c	Sine.			72^c	Sine.				
80'	.91010	59706	84996	90'	.91075	57472	59856		
	+	6	50787	35803		+	6	48540	87932
	-		224	57569		-		224	73598
81	.91017	10494	20799	91	.91082	06013	47788		
	+	6	50562	78234		+	6	48316	14334
	-		224	59177		-		224	75197
82	.91023	61056	99033	92	.91088	54329	62122		
	+	6	50338	19057		+	6	48091	39137
	-		224	60779		-		224	76796
83	.91030	11395	18090	93	.91095	02421	01259		
	+	6	50113	58278		+	6	47866	62341
	-		224	62385		-		224	78394
84	.91036	61508	76368	94	.91101	50287	63600		
	+	6	49888	95893		+	6	47641	83947
	-		224	63988		-		224	79994
85	.91043	11397	72261	95	.91107	97929	47547		
	+	6	49664	31905		+	6	47417	03953
	-		224	65591		-		224	81590
86	.91049	61062	04166	96	.91114	45346	51500		
	+	6	49439	66314		+	6	47192	22363
	-		224	67193		-		224	83187
87	.91056	10501	70480	97	.91120	92538	73863		
	+	6	49214	99121		+	6	46967	39176
	-		224	68795		-		224	84783
88	.91062	59716	69601	98	.91127	39506	13039		
	+	6	48990	30326		+	6	46742	54393
	-		224	70397		-		224	86380
89	.91069	08706	99927	99	.91133	86248	67432		
	+	6	48765	59929		+	6	46517	68013
	-		224	71997		-		224	87974

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

73^c	Sine.			73^c	Sine.				
00'	.91140	32766	35445	10'	.91204	85572	14049		
	+	6	46292	80039		+	6	44043	12680
	-		224	89569		-		225	05485
01	.91146	79059	15484	11	.91211	29615	26729		
	+	6	46067	90470		+	6	43818	07195
	-		224	91163		-		225	07074
02	.91153	25127	05954	12	.91217	73433	33924		
	+	6	45842	99307		+	6	43593	00121
	-		224	92757		-		225	08662
03	.91159	70970	05261	13	.91224	17026	34045		
	+	6	45618	06550		+	6	43367	91459
	-		224	94350		-		225	10250
04	.91166	16588	11811	14	.91230	60394	25504		
	+	6	45393	12200		+	6	43142	81209
	-		224	95942		-		225	11835
05	.91172	61981	24011	15	.91237	03537	06713		
	+	6	45168	16258		+	6	42917	69374
	-		224	97534		-		225	13422
06	.91179	07149	40269	16	.91243	46454	76087		
	+	6	44943	18724		+	6	42692	55952
	-		224	99126		-		225	15009
07	.91185	52092	58993	17	.91249	89147	32039		
	+	6	44718	19598		+	6	42467	40943
	-		225	00715		-		225	16594
08	.91191	96810	78591	18	.91256	31614	72982		
	+	6	44493	18883		+	6	42242	24349
	-		225	02308		-		225	18177
09	.91198	41303	97474	19	.91262	73856	97331		
	+	6	44268	16575		+	6	42017	06172
	-		225	03895		-		225	19763

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

73^c	Sine.				73^c	Sine.			
20'	.91269	15874	03503		30'	.91333	23656	17192	
	+	6	41791	86409		+	6	39539	01783
	-		225	21345		-		225	37150
21	.91275	57665	89912		31	.91339	63195	18975	
	+	6	41566	65064		+	6	39313	64633
	-		225	22930		-		225	38729
22	.91281	99232	54976		32	.91346	02508	83608	
	+	6	41341	42134		+	6	39088	25904
	-		225	24510		-		225	40305
23	.91288	40573	97110		33	.91352	41597	09512	
	+	6	41116	17624		+	6	38862	85599
	-		225	26094		-		225	41882
24	.91294	81690	14734		34	.91358	80459	95111	
	+	6	40890	91530		+	6	38637	43717
	-		225	27674		-		225	43457
25	.91301	22581	06264		35	.91365	19097	38828	
	+	6	40665	63856		+	6	38412	00260
	-		225	29255		-		225	45032
26	.91307	63246	70120		36	.91371	57509	39088	
	+	6	40440	34601		+	6	38186	55228
	-		225	30836		-		225	46607
27	.91314	03687	04721		37	.91377	95695	94316	
	+	6	40215	03765		+	6	37961	08621
	-		225	32415		-		225	48182
28	.91320	43902	08486		38	.91384	33657	02937	
	+	6	39989	71350		+	6	37735	60439
	-		225	33994		-		225	49754
29	.91326	83891	79836		39	.91390	71392	63376	
	+	6	39764	37356		+	6	37510	10685
	-		225	35573		-		225	51328

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

73^c	Sine.			73^c	Sine.				
40'	.91397	08902	74061	50'	.91460	71597	98614		
	+	6	37284	59357		+	6	35028	59687
	-		225	52900		-		225	68594
41	.91403	46187	33418	51	.91467	06626	58301		
	+	6	37059	06457		+	6	34802	91093
	-		225	54472		-		225	70160
42	.91409	83246	39875	52	.91473	41429	49394		
	+	6	36833	51985		+	6	34577	20933
	-		225	56044		-		225	71726
43	.91416	20079	91860	53	.91479	76006	70327		
	+	6	36607	95941		+	6	34351	49207
	-		225	57614		-		225	73291
44	.91422	56687	87801	54	.91486	10358	19534		
	+	6	36382	38327		+	6	34125	75916
	-		225	59184		-		225	74856
45	.91428	93070	26128	55	.91492	44483	95450		
	+	6	36156	79143		+	6	33900	01060
	-		225	60754		-		225	76420
46	.91435	29227	05271	56	.91498	78383	96510		
	+	6	35931	18389		+	6	33674	24640
	-		225	62324		-		225	77984
47	.91441	65158	23660	57	.91505	12058	21150		
	+	6	35705	56065		+	6	33448	46656
	-		225	63891		-		225	79546
48	.91448	00863	79725	58	.91511	45506	67806		
	+	6	35479	92174		+	6	33222	67110
	-		225	65459		-		225	81108
49	.91454	36343	71899	59	.91517	78729	34916		
	+	6	35254	26715		+	6	32996	86002
	-		225	67028		-		225	82672

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

73^c	Sine.				73^c	Sine.			
60'	.91524	11726	20918		70'	.91587	29271	76610	
	+	6	32771	03330		+	6	30511	90843
	-		225	84231		-		225	99813
61	.91530	44497	24248		71	.91593	59783	67453	
	+	6	32545	19099		+	6	30285	91030
	-		225	85794		-		226	01370
62	.91536	77042	43347		72	.91599	90069	58483	
	+	6	32319	33305		+	6	30059	89660
	-		225	87352		-		226	02925
63	.91543	09361	76652		73	.91606	20129	48143	
	+	6	32093	45953		+	6	29833	86735
	-		225	88913		-		226	04477
64	.91549	41455	22605		74	.91612	49963	34878	
	+	6	31867	57040		+	6	29607	82258
	-		225	90471		-		226	06032
65	.91555	73322	79645		75	.91618	79571	17136	
	+	6	31641	66569		+	6	29381	76226
	-		225	92031		-		226	07585
66	.91562	04964	46214		76	.91625	08952	93362	
	+	6	31415	74538		+	6	29155	68641
	-		225	93588		-		226	09137
67	.91568	36380	20752		77	.91631	38108	62003	
	+	6	31189	80950		+	6	28929	59504
	-		225	95145		-		226	10688
68	.91574	67570	01702		78	.91637	67038	21507	
	+	6	30963	85805		+	6	28703	48816
	-		225	96702		-		226	12241
69	.91580	98533	87507		79	.91643	95741	70323	
	+	6	30737	89103		+	6	28477	36575
	-		225	98260		-		226	13791

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

73^c	Sine.				73^c	Sine.			
80'	.91650	24219	06898		90'	.91712	96552	58567	
	+	6	28251	22784		+	6	25988	99711
	-		226	15340		-		226	30813
81	.91656	52470	29682		91	.91719	22541	58278	
	+	6	28025	07444		+	6	25762	68898
	-		226	16891		-		226	32354
82	.91662	80495	37126		92	.91725	48304	27176	
	+	6	27798	90553		+	6	25536	36544
	-		226	18439		-		226	33901
83	.91669	08294	27679		93	.91731	73840	63720	
	+	6	27572	72114		+	6	25310	02643
	-		226	19989		-		226	35441
84	.91675	35866	99793		94	.91737	99150	66363	
	+	6	27346	52125		+	6	25083	67202
	-		226	21535		-		226	36984
85	.91681	63213	51918		95	.91744	24234	33565	
	+	6	27120	30590		+	6	24857	30218
	-		226	23084		-		226	38527
86	.91687	90333	82508		96	.91750	49091	63783	
	+	6	26894	07506		+	6	24630	91691
	-		226	24630		-		226	40067
87	.91694	17227	90014		97	.91756	73722	55474	
	+	6	26667	82876		+	6	24404	51624
	-		226	26177		-		226	41609
88	.91700	43895	72890		98	.91762	98127	07098	
	+	6	26441	56699		+	6	24178	10015
	-		226	27721		-		226	43147
89	.91706	70337	29589		99	.91769	22305	17113	
	+	6	26215	28978		+	6	23951	66868
	-		226	29267		-		226	44688

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

74^c	Sine.			74^c	Sine.				
00'	.91775	46256	83981	10'	.91837	73316	41088		
	+	6	23725	22180		+	6	21459	90751
	-		226	46227		-		226	61585
01	.91781	69982	06161	11	.91843	94776	31839		
	+	6	23498	75953		+	6	21233	29166
	-		226	47764		-		226	63119
02	.91787	93480	82114	12	.91850	16009	61005		
	+	6	23272	28189		+	6	21006	66047
	-		226	49304		-		226	64651
03	.91794	16753	10303	13	.91856	37016	27052		
	+	6	23045	78885		+	6	20780	01396
	-		226	50840		-		226	66182
04	.91800	39798	89188	14	.91862	57796	28448		
	+	6	22819	28045		+	6	20553	35214
	-		226	52377		-		226	67714
05	.91806	62618	17233	15	.91868	78349	63662		
	+	6	22592	75668		+	6	20326	67500
	-		226	53913		-		226	69245
06	.91812	85210	92901	16	.91874	98676	31162		
	+	6	22366	21755		+	6	20099	98255
	-		226	55449		-		226	70773
07	.91819	07577	14656	17	.91881	18776	29417		
	+	6	22139	66306		+	6	19873	27482
	-		226	56984		-		226	72305
08	.91825	29716	80962	18	.91887	38649	56899		
	+	6	21913	09322		+	6	19646	55177
	-		226	58518		-		226	73832
09	.91831	51629	90284	19	.91893	58296	12076		
	+	6	21686	50804		+	6	19419	81345
	-		226	60053		-		226	75361

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

74^c	Sine.			74^c	Sine.		
20'	.91899	77715	93421	30'	.91961	59440	10109
	+	6	19193 05984		+	6	16924 68436
	-		226 76889		-		226 92136
21	.91905	96908	99405	31	.91967	76364	78545
	+	6	18966 29095		+	6	16697 76300
	-		226 78416		-		226 93657
22	.91912	15875	28500	32	.91973	93062	54845
	+	6	18739 50679		+	6	16470 82643
	-		226 79943		-		226 95179
23	.91918	34614	79179	33	.91980	09533	37488
	+	6	18512 70736		+	6	16243 87464
	-		226 81469		-		226 96700
24	.91924	53127	49915	34	.91986	25777	24952
	+	6	18285 89267		+	6	16016 90764
	-		226 82994		-		226 98218
25	.91930	71413	39182	35	.91992	41794	15716
	+	6	18059 06273		+	6	15789 92546
	-		226 84520		-		226 99740
26	.91936	89472	45455	36	.91998	57584	08262
	+	6	17832 21753		+	6	15562 92806
	-		226 86044		-		227 01257
27	.91943	07304	67208	37	.92004	73147	01068
	+	6	17605 35709		+	6	15335 91549
	-		226 87568		-		227 02775
28	.91949	24910	02917	38	.92010	88482	92617
	+	6	17378 48141		+	6	15108 88774
	-		226 89090		-		227 04295
29	.91955	42288	51058	39	.92017	03591	81391
	+	6	17151 59051		+	6	14881 84479
	-		226 90615		-		227 05810

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

74^c	Sine.				74^c	Sine.			
40'	.92023	18473	65870		50'	.92084	54801	41026	
	+	6	14654	78669		+	6	12383	37242
	-		227	07327		-		227	22463
41	.92029	33128	44539		51	.92090	67184	78268	
	+	6	14427	71342		+	6	12156	14779
	-		227	08843		-		227	23972
42	.92035	47556	15881		52	.92096	79340	93047	
	+	6	14200	62499		+	6	11928	90807
	-		227	10360		-		227	25484
43	.92041	61756	78380		53	.92102	91269	83854	
	+	6	13973	52139		+	6	11701	65323
	-		227	11873		-		227	26991
44	.92047	75730	30519		54	.92109	02971	49177	
	+	6	13746	40266		+	6	11474	38332
	-		227	13388		-		227	28502
45	.92053	89476	70785		55	.92115	14445	87509	
	+	6	13519	26878		+	6	11247	09830
	-		227	14902		-		227	30008
46	.92060	02995	97663		56	.92121	25692	97339	
	+	6	13292	11976		+	6	11019	79822
	-		227	16415		-		227	31517
47	.92066	16288	09639		57	.92127	36712	77161	
	+	6	13064	95561		+	6	10792	48305
	-		227	17928		-		227	33024
48	.92072	29353	05200		58	.92133	47505	25466	
	+	6	12837	77633		+	6	10565	15281
	-		227	19440		-		227	34530
49	.92078	42190	82833		59	.92139	58070	40747	
	+	6	12610	58193		+	6	10337	80751
	-		227	20951		-		227	36036

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

74^c	Sine.			74^c	Sine.				
60'	.92145	68408	21498	70'	.92206	59278	98815		
	+	6	10110	44715		+	6	07836	01650
	-		227	37541		-		227	52566
61	.92151	78518	66213	71	.92212	67115	00465		
	+	6	09883	07174		+	6	07608	49084
	-		227	39047		-		227	54063
62	.92157	88401	73387	72	.92218	74723	49549		
	+	6	09655	68127		+	6	07380	95021
	-		227	40551		-		227	55562
63	.92163	98057	41514	73	.92224	82104	44570		
	+	6	09428	27576		+	6	07153	39459
	-		227	42054		-		227	57061
64	.92170	07485	69090	74	.92230	89257	84029		
	+	6	09200	85522		+	6	06925	82398
	-		227	43558		-		227	58558
65	.92176	16686	54612	75	.92236	96183	66427		
	+	6	08973	41964		+	6	06698	23840
	-		227	45060		-		227	60055
66	.92182	25659	96576	76	.92243	02881	90267		
	+	6	08745	96904		+	6	06470	63785
	-		227	46561		-		227	61552
67	.92188	34405	93480	77	.92249	09352	54052		
	+	6	08518	50343		+	6	06243	02233
	-		227	48065		-		227	63047
68	.92194	42924	43823	78	.92255	15595	56285		
	+	6	08291	02278		+	6	06015	39186
	-		227	49564		-		227	64542
69	.92200	51215	46101	79	.92261	21610	95471		
	+	6	08063	52714		+	6	05787	74644
	-		227	51064		-		227	66038

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

74^c	Sine.				74^c	Sine.			
80'	.92267	27398	70115		90'	.92327	72752	38149	
	+ 6	05560	08606			+ 6	03282	66147	
	-	227	67531			-	227	82441	
81	.92273	32958	78721		91	.92333	76035	04296	
	+ 6	05332	41075			+ 6	03054	83706	
	-	227	69025			-	227	83931	
82	.92279	38291	19796		92	.92339	79089	88002	
	+ 6	05104	72050			+ 6	02826	99775	
	-	227	70518			-	227	85418	
83	.92285	43395	91846		93	.92345	81916	87777	
	+ 6	04877	01532			+ 6	02599	14357	
	-	227	72011			-	227	86904	
84	.92291	48272	93378		94	.92351	84516	02134	
	+ 6	04649	29521			+ 6	02371	27453	
	-	227	73503			-	227	88390	
85	.92297	52922	22899		95	.92357	86887	29587	
	+ 6	04421	56018			+ 6	02143	39063	
	-	227	74993			-	227	89877	
86	.92303	57343	78917		96	.92363	89030	68650	
	+ 6	04193	81025			+ 6	01915	49186	
	-	227	76484			-	227	91362	
87	.92309	61537	59942		97	.92369	90946	17836	
	+ 6	03966	04541			+ 6	01687	57824	
	-	227	77976			-	227	92845	
88	.92315	65503	64483		98	.92375	92633	75660	
	+ 6	03738	26565			+ 6	01459	64979	
	-	227	79464			-	227	94331	
89	.92321	69241	91048		99	.92381	94093	40639	
	+ 6	03510	47101			+ 6	01231	70648	
	-	227	80954			-	227	95814	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

75^c	Sine.			75^c	Sine.		
00'	.92387	95325	11287	10'	.92447	95102	03518
	+ 6	01003	74834		+ 5	98723	35230
	-	227	97296		-	228	12095
01	.92393	96328	86121	11	.92453	93825	38748
	+ 6	00775	77538		+ 5	98495	23135
	-	227	98779		-	228	13572
02	.92399	97104	63659	12	.92459	92320	61883
	+ 6	00547	78759		+ 5	98267	09563
	-	228	00261		-	228	15047
03	.92405	97652	42418	13	.92465	90587	71446
	+ 6	00319	78498		+ 5	98038	94516
	-	228	01742		-	228	16524
04	.92411	97972	20916	14	.92471	88626	65962
	+ 6	00091	76756		+ 5	97810	77992
	-	228	03223		-	228	17998
05	.92417	98063	97672	15	.92477	86437	43954
	+ 5	99863	73533		+ 5	97582	59994
	-	228	04702		-	228	19473
06	.92423	97927	71205	16	.92483	84020	03948
	+ 5	99635	68831		+ 5	97354	40521
	-	228	06183		-	228	20947
07	.92429	97563	40036	17	.92489	81374	44469
	+ 5	99407	62648		+ 5	97126	19574
	-	228	07661		-	228	22420
08	.92435	96971	02684	18	.92495	78500	64043
	+ 5	99179	54987		+ 5	96897	97154
	-	228	09140		-	228	23893
09	.92441	96150	57671	19	.92501	75398	61197
	+ 5	98951	45847		+ 5	96669	73261
	-	228	10617		-	228	25365

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

75^c	Sine.			75^c	Sine.				
20'	.92507	72068	34458	30'	.92567	26209	29349		
	+	5	96441	47896		+	5	94158	13397
	-		228	26837		-		228	41524
21	.92513	68509	82354	31	.92573	20367	42746		
	+	5	96213	21059		+	5	93929	71873
	-		228	28307		-		228	42987
22	.92519	64723	03413	32	.92579	14297	14619		
	+	5	95984	92752		+	5	93701	28886
	-		228	29779		-		228	44452
23	.92525	60707	96165	33	.92585	07998	43505		
	+	5	95756	62973		+	5	93472	84434
	-		228	31249		-		228	45918
24	.92531	56464	59138	34	.92591	01471	27939		
	+	5	95528	31724		+	5	93244	38516
	-		228	32717		-		228	47381
25	.92537	51992	90862	35	.92596	94715	66455		
	+	5	95299	99007		+	5	93015	91135
	-		228	34187		-		228	48844
26	.92543	47292	89869	36	.92602	87731	57590		
	+	5	95071	64820		+	5	92787	42291
	-		228	35655		-		228	50306
27	.92549	42364	54689	37	.92608	80518	99881		
	+	5	94843	29165		+	5	92558	91985
	-		228	37122		-		228	51770
28	.92555	37207	83854	38	.92614	73077	91866		
	+	5	94614	92043		+	5	92330	40215
	-		228	38591		-		228	53229
29	.92561	31822	75897	39	.92620	65408	32081		
	+	5	94386	53452		+	5	92101	86986
	-		228	40055		-		228	54692

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

75^c	Sine.			75^c	Sine.				
40'	.92626	57510	19067	50'	.92685	65956	40121		
	+	5	91873	32294		+	5	89587	05153
	-		228	56152		-		228	70725
41	.92632	49383	51361	51	.92691	55543	45274		
	+	5	91644	76142		+	5	89358	34428
	-		228	57611		-		228	72179
42	.92638	41028	27503	52	.92697	44901	79702		
	+	5	91416	18531		+	5	89129	62249
	-		228	59071		-		228	73631
43	.92644	32444	46034	53	.92703	34031	41951		
	+	5	91187	59460		+	5	88900	88618
	-		228	60529		-		228	75086
44	.92650	23632	05494	54	.92709	22932	30569		
	+	5	90958	98931		+	5	88672	13532
	-		228	61988		-		228	76539
45	.92656	14591	04425	55	.92715	11604	44101		
	+	5	90730	36943		+	5	88443	36993
	-		228	63446		-		228	77988
46	.92662	05321	41368	56	.92721	00047	81094		
	+	5	90501	73497		+	5	88214	59005
	-		228	64901		-		228	79442
47	.92667	95823	14865	57	.92726	88262	40099		
	+	5	90273	08596		+	5	87985	79563
	-		228	66359		-		228	80892
48	.92673	86096	23461	58	.92732	76248	19662		
	+	5	90044	42237		+	5	87756	98671
	-		228	67814		-		228	82343
49	.92679	76140	65698	59	.92738	64005	18333		
	+	5	89815	74423		+	5	87528	16328
	-		228	69270		-		228	83791

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

75^c	Sine.				75^c	Sine.			
60'	.92744	51533	34661		70'	.92803	14226	50481	
	+	5	87299	32537		+	5	85010	15010
	-		228	85241		-		228	99700
61	.92750	38832	67198		71	.92808	99236	65491	
	+	5	87070	47296		+	5	84781	15310
	-		228	86689		-		229	01144
62	.92756	25903	14494		72	.92814	84017	80801	
	+	5	86841	60607		+	5	84552	14166
	-		228	88138		-		229	02586
63	.92762	12744	75101		73	.92820	68569	94967	
	+	5	86612	72469		+	5	84323	11580
	-		228	89585		-		229	04028
64	.92767	99357	47570		74	.92826	52893	06547	
	+	5	86383	82884		+	5	84094	07552
	-		228	91032		-		229	05470
65	.92773	85741	30454		75	.92832	36987	14099	
	+	5	86154	91852		+	5	83865	02082
	-		228	92478		-		229	06909
66	.92779	71896	22306		76	.92838	20852	16181	
	+	5	85925	99374		+	5	83635	95173
	-		228	93923		-		229	08349
67	.92785	57822	21680		77	.92844	04488	11354	
	+	5	85697	05451		+	5	83406	86824
	-		228	95370		-		229	09790
68	.92791	43519	27131		78	.92849	87894	98178	
	+	5	85468	10081		+	5	83177	77034
	-		228	96812		-		229	11229
69	.92797	28987	37212		79	.92855	71072	75212	
	+	5	85239	13269		+	5	82948	65805
	-		228	98259		-		229	12666

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

75^c	Sine.			75^c	Sine.		
80'	.92861	54021	41017	90'	.92919	70903	65360
+ 5	82719	53139		+ 5	80427	47487	
- 229	14104			- 229	28451		
81	.92867	36740	94156	91	.92925	51331	12847
+ 5	82490	39035		+ 5	80198	19036	
- 229	15542			- 229	29883		
82	.92873	19231	33191	92	.92931	31529	31883
+ 5	82261	23493		+ 5	79968	89153	
- 229	16978			- 229	31314		
83	.92879	01492	56684	93	.92937	11498	21036
+ 5	82032	06515		+ 5	79739	57839	
- 229	18415			- 229	32744		
84	.92884	83524	63199	94	.92942	91237	78875
+ 5	81802	88100		+ 5	79510	25095	
- 229	19849			- 229	34175		
85	.92890	65327	51299	95	.92948	70748	03970
+ 5	81573	68251		+ 5	79280	90920	
- 229	21286			- 229	35603		
86	.92896	46901	19550	96	.92954	50028	94890
+ 5	81344	46965		+ 5	79051	55317	
- 229	22719			- 229	37032		
87	.92902	28245	66515	97	.92960	29080	50207
+ 5	81115	24246		+ 5	78822	18285	
- 229	24153			- 229	38461		
88	.92908	09360	90761	98	.92966	07902	68492
+ 5	80886	00093		+ 5	78592	79824	
- 229	25587			- 229	39889		
89	.92913	90246	90854	99	.92971	86495	48316
+ 5	80656	74506		+ 5	78363	39935	
- 229	27019			- 229	41314		

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

76^c	Sine.			76^c	Sine.				
00'	.92977	64858	88251	10'	.93035	35872	80090		
	+	5	78133	98621		+	5	75839	07105
	-		229	42742		-		229	56975
01	.92983	42992	86872	11	.93041	11711	87195		
	+	5	77904	55879		+	5	75609	50130
	-		229	44168		-		229	58396
02	.92989	20897	42751	12	.93046	87321	37325		
	+	5	77675	11711		+	5	75379	91734
	-		229	45592		-		229	59815
03	.92994	98572	54462	13	.93052	62701	29059		
	+	5	77445	66119		+	5	75150	31919
	-		229	47019		-		229	61235
04	.93000	76018	20581	14	.93058	37851	60978		
	+	5	77216	19100		+	5	74920	70684
	-		229	48441		-		229	62653
05	.93006	53234	39681	15	.93064	12772	31662		
	+	5	76986	70659		+	5	74691	08031
	-		229	49866		-		229	64071
06	.93012	30221	10340	16	.93069	87463	39693		
	+	5	76757	20793		+	5	74461	43960
	-		229	51289		-		229	65488
07	.93018	06978	31133	17	.93075	61924	83653		
	+	5	76527	69504		+	5	74231	78472
	-		229	52711		-		229	66906
08	.93023	83506	00637	18	.93081	36156	62125		
	+	5	76298	16793		+	5	74002	11566
	-		229	54133		-		229	68321
09	.93029	59804	17430	19	.93087	10158	73691		
	+	5	76068	62660		+	5	73772	43245
	-		229	55555		-		229	69738

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

76^c	Sine.			76^c	Sine.				
20'	.93092	83931	16936	30'	.93150	09019	80512		
	+	5	73542	73507		+	5	71244	98394
	-		229	71152		-		229	85274
21	.93098	57473	90443	31	.93155	80264	78906		
	+	5	73313	02355		+	5	71015	13120
	-		229	72568		-		229	86682
22	.93104	30786	92798	32	.93161	51279	92026		
	+	5	73083	29787		+	5	70785	26438
	-		229	73980		-		229	88089
23	.93110	03870	22585	33	.93167	22065	18464		
	+	5	72853	55807		+	5	70555	38349
	-		229	75395		-		229	89499
24	.93115	76723	78392	34	.93172	92620	56813		
	+	5	72623	80412		+	5	70325	48850
	-		229	76808		-		229	90905
25	.93121	49347	58804	35	.93178	62946	05663		
	+	5	72394	03604		+	5	70095	57945
	-		229	78220		-		229	92312
26	.93127	21741	62408	36	.93184	33041	63608		
	+	5	72164	25384		+	5	69865	65633
	-		229	79631		-		229	93718
27	.93132	93905	87792	37	.93190	02907	29241		
	+	5	71934	45753		+	5	69635	71915
	-		229	81042		-		229	95123
28	.93138	65840	33545	38	.93195	72543	01156		
	+	5	71704	64711		+	5	69405	76792
	-		229	82455		-		229	96529
29	.93144	37544	98256	39	.93201	41948	77948		
	+	5	71474	82256		+	5	69175	80263
	-		229	83862		-		229	97933

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

76^c	Sine.				76^c	Sine.			
40'	.93207	11124	58211		50'	.93263	90231	43094	
	+	5	68945	82330		+	5	66645	25886
	-		229	99336		-		230	13344
41	.93212	80070	40541		51	.93269	56876	68980	
	+	5	68715	82994		+	5	66415	12542
	-		230	00740		-		230	14741
42	.93218	48786	23535		52	.93275	23291	81522	
	+	5	68485	82254		+	5	66184	97801
	-		230	02143		-		230	16139
43	.93224	17272	05789		53	.93280	89476	79323	
	+	5	68255	80111		+	5	65954	81662
	-		230	03545		-		230	17534
44	.93229	85527	85900		54	.93286	55431	60985	
	+	5	68025	76566		+	5	65724	64128
	-		230	04945		-		230	18930
45	.93235	53553	62466		55	.93292	21156	25113	
	+	5	67795	71621		+	5	65494	45198
	-		230	06348		-		230	20326
46	.93241	21349	34087		56	.93297	86650	70311	
	+	5	67565	65273		+	5	65264	24872
	-		230	07748		-		230	21721
47	.93246	88914	99360		57	.93303	51914	95183	
	+	5	67335	57525		+	5	65034	03151
	-		230	09147		-		230	23115
48	.93252	56250	56885		58	.93309	16948	98334	
	+	5	67105	48378		+	5	64803	80036
	-		230	10547		-		230	24507
49	.93258	23356	05263		59	.93314	81752	78370	
	+	5	66875	37831		+	5	64573	55529
	-		230	11945		-		230	25903

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

76^c	Sine.			76^c	Sine.				
60'	.93320	46326	33899	70'	.93376	79395	35039		
	+	5	64343	29626		+	5	62039	94122
	-		230	27292		-		230	41187
61	.93326	10669	63525	71	.93382	41435	29161		
	+	5	64113	02334		+	5	61809	52935
	-		230	28687		-		230	42573
62	.93331	74782	65859	72	.93388	03244	82096		
	+	5	63882	73647		+	5	61579	10362
	-		230	30077		-		230	43960
63	.93337	38665	39506	73	.93393	64823	92458		
	+	5	63652	43570		+	5	61348	66402
	-		230	31467		-		230	45343
64	.93343	02317	83076	74	.93399	26172	58860		
	+	5	63422	12103		+	5	61118	21059
	-		230	32858		-		230	46730
65	.93348	65739	95179	75	.93404	87290	79919		
	+	5	63191	79245		+	5	60887	74329
	-		230	34248		-		230	48111
66	.93354	28931	74424	76	.93410	48178	54248		
	+	5	62961	44997		+	5	60657	26218
	-		230	35637		-		230	49497
67	.93359	91893	19421	77	.93416	08835	80466		
	+	5	62731	09360		+	5	60426	76721
	-		230	37024		-		230	50878
68	.93365	54624	28781	78	.93421	69262	57187		
	+	5	62500	72336		+	5	60196	25843
	-		230	38414		-		230	52261
69	.93371	17125	01117	79	.93427	29458	83030		
	+	5	62270	33922		+	5	59965	73582
	-		230	39800		-		230	53643

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

76^c	Sine.			76^c	Sine.				
80'	.93432	89424	56612	90'	.93488	76400	14398		
	+	5	59735	19939		+	5	57429	07648
	-		230	55023		-		230	68804
81	.93438	49159	76551	91	.93494	33829	22046		
	+	5	59504	64916		+	5	57198	38844
	-		230	56404		-		230	70177
82	.93444	08664	41467	92	.93499	91027	60890		
	+	5	59274	08512		+	5	56967	68667
	-		230	57785		-		230	71553
83	.93449	67938	49979	93	.93505	47995	29557		
	+	5	59043	50727		+	5	56736	97114
	-		230	59163		-		230	72927
84	.93455	26982	00706	94	.93511	04732	26671		
	+	5	58812	91564		+	5	56506	24187
	-		230	60542		-		230	74298
85	.93460	85794	92270	95	.93516	61238	50858		
	+	5	58582	31022		+	5	56275	49889
	-		230	61921		-		230	75672
86	.93466	44377	23292	96	.93522	17514	00747		
	+	5	58351	69101		+	5	56044	74217
	-		230	63299		-		230	77044
87	.93472	02728	92393	97	.93527	73558	74964		
	+	5	58121	05802		+	5	55813	97173
	-		230	64674		-		230	78415
88	.93477	60849	98195	98	.93533	29372	72137		
	+	5	57890	41128		+	5	55583	18758
	-		230	66053		-		230	79786
89	.93483	18740	39323	99	.93538	84955	90895		
	+	5	57659	75075		+	5	55352	38972
	-		230	67427		-		230	81156

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

77^c	Sine.			77^c	Sine.				
00'	.93544	40308	29867	10'	.93599	81135	30180		
	+	5	55121	57816		+	5	52812	71013
	-		230	82526		-		230	96191
01	.93549	95429	87683	11	.93605	33948	01193		
	+	5	54890	75290		+	5	52581	74822
	-		230	83895		-		230	97556
02	.93555	50320	62973	12	.93610	86529	76015		
	+	5	54659	91395		+	5	52350	77266
	-		230	85264		-		230	98917
03	.93561	04980	54368	13	.93616	38880	53281		
	+	5	54429	06131		+	5	52119	78349
	-		230	86632		-		231	00281
04	.93566	59409	60499	14	.93621	91000	31630		
	+	5	54198	19499		+	5	51888	78068
	-		230	87998		-		231	01642
05	.93572	13607	79998	15	.93627	42889	09698		
	+	5	53967	31501		+	5	51657	76426
	-		230	89367		-		231	03004
06	.93577	67575	11499	16	.93632	94546	86124		
	+	5	53736	42134		+	5	51426	73422
	-		230	90732		-		231	04363
07	.93583	21311	53633	17	.93638	45973	59546		
	+	5	53505	51402		+	5	51195	69059
	-		230	92098		-		231	05724
08	.93588	74817	05035	18	.93643	97169	28605		
	+	5	53274	59304		+	5	50964	63335
	-		230	93463		-		231	07083
09	.93594	28091	64339	19	.93649	48133	91940		
	+	5	53043	65841		+	5	50733	56252
	-		230	94828		-		231	08442

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

77^c	Sine.				77^c	Sine.			
20'	.93654	98867	48192		30'	.93709	93491	22459	
	+	5	50502	47810		+	5	48190	88775
	-		231	09801		-		231	23352
21	.93660	49369	96002		31	.93715	41682	11234	
	+	5	50271	38009		+	5	47959	65423
	-		231	11158		-		231	24705
22	.93665	99641	34011		32	.93720	89641	76657	
	+	5	50040	26851		+	5	47728	40718
	-		231	12515		-		231	26055
23	.93671	49681	60862		33	.93726	37370	17375	
	+	5	49809	14336		+	5	47497	14663
	-		231	13873		-		231	27406
24	.93676	99490	75198		34	.93731	84867	32038	
	+	5	49578	00463		+	5	47265	87257
	-		231	15227		-		231	28758
25	.93682	49068	75661		35	.93737	32133	19295	
	+	5	49346	85236		+	5	47034	58499
	-		231	16584		-		231	30106
26	.93687	98415	60897		36	.93742	79167	77794	
	+	5	49115	68652		+	5	46803	28393
	-		231	17938		-		231	31457
27	.93693	47531	29549		37	.93748	25971	06187	
	+	5	48884	50714		+	5	46571	96936
	-		231	19293		-		231	32803
28	.93698	96415	80263		38	.93753	72543	03123	
	+	5	48653	31421		+	5	46340	64133
	-		231	20646		-		231	34153
29	.93704	45069	11684		39	.93759	18883	67256	
	+	5	48422	10775		+	5	46109	29980
	-		231	22000		-		231	35501

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

77^c	Sine.				77^c	Sine.			
40'	.93764	64992	97236		50'	.93819	13359	22484	
	+	5	45877	94479		+	5	43563	65495
	-		231	36846		-		231	50285
41	.93770	10870	91715		51	.93824	56922	87979	
	+	5	45646	57633		+	5	43332	15210
	-		231	38193		-		231	51625
42	.93775	56517	49348		52	.93830	00255	03189	
	+	5	45415	19440		+	5	43100	63585
	-		231	39539		-		231	52965
43	.93781	01932	68788		53	.93835	43355	66774	
	+	5	45183	79901		+	5	42869	10620
	-		231	40885		-		231	54305
44	.93786	47116	48689		54	.93840	86224	77394	
	+	5	44952	39016		+	5	42637	56315
	-		231	42228		-		231	55643
45	.93791	92068	87705		55	.93846	28862	33709	
	+	5	44720	96788		+	5	42406	00672
	-		231	43573		-		231	56982
46	.93797	36789	84493		56	.93851	71268	34381	
	+	5	44489	53215		+	5	42174	43690
	-		231	44916		-		231	58320
47	.93802	81279	37708		57	.93857	13442	78071	
	+	5	44258	08299		+	5	41942	85370
	-		231	46260		-		231	59657
48	.93808	25537	46007		58	.93862	55385	63441	
	+	5	44026	62039		+	5	41711	25713
	-		231	47601		-		231	60993
49	.93813	69564	08046		59	.93867	97096	89154	
	+	5	43795	14438		+	5	41479	64720
	-		231	48943		-		231	62329

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

77^c	Sine.				77^c	Sine.			
60'	.93873	38576	53874		70'	.93927	40631	52787	
	+	5	41248	02391		+	5	38931	05739
	-		231	63666		-		231	76989
61	.93878	79824	56265		71	.93932	79562	58526	
	+	5	41016	38725		+	5	38699	28750
	-		231	64999		-		231	78317
62	.93884	20840	94990		72	.93938	18261	87276	
	+	5	40784	73726		+	5	38467	50433
	-		231	66335		-		231	79646
63	.93889	61625	68716		73	.93943	56729	37709	
	+	5	40553	07391		+	5	38235	70787
	-		231	67667		-		231	80974
64	.93895	02178	76107		74	.93948	94965	08496	
	+	5	40321	39724		+	5	38003	89813
	-		231	69002		-		231	82302
65	.93900	42500	15831		75	.93954	32968	98309	
	+	5	40089	70722		+	5	37772	07511
	-		231	70333		-		231	83628
66	.93905	82589	86553		76	.93959	70741	05820	
	+	5	39858	00389		+	5	37540	23883
	-		231	71667		-		231	84955
67	.93911	22447	86942		77	.93965	08281	29703	
	+	5	39626	28722		+	5	37308	38928
	-		231	72996		-		231	86281
68	.93916	62074	15664		78	.93970	45589	68631	
	+	5	39394	55726		+	5	37076	52647
	-		231	74329		-		231	87605
69	.93922	01468	71390		79	.93975	82666	21278	
	+	5	39162	81397		+	5	36844	65042
	-		231	75658		-		231	88931

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

77^c	Sine.				77^c	Sine.			
80'	.93981	19510	86320		90'	.94034	75201	27287	
	+	5	36612	76111		+	5	34293	14080
	-		231	90254		-		232	03464
81	.93986	56123	62431		91	.94040	09494	41367	
	+	5	36380	85857		+	5	34061	10616
	-		231	91579		-		232	04781
82	.93991	92504	48288		92	.94045	43555	51983	
	+	5	36148	94278		+	5	33829	05835
	-		231	92899		-		232	06098
83	.93997	28653	42566		93	.94050	77384	57818	
	+	5	35917	01379		+	5	33596	99737
	-		231	94224		-		232	07414
84	.94002	64570	43945		94	.94056	10981	57555	
	+	5	35685	07155		+	5	33364	92323
	-		231	95545		-		232	08732
85	.94008	00255	51100		95	.94061	44346	49878	
	+	5	35453	11610		+	5	33132	83591
	-		231	96866		-		232	10046
86	.94013	35708	62710		96	.94066	77479	33469	
	+	5	35221	14744		+	5	32900	73545
	-		231	98187		-		232	11361
87	.94018	70929	77454		97	.94072	10380	07014	
	+	5	34989	16557		+	5	32668	62184
	-		231	99506		-		232	12676
88	.94024	05918	94011		98	.94077	43048	69198	
	+	5	34757	17051		+	5	32436	49508
	-		232	00826		-		232	13989
89	.94029	40676	11062		99	.94082	75485	18706	
	+	5	34525	16225		+	5	32204	35519
	-		232	02145		-		232	15302

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

78^c	Sine.			78^c	Sine.				
00'	.94088	07689	54225	10'	.94141	16962	51397		
	+	5	31972	20217		+	5	29649	95095
	-		232	16615		-		232	29710
01	.94093	39661	74442	11	.94146	46612	46492		
	+	5	31740	03602		+	5	29417	65385
	-		232	17927		-		232	31015
02	.94098	71401	78044	12	.94151	76030	11877		
	+	5	31507	85675		+	5	29185	34370
	-		232	19239		-		232	32321
03	.94104	02909	63719	13	.94157	05215	46247		
	+	5	31275	66436		+	5	28953	02049
	-		232	20549		-		232	33627
04	.94109	34185	30155	14	.94162	34168	48296		
	+	5	31043	45887		+	5	28720	68422
	-		232	21860		-		232	34931
05	.94114	65228	76042	15	.94167	62889	16718		
	+	5	30811	24027		+	5	28488	33491
	-		232	23169		-		232	36235
06	.94119	96040	00069	16	.94172	91377	50209		
	+	5	30579	00858		+	5	28255	97256
	-		232	24478		-		232	37539
07	.94125	26619	00927	17	.94178	19633	47465		
	+	5	30346	76380		+	5	28023	59717
	-		232	25788		-		232	38841
08	.94130	56965	77307	18	.94183	47657	07182		
	+	5	30114	50592		+	5	27791	20876
	-		232	27094		-		232	40143
09	.94135	87080	27899	19	.94188	75448	28058		
	+	5	29882	23498		+	5	27558	80733
	-		232	28403		-		232	41446

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

78^c	Sine.			78^c	Sine.				
20'	.94194	03007	08791	30'	.94246	65810	22128		
	+	5	27326	39287		+	5	25001	53367
	-		232	42746		-		232	55726
21	.94199	30333	48078	31	.94251	90811	75495		
	+	5	27093	96541		+	5	24768	97641
	-		232	44048		-		232	57021
22	.94204	57427	44619	32	.94257	15580	73136		
	+	5	26861	52493		+	5	24536	40620
	-		232	45346		-		232	58316
23	.94209	84288	97112	33	.94262	40117	13756		
	+	5	26629	07147		+	5	24303	82304
	-		232	46646		-		232	59608
24	.94215	10918	04259	34	.94267	64420	96060		
	+	5	26396	60501		+	5	24071	22696
	-		232	47946		-		232	60902
25	.94220	37314	64760	35	.94272	88492	18756		
	+	5	26164	12555		+	5	23838	61794
	-		232	49243		-		232	62194
26	.94225	63478	77315	36	.94278	12330	80550		
	+	5	25931	63312		+	5	23605	99600
	-		232	50541		-		232	63487
27	.94230	89410	40627	37	.94283	35936	80150		
	+	5	25699	12771		+	5	23373	36113
	-		232	51839		-		232	64778
28	.94236	15109	53398	38	.94288	59310	16263		
	+	5	25466	60932		+	5	23140	71335
	-		232	53134		-		232	66069
29	.94241	40576	14330	39	.94293	82450	87598		
	+	5	25234	07798		+	5	22908	05266
	-		232	54431		-		232	67358

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

78^c	Sine.				78^c	Sine.			
40'	.94299	05358	92864		50'	.94351	21640	28194	
	+	5	22675	37908		+	5	20347	93483
	-		232	68648		-		232	81512
41	.94304	28034	30772		51	.94356	41988	21677	
	+	5	22442	69260		+	5	20115	11971
	-		232	69938		-		232	82798
42	.94309	50477	00032		52	.94361	62103	33648	
	+	5	22209	99322		+	5	19882	29173
	-		232	71227		-		232	84079
43	.94314	72686	99354		53	.94366	81985	62821	
	+	5	21977	28095		+	5	19649	45094
	-		232	72513		-		232	85361
44	.94319	94664	27449		54	.94372	01635	07915	
	+	5	21744	55582		+	5	19416	59733
	-		232	73801		-		232	86644
45	.94325	16408	83031		55	.94377	21051	67648	
	+	5	21511	81781		+	5	19183	73089
	-		232	75089		-		232	87924
46	.94330	37920	64812		56	.94382	40235	40737	
	+	5	21279	06692		+	5	18950	85165
	-		232	76374		-		232	89204
47	.94335	59199	71504		57	.94387	59186	25902	
	+	5	21046	30318		+	5	18717	95961
	-		232	77660		-		232	90486
48	.94340	80246	01822		58	.94392	77904	21863	
	+	5	20813	52658		+	5	18485	05475
	-		232	78944		-		232	91763
49	.94346	01059	54480		59	.94397	96389	27338	
	+	5	20580	73714		+	5	18252	13712
	-		232	80231		-		232	93043

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

78^c	Sine.				78^c	Sine.			
60'	.94403	14641	41050		70'	.94454	84349	50112	
	+	5	18019	20669		+	5	15689	20038
	-		232	94321		-		233	07071
61	.94408	32660	61719		71	.94460	00038	70150	
	+	5	17786	26348		+	5	15456	12967
	-		232	95599		-		233	08343
62	.94413	50446	88067		72	.94465	15494	83117	
	+	5	17553	30749		+	5	15223	04624
	-		232	96874		-		233	09613
63	.94418	68000	18816		73	.94470	30717	87741	
	+	5	17320	33875		+	5	14989	95011
	-		232	98153		-		233	10885
64	.94423	85320	52691		74	.94475	45707	82752	
	+	5	17087	35722		+	5	14756	84126
	-		232	99427		-		233	12155
65	.94429	02407	88413		75	.94480	60464	66878	
	+	5	16854	36295		+	5	14523	71971
	-		233	00704		-		233	13424
66	.94434	19262	24708		76	.94485	74988	38849	
	+	5	16621	35591		+	5	14290	58547
	-		233	01977		-		233	14693
67	.94439	35883	60299		77	.94490	89278	97396	
	+	5	16388	33614		+	5	14057	43854
	-		233	03252		-		233	15962
68	.94444	52271	93913		78	.94496	03336	41250	
	+	5	16155	30362		+	5	13824	27892
	-		233	04525		-		233	17229
69	.94449	68427	24275		79	.94501	17160	69142	
	+	5	15922	25837		+	5	13591	10663
	-		233	05799		-		233	18497

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

78^c	Sine.				78^c	Sine.			
80'	.94506	30751	79805		90'	.94557	53835	60306	
	+	5	13357	92166		+	5	11025	37628
	-		233	19763		-		233	32398
81	.94511	44109	71971		91	.94562	64860	97934	
	+	5	13124	72403		+	5	10792	05230
	-		233	21030		-		233	33659
82	.94516	57234	44374		92	.94567	75653	03164	
	+	5	12891	51373		+	5	10558	71571
	-		233	22295		-		233	34918
83	.94521	70125	95747		93	.94572	86211	74735	
	+	5	12658	29078		+	5	10325	36653
	-		233	23559		-		233	36178
84	.94526	82784	24825		94	.94577	96537	11388	
	+	5	12425	05519		+	5	10092	00475
	-		233	24825		-		233	37436
85	.94531	95209	30344		95	.94583	06629	11863	
	+	5	12191	80694		+	5	09858	63039
	-		233	26088		-		233	38694
86	.94537	07401	11038		96	.94588	16487	74902	
	+	5	11958	54606		+	5	09625	24345
	-		233	27351		-		233	39952
87	.94542	19359	65644		97	.94593	26112	99247	
	+	5	11725	27255		+	5	09391	84393
	-		233	28613		-		233	41208
88	.94547	31084	92899		98	.94598	35504	83640	
	+	5	11491	98642		+	5	09158	43185
	-		233	29877		-		233	42465
89	.94552	42576	91541		99	.94603	44663	26825	
	+	5	11258	68765		+	5	08925	00720
	-		233	31137		-		233	43720

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

79^c	Sine.			79^c	Sine.				
00'	.94608	53588	27545	10'	.94659	29997	23209		
	+	5	08691	57000		+	5	06356	50857
	-		233	44976		-		233	57496
01	.94613	62279	84545	11	.94664	36353	74066		
	+	5	08458	12024		+	5	06122	93361
	-		233	46231		-		233	58744
02	.94618	70737	96569	12	.94669	42476	67427		
	+	5	08224	65793		+	5	05889	34617
	-		233	47483		-		233	59993
03	.94623	78962	62362	13	.94674	48366	02044		
	+	5	07991	18310		+	5	05655	74624
	-		233	48738		-		233	61240
04	.94628	86953	80672	14	.94679	54021	76668		
	+	5	07757	69572		+	5	05422	13384
	-		233	49991		-		233	62487
05	.94633	94711	50244	15	.94684	59443	90052		
	+	5	07524	19581		+	5	05188	50897
	-		233	51242		-		233	63733
06	.94639	02235	69825	16	.94689	64632	40949		
	+	5	07290	68339		+	5	04954	87164
	-		233	52495		-		233	64980
07	.94644	09526	38164	17	.94694	69587	28113		
	+	5	07057	15844		+	5	04721	22184
	-		233	53745		-		233	66226
08	.94649	16583	54008	18	.94699	74308	50297		
	+	5	06823	62099		+	5	04487	55958
	-		233	54997		-		233	67469
09	.94654	23407	16107	19	.94704	78796	06255		
	+	5	06590	07102		+	5	04253	88489
	-		233	56245		-		233	68714

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

79°	Sine.			79°	Sine.		
20'	.94709	83049	94744	30'	.94760	12733	95360
	+ 5	04020	19775		+ 5	01682	64332
	-	233	69957		-	233	82363
21	.94714	87070	14519	31	.94765	14416	59692
	+ 5	03786	49818		+ 5	01448	81969
	-	233	71201		-	233	83599
22	.94719	90856	64337	32	.94770	15865	41661
	+ 5	03552	78617		+ 5	01214	98370
	-	233	72444		-	233	84835
23	.94724	94409	42954	33	.94775	17080	40031
	+ 5	03319	06173		+ 5	00981	13535
	-	233	73684		-	233	86073
24	.94729	97728	49127	34	.94780	18061	53566
	+ 5	03085	32489		+ 5	00747	27462
	-	233	74926		-	233	87308
25	.94735	00813	81616	35	.94785	18808	81028
	+ 5	02851	57563		+ 5	00513	40154
	-	233	76168		-	233	88542
26	.94740	03665	39179	36	.94790	19322	21182
	+ 5	02617	81395		+ 5	00279	51612
	-	233	77406		-	233	89778
27	.94745	06283	20574	37	.94795	19601	72794
	+ 5	02384	03989		+ 5	00045	61834
	-	233	78648		-	233	91010
28	.94750	08667	24563	38	.94800	19647	34628
	+ 5	02150	25341		+ 4	99811	70824
	-	233	79885		-	233	92244
29	.94755	10817	49904	39	.94805	19459	05452
	+ 5	01916	45456		+ 4	99577	78580
	-	233	81124		-	233	93477

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

79^c	Sine.				79^c	Sine.			
40'	.94810	19036	84032		50'	.94860	01946	25505	
	+	4	99343	85103		+	4	97003	82666
	-		233	94709		-		234	06998
41	.94815	18380	69135		51	.94864	98950	08171	
	+	4	99109	90394		+	4	96769	75668
	-		233	95940		-		234	08223
42	.94820	17490	59529		52	.94869	95719	83839	
	+	4	98875	94454		+	4	96535	67445
	-		233	97172		-		234	09449
43	.94825	16366	53983		53	.94874	92255	51284	
	+	4	98641	97282		+	4	96301	57996
	-		233	98401		-		234	10674
44	.94830	15008	51265		54	.94879	88557	09280	
	+	4	98407	98881		+	4	96067	47322
	-		233	99631		-		234	11897
45	.94835	13416	50146		55	.94884	84624	56602	
	+	4	98173	99250		+	4	95833	35425
	-		234	00861		-		234	13120
46	.94840	11590	49396		56	.94889	80457	92027	
	+	4	97939	98389		+	4	95599	22305
	-		234	02090		-		234	14345
47	.94845	09530	47785		57	.94894	76057	14332	
	+	4	97705	96299		+	4	95365	07960
	-		234	03316		-		234	15565
48	.94850	07236	44084		58	.94899	71422	22292	
	+	4	97471	92983		+	4	95130	92395
	-		234	04545		-		234	16787
49	.94855	04708	37067		59	.94904	66553	14687	
	+	4	97237	88438		+	4	94896	75608
	-		234	05772		-		234	18010

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

79^c	Sine.			79^c	Sine.				
60'	.94909	61449	90295	70'	.94958	97535	54694		
	+	4	94662	57598		+	4	92320	10478
	-		234	19228		-		234	31403
61	.94914	56112	47893	71	.94963	89855	65172		
	+	4	94428	38370		+	4	92085	79075
	-		234	20450		-		234	32617
62	.94919	50540	86263	72	.94968	81941	44247		
	+	4	94194	17920		+	4	91851	46458
	-		234	21668		-		234	33830
63	.94924	44735	04183	73	.94973	73792	90705		
	+	4	93959	96252		+	4	91617	12628
	-		234	22888		-		234	35043
64	.94929	38695	00435	74	.94978	65410	03333		
	+	4	93725	73364		+	4	91382	77585
	-		234	24105		-		234	36257
65	.94934	32420	73799	75	.94983	56792	80918		
	+	4	93491	49259		+	4	91148	41328
	-		234	25323		-		234	37467
66	.94939	25912	23058	76	.94988	47941	22246		
	+	4	93257	23936		+	4	90914	03861
	-		234	26541		-		234	38680
67	.94944	19169	46994	77	.94993	38855	26107		
	+	4	93022	97395		+	4	90679	65181
	-		234	27756		-		234	39889
68	.94949	12192	44389	78	.94998	29534	91288		
	+	4	92788	69639		+	4	90445	25292
	-		234	28973		-		234	41100
69	.94954	04981	14028	79	.95003	19980	16580		
	+	4	92554	40666		+	4	90210	84192
	-		234	30188		-		234	42310

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

79^c	Sine.				79^c	Sine.			
80'	.95008	10191	00772		90'	.95056	99404	16380	
	+	4	89976	41882		+	4	87631	52390
	-		234	43518		-		234	55577
81	.95013	00167	42654		91	.95061	87035	68770	
	+	4	89741	98364		+	4	87396	96813
	-		234	44727		-		234	56778
82	.95017	89909	41018		92	.95066	74432	65583	
	+	4	89507	53637		+	4	87162	40035
	-		234	45935		-		234	57981
83	.95022	79416	94655		93	.95071	61595	05618	
	+	4	89273	07702		+	4	86927	82054
	-		234	47141		-		234	59183
84	.95027	68690	02357		94	.95076	48522	87672	
	+	4	89038	60561		+	4	86693	22871
	-		234	48349		-		234	60383
85	.95032	57728	62918		95	.95081	35216	10543	
	+	4	88804	12212		+	4	86458	62488
	-		234	49555		-		234	61584
86	.95037	46532	75130		96	.95086	21674	73031	
	+	4	88569	62657		+	4	86224	00904
	-		234	50759		-		234	62782
87	.95042	35102	37787		97	.95091	07898	73935	
	+	4	88335	11898		+	4	85989	38122
	-		234	51966		-		234	63983
88	.95047	23437	49685		98	.95095	93888	12057	
	+	4	88100	59932		+	4	85754	74139
	-		234	53169		-		234	65181
89	.95052	11538	09617		99	.95100	79642	86196	
	+	4	87866	06763		+	4	85520	08958
	-		234	54373		-		234	66379

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

80^c	Sine.			80^c	Sine.		
00'	.95105	65162	95154	10'	.95154	07455	36515
	+	4	85285	42579		+	4
	-		234	67577		-	234
01	.95110	50448	37733	11	.95158	90393	49544
	+	4	85050	75002		+	4
	-		234	68772		-	234
02	.95115	35499	12735	12	.95163	73096	83055
	+	4	84816	06230		+	4
	-		234	69970		-	234
03	.95120	20315	18965	13	.95168	55565	35856
	+	4	84581	36260		+	4
	-		234	71164		-	234
04	.95125	04896	55225	14	.95173	37799	06757
	+	4	84346	65096		+	4
	-		234	72361		-	234
05	.95129	89243	20321	15	.95178	19797	94569
	+	4	84111	92735		+	4
	-		234	73554		-	234
06	.95134	73355	13056	16	.95183	01561	98101
	+	4	83877	19181		+	4
	-		234	74749		-	234
07	.95139	57232	32237	17	.95187	83091	16166
	+	4	83642	44432		+	4
	-		234	75942		-	234
08	.95144	40874	76669	18	.95192	64385	47575
	+	4	83407	68490		+	4
	-		234	77134		-	234
09	.95149	24282	45159	19	.95197	45444	91141
	+	4	83172	91356		+	4
	-		234	78327		-	234

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

80^c	Sine.				80^c	Sine.			
20'	.95202	26269	45677		30'	.95250	21593	33644	
	+	4	80589	64318		+	4	78239	97028
	-		234	91402		-		235	03229
21	.95207	06859	09995		31	.95254	99833	30672	
	+	4	80354	72916		+	4	78004	93799
	-		234	92587		-		235	04408
22	.95211	87213	82911		32	.95259	77838	24471	
	+	4	80119	80329		+	4	77769	89391
	-		234	93773		-		235	05588
23	.95216	67333	63240		33	.95264	55608	13862	
	+	4	79884	86556		+	4	77534	83803
	-		234	94957		-		235	06764
24	.95221	47218	49796		34	.95269	33142	97665	
	+	4	79649	91599		+	4	77299	77039
	-		234	96139		-		235	07943
25	.95226	26868	41395		35	.95274	10442	74704	
	+	4	79414	95460		+	4	77064	69096
	-		234	97323		-		235	09121
26	.95231	06283	36855		36	.95278	87507	43800	
	+	4	79179	98137		+	4	76829	59975
	-		234	98506		-		235	10296
27	.95235	85463	34992		37	.95283	64337	03775	
	+	4	78944	99631		+	4	76594	49679
	-		234	99686		-		235	11473
28	.95240	64408	34623		38	.95288	40931	53454	
	+	4	78709	99945		+	4	76359	38206
	-		235	00869		-		235	12647
29	.95245	43118	34568		39	.95293	17290	91660	
	+	4	78474	99076		+	4	76124	25559
	-		235	02048		-		235	13823

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

80^c	Sine.			80^c	Sine.				
40'	.95297	93415	17219	50'	.95345	41723	19001		
	+	4	75889	11736		+	4	73537	09023
	-		235	14998		-		235	26707
41	.95302	69304	28955	51	.95350	15260	28024		
	+	4	75653	96738		+	4	73301	82316
	-		235	16169		-		235	27875
42	.95307	44958	25693	52	.95354	88562	10340		
	+	4	75418	80569		+	4	73066	54441
	-		235	17345		-		235	29043
43	.95312	20377	06262	53	.95359	61628	64781		
	+	4	75183	63224		+	4	72831	25398
	-		235	18515		-		235	30208
44	.95316	95560	69486	54	.95364	34459	90179		
	+	4	74948	44709		+	4	72595	95190
	-		235	19688		-		235	31375
45	.95321	70509	14195	55	.95369	07055	85369		
	+	4	74713	25021		+	4	72360	63815
	-		235	20860		-		235	32540
46	.95326	45222	39216	56	.95373	79416	49184		
	+	4	74478	04161		+	4	72125	31275
	-		235	22030		-		235	33706
47	.95331	19700	43377	57	.95378	51541	80459		
	+	4	74242	82131		+	4	71889	97569
	-		235	23199		-		235	34870
48	.95335	93943	25508	58	.95383	23431	78028		
	+	4	74007	58932		+	4	71654	62699
	-		235	24371		-		235	36032
49	.95340	67950	84440	59	.95387	95086	40727		
	+	4	73772	34561		+	4	71419	26667
	-		235	25538		-		235	37198

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

80^c	Sine.			80^c	Sine.		
60'	.95392	66505	67394	70'	.95439	67750	96603
+ 4	71183	89469		+ 4	68829	53656	
- 235	38359			- 235	49954		
61	.95397	37689	56863	71	.95444	36580	50259
+ 4	70948	51110		+ 4	68594	03702	
- 235	39521			- 235	51108		
62	.95402	08638	07973	72	.95449	05174	53961
+ 4	70713	11589		+ 4	68358	52594	
- 235	40683			- 235	52266		
63	.95406	79351	19562	73	.95453	73533	06555
+ 4	70477	70906		+ 4	68123	00328	
- 235	41843			- 235	53420		
64	.95411	49828	90468	74	.95458	41656	06883
+ 4	70242	29063		+ 4	67887	46908	
- 235	43004			- 235	54575		
65	.95416	20071	19531	75	.95463	09543	53791
+ 4	70006	86059		+ 4	67651	92333	
- 235	44163			- 235	55728		
66	.95420	90078	05590	76	.95467	77195	46124
+ 4	69771	41896		+ 4	67416	36605	
- 235	45324			- 235	56882		
67	.95425	59849	47486	77	.95472	44611	82729
+ 4	69535	96572		+ 4	67180	79723	
- 235	46480			- 235	58034		
68	.95430	29385	44058	78	.95477	11792	62452
+ 4	69300	50092		+ 4	66945	21689	
- 235	47639			- 235	59187		
69	.95434	98685	94150	79	.95481	78737	84141
+ 4	69065	02453		+ 4	66709	62502	
- 235	48797			- 235	60338		

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

80^c	Sine.			80^c	Sine.				
80'	.95486	45447	46643	90'	.95532	99583	63339		
	+	4	66474	02164		+	4	64117	35574
	-		235	61490		-		235	72968
81	.95491	11921	48807	91	.95537	63700	98913		
	+	4	66238	40674		+	4	63881	62606
	-		235	62639		-		235	74111
82	.95495	78159	89481	92	.95542	27582	61519		
	+	4	66002	78035		+	4	63645	88495
	-		235	63790		-		235	75256
83	.95500	44162	67516	93	.95546	91228	50014		
	+	4	65767	14245		+	4	63410	13239
	-		235	64938		-		235	76399
84	.95505	09929	81761	94	.95551	54638	63253		
	+	4	65531	49307		+	4	63174	36840
	-		235	66088		-		235	77541
85	.95509	75461	31068	95	.95556	17813	00093		
	+	4	65295	83219		+	4	62938	59299
	-		235	67234		-		235	78685
86	.95514	40757	14287	96	.95560	80751	59392		
	+	4	65060	15985		+	4	62702	80614
	-		235	68384		-		235	79826
87	.95519	05817	30272	97	.95565	43454	40006		
	+	4	64824	47601		+	4	62467	00788
	-		235	69530		-		235	80966
88	.95523	70641	77873	98	.95570	05921	40794		
	+	4	64588	78071		+	4	62231	19822
	-		235	70676		-		235	82108
89	.95528	35230	55944	99	.95574	68152	60616		
	+	4	64353	07395		+	4	61995	37714
	-		235	71821		-		235	83247

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

81^c	Sine.				81^c	Sine.			
00'	.95579	30147	98330		10'	.95625	37129	09069	
	+	4	61759	54467		+	4	59400	59426
	-		235	84387		-		235	95748
01	.95583	91907	52797		11	.95629	96529	68495	
	+	4	61523	70080		+	4	59164	63678
	-		235	85525		-		235	96882
02	.95588	53431	22877		12	.95634	55694	32173	
	+	4	61287	84555		+	4	58928	66796
	-		235	86664		-		235	98013
03	.95593	14719	07432		13	.95639	14622	98969	
	+	4	61051	97891		+	4	58692	68783
	-		235	87801		-		235	99145
04	.95597	75771	05323		14	.95643	73315	67752	
	+	4	60816	10090		+	4	58456	69638
	-		235	88938		-		236	00276
05	.95602	36587	15413		15	.95648	31772	37390	
	+	4	60580	21152		+	4	58220	69362
	-		235	90075		-		236	01408
06	.95606	97167	36565		16	.95652	89993	06752	
	+	4	60344	31077		+	4	57984	67954
	-		235	91211		-		236	02536
07	.95611	57511	67642		17	.95657	47977	74706	
	+	4	60108	39866		+	4	57748	65418
	-		235	92345		-		236	03667
08	.95616	17620	07508		18	.95662	05726	40124	
	+	4	59872	47521		+	4	57512	61751
	-		235	93481		-		236	04796
09	.95620	77492	55029		19	.95666	63239	01875	
	+	4	59636	54040		+	4	57276	56955
	-		235	94614		-		236	05923

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

81^c	Sine.				81^c	Sine.			
20'	.95671	20515	58830		30'	.95716	80296	16708	
	+	4	57040	51032		+	4	54679	29868
	-		236	07051		-		236	18296
21	.95675	77556	09862		31	.95721	34975	46576	
	+	4	56804	43981		+	4	54443	11572
	-		236	08179		-		236	19418
22	.95680	34360	53843		32	.95725	89418	58148	
	+	4	56568	35802		+	4	54206	92154
	-		236	09304		-		236	20538
23	.95684	90928	89645		33	.95730	43625	50302	
	+	4	56332	26498		+	4	53970	71616
	-		236	10432		-		236	21658
24	.95689	47261	16143		34	.95734	97596	21918	
	+	4	56096	16066		+	4	53734	49958
	-		236	11556		-		236	22779
25	.95694	03357	32209		35	.95739	51330	71876	
	+	4	55860	04510		+	4	53498	27179
	-		236	12681		-		236	23896
26	.95698	59217	36719		36	.95744	04828	99055	
	+	4	55623	91829		+	4	53262	03283
	-		236	13806		-		236	25016
27	.95703	14841	28548		37	.95748	58091	02338	
	+	4	55387	78023		+	4	53025	78267
	-		236	14928		-		236	26133
28	.95707	70229	06571		38	.95753	11116	80605	
	+	4	55151	63095		+	4	52789	52134
	-		236	16053		-		236	27251
29	.95712	25380	69666		39	.95757	63906	32739	
	+	4	54915	47042		+	4	52553	24883
	-		236	17174		-		236	28366

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

81^c	Sine.				81^c	Sine.			
40'	.95762	16459	57622		50'	.95807	28994	62319	
	+	4	52316	96517		+	4	49953	51561
	-		236	29484		-		236	40612
41	.95766	68776	54139		51	.95811	78948	13880	
	+	4	52080	67033		+	4	49717	10949
	-		236	30597		-		236	41721
42	.95771	20857	21172		52	.95816	28665	24829	
	+	4	51844	36436		+	4	49480	69228
	-		236	31715		-		236	42831
43	.95775	72701	57608		53	.95820	78145	94057	
	+	4	51608	04721		+	4	49244	26397
	-		236	32827		-		236	43937
44	.95780	24309	62329		54	.95825	27390	20454	
	+	4	51371	71894		+	4	49007	82460
	-		236	33941		-		236	45048
45	.95784	75681	34223		55	.95829	76398	02914	
	+	4	51135	37953		+	4	48771	37412
	-		236	35055		-		236	46152
46	.95789	26816	72176		56	.95834	25169	40326	
	+	4	50899	02898		+	4	48534	91260
	-		236	36167		-		236	47262
47	.95793	77715	75074		57	.95838	73704	31586	
	+	4	50662	66731		+	4	48298	43998
	-		236	37278		-		236	48366
48	.95798	28378	41805		58	.95843	22002	75584	
	+	4	50426	29453		+	4	48061	95632
	-		236	38392		-		236	49472
49	.95802	78804	71258		59	.95847	70064	71216	
	+	4	50189	91061		+	4	47825	46160
	-		236	39500		-		236	50577

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

81^c	Sine.				81^c	Sine.			
60'	.95852	17890	17376		70'	.95896	83135	15202	
	+	4	47588	95583		+	4	45223	29167
	-		236	51682		-		236	62694
61	.95856	65479	12959		71	.95901	28358	44369	
	+	4	47352	43901		+	4	44986	66473
	-		236	52785		-		236	63790
62	.95861	12831	56860		72	.95905	73345	10842	
	+	4	47115	91116		+	4	44750	02683
	-		236	53889		-		236	64889
63	.95865	59947	47976		73	.95910	18095	13525	
	+	4	46879	37227		+	4	44513	37794
	-		236	54991		-		236	65986
64	.95870	06826	85203		74	.95914	62608	51319	
	+	4	46642	82236		+	4	44276	71808
	-		236	56093		-		236	67081
65	.95874	53469	67439		75	.95919	06885	23127	
	+	4	46406	26143		+	4	44040	04727
	-		236	57194		-		236	68177
66	.95878	99875	93582		76	.95923	50925	27854	
	+	4	46169	68949		+	4	43803	36550
	-		236	58296		-		236	69272
67	.95883	46045	62531		77	.95927	94728	64404	
	+	4	45933	10653		+	4	43566	67278
	-		236	59396		-		236	70368
68	.95887	91978	73184		78	.95932	38295	31682	
	+	4	45696	51257		+	4	43329	96910
	-		236	60496		-		236	71459
69	.95892	37675	24441		79	.95936	81625	28592	
	+	4	45459	90761		+	4	43093	25451
	-		236	61594		-		236	72555

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

81^c	Sine.				81^c	Sine.			
80'	.95941	24718	54043		90'	.95985	42629	37982	
	+	4	42856	52896		+	4	40488	67355
	-		236	73646		-		236	84540
81	.95945	67575	06939		91	.95989	83118	05337	
	+	4	42619	79250		+	4	40251	82815
	-		236	74738		-		236	85629
82	.95950	10194	86189		92	.95994	23369	88152	
	+	4	42383	04512		+	4	40014	97186
	-		236	75831		-		236	86713
83	.95954	52577	90701		93	.95998	63384	85338	
	+	4	42146	28681		+	4	39778	10473
	-		236	76921		-		236	87798
84	.95958	94724	19382		94	.96003	03162	95811	
	+	4	41909	51760		+	4	39541	22675
	-		236	78012		-		236	88883
85	.95963	36633	71142		95	.96007	42704	18486	
	+	4	41672	73748		+	4	39304	33792
	-		236	79101		-		236	89968
86	.95967	78306	44890		96	.96011	82008	52278	
	+	4	41435	94647		+	4	39067	43824
	-		236	80190		-		236	91050
87	.95972	19742	39537		97	.96016	21075	96102	
	+	4	41199	14457		+	4	38830	52774
	-		236	81280		-		236	92133
88	.95976	60941	53994		98	.96020	59906	48876	
	+	4	40962	33177		+	4	38593	60641
	-		236	82366		-		236	93215
89	.95981	01903	87171		99	.96024	98500	09517	
	+	4	40725	50811		+	4	38356	67426
	-		236	83456		-		236	94297

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

82^c	Sine.				82^c	Sine.			
00'	.96029	36856	76943		10'	.96073	07389	86695	
	+	4	38119	73129		+	4	35749	70800
	-		236	95378		-		237	06156
01	.96033	74976	50072		11	.96077	43139	57495	
	+	4	37882	77751		+	4	35512	64644
	-		236	96459		-		237	07230
02	.96038	12859	27823		12	.96081	78652	22139	
	+	4	37645	81292		+	4	35275	57414
	-		236	97537		-		237	08305
03	.96042	50505	09115		13	.96086	13927	79553	
	+	4	37408	83755		+	4	35038	49109
	-		236	98619		-		237	09378
04	.96046	87913	92870		14	.96090	48966	28662	
	+	4	37171	85136		+	4	34801	39731
	-		236	99695		-		237	10450
05	.96051	25085	78006		15	.96094	83767	68393	
	+	4	36934	85441		+	4	34564	29281
	-		237	00775		-		237	11524
06	.96055	62020	63447		16	.96099	18331	97674	
	+	4	36697	84666		+	4	34327	17757
	-		237	01851		-		237	12594
07	.96059	98718	48113		17	.96103	52659	15431	
	+	4	36460	82815		+	4	34090	05163
	-		237	02929		-		237	13666
08	.96064	35179	30928		18	.96107	86749	20594	
	+	4	36223	79886		+	4	33852	91497
	-		237	04005		-		237	14736
09	.96068	71403	10814		19	.96112	20602	12091	
	+	4	35986	75881		+	4	33615	76761
	-		237	05081		-		237	15806

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

82^c	Sine.				82^c	Sine.			
20'	.96116	54217	88852		30'	.96159	77330	10877	
	+	4	33378	60955		+	4	31006	44177
	-		237	16876		-		237	27536
21	.96120	87596	49807		31	.96164	08336	55054	
	+	4	33141	44079		+	4	30769	16641
	-		237	17944		-		237	28599
22	.96125	20737	93886		32	.96168	39105	71695	
	+	4	32904	26135		+	4	30531	88042
	-		237	19013		-		237	29663
23	.96129	53642	20021		33	.96172	69637	59737	
	+	4	32667	07122		+	4	30294	58379
	-		237	20079		-		237	30722
24	.96133	86309	27143		34	.96176	99932	18116	
	+	4	32429	87043		+	4	30057	27657
	-		237	21147		-		237	31785
25	.96138	18739	14186		35	.96181	29989	45773	
	+	4	32192	65896		+	4	29819	95872
	-		237	22214		-		237	32845
26	.96142	50931	80082		36	.96185	59809	41645	
	+	4	31955	43682		+	4	29582	63027
	-		237	23278		-		237	33905
27	.96146	82887	23764		37	.96189	89392	04672	
	+	4	31718	20404		+	4	29345	29122
	-		237	24345		-		237	34965
28	.96151	14605	44168		38	.96194	18737	33794	
	+	4	31480	96059		+	4	29107	94157
	-		237	25409		-		237	36022
29	.96155	46086	40227		39	.96198	47845	27951	
	+	4	31243	70650		+	4	28870	58135
	-		237	26473		-		237	37082

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

82^c	Sine.			82^c	Sine.				
40'	.96202	76715	86086	50'	.96245	52364	53647		
	+	4	28633	21053		+	4	26258	92169
	-		237	38139		-		237	48684
41	.96207	05349	07139	51	.96249	78623	45816		
	+	4	28395	82914		+	4	26021	43485
	-		237	39195		-		237	49733
42	.96211	33744	90053	52	.96254	04644	89301		
	+	4	28158	43719		+	4	25783	93752
	-		237	40253		-		237	50785
43	.96215	61903	33772	53	.96258	30428	83053		
	+	4	27921	03466		+	4	25546	42967
	-		237	41308		-		237	51835
44	.96219	89824	37238	54	.96262	55975	26020		
	+	4	27683	62158		+	4	25308	91132
	-		237	42364		-		237	52883
45	.96224	17507	99396	55	.96266	81284	17152		
	+	4	27446	19794		+	4	25071	38249
	-		237	43418		-		237	53934
46	.96228	44954	19190	56	.96271	06355	55401		
	+	4	27208	76376		+	4	24833	84315
	-		237	44472		-		237	54980
47	.96232	72162	95566	57	.96275	31189	39716		
	+	4	26971	31904		+	4	24596	29335
	-		237	45526		-		237	56029
48	.96236	99134	27470	58	.96279	55785	69051		
	+	4	26733	86378		+	4	24358	73306
	-		237	46579		-		237	57075
49	.96241	25868	13848	59	.96283	80144	42357		
	+	4	26496	39799		+	4	24121	16231
	-		237	47630		-		237	58123

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

82^c	Sine.				82^c	Sine.			
60'	.96288	04265	58588		70'	.96330	32408	51792	
	+	4	23883	58108		+	4	21507	19460
	-		237	59168		-		237	69596
61	.96292	28149	16696		71	.96334	53915	71252	
	+	4	23645	98940		+	4	21269	49864
	-		237	60213		-		237	70634
62	.96296	51795	15636		72	.96338	75185	21116	
	+	4	23408	38727		+	4	21031	79230
	-		237	61259		-		237	71673
63	.96300	75203	54363		73	.96342	96217	00346	
	+	4	23170	77468		+	4	20794	07557
	-		237	62301		-		237	72711
64	.96304	98374	31831		74	.96347	17011	07903	
	+	4	22933	15167		+	4	20556	34846
	-		237	63347		-		237	73749
65	.96309	21307	46998		75	.96351	37567	42749	
	+	4	22695	51820		+	4	20318	61097
	-		237	64388		-		237	74787
66	.96313	44002	98818		76	.96355	57886	03846	
	+	4	22457	87432		+	4	20080	86310
	-		237	65431		-		237	75822
67	.96317	66460	86250		77	.96359	77966	90156	
	+	4	22220	22001		+	4	19843	10488
	-		237	66473		-		237	76858
68	.96321	88681	08251		78	.96363	97810	00644	
	+	4	21982	55528		+	4	19605	33630
	-		237	67515		-		237	77894
69	.96326	10663	63779		79	.96368	17415	34274	
	+	4	21744	88013		+	4	19367	55736
	-		237	68553		-		237	78929

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

82^c	Sine.				82^c	Sine.			
80'	.96372	36782	90010		90'	.96414	17378	35852	
	+	4	19129	76807		+	4	16751	30739
	-		237	79963		-		237	90272
81	.96376	55912	66817		91	.96418	34129	66591	
	+	4	18891	96844		+	4	16513	40467
	-		237	80996		-		237	91300
82	.96380	74804	63661		92	.96422	50643	07058	
	+	4	18654	15848		+	4	16275	49167
	-		237	82029		-		237	92326
83	.96384	93458	79509		93	.96426	66918	56225	
	+	4	18416	33819		+	4	16037	56841
	-		237	83062		-		237	93354
84	.96389	11875	13328		94	.96430	82956	13066	
	+	4	18178	50757		+	4	15799	63487
	-		237	84093		-		237	94380
85	.96393	30053	64085		95	.96434	98755	76553	
	+	4	17940	66664		+	4	15561	69107
	-		237	85126		-		237	95404
86	.96397	47994	30749		96	.96439	14317	45660	
	+	4	17702	81538		+	4	15323	73703
	-		237	86154		-		237	96430
87	.96401	65697	12287		97	.96443	29641	19363	
	+	4	17464	95384		+	4	15085	77273
	-		237	87186		-		237	97453
88	.96405	83162	07671		98	.96447	44726	96636	
	+	4	17227	08198		+	4	14847	79820
	-		237	88215		-		237	98478
89	.96410	00389	15869		99	.96451	59574	76456	
	+	4	16989	19983		+	4	14609	81342
	-		237	89244		-		237	99500

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

83^c	Sine.			83^c	Sine.				
00'	.96455	74184	57798	10'	.96497	07191	30198		
	+	4	14371	81842		+	4	11991	30703
	-		238	00523		-		238	10715
01	.96459	88556	39640	11	.96501	19182	60901		
	+	4	14133	81319		+	4	11753	19988
	-		238	01544		-		238	11731
02	.96464	02690	20959	12	.96505	30935	80889		
	+	4	13895	79775		+	4	11515	08257
	-		238	02566		-		238	12745
03	.96468	16586	00734	13	.96509	42450	89146		
	+	4	13657	77209		+	4	11276	95512
	-		238	03587		-		238	13762
04	.96472	30243	77943	14	.96513	53727	84658		
	+	4	13419	73622		+	4	11038	81750
	-		238	04606		-		238	14774
05	.96476	43663	51565	15	.96517	64766	66408		
	+	4	13181	69016		+	4	10800	66976
	-		238	05626		-		238	15789
06	.96480	56845	20581	16	.96521	75567	33384		
	+	4	12943	63390		+	4	10562	51187
	-		238	06645		-		238	16801
07	.96484	69788	83971	17	.96525	86129	84571		
	+	4	12705	56745		+	4	10324	34386
	-		238	07663		-		238	17815
08	.96488	82494	40716	18	.96529	96454	18957		
	+	4	12467	49082		+	4	10086	16571
	-		238	08682		-		238	18825
09	.96492	94961	89798	19	.96534	06540	35528		
	+	4	12229	40400		+	4	09847	97746
	-		238	09697		-		238	19838

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

83 ^c	Sine.				83 ^c	Sine.			
20'	.96538	16388	33274		30'	.96579	01765	53121	
	+	4	09609	77908		+	4	07227	24048
	-		238	20847		-		238	30923
21	.96542	25998	11182		31	.96583	08992	77169	
	+	4	09371	57061		+	4	06988	93125
	-		238	21858		-		238	31926
22	.96546	35369	68243		32	.96587	15981	70294	
	+	4	09133	35203		+	4	06750	61199
	-		238	22868		-		238	32931
23	.96550	44503	03446		33	.96591	22732	31493	
	+	4	08895	12335		+	4	06512	28268
	-		238	23875		-		238	33932
24	.96554	53398	15781		34	.96595	29244	59761	
	+	4	08656	88460		+	4	06273	94336
	-		238	24886		-		238	34936
25	.96558	62055	04241		35	.96599	35518	54097	
	+	4	08418	63574		+	4	06035	59400
	-		238	25892		-		238	35937
26	.96562	70473	67815		36	.96603	41554	13497	
	+	4	08180	37682		+	4	05797	23463
	-		238	26899		-		238	36939
27	.96566	78654	05497		37	.96607	47351	36960	
	+	4	07942	10783		+	4	05558	86524
	-		238	27906		-		238	37939
28	.96570	86596	16280		38	.96611	52910	23484	
	+	4	07703	82877		+	4	05320	48585
	-		238	28913		-		238	38939
29	.96574	94299	99157		39	.96615	58230	72069	
	+	4	07465	53964		+	4	05082	09646
	-		238	29916		-		238	39940

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

83^c	Sine.			83^c	Sine.				
40'	.96619	63312	81715	50'	.96660	01020	16907		
	+	4	04843	69706		+	4	02459	15475
	-		238	40937		-		238	50894
41	.96623	68156	51421	51	.96664	03479	32382		
	+	4	04605	28769		+	4	02220	64581
	-		238	41936		-		238	51887
42	.96627	72761	80190	52	.96668	05699	96963		
	+	4	04366	86833		+	4	01982	12694
	-		238	42934		-		238	52880
43	.96631	77128	67023	53	.96672	07682	09657		
	+	4	04128	43899		+	4	01743	59814
	-		238	43930		-		238	53869
44	.96635	81257	10922	54	.96676	09425	69471		
	+	4	03889	99969		+	4	01505	05945
	-		238	44929		-		238	54861
45	.96639	85147	10891	55	.96680	10930	75416		
	+	4	03651	55040		+	4	01266	51084
	-		238	45923		-		238	55851
46	.96643	88798	65931	56	.96684	12197	26500		
	+	4	03413	09117		+	4	01027	95233
	-		238	46919		-		238	56840
47	.96647	92211	75048	57	.96688	13225	21733		
	+	4	03174	62198		+	4	00789	38393
	-		238	47913		-		238	57830
48	.96651	95386	37246	58	.96692	14014	60126		
	+	4	02936	14285		+	4	00550	80563
	-		238	48909		-		238	58817
49	.96655	98322	51531	59	.96696	14565	40689		
	+	4	02697	65376		+	4	00312	21746
	-		238	49901		-		238	59805

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

83^c	Sine.				83^c	Sine.			
60'	.96700	14877	62435		70'	.96740	04875	27919	
	+	4	00073	61941		+	3	97687	09691
	-		238	60793		-		238	70630
61	.96704	14951	24376		71	.96744	02562	37610	
	+	3	99835	01148		+	3	97448	39061
	-		238	61779		-		238	71613
62	.96708	14786	25524		72	.96748	00010	76671	
	+	3	99596	39369		+	3	97209	67448
	-		238	62765		-		238	72592
63	.96712	14382	64893		73	.96751	97220	44119	
	+	3	99357	76604		+	3	96970	94856
	-		238	63750		-		238	73571
64	.96716	13740	41497		74	.96755	94191	38975	
	+	3	99119	12854		+	3	96732	21285
	-		238	64735		-		238	74551
65	.96720	12859	54351		75	.96759	90923	60260	
	+	3	98880	48119		+	3	96493	46734
	-		238	65720		-		238	75530
66	.96724	11740	02470		76	.96763	87417	06994	
	+	3	98641	82399		+	3	96254	71204
	-		238	66702		-		238	76505
67	.96728	10381	84869		77	.96767	83671	78198	
	+	3	98403	15697		+	3	96015	94699
	-		238	67687		-		238	77485
68	.96732	08785	00566		78	.96771	79687	72897	
	+	3	98164	48010		+	3	95777	17214
	-		238	68667		-		238	78460
69	.96736	06949	48576		79	.96775	75464	90111	
	+	3	97925	79343		+	3	95538	38754
	-		238	69652		-		238	79436

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

83^c	Sine.				83^c	Sine.			
80'	.96779	71003	28865		90'	.96819	13251	86673	
	+	3	95299	59318		+	3	92911	11408
	-		238	80411		-		238	90133
81	.96783	66302	88183		91	.96823	06162	98081	
	+	3	95060	78907		+	3	92672	21275
	-		238	81387		-		238	91102
82	.96787	61363	67090		92	.96826	98835	19356	
	+	3	94821	97520		+	3	92433	30173
	-		238	82361		-		238	92070
83	.96791	56185	64610		93	.96830	91268	49529	
	+	3	94583	15159		+	3	92194	38103
	-		238	83334		-		238	93037
84	.96795	50768	79769		94	.96834	83462	87632	
	+	3	94344	31825		+	3	91955	45066
	-		238	84307		-		238	94006
85	.96799	45113	11594		95	.96838	75418	32698	
	+	3	94105	47518		+	3	91716	51060
	-		238	85279		-		238	94970
86	.96803	39218	59112		96	.96842	67134	83758	
	+	3	93866	62239		+	3	91477	56090
	-		238	86252		-		238	95938
87	.96807	33085	21351		97	.96846	58612	39848	
	+	3	93627	75987		+	3	91238	60152
	-		238	87223		-		238	96903
88	.96811	26712	97338		98	.96850	49851	00000	
	+	3	93388	88764		+	3	90999	63249
	-		238	88193		-		238	97867
89	.96815	20101	86102		99	.96854	40850	63249	
	+	3	93150	00571		+	3	90760	65382
	-		238	89163		-		238	98831

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

84^c	Sine.				84^c	Sine.			
00'	.96858	31611	28631		10'	.96897	26071	87923	
	+	3	90521	66551		+	3	88131	25336
	-		238	99796		-		239	09398
01	.96862	22132	95182		11	.96901	14203	13259	
	+	3	90282	66755		+	3	87892	15938
	-		239	00758		-		239	10356
02	.96866	12415	61937		12	.96905	02095	29197	
	+	3	90043	65997		+	3	87653	05582
	-		239	01720		-		239	11312
03	.96870	02459	27934		13	.96908	89748	34779	
	+	3	89804	64277		+	3	87413	94270
	-		239	02682		-		239	12268
04	.96873	92263	92211		14	.96912	77162	29049	
	+	3	89565	61595		+	3	87174	82002
	-		239	03644		-		239	13223
05	.96877	81829	53806		15	.96916	64337	11051	
	+	3	89326	57951		+	3	86935	68779
	-		239	04604		-		239	14177
06	.96881	71156	11757		16	.96920	51272	79830	
	+	3	89087	53347		+	3	86696	54602
	-		239	05564		-		239	15133
07	.96885	60243	65104		17	.96924	37969	34432	
	+	3	88848	47783		+	3	86457	39469
	-		239	06524		-		239	16086
08	.96889	49092	12887		18	.96928	24426	73901	
	+	3	88609	41259		+	3	86218	23383
	-		239	07482		-		239	17038
09	.96893	37701	54146		19	.96932	10644	97284	
	+	3	88370	33777		+	3	85979	06345
	-		239	08441		-		239	17991

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

84°	Sine.			84°	Sine.				
20'	.96935	96624	03629	30'	.96974	43258	20730		
	+	3	85739	88354		+	3	83347	56194
	-		239	18942		-		239	28427
21	.96939	82363	91983	31	.96978	26605	76924		
	+	3	85500	69412		+	3	83108	27767
	-		239	19895		-		239	29374
22	.96943	67864	61395	32	.96982	09714	04691		
	+	3	85261	49517		+	3	82868	98393
	-		239	20844		-		239	30318
23	.96947	53126	10912	33	.96985	92583	03084		
	+	3	85022	28673		+	3	82629	68075
	-		239	21794		-		239	31261
24	.96951	38148	39585	34	.96989	75212	71159		
	+	3	84783	06879		+	3	82390	36814
	-		239	22745		-		239	32207
25	.96955	22931	46464	35	.96993	57603	07973		
	+	3	84543	84134		+	3	82151	04607
	-		239	23692		-		239	33147
26	.96959	07475	30598	36	.96997	39754	12580		
	+	3	84304	60442		+	3	81911	71460
	-		239	24641		-		239	34092
27	.96962	91779	91040	37	.97001	21665	84040		
	+	3	84065	35801		+	3	81672	37368
	-		239	25589		-		239	35032
28	.96966	75845	26841	38	.97005	03338	21408		
	+	3	83826	10212		+	3	81433	02336
	-		239	26535		-		239	35974
29	.96970	59671	37053	39	.97008	84771	23744		
	+	3	83586	83677		+	3	81193	66362
	-		239	27483		-		239	36914

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

84^c	Sine.			84^c	Sine.				
40'	.97012	65964	90106	50'	.97050	64734	68542		
	+	3	80954	29448		+	3	78560	08705
	-		239	37855		-		239	47222
41	.97016	46919	19554	51	.97054	43294	77247		
	+	3	80714	91593		+	3	78320	61483
	-		239	38793		-		239	48155
42	.97020	27634	11147	52	.97058	21615	38730		
	+	3	80475	52800		+	3	78081	13328
	-		239	39732		-		239	49088
43	.97024	08109	63947	53	.97061	99696	52058		
	+	3	80236	13068		+	3	77841	64240
	-		239	40671		-		239	50019
44	.97027	88345	77015	54	.97065	77538	16298		
	+	3	79996	72397		+	3	77602	14221
	-		239	41608		-		239	50953
45	.97031	68342	49412	55	.97069	55140	30519		
	+	3	79757	30789		+	3	77362	63268
	-		239	42546		-		239	51882
46	.97035	48099	80201	56	.97073	32502	93787		
	+	3	79517	88243		+	3	77123	11386
	-		239	43481		-		239	52814
47	.97039	27617	68444	57	.97077	09626	05173		
	+	3	79278	44762		+	3	76883	58572
	-		239	44417		-		239	53742
48	.97043	06896	13206	58	.97080	86509	63745		
	+	3	79039	00345		+	3	76644	04830
	-		239	45354		-		239	54674
49	.97046	85935	13551	59	.97084	63153	68575		
	+	3	78799	54991		+	3	76404	50156
	-		239	46286		-		239	55601

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

84^c	Sine.				84^c	Sine.			
60'	.97088	39558	18731		70'	.97125	90426	09271	
	+	3	76164	94555		+	3	73768	87591
	-		239	56529		-		239	65779
61	.97092	15723	13286		71	.97129	64194	96862	
	+	3	75925	38026		+	3	73529	21812
	-		239	57458		-		239	66699
62	.97095	91648	51312		72	.97133	37724	18674	
	+	3	75685	80568		+	3	73289	55113
	-		239	58383		-		239	67622
63	.97099	67334	31880		73	.97137	11013	73787	
	+	3	75446	22185		+	3	73049	87491
	-		239	59311		-		239	68542
64	.97103	42780	54065		74	.97140	84063	61278	
	+	3	75206	62874		+	3	72810	18949
	-		239	60236		-		239	69461
65	.97107	17987	16939		75	.97144	56873	80227	
	+	3	74967	02638		+	3	72570	49488
	-		239	61162		-		239	70381
66	.97110	92954	19577		76	.97148	29444	29715	
	+	3	74727	41476		+	3	72330	79107
	-		239	62085		-		239	71300
67	.97114	67681	61053		77	.97152	01775	08822	
	+	3	74487	79391		+	3	72091	07807
	-		239	63011		-		239	72217
68	.97118	42169	40444		78	.97155	73866	16629	
	+	3	74248	16380		+	3	71851	35590
	-		239	63933		-		239	73135
69	.97122	16417	56824		79	.97159	45717	52219	
	+	3	74008	52447		+	3	71611	62455
	-		239	64856		-		239	74052

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

84^c	Sine.				84^c	Sine.			
80'	.97163	17329	14674		90'	.97200	20258	15363	
	+ 3	71371	88403			+ 3	68973	97582	
	-	239	74969			-	239	84099	
81	.97166	88701	03077		91	.97203	89232	12945	
	+ 3	71132	13434			+ 3	68734	13483	
	-	239	75884			-	239	85008	
82	.97170	59833	16511		92	.97207	57966	26428	
	+ 3	70892	37550			+ 3	68494	28475	
	-	239	76798			-	239	85919	
83	.97174	30725	54061		93	.97211	26460	54903	
	+ 3	70652	60752			+ 3	68254	42556	
	-	239	77715			-	239	86826	
84	.97178	01378	14813		94	.97214	94714	97459	
	+ 3	70412	83037			+ 3	68014	55730	
	-	239	78627			-	239	87735	
85	.97181	71790	97850		95	.97218	62729	53189	
	+ 3	70173	04410			+ 3	67774	67995	
	-	239	79542			-	239	88642	
86	.97185	41964	02260		96	.97222	30504	21184	
	+ 3	69933	24868			+ 3	67534	79353	
	-	239	80453			-	239	89549	
87	.97189	11897	27128		97	.97225	98039	00537	
	+ 3	69693	44415			+ 3	67294	89804	
	-	239	81366			-	239	90456	
88	.97192	81590	71543		98	.97229	65333	90341	
	+ 3	69453	63049			+ 3	67054	99348	
	-	239	82278			-	239	91360	
89	.97196	51044	34592		99	.97233	32388	89689	
	+ 3	69213	80771			+ 3	66815	07988	
	-	239	83189			-	239	92267	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

85^c	Sine.			85^c	Sine.		
00'	.97236	99203	97677	10'	.97273	54157	53872
	+ 3	66575	15721		+ 3	64175	43412
	-	239	93170		-	240	02183
01	.97240	65779	13398	11	.97277	18332	97284
	+ 3	66335	22551		+ 3	63935	41229
	-	239	94075		-	240	03081
02	.97244	32114	35949	12	.97280	82268	38513
	+ 3	66095	28476		+ 3	63695	38148
	-	239	94977		-	240	03979
03	.97247	98209	64425	13	.97284	45963	76661
	+ 3	65855	33499		+ 3	63455	34169
	-	239	95881		-	240	04874
04	.97251	64064	97924	14	.97288	09419	10830
	+ 3	65615	37618		+ 3	63215	29295
	-	239	96782		-	240	05772
05	.97255	29680	35542	15	.97291	72634	40125
	+ 3	65375	40836		+ 3	62975	23523
	-	239	97685		-	240	06666
06	.97258	95055	76378	16	.97295	35609	63648
	+ 3	65135	43151		+ 3	62735	16857
	-	239	98585		-	240	07562
07	.97262	60191	19529	17	.97298	98344	80505
	+ 3	64895	44566		+ 3	62495	09295
	-	239	99485		-	240	08457
08	.97266	25086	64095	18	.97302	60839	89800
	+ 3	64655	45081		+ 3	62255	00838
	-	240	00385		-	240	09349
09	.97269	89742	09176	19	.97306	23094	90638
	+ 3	64415	44696		+ 3	62014	91489
	-	240	01284		-	240	10244

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

85^c	Sine.			85^c	Sine.				
20'	.97309	85109	82127	30'	.97345	92051	86538		
	+	3	61774	81245		+	3	59373	29814
	-		240	11136		-	240	20029	
21	.97313	46884	63372	31	.97349	51425	16352		
	+	3	61534	70109		+	3	59133	09785
	-		240	12028		-	240	20917	
22	.97317	08419	33481	32	.97353	10558	26137		
	+	3	61294	58081		+	3	58892	88868
	-		240	12919		-	240	21801	
23	.97320	69713	91562	33	.97356	69451	15005		
	+	3	61054	45162		+	3	58652	67067
	-		240	13811		-	240	22686	
24	.97324	30768	36724	34	.97360	28103	82072		
	+	3	60814	31351		+	3	58412	44381
	-		240	14700		-	240	23571	
25	.97327	91582	68075	35	.97363	86516	26453		
	+	3	60574	16651		+	3	58172	20810
	-		240	15591		-	240	24455	
26	.97331	52156	84726	36	.97367	44688	47263		
	+	3	60334	01060		+	3	57931	96355
	-		240	16479		-	240	25337	
27	.97335	12490	85786	37	.97371	02620	43618		
	+	3	60093	84581		+	3	57691	71018
	-		240	17368		-	240	26220	
28	.97338	72584	70367	38	.97374	60312	14636		
	+	3	59853	67213		+	3	57451	44798
	-		240	18255		-	240	27103	
29	.97342	32438	37580	39	.97378	17763	59434		
	+	3	59613	48958		+	3	57211	17695
	-		240	19144		-	240	27983	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

85^c	Sine.			85^c	Sine.				
40'	.97381	74974	77129	50'	.97417	33869	69849		
	+	3	56970	89712		+	3	54567	61530
	-		240	28865		-		240	37639
41	.97385	31945	66841	51	.97420	88437	31379		
	+	3	56730	60847		+	3	54327	23891
	-		240	29744		-		240	38515
42	.97388	88676	27688	52	.97424	42764	55270		
	+	3	56490	31103		+	3	54086	85376
	-		240	30625		-		240	39387
43	.97392	45166	58791	53	.97427	96851	40646		
	+	3	56250	00478		+	3	53846	45989
	-		240	31502		-		240	40261
44	.97396	01416	59269	54	.97431	50697	86635		
	+	3	56009	68976		+	3	53606	05728
	-		240	32383		-		240	41133
45	.97399	57426	28245	55	.97435	04303	92363		
	+	3	55769	36593		+	3	53365	64595
	-		240	33258		-		240	42005
46	.97403	13195	64838	56	.97438	57669	56958		
	+	3	55529	03335		+	3	53125	22590
	-		240	34138		-		240	42876
47	.97406	68724	68173	57	.97442	10794	79548		
	+	3	55288	69197		+	3	52884	79714
	-		240	35013		-		240	43748
48	.97410	24013	37370	58	.97445	63679	59262		
	+	3	55048	34184		+	3	52644	35966
	-		240	35889		-		240	44617
49	.97413	79061	71554	59	.97449	16323	95228		
	+	3	54807	98295		+	3	52403	91349
	-		240	36765		-		240	45486

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

85^c	Sine.				85^c	Sine.			
60'	.97452	68727	86577		70'	.97487	79540	55121	
	+	3	52163	45863		+	3	49758	43302
	-		240	46357		-		240	55012
61	.97456	20891	32440		71	.97491	29298	98423	
	+	3	51922	99506		+	3	49517	88290
	-		240	47223		-		240	55875
62	.97459	72814	31946		72	.97494	78816	86713	
	+	3	51682	52283		+	3	49277	32415
	-		240	48092		-		240	56737
63	.97463	24496	84229		73	.97498	28094	19128	
	+	3	51442	04191		+	3	49036	75678
	-		240	48959		-		240	57597
64	.97466	75938	88420		74	.97501	77130	94806	
	+	3	51201	55232		+	3	48796	18081
	-		240	49825		-		240	58459
65	.97470	27140	43652		75	.97505	25927	12887	
	+	3	50961	05407		+	3	48555	59622
	-		240	50692		-		240	59318
66	.97473	78101	49059		76	.97508	74482	72509	
	+	3	50720	54715		+	3	48315	00304
	-		240	51556		-		240	60178
67	.97477	28822	03774		77	.97512	22797	72813	
	+	3	50480	03159		+	3	48074	40126
	-		240	52422		-		240	61036
68	.97480	79302	06933		78	.97515	70872	12939	
	+	3	50239	50737		+	3	47833	79090
	-		240	53286		-		240	61896
69	.97484	29541	57670		79	.97519	18705	92029	
	+	3	49998	97451		+	3	47593	17194
	-		240	54149		-		240	62752

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

85^c	Sine.				85^c	Sine.			
80'	.97522	66299	09223		90'	.97557	28994	88561	
	+ 3	47352	54442			+ 3	44945	79876	
	-	240	63609			-	240	72147	
81	.97526	13651	63665		91	.97560	73940	68437	
	+ 3	47111	90833			+ 3	44705	07729	
	-	240	64467			-	240	72998	
82	.97529	60763	54498		92	.97564	18645	76166	
	+ 3	46871	26366			+ 3	44464	34731	
	-	240	65321			-	240	73848	
83	.97533	07634	80864		93	.97567	63110	10897	
	+ 3	46630	61045			+ 3	44223	60883	
	-	240	66178			-	240	74698	
84	.97536	54265	41909		94	.97571	07333	71780	
	+ 3	46389	94867			+ 3	43982	86185	
	-	240	67032			-	240	75546	
85	.97540	00655	36776		95	.97574	51316	57965	
	+ 3	46149	27835			+ 3	43742	10639	
	-	240	67885			-	240	76393	
86	.97543	46804	64611		96	.97577	95058	68604	
	+ 3	45908	59950			+ 3	43501	34246	
	-	240	68741			-	240	77243	
87	.97546	92713	24561		97	.97581	38560	02850	
	+ 3	45667	91209			+ 3	43260	57003	
	-	240	69591			-	240	78088	
88	.97550	38381	15770		98	.97584	81820	59853	
	+ 3	45427	21618			+ 3	43019	78915	
	-	240	70445			-	240	78936	
89	.97553	83808	37388		99	.97588	24840	38768	
	+ 3	45186	51173			+ 3	42778	99979	
	-	240	71297			-	240	79780	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

86^c	Sine.			86^c	Sine.		
00'	.97591	67619	38747	10'	.97625	82164	11337
	+ 3	42538	20199		+ 3	40129	76003
	-	240	80626		-	240	89045
01	.97595	10157	58946	11	.97629	22293	87340
	+ 3	42297	39573		+ 3	39888	86958
	-	240	81471		-	240	89884
02	.97598	52454	98519	12	.97632	62182	74298
	+ 3	42056	58102		+ 3	39647	97074
	-	240	82315		-	240	90721
03	.97601	94511	56621	13	.97636	01830	71372
	+ 3	41815	75787		+ 3	39407	06353
	-	240	83157		-	240	91560
04	.97605	36327	32408	14	.97639	41237	77725
	+ 3	41574	92630		+ 3	39166	14793
	-	240	84002		-	240	92396
05	.97608	77902	25038	15	.97642	80403	92518
	+ 3	41334	08628		+ 3	38925	22397
	-	240	84842		-	240	93233
06	.97612	19236	33666	16	.97646	19329	14915
	+ 3	41093	23786		+ 3	38684	29164
	-	240	85685		-	240	94067
07	.97615	60329	57452	17	.97649	58013	44079
	+ 3	40852	38101		+ 3	38443	35097
	-	240	86526		-	240	94904
08	.97619	01181	95553	18	.97652	96456	79176
	+ 3	40611	51575		+ 3	38202	40193
	-	240	87366		-	240	95737
09	.97622	41793	47128	19	.97656	34659	19369
	+ 3	40370	64209		+ 3	37961	44456
	-	240	88206		-	240	96572

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

86^c	Sine.			86^c	Sine.				
20'	.97659	72620	63825	30'	.97693	38980	59649		
	+	3	37720	47884		+	3	35310	36435
	-		240	97405		-		241	05704
21	.97663	10341	11709	31	.97696	74290	96084		
	+	3	37479	50479		+	3	35069	30731
	-		240	98238		-		241	06532
22	.97666	47820	62188	32	.97700	09360	26815		
	+	3	37238	52241		+	3	34828	24199
	-		240	99068		-		241	07358
23	.97669	85059	14429	33	.97703	44188	51014		
	+	3	36997	53173		+	3	34587	16841
	-		240	99903		-		241	08184
24	.97673	22056	67602	34	.97706	78775	67855		
	+	3	36756	53270		+	3	34346	08657
	-		241	00731		-		241	09008
25	.97676	58813	20872	35	.97710	13121	76512		
	+	3	36515	52539		+	3	34104	99649
	-		241	01562		-		241	09833
26	.97679	95328	73411	36	.97713	47226	76161		
	+	3	36274	50977		+	3	33863	89816
	-		241	02393		-		241	10656
27	.97683	31603	24388	37	.97716	81090	65977		
	+	3	36033	48584		+	3	33622	79160
	-		241	03221		-		241	11481
28	.97686	67636	72972	38	.97720	14713	45137		
	+	3	35792	45363		+	3	33381	67679
	-		241	04049		-		241	12302
29	.97690	03429	18335	39	.97723	48095	12816		
	+	3	35551	41314		+	3	33140	55377
	-		241	04879		-		241	13124

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

86^c	Sine.			86^c	Sine.				
40'	.97726	81235	68193	50'	.97759	99377	64791		
	+	3	32899	42253		+	3	30487	65930
	-		241	13946		-		241	22127
41	.97730	14135	10446	51	.97763	29865	30721		
	+	3	32658	28307		+	3	30246	43803
	-		241	14766		-		241	22941
42	.97733	46793	38753	52	.97766	60111	74524		
	+	3	32417	13541		+	3	30005	20862
	-		241	15587		-		241	23757
43	.97736	79210	52294	53	.97769	90116	95386		
	+	3	32175	97954		+	3	29763	97105
	-		241	16407		-		241	24569
44	.97740	11386	50248	54	.97773	19880	92491		
	+	3	31934	81547		+	3	29522	72536
	-		241	17225		-		241	25383
45	.97743	43321	31795	55	.97776	49403	65027		
	+	3	31693	64322		+	3	29281	47153
	-		241	18044		-		241	26196
46	.97746	75014	96117	56	.97779	78685	12180		
	+	3	31452	46278		+	3	29040	20957
	-		241	18862		-		241	27007
47	.97750	06467	42395	57	.97783	07725	33137		
	+	3	31211	27416		+	3	28798	93950
	-		241	19678		-		241	27818
48	.97753	37678	69811	58	.97786	36524	27087		
	+	3	30970	07738		+	3	28557	66132
	-		241	20496		-		241	28629
49	.97756	68648	77549	59	.97789	65081	93219		
	+	3	30728	87242		+	3	28316	37503
	-		241	21312		-		241	29440

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

86^c	Sine.				86^c	Sine.			
60'	.97792	93398	30722		70'	.97825	63289	53220	
	+	3	28075	08063		+	3	25661	69247
	-		241	30248		-		241	38311
61	.97796	21473	38785		71	.97828	88951	22467	
	+	3	27833	77815		+	3	25420	30936
	-		241	31058		-		241	39113
62	.97799	49307	16600		72	.97832	14371	53403	
	+	3	27592	46757		+	3	25178	91823
	-		241	31866		-		241	39917
63	.97802	76899	63357		73	.97835	39550	45226	
	+	3	27351	14891		+	3	24937	51906
	-		241	32674		-		241	40718
64	.97806	04250	78248		74	.97838	64487	97132	
	+	3	27109	82217		+	3	24696	11188
	-		241	33480		-		241	41519
65	.97809	31360	60465		75	.97841	89184	08320	
	+	3	26868	48737		+	3	24454	69669
	-		241	34287		-		241	42319
66	.97812	58229	09202		76	.97845	13638	77989	
	+	3	26627	14450		+	3	24213	27350
	-		241	35094		-		241	43121
67	.97815	84856	23652		77	.97848	37852	05339	
	+	3	26385	79356		+	3	23971	84229
	-		241	35898		-		241	43918
68	.97819	11242	03008		78	.97851	61823	89568	
	+	3	26144	43458		+	3	23730	40311
	-		241	36704		-		241	44718
69	.97822	37386	46466		79	.97854	85554	29879	
	+	3	25903	06754		+	3	23488	95593
	-		241	37507		-		241	45516

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

86 ^c	Sine.			86 ^c	Sine.				
80'	.97858	09043	25472	90'	.97890	30651	46621		
	+	3	23247	50077		+	3	20832	51149
	-		241	46313		-		241	54257
81	.97861	32290	75549	91	.97893	51483	97770		
	+	3	23006	03764		+	3	20590	96892
	-		241	47111		-		241	55047
82	.97864	55296	79313	92	.97896	72074	94662		
	+	3	22764	56653		+	3	20349	41845
	-		241	47907		-		241	55839
83	.97867	78061	35966	93	.97899	92424	36507		
	+	3	22523	08746		+	3	20107	86006
	-		241	48703		-		241	56627
84	.97871	00584	44712	94	.97903	12532	22513		
	+	3	22281	60043		+	3	19866	29379
	-		241	49497		-		241	57417
85	.97874	22866	04755	95	.97906	32398	51892		
	+	3	22040	10546		+	3	19624	71962
	-		241	50293		-		241	58206
86	.97877	44906	15301	96	.97909	52023	23854		
	+	3	21798	60253		+	3	19383	13756
	-		241	51087		-		241	58994
87	.97880	66704	75554	97	.97912	71406	37610		
	+	3	21557	09166		+	3	19141	54762
	-		241	51879		-		241	59781
88	.97883	88261	84720	98	.97915	90547	92372		
	+	3	21315	57287		+	3	18899	94981
	-		241	52673		-		241	60568
89	.97887	09577	42007	99	.97919	09447	87353		
	+	3	21074	04614		+	3	18658	34413
	-		241	53465		-		241	61355

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

87^c	Sine.				87^c	Sine.			
00'	.97922	28106	21766		10'	.97954	01399	61967	
	+	3	18416	73058		+	3	16000	16402
	-		241	62139		-		241	69964
01	.97925	46522	94824		11	.97957	17399	78369	
	+	3	18175	10919		+	3	15758	46438
	-		241	62926		-		241	70742
02	.97928	64698	05743		12	.97960	33158	24807	
	+	3	17933	47993		+	3	15516	75696
	-		241	63709		-		241	71523
03	.97931	82631	53736		13	.97963	48675	00503	
	+	3	17691	84284		+	3	15275	04173
	-		241	64494		-		241	72298
04	.97935	00323	38020		14	.97966	63950	04676	
	+	3	17450	19790		+	3	15033	31875
	-		241	65276		-		241	73078
05	.97938	17773	57810		15	.97969	78983	36551	
	+	3	17208	54514		+	3	14791	58797
	-		241	66059		-		241	73852
06	.97941	34982	12324		16	.97972	93774	95348	
	+	3	16966	88455		+	3	14549	84945
	-		241	66843		-		241	74631
07	.97944	51949	00779		17	.97976	08324	80293	
	+	3	16725	21612		+	3	14308	10314
	-		241	67622		-		241	75404
08	.97947	68674	22391		18	.97979	22632	90607	
	+	3	16483	53990		+	3	14066	34910
	-		241	68404		-		241	76180
09	.97950	85157	76381		19	.97982	36699	25517	
	+	3	16241	85586		+	3	13824	58730
	-		241	69184		-		241	76955

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

87^c	Sine.			87^c	Sine.				
20'	.97985	50523	84247	30'	.98016	75471	11589		
	+	3	13582	81775		+	3	11164	69776
	-		241	77727		-		241	85433
21	.97988	64106	66022	31	.98019	86635	81365		
	+	3	13341	04048		+	3	10922	84343
	-		241	78502		-		241	86200
22	.97991	77447	70070	32	.98022	97558	65708		
	+	3	13099	25546		+	3	10680	98143
	-		241	79273		-		241	86966
23	.97994	90546	95616	33	.98026	08239	63851		
	+	3	12857	46273		+	3	10439	11177
	-		241	80046		-		241	87732
24	.97998	03404	41889	34	.98029	18678	75028		
	+	3	12615	66227		+	3	10197	23445
	-		241	80818		-		241	88498
25	.98001	16020	08116	35	.98032	28875	98473		
	+	3	12373	85409		+	3	09955	34947
	-		241	81586		-		241	89263
26	.98004	28393	93525	36	.98035	38831	33420		
	+	3	12132	03823		+	3	09713	45684
	-		241	82359		-		241	90026
27	.98007	40525	97348	37	.98038	48544	79104		
	+	3	11890	21464		+	3	09471	55658
	-		241	83127		-		241	90790
28	.98010	52416	18812	38	.98041	58016	34762		
	+	3	11648	38337		+	3	09229	64868
	-		241	83897		-		241	91554
29	.98013	64064	57149	39	.98044	67245	99630		
	+	3	11406	54440		+	3	08987	73314
	-		241	84664		-		241	92315

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

87^c	Sine.			87^c	Sine.				
40'	.98047	76233	72944	50'	.98078	52804	03230		
	+	3	08745	80999		+	3	06326	16043
	-		241	93077		-		242	00664
41	.98050	84979	53943	51	.98081	59130	19273		
	+	3	08503	87922		+	3	06084	15379
	-		241	93839		-		242	01417
42	.98053	93483	41865	52	.98084	65214	34652		
	+	3	08261	94083		+	3	05842	13962
	-		241	94600		-		242	02172
43	.98057	01745	35948	53	.98087	71056	48614		
	+	3	08019	99483		+	3	05600	11790
	-		241	95358		-		242	02928
44	.98060	09765	35431	54	.98090	76656	60404		
	+	3	07778	04125		+	3	05358	08862
	-		241	96120		-		242	03679
45	.98063	17543	39556	55	.98093	82014	69266		
	+	3	07536	08005		+	3	05116	05183
	-		241	96876		-		242	04432
46	.98066	25079	47561	56	.98096	87130	74449		
	+	3	07294	11129		+	3	04874	00751
	-		241	97637		-		242	05186
47	.98069	32373	58690	57	.98099	92004	75200		
	+	3	07052	13492		+	3	04631	95565
	-		241	98393		-		242	05937
48	.98072	39425	72182	58	.98102	96636	70765		
	+	3	06810	15099		+	3	04389	89628
	-		241	99150		-		242	06687
49	.98075	46235	87281	59	.98106	01026	60393		
	+	3	06568	15949		+	3	04147	82941
	-		241	99906		-		242	07438

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

87^c	Sine.				87^c	Sine.			
60'	.98109	05174	43334		70'	.98139	33337	40113	
	+	3	03905	75503		+	3	01484	59978
	-		242	08189		-		242	15655
61	.98112	09080	18837		71	.98142	34822	00091	
	+	3	03663	67314		+	3	01242	44323
	-		242	08936		-		242	16396
62	.98115	12743	86151		72	.98145	36064	44414	
	+	3	03421	58378		+	3	01000	27927
	-		242	09687		-		242	17141
63	.98118	16165	44529		73	.98148	37064	72341	
	+	3	03179	48691		+	3	00758	10786
	-		242	10434		-		242	17881
64	.98121	19344	93220		74	.98151	37822	83127	
	+	3	02937	38257		+	3	00515	92905
	-		242	11181		-		242	18623
65	.98124	22282	31477		75	.98154	38338	76032	
	+	3	02695	27076		+	3	00273	74282
	-		242	11928		-		242	19364
66	.98127	24977	58553		76	.98157	38612	50314	
	+	3	02453	15148		+	3	00031	54918
	-		242	12675		-		242	20105
67	.98130	27430	73701		77	.98160	38644	05232	
	+	3	02211	02473		+	2	99789	34813
	-		242	13421		-		242	20845
68	.98133	29641	76174		78	.98163	38433	40045	
	+	3	01968	89052		+	2	99547	13968
	-		242	14165		-		242	21582
69	.98136	31610	65226		79	.98166	37980	54013	
	+	3	01726	74887		+	2	99304	92386
	-		242	14909		-		242	22322

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

87^c	Sine.				87^c	Sine.			
80'	.98169	37285	46399		90'	.98199	17011	20997	
	+	2	99062	70064		+	2	96640	06359
	-		242	23061		-		242	30406
81	.98172	36348	16463		91	.98202	13651	27356	
	+	2	98820	47003		+	2	96397	75953
	-		242	23796		-		242	31137
82	.98175	35168	63466		92	.98205	10049	03309	
	+	2	98578	23207		+	2	96155	44816
	-		242	24533		-		242	31868
83	.98178	33746	86673		93	.98208	06204	48125	
	+	2	98335	98674		+	2	95913	12948
	-		242	25271		-		242	32598
84	.98181	32082	85347		94	.98211	02117	61073	
	+	2	98093	73403		+	2	95670	80350
	-		242	26005		-		242	33327
85	.98184	30176	58750		95	.98213	97788	41423	
	+	2	97851	47398		+	2	95428	47023
	-		242	26740		-		242	34057
86	.98187	28028	06148		96	.98216	93216	88446	
	+	2	97609	20658		+	2	95186	12966
	-		242	27475		-		242	34786
87	.98190	25637	26806		97	.98219	88403	01412	
	+	2	97366	93183		+	2	94943	78180
	-		242	28209		-		242	35512
88	.98193	23004	19989		98	.98222	83346	79592	
	+	2	97124	64974		+	2	94701	42668
	-		242	28940		-		242	36239
89	.98196	20128	84963		99	.98225	78048	22260	
	+	2	96882	36034		+	2	94459	06429
	-		242	29675		-		242	36967

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

88^c	Sine.			88^c	Sine.				
00'	.98228	72507	28689	10'	.98258	03766	40236		
	+	2	94216	69462		+	2	91792	59969
	-		242	37693		-		242	44918
01	.98231	66723	98151	11	.98260	95559	00205		
	+	2	93974	31769		+	2	91550	15051
	-		242	38417		-		242	45639
02	.98234	60698	29920	12	.98263	87109	15256		
	+	2	93731	93352		+	2	91307	69412
	-		242	39143		-		242	46357
03	.98237	54430	23272	13	.98266	78416	84668		
	+	2	93489	54209		+	2	91065	23055
	-		242	39866		-		242	47075
04	.98240	47919	77481	14	.98269	69482	07723		
	+	2	93247	14343		+	2	90822	75980
	-		242	40590		-		242	47793
05	.98243	41166	91824	15	.98272	60304	83703		
	+	2	93004	73753		+	2	90580	28187
	-		242	41313		-		242	48510
06	.98246	34171	65577	16	.98275	50885	11890		
	+	2	92762	32440		+	2	90337	79677
	-		242	42036		-		242	49226
07	.98249	26933	98017	17	.98278	41222	91567		
	+	2	92519	90404		+	2	90095	30451
	-		242	42758		-		242	49942
08	.98252	19453	88421	18	.98281	31318	22018		
	+	2	92277	47646		+	2	89852	80509
	-		242	43477		-		242	50657
09	.98255	11731	36067	19	.98284	21171	02527		
	+	2	92035	04169		+	2	89610	29852
	-		242	44200		-		242	51372

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

88 ^c	Sine.				88 ^c	Sine.			
20'	.98287	10781	32379		30'	.98315	93544	87842	
	+	2	89367	78480		+	2	86942	25592
	-		242	52085		-		242	59193
21	.98290	00149	10859		31	.98318	80487	13434	
	+	2	89125	26395		+	2	86699	66399
	-		242	52800		-		242	59899
22	.98292	89274	37254		32	.98321	67186	79833	
	+	2	88882	73595		+	2	86457	06500
	-		242	53512		-		242	60608
23	.98295	78157	10849		33	.98324	53643	86333	
	+	2	88640	20083		+	2	86214	45892
	-		242	54223		-		242	61313
24	.98298	66797	30932		34	.98327	39858	32225	
	+	2	88397	65860		+	2	85971	84579
	-		242	54937		-		242	62018
25	.98301	55194	96792		35	.98330	25830	16804	
	+	2	88155	10923		+	2	85729	22561
	-		242	55646		-		242	62724
26	.98304	43350	07715		36	.98333	11559	39365	
	+	2	87912	55277		+	2	85486	59837
	-		242	56357		-		242	63428
27	.98307	31262	62992		37	.98335	97045	99202	
	+	2	87669	98920		+	2	85243	96409
	-		242	57067		-		242	64132
28	.98310	18932	61912		38	.98338	82289	95611	
	+	2	87427	41853		+	2	85001	32277
	-		242	57776		-		242	64835
29	.98313	06360	03765		39	.98341	67291	27888	
	+	2	87184	84077		+	2	84758	67442
	-		242	58485		-		242	65538

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

88^c	Sine.			88^c	Sine.				
40'	.98344	52049	95330	50'	.98372	86289	49536		
	+	2	84516	01904		+	2	82089	08014
	-		242	66240		-		242	73226
41	.98347	36565	97234	51	.98375	68378	57550		
	+	2	84273	35664		+	2	81846	34788
	-		242	66941		-		242	73923
42	.98350	20839	32898	52	.98378	50224	92338		
	+	2	84030	68723		+	2	81603	60865
	-		242	67642		-		242	74618
43	.98353	04870	01621	53	.98381	31828	53203		
	+	2	83788	01081		+	2	81360	86247
	-		242	68342		-		242	75310
44	.98355	88658	02702	54	.98384	13189	39450		
	+	2	83545	32739		+	2	81118	10937
	-		242	69042		-		242	76006
45	.98358	72203	35441	55	.98386	94307	50387		
	+	2	83302	63697		+	2	80875	34931
	-		242	69741		-		242	76698
46	.98361	55505	99138	56	.98389	75182	85318		
	+	2	83059	93956		+	2	80632	58233
	-		242	70439		-		242	77391
47	.98364	38565	93094	57	.98392	55815	43551		
	+	2	82817	23517		+	2	80389	80842
	-		242	71137		-		242	78082
48	.98367	21383	16611	58	.98395	36205	24393		
	+	2	82574	52380		+	2	80147	02760
	-		242	71835		-		242	78773
49	.98370	03957	68991	59	.98398	16352	27153		
	+	2	82331	80545		+	2	79904	23987
	-		242	72531		-		242	79465

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

88^c	Sine.			88^c	Sine.		
60'	.98400	96256	51140	70'	.98428	81944	06810
+ 2	79661	44522		+ 2	77233	12026	
- 242	80154			- 242	87022		
61	.98403	75917	95662	71	.98431	59177	18836
+ 2	79418	64368		+ 2	76990	25004	
- 242	80844			- 242	87704		
62	.98406	55336	60030	72	.98434	36167	43840
+ 2	79175	83524		+ 2	76747	37300	
- 242	81533			- 242	88389		
63	.98409	34512	43554	73	.98437	12914	81140
+ 2	78933	01991		+ 2	76504	48911	
- 242	82220			- 242	89070		
64	.98412	13445	45545	74	.98439	89419	30051
+ 2	78690	19771		+ 2	76261	59841	
- 242	82909			- 242	89752		
65	.98414	92135	65316	75	.98442	65680	89892
+ 2	78447	36862		+ 2	76018	70089	
- 242	83596			- 242	90433		
66	.98417	70583	02178	76	.98445	41699	59981
+ 2	78204	53266		+ 2	75775	79656	
- 242	84281			- 242	91114		
67	.98420	48787	55444	77	.98448	17475	39637
+ 2	77961	68985		+ 2	75532	88542	
- 242	84968			- 242	91792		
68	.98423	26749	24429	78	.98450	93008	28179
+ 2	77718	84017		+ 2	75289	96750	
- 242	85653			- 242	92474		
69	.98426	04468	08446	79	.98453	68298	24929
+ 2	77475	98364		+ 2	75047	04276	
- 242	86338			- 242	93150		

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

88^c	Sine.			88^c	Sine.				
80'	.98456	43345	29205	90'	.98483	80453	36978		
	+	2	74804	11126		+	2	72374	42420
	-		242	93830		-		243	00577
81	.98459	18149	40331	91	.98486	52827	79398		
	+	2	74561	17296		+	2	72131	41843
	-		242	94506		-		243	01248
82	.98461	92710	57627	92	.98489	24959	21241		
	+	2	74318	22790		+	2	71888	40595
	-		242	95184		-		243	01919
83	.98464	67028	80417	93	.98491	96847	61836		
	+	2	74075	27606		+	2	71645	38676
	-		242	95859		-		243	02589
84	.98467	41104	08023	94	.98494	68493	00512		
	+	2	73832	31747		+	2	71402	36087
	-		242	96536		-		243	03260
85	.98470	14936	39770	95	.98497	39895	36599		
	+	2	73589	35211		+	2	71159	32827
	-		242	97211		-		243	03927
86	.98472	88525	74981	96	.98500	11054	69426		
	+	2	73346	38000		+	2	70916	28900
	-		242	97884		-		243	04598
87	.98475	61872	12981	97	.98502	81970	98326		
	+	2	73103	40116		+	2	70673	24302
	-		242	98560		-		243	05263
88	.98478	34975	53097	98	.98505	52644	22628		
	+	2	72860	41556		+	2	70430	19039
	-		242	99231		-		243	05932
89	.98481	07835	94653	99	.98508	23074	41667		
	+	2	72617	42325		+	2	70187	13107
	-		242	99905		-		243	06598

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

89°	Sine.			89°	Sine.				
00'	.98510	93261	54774	10'	.98537	81763	13234		
	+	2	69944	06509		+	2	67513	03991
	-		243	07265		-		243	13891
01	.98513	63205	61283	11	.98540	49276	17225		
	+	2	69700	99244		+	2	67269	90100
	-		243	07930		-		243	14553
02	.98516	32906	60527	12	.98543	16546	07325		
	+	2	69457	91314		+	2	67026	75547
	-		243	08594		-		243	15209
03	.98519	02364	51841	13	.98545	83572	82872		
	+	2	69214	82720		+	2	66783	60338
	-		243	09259		-		243	15869
04	.98521	71579	34561	14	.98548	50356	43210		
	+	2	68971	73461		+	2	66540	44469
	-		243	09923		-		243	16526
05	.98524	40551	08022	15	.98551	16896	87679		
	+	2	68728	63538		+	2	66297	27943
	-		243	10586		-		243	17184
06	.98527	09279	71560	16	.98553	83194	15622		
	+	2	68485	52952		+	2	66054	10759
	-		243	11247		-		243	17839
07	.98529	77765	24512	17	.98556	49248	26381		
	+	2	68242	41705		+	2	65810	92920
	-		243	11911		-		243	18496
08	.98532	46007	66217	18	.98559	15059	19301		
	+	2	67999	29794		+	2	65567	74424
	-		243	12571		-		243	19151
09	.98535	14006	96011	19	.98561	80626	93725		
	+	2	67756	17223		+	2	65324	55273
	-		243	13232		-		243	19805

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

89°	Sine.				89°	Sine.			
20'	.98564	45951	48998		30'	.98590	85820	04703	
	+	2	65081	35468		+	2	62649	01538
	-		243	20460		-		243	26967
21	.98567	11032	84466		31	.98593	48469	06241	
	+	2	64838	15008		+	2	62405	74571
	-		243	21113		-		243	27615
22	.98569	75870	99474		32	.98596	10874	80812	
	+	2	64594	93895		+	2	62162	46956
	-		243	21766		-		243	28262
23	.98572	40465	93369		33	.98598	73037	27768	
	+	2	64351	72129		+	2	61919	18694
	-		243	22418		-		243	28907
24	.98575	04817	65498		34	.98601	34956	46462	
	+	2	64108	49711		+	2	61675	89787
	-		243	23070		-		243	29554
25	.98577	68926	15209		35	.98603	96632	36249	
	+	2	63865	26641		+	2	61432	60233
	-		243	23721		-		243	30198
26	.98580	32791	41850		36	.98606	58064	96482	
	+	2	63622	02920		+	2	61189	30035
	-		243	24371		-		243	30843
27	.98582	96413	44770		37	.98609	19254	26517	
	+	2	63378	78549		+	2	60945	99192
	-		243	25022		-		243	31487
28	.98585	59792	23319		38	.98611	80200	25709	
	+	2	63135	53527		+	2	60702	67705
	-		243	25670		-		243	32130
29	.98588	22927	76846		39	.98614	40902	93414	
	+	2	62892	27857		+	2	60459	35575
	-		243	26319		-		243	32773

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

89 ^c	Sine.			89 ^c	Sine.				
40'	.98617	01362	28989	50'	.98642	92571	76495		
	+	2	60216	02802		+	2	57782	39861
	-		243	33415		-		243	39803
41	.98619	61578	31791	51	.98645	50354	16356		
	+	2	59972	69387		+	2	57539	00058
	-		243	34056		-		243	40437
42	.98622	21551	01178	52	.98648	07893	16414		
	+	2	59729	35331		+	2	57295	59621
	-		243	34697		-		243	41073
43	.98624	81280	36509	53	.98650	65188	76035		
	+	2	59486	00634		+	2	57052	18548
	-		243	35337		-		243	41707
44	.98627	40766	37143	54	.98653	22240	94583		
	+	2	59242	65297		+	2	56808	76841
	-		243	35977		-		243	42341
45	.98630	00009	02440	55	.98655	79049	71424		
	+	2	58999	29320		+	2	56565	34500
	-		243	36617		-		243	42973
46	.98632	59008	31760	56	.98658	35615	05924		
	+	2	58755	92703		+	2	56321	91527
	-		243	37254		-		243	43606
47	.98635	17764	24463	57	.98660	91936	97451		
	+	2	58512	55449		+	2	56078	47921
	-		243	37892		-		243	44239
48	.98637	76276	79912	58	.98663	48015	45372		
	+	2	58269	17557		+	2	55835	03682
	-		243	38531		-		243	44868
49	.98640	34545	97469	59	.98666	03850	49054		
	+	2	58025	79026		+	2	55591	58814
	-		243	39165		-		243	45500

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

89°	Sine.				89°	Sine.			
60'	.98668	59442	07868		70'	.98694	01966	89757	
	+	2	55348	13314		+	2	52913	23762
	-		243	46130		-		243	52396
61	.98671	14790	21182		71	.98696	54880	13519	
	+	2	55104	67184		+	2	52669	71366
	-		243	46759		-		243	53022
62	.98673	69894	88366		72	.98699	07549	84885	
	+	2	54861	20425		+	2	52426	18344
	-		243	47389		-		243	53643
63	.98676	24756	08791		73	.98701	59976	03229	
	+	2	54617	73036		+	2	52182	64701
	-		243	48015		-		243	54265
64	.98678	79373	81827		74	.98704	12158	67930	
	+	2	54374	25021		+	2	51939	10436
	-		243	48645		-		243	54889
65	.98681	33748	06848		75	.98706	64097	78366	
	+	2	54130	76376		+	2	51695	55547
	-		243	49271		-		243	55507
66	.98683	87878	83224		76	.98709	15793	33913	
	+	2	53887	27105		+	2	51452	00040
	-		243	49897		-		243	56130
67	.98686	41766	10329		77	.98711	67245	33953	
	+	2	53643	77208		+	2	51208	43910
	-		243	50524		-		243	56748
68	.98688	95409	87537		78	.98714	18453	77863	
	+	2	53400	26684		+	2	50964	87162
	-		243	51148		-		243	57368
69	.98691	48810	14221		79	.98716	69418	65025	
	+	2	53156	75536		+	2	50721	29794
	-		243	51774		-		243	57986

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

89 ^c	Sine.				89 ^c	Sine.			
80'	.98719	20139	94819		90'	.98744	13955	01721	
	+	2	50477	71808		+	2	48041	58049
	-		243	58606		-		243	64751
81	.98721	70617	66627		91	.98746	61996	59770	
	+	2	50234	13202		+	2	47797	93298
	-		243	59221		-		243	65364
82	.98724	20851	79829		92	.98749	09794	53068	
	+	2	49990	53981		+	2	47554	27934
	-		243	59839		-		243	65974
83	.98726	70842	33810		93	.98751	57348	81002	
	+	2	49746	94142		+	2	47310	61960
	-		243	60455		-		243	66584
84	.98729	20589	27952		94	.98754	04659	42962	
	+	2	49503	33687		+	2	47066	95376
	-		243	61071		-		243	67194
85	.98731	70092	61639		95	.98756	51726	38338	
	+	2	49259	72616		+	2	46823	28182
	-		243	61686		-		243	67803
86	.98734	19352	34255		96	.98758	98549	66520	
	+	2	49016	10930		+	2	46579	60379
	-		243	62300		-		243	68411
87	.98736	68368	45185		97	.98761	45129	26899	
	+	2	48772	48630		+	2	46335	91968
	-		243	62913		-		243	69020
88	.98739	17140	93815		98	.98763	91465	18867	
	+	2	48528	85717		+	2	46092	22948
	-		243	63528		-		243	69625
89	.98741	65669	79532		99	.98766	37557	41815	
	+	2	48285	22189		+	2	45848	53323
	-		243	64140		-		243	70234

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

90^c	Sine.			90^c	Sine.				
00'	.98768	83405	95138	10'	.98793	28486	65757		
	+	2	45604	83089		+	2	43167	47529
	-		243	70838		-		243	76866
01	.98771	29010	78227	11	.98795	71654	13286		
	+	2	45361	12251		+	2	42923	70663
	-		243	71445		-		243	77465
02	.98773	74371	90478	12	.98798	14577	83949		
	+	2	45117	40806		+	2	42679	93198
	-		243	72049		-		243	78064
03	.98776	19489	31284	13	.98800	57257	77147		
	+	2	44873	68757		+	2	42436	15134
	-		243	72654		-		243	78663
04	.98778	64363	00041	14	.98802	99693	92281		
	+	2	44629	96103		+	2	42192	36471
	-		243	73256		-		243	79259
05	.98781	08992	96144	15	.98805	41886	28752		
	+	2	44386	22847		+	2	41948	57212
	-		243	73860		-		243	79858
06	.98783	53379	18991	16	.98807	83834	85964		
	+	2	44142	48987		+	2	41704	77354
	-		243	74463		-		243	80452
07	.98785	97521	67978	17	.98810	25539	63318		
	+	2	43898	74524		+	2	41460	96902
	-		243	75064		-		243	81050
08	.98788	41420	42502	18	.98812	67000	60220		
	+	2	43654	99460		+	2	41217	15852
	-		243	75665		-		243	81644
09	.98790	85075	41962	19	.98815	08217	76072		
	+	2	43411	23795		+	2	40973	34208
	-		243	76266		-		243	82238

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

90^c	Sine.			90^c	Sine.				
20'	.98817	49191	10280	30'	.98841	45513	31422		
	+	2	40729	51970		+	2	38290	97013
	-		243	82833		-		243	88741
21	.98819	89920	62250	31	.98843	83804	28435		
	+	2	40485	69137		+	2	38047	08272
	-		243	83427		-		243	89326
22	.98822	30406	31387	32	.98846	21851	36707		
	+	2	40241	85710		+	2	37803	18946
	-		243	84018		-		243	89913
23	.98824	70648	17097	33	.98848	59654	55653		
	+	2	39998	01692		+	2	37559	29033
	-		243	84612		-		243	90500
24	.98827	10646	18789	34	.98850	97213	84686		
	+	2	39754	17080		+	2	37315	38533
	-		243	85202		-		243	91086
25	.98829	50400	35869	35	.98853	34529	23219		
	+	2	39510	31878		+	2	37071	47447
	-		243	85793		-		243	91669
26	.98831	89910	67747	36	.98855	71600	70666		
	+	2	39266	46085		+	2	36827	55778
	-		243	86385		-		243	92256
27	.98834	29177	13832	37	.98858	08428	26444		
	+	2	39022	59700		+	2	36583	63522
	-		243	86973		-		243	92837
28	.98836	68199	73532	38	.98860	45011	89966		
	+	2	38778	72727		+	2	36339	70685
	-		243	87564		-		243	93422
29	.98839	06978	46259	39	.98862	81351	60651		
	+	2	38534	85163		+	2	36095	77263
	-		243	88150		-		243	94004

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

90^c	Sine.			90^c	Sine.				
40'	.98865	17447	37914	50'	.98888	64987	44505		
	+	2	35851	83259		+	2	33412	11311
	-		243	94586		-		244	00371
41	.98867	53299	21173	51	.98890	98399	55816		
	+	2	35607	88673		+	2	33168	10940
	-		243	95167		-		244	00948
42	.98869	88907	09846	52	.98893	31567	66756		
	+	2	35363	93506		+	2	32924	09992
	-		243	95748		-		244	01522
43	.98872	24271	03352	53	.98895	64491	76748		
	+	2	35119	97758		+	2	32680	08470
	-		243	96328		-		244	02096
44	.98874	59391	01110	54	.98897	97171	85218		
	+	2	34876	01430		+	2	32436	06374
	-		243	96908		-		244	02671
45	.98876	94267	02540	55	.98900	29607	91592		
	+	2	34632	04522		+	2	32192	03703
	-		243	97486		-		244	03242
46	.98879	28899	07062	56	.98902	61799	95295		
	+	2	34388	07036		+	2	31948	00461
	-		243	98066		-		244	03815
47	.98881	63287	14098	57	.98904	93747	95756		
	+	2	34144	08970		+	2	31703	96646
	-		243	98642		-		244	04387
48	.98883	97431	23068	58	.98907	25451	92402		
	+	2	33900	10328		+	2	31459	92259
	-		243	99219		-		244	04958
49	.98886	31331	33396	59	.98909	56911	84661		
	+	2	33656	11109		+	2	31215	87301
	-		243	99798		-		244	05529

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

90^c	Sine.			90^c	Sine.				
60'	.98911	88127	71962	70'	.98934	86862	47074		
	+	2	30971	81772		+	2	28530	95243
	-		244	06097		-		244	11764
61	.98914	19099	53734	71	.98937	15393	42317		
	+	2	30727	75675		+	2	28286	83479
	-		244	06669		-		244	12327
62	.98916	49827	29409	72	.98939	43680	25796		
	+	2	30483	69006		+	2	28042	71152
	-		244	07235		-		244	12891
63	.98918	80310	98415	73	.98941	71722	96948		
	+	2	30239	61771		+	2	27798	58261
	-		244	07805		-		244	13452
64	.98921	10550	60186	74	.98943	99521	55209		
	+	2	29995	53966		+	2	27554	44809
	-		244	08372		-		244	14013
65	.98923	40546	14152	75	.98946	27076	00018		
	+	2	29751	45594		+	2	27310	30796
	-		244	08939		-		244	14575
66	.98925	70297	59746	76	.98948	54386	30814		
	+	2	29507	36655		+	2	27066	16221
	-		244	09505		-		244	15135
67	.98927	99804	96401	77	.98950	81452	47035		
	+	2	29263	27150		+	2	26822	01086
	-		244	10071		-		244	15694
68	.98930	29068	23551	78	.98953	08274	48121		
	+	2	29019	17079		+	2	26577	85392
	-		244	10635		-		244	16254
69	.98932	58087	40630	79	.98955	34852	33513		
	+	2	28775	06444		+	2	26333	69138
	-		244	11201		-		244	16812

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

90^c	Sine.				90^c	Sine.			
80'	.98957	61186	02651		90'	.98980	11092	77526	
	+	2	26089	52326		+	2	23647	53624
	-		244	17370		-		244	22915
81	.98959	87275	54977		91	.98982	34740	31150	
	+	2	25845	34956		+	2	23403	30709
	-		244	17926		-		244	23467
82	.98962	13120	89933		92	.98984	58143	61859	
	+	2	25601	17030		+	2	23159	07242
	-		244	18485		-		244	24017
83	.98964	38722	06963		93	.98986	81302	69101	
	+	2	25356	98545		+	2	22914	83225
	-		244	19039		-		244	24568
84	.98966	64079	05508		94	.98989	04217	52326	
	+	2	25112	79506		+	2	22670	58657
	-		244	19596		-		244	25115
85	.98968	89191	85014		95	.98991	26888	10983	
	+	2	24868	59910		+	2	22426	33542
	-		244	20149		-		244	25666
86	.98971	14060	44924		96	.98993	49314	44525	
	+	2	24624	39761		+	2	22182	07876
	-		244	20705		-		244	26214
87	.98973	38684	84685		97	.98995	71496	52401	
	+	2	24380	19056		+	2	21937	81662
	-		244	21258		-		244	26761
88	.98975	63065	03741		98	.98997	93434	34063	
	+	2	24135	97798		+	2	21693	54901
	-		244	21811		-		244	27307
89	.98977	87201	01539		99	.99000	15127	88964	
	+	2	23891	75987		+	2	21449	27594
	-		244	22363		-		244	27856

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

91^c	Sine.			91^c	Sine.				
00'	.99002	36577	16558	10'	.99024	37633	70629		
	+	2	21204	99738		+	2	18761	91273
	-		244	28400		-		244	33825
01	.99004	57782	16296	11	.99026	56395	61902		
	+	2	20960	71338		+	2	18517	57448
	-		244	28945		-		244	34364
02	.99006	78742	87634	12	.99028	74913	19350		
	+	2	20716	42393		+	2	18273	23084
	-		244	29491		-		244	34904
03	.99008	99459	30027	13	.99030	93186	42434		
	+	2	20472	12902		+	2	18028	88180
	-		244	30033		-		244	35440
04	.99011	19931	42929	14	.99033	11215	30614		
	+	2	20227	82869		+	2	17784	52740
	-		244	30579		-		244	35979
05	.99013	40159	25798	15	.99035	28999	83354		
	+	2	19983	52290		+	2	17540	16761
	-		244	31119		-		244	36515
06	.99015	60142	78088	16	.99037	46540	00115		
	+	2	19739	21171		+	2	17295	80246
	-		244	31664		-		244	37051
07	.99017	79881	99259	17	.99039	63835	80361		
	+	2	19494	89507		+	2	17051	43195
	-		244	32203		-		244	37586
08	.99019	99376	88766	18	.99041	80887	23556		
	+	2	19250	57304		+	2	16807	05609
	-		244	32745		-		244	38123
09	.99022	18627	46070	19	.99043	97694	29165		
	+	2	19006	24559		+	2	16562	67486
	-		244	33286		-		244	38655

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

91°	Sine.				91°	Sine.			
20'	.99046	14256	96651		30'	.99067	66441	57565	
	+	2	16318	28831		+	2	13874	13013
	-		244	39191		-		244	44494
21	.99048	30575	25482		31	.99069	80315	70578	
	+	2	16073	89640		+	2	13629	68519
	-		244	39722		-		244	45020
22	.99050	46649	15122		32	.99071	93945	39097	
	+	2	15829	49918		+	2	13385	23499
	-		244	40256		-		244	45549
23	.99052	62478	65040		33	.99074	07330	62596	
	+	2	15585	09662		+	2	13140	77950
	-		244	40787		-		244	46073
24	.99054	78063	74702		34	.99076	20471	40546	
	+	2	15340	68875		+	2	12896	31877
	-		244	41319		-		244	46599
25	.99056	93404	43577		35	.99078	33367	72423	
	+	2	15096	27556		+	2	12651	85278
	-		244	41849		-		244	47124
26	.99059	08500	71133		36	.99080	46019	57701	
	+	2	14851	85707		+	2	12407	38154
	-		244	42380		-		244	47647
27	.99061	23352	56840		37	.99082	58426	95855	
	+	2	14607	43327		+	2	12162	90507
	-		244	42909		-		244	48172
28	.99063	37960	00167		38	.99084	70589	86362	
	+	2	14363	00418		+	2	11918	42335
	-		244	43438		-		244	48693
29	.99065	52323	00585		39	.99086	82508	28697	
	+	2	14118	56980		+	2	11673	93642
	-		244	43967		-		244	49217

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

91^c	Sine.			91^c	Sine.				
40'	.99088	94182	22339	50'	.99109	97473	65975		
	+	2	11429	44425		+	2	08984	23668
	-		244	49738		-		244	54921
41	.99091	05611	66764	51	.99112	06457	89643		
	+	2	11184	94687		+	2	08739	68747
	-		244	50259		-		244	55437
42	.99093	16796	61451	52	.99114	15197	58390		
	+	2	10940	44428		+	2	08495	13310
	-		244	50780		-		244	55951
43	.99095	27737	05879	53	.99116	23692	71700		
	+	2	10695	93648		+	2	08250	57359
	-		244	51299		-		244	56465
44	.99097	38432	99527	54	.99118	31943	29059		
	+	2	10451	42349		+	2	08006	00894
	-		244	51819		-		244	56978
45	.99099	48884	41876	55	.99120	39949	29953		
	+	2	10206	90530		+	2	07761	43916
	-		244	52337		-		244	57491
46	.99101	59091	32406	56	.99122	47710	73869		
	+	2	09962	38193		+	2	07516	86425
	-		244	52856		-		244	58003
47	.99103	69053	70599	57	.99124	55227	60294		
	+	2	09717	85337		+	2	07272	28422
	-		244	53373		-		244	58514
48	.99105	78771	55936	58	.99126	62499	88716		
	+	2	09473	31964		+	2	07027	69908
	-		244	53889		-		244	59025
49	.99107	88244	87900	59	.99128	69527	58624		
	+	2	09228	78075		+	2	06783	10883
	-		244	54407		-		244	59536

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

91^c	Sine.			91^c	Sine.		
60'	.99130	76310	69507	70'	.99151	30688	20002
+ 2	06538	51347		+ 2	04092	28064	
- 244	60045			- 244	65107		
61	.99132	82849	20854	71	.99153	34780	48066
+ 2	06293	91302		+ 2	03847	62957	
- 244	60554			- 244	65611		
62	.99134	89143	12156	72	.99155	38628	11023
+ 2	06049	30748		+ 2	03602	97346	
- 244	61062			- 244	66113		
63	.99136	95192	42904	73	.99157	42231	08369
+ 2	05804	69686		+ 2	03358	31233	
- 244	61570			- 244	66616		
64	.99139	00997	12590	74	.99159	45589	39602
+ 2	05560	08116		+ 2	03113	64617	
- 244	62077			- 244	67115		
65	.99141	06557	20706	75	.99161	48703	04219
+ 2	05315	46039		+ 2	02868	97502	
- 244	62585			- 244	67617		
66	.99143	11872	66745	76	.99163	51572	01721
+ 2	05070	83454		+ 2	02624	29885	
- 244	63089			- 244	68117		
67	.99145	16943	50199	77	.99165	54196	31606
+ 2	04826	20365		+ 2	02379	61768	
- 244	63596			- 244	68616		
68	.99147	21769	70564	78	.99167	56575	93374
+ 2	04581	56769		+ 2	02134	93152	
- 244	64100			- 244	69115		
69	.99149	26351	27333	79	.99169	58710	86526
+ 2	04336	92669		+ 2	01890	24037	
- 244	64605			- 244	69613		

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

91^c	Sine.			91^c	Sine.				
80'	.99171	60601	10563	90'	.99191	66044	40329		
	+	2	01645	54424		+	1	99198	31030
	-		244	70110		-		244	75052
81	.99173	62246	64987	91	.99193	65242	71359		
	+	2	01400	84314		+	1	98953	55978
	-		244	70608		-		244	75545
82	.99175	63647	49301	92	.99195	64196	27337		
	+	2	01156	13706		+	1	98708	80433
	-		244	71103		-		244	76033
83	.99177	64803	63007	93	.99197	62905	07770		
	+	2	00911	42603		+	1	98464	04400
	-		244	71600		-		244	76524
84	.99179	65715	05610	94	.99199	61369	12170		
	+	2	00666	71003		+	1	98219	27876
	-		244	72094		-		244	77012
85	.99181	66381	76613	95	.99201	59588	40046		
	+	2	00421	98909		+	1	97974	50864
	-		244	72589		-		244	77501
86	.99183	66803	75522	96	.99203	57562	90910		
	+	2	00177	26320		+	1	97729	73363
	-		244	73084		-		244	77990
87	.99185	66981	01842	97	.99205	55292	64273		
	+	1	99932	53236		+	1	97484	95373
	-		244	73576		-		244	78476
88	.99187	66913	55078	98	.99207	52777	59646		
	+	1	99687	79660		+	1	97240	16897
	-		244	74069		-		244	78962
89	.99189	66601	34738	99	.99209	50017	76543		
	+	1	99443	05591		+	1	96995	37935
	-		244	74561		-		244	79450

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

92 ^c	Sine.			92 ^c	Sine.				
00'	.99211	47013	14478	10'	.99231	03502	44224		
	+	1	96750	58485		+	1	94302	37395
	-		244	79934		-		244	84757
01	.99213	43763	72963	11	.99232	97804	81619		
	+	1	96505	78551		+	1	94057	52638
	-		244	80419		-		244	85234
02	.99215	40269	51514	12	.99234	91862	34257		
	+	1	96260	98132		+	1	93812	67404
	-		244	80904		-		244	85713
03	.99217	36530	49646	13	.99236	85675	01661		
	+	1	96016	17228		+	1	93567	81691
	-		244	81388		-		244	86190
04	.99219	32546	66874	14	.99238	79242	83352		
	+	1	95771	35840		+	1	93322	95501
	-		244	81869		-		244	86668
05	.99221	28318	02714	15	.99240	72565	78853		
	+	1	95526	53971		+	1	93078	08833
	-		244	82353		-		244	87144
06	.99223	23844	56685	16	.99242	65643	87686		
	+	1	95281	71618		+	1	92833	21689
	-		244	82835		-		244	87620
07	.99225	19126	28303	17	.99244	58477	09375		
	+	1	95036	88783		+	1	92588	34069
	-		244	83316		-		244	88094
08	.99227	14163	17086	18	.99246	51065	43444		
	+	1	94792	05467		+	1	92343	45975
	-		244	83796		-		244	88570
09	.99229	08955	22553	19	.99248	43408	89419		
	+	1	94547	21671		+	1	92098	57405
	-		244	84276		-		244	89044

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

92 ^c	Sine.				92 ^c	Sine.			
20'	.99250	35507	46824		30'	.99269	43023	45574	
	+	1	91853	68361		+	1	89404	51990
	-		244	89516		-		244	94217
21	.99252	27361	15185		31	.99271	32427	97564	
	+	1	91608	78845		+	1	89159	57773
	-		244	89990		-		244	94684
22	.99254	18969	94030		32	.99273	21587	55337	
	+	1	91363	88855		+	1	88914	63089
	-		244	90462		-		244	95150
23	.99256	10333	82885		33	.99275	10502	18426	
	+	1	91118	98393		+	1	88669	67939
	-		244	90933		-		244	95616
24	.99258	01452	81278		34	.99276	99171	86365	
	+	1	90874	07460		+	1	88424	72323
	-		244	91405		-		244	96081
25	.99259	92326	88738		35	.99278	87596	58688	
	+	1	90629	16055		+	1	88179	76242
	-		244	91874		-		244	96545
26	.99261	82956	04793		36	.99280	75776	34930	
	+	1	90384	24181		+	1	87934	79697
	-		244	92345		-		244	97009
27	.99263	73340	28974		37	.99282	63711	14627	
	+	1	90139	31836		+	1	87689	82688
	-		244	92813		-		244	97471
28	.99265	63479	60810		38	.99284	51400	97315	
	+	1	89894	39023		+	1	87444	85217
	-		244	93282		-		244	97935
29	.99267	53373	99833		39	.99286	38845	82532	
	+	1	89649	45741		+	1	87199	87282
	-		244	93751		-		244	98397

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

92^c	Sine.				92^c	Sine.			
40'	.99288	26045	69814		50'	.99306	84569	54926	
	+	1	86954	88885		+	1	84504	79652
	-		244	98856		-		245	03437
41	.99290	13000	58699		51	.99308	69074	34578	
	+	1	86709	90029		+	1	84259	76215
	-		244	99319		-		245	03892
42	.99291	99710	48728		52	.99310	53334	10793	
	+	1	86464	90710		+	1	84014	72323
	-		244	99779		-		245	04347
43	.99293	86175	39438		53	.99312	37348	83116	
	+	1	86219	90931		+	1	83769	67976
	-		245	00237		-		245	04798
44	.99295	72395	30369		54	.99314	21118	51092	
	+	1	85974	90694		+	1	83524	63178
	-		245	00696		-		245	05253
45	.99297	58370	21063		55	.99316	04643	14270	
	+	1	85729	89998		+	1	83279	57925
	-		245	01156		-		245	05704
46	.99299	44100	11061		56	.99317	87922	72195	
	+	1	85484	88842		+	1	83034	52221
	-		245	01613		-		245	06156
47	.99301	29584	99903		57	.99319	70957	24416	
	+	1	85239	87229		+	1	82789	46065
	-		245	02069		-		245	06607
48	.99303	14824	87132		58	.99321	53746	70481	
	+	1	84994	85160		+	1	82544	39458
	-		245	02526		-		245	07058
49	.99304	99819	72292		59	.99323	36291	09939	
	+	1	84749	82634		+	1	82299	32400
	-		245	02982		-		245	07506

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

92^c	Sine.				92^c	Sine.			
60'	.99325	18590	42339		70'	.99343	28103	79527	
	+	1	82054	24894		+	1	79603	25214
	-		245	07958		-		245	12415
61	.99327	00644	67233		71	.99345	07707	04741	
	+	1	81809	16936		+	1	79358	12799
	-		245	08404		-		245	12857
62	.99328	82453	84169		72	.99346	87065	17540	
	+	1	81564	08532		+	1	79112	99942
	-		245	08853		-		245	13300
63	.99330	64017	92701		73	.99348	66178	17482	
	+	1	81318	99679		+	1	78867	86642
	-		245	09301		-		245	13742
64	.99332	45336	92380		74	.99350	45046	04124	
	+	1	81073	90378		+	1	78622	72900
	-		245	09747		-		245	14181
65	.99334	26410	82758		75	.99352	23668	77024	
	+	1	80828	80631		+	1	78377	58719
	-		245	10193		-		245	14621
66	.99336	07239	63389		76	.99354	02046	35743	
	+	1	80583	70438		+	1	78132	44098
	-		245	10640		-		245	15063
67	.99337	87823	33827		77	.99355	80178	79841	
	+	1	80338	59798		+	1	77887	29035
	-		245	11083		-		245	15499
68	.99339	68161	93625		78	.99357	58066	08876	
	+	1	80093	48715		+	1	77642	13536
	-		245	11528		-		245	15940
69	.99341	48255	42340		79	.99359	35708	22412	
	+	1	79848	37187		+	1	77396	97596
	-		245	11973		-		245	16375

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

92^c	Sine.				92^c	Sine.			
80'	.99361	13105	20008		90'	.99378	73590	23354	
	+	1	77151	81221		+	1	74699	93515
	-		245	16814		-		245	21150
81	.99362	90257	01229		91	.99380	48290	16869	
	+	1	76906	64407		+	1	74454	72365
	-		245	17250		-		245	21582
82	.99364	67163	65636		92	.99382	22744	89234	
	+	1	76661	47157		+	1	74209	50783
	-		245	17686		-		245	22012
83	.99366	43825	12793		93	.99383	96954	40017	
	+	1	76416	29471		+	1	73964	28771
	-		245	18121		-		245	22440
84	.99368	20241	42264		94	.99385	70918	68788	
	+	1	76171	11350		+	1	73719	06331
	-		245	18556		-		245	22870
85	.99369	96412	53614		95	.99387	44637	75119	
	+	1	75925	92794		+	1	73473	83461
	-		245	18990		-		245	23297
86	.99371	72338	46408		96	.99389	18111	58580	
	+	1	75680	73804		+	1	73228	60164
	-		245	19423		-		245	23725
87	.99373	48019	20212		97	.99390	91340	18744	
	+	1	75435	54381		+	1	72983	36439
	-		245	19857		-		245	24152
88	.99375	23454	74593		98	.99392	64323	55183	
	+	1	75190	34524		+	1	72738	12287
	-		245	20287		-		245	24577
89	.99376	98645	09117		99	.99394	37061	67470	
	+	1	74945	14237		+	1	72492	87710
	-		245	20722		-		245	25004

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

93 ^c	Sine.				93 ^c	Sine.			
00'	.99396	09554	55180		10'	.99413	20993	87155	
	+	1	72247	62706		+	1	69794	89396
	-		245	25429		-		245	29646
01	.99397	81802	17886		11	.99414	90788	76551	
	+	1	72002	37277		+	1	69549	59750
	-		245	25853		-		245	30064
02	.99399	53804	55163		12	.99416	60338	36301	
	+	1	71757	11424		+	1	69304	29686
	-		245	26276		-		245	30480
03	.99401	25561	66587		13	.99418	29642	65987	
	+	1	71511	85148		+	1	69058	99206
	-		245	26700		-		245	30899
04	.99402	97073	51735		14	.99419	98701	65193	
	+	1	71266	58448		+	1	68813	68307
	-		245	27122		-		245	31316
05	.99404	68340	10183		15	.99421	67515	33500	
	+	1	71021	31326		+	1	68568	36991
	-		245	27546		-		245	31730
06	.99406	39361	41509		16	.99423	36083	70491	
	+	1	70776	03780		+	1	68323	05261
	-		245	27964		-		245	32146
07	.99408	10137	45289		17	.99425	04406	75752	
	+	1	70530	75816		+	1	68077	73115
	-		245	28388		-		245	32562
08	.99409	80668	21105		18	.99426	72484	48867	
	+	1	70285	47428		+	1	67832	40553
	-		245	28806		-		245	32974
09	.99411	50953	68533		19	.99428	40316	89420	
	+	1	70040	18622		+	1	67587	07579
	-		245	29226		-		245	33389

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

93 ^c	Sine.			93 ^c	Sine.				
20'	.99430	07903	96999	30'	.99446	70280	68483		
	+	1	67341	74190		+	1	64888	17694
	-		245	33802		-		245	37896
21	.99431	75245	71189	31	.99448	35168	86177		
	+	1	67096	40388		+	1	64642	79798
	-		245	34213		-		245	38304
22	.99433	42342	11577	32	.99449	99811	65975		
	+	1	66851	06175		+	1	64397	41494
	-		245	34626		-		245	38710
23	.99435	09193	17752	33	.99451	64209	07469		
	+	1	66605	71549		+	1	64152	02784
	-		245	35036		-		245	39113
24	.99436	75798	89301	34	.99453	28361	10253		
	+	1	66360	36513		+	1	63906	63671
	-		245	35448		-		245	39519
25	.99438	42159	25814	35	.99454	92267	73924		
	+	1	66115	01065		+	1	63661	24152
	-		245	35856		-		245	39922
26	.99440	08274	26879	36	.99456	55928	98076		
	+	1	65869	65209		+	1	63415	84230
	-		245	36266		-		245	40326
27	.99441	74143	92088	37	.99458	19344	82306		
	+	1	65624	28943		+	1	63170	43904
	-		245	36676		-		245	40728
28	.99443	39768	21031	38	.99459	82515	26210		
	+	1	65378	92267		+	1	62925	03176
	-		245	37082		-		245	41130
29	.99445	05147	13298	39	.99461	45440	29386		
	+	1	65133	55185		+	1	62679	62046
	-		245	37491		-		245	41531

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

93^c	Sine.				93^c	Sine.			
40'	.99463	08119	91432		50'	.99479	21417	61726	
	+	1	62434	20515		+	1	59979	83256
	-		245	41933		-		245	45908
41	.99464	70554	11947		51	.99480	81397	44982	
	+	1	62188	78582		+	1	59734	37348
	-		245	42333		-		245	46300
42	.99466	32742	90529		52	.99482	41131	82330	
	+	1	61943	36249		+	1	59488	91048
	-		245	42731		-		245	46695
43	.99467	94686	26778		53	.99484	00620	73378	
	+	1	61697	93518		+	1	59243	44353
	-		245	43132		-		245	47088
44	.99469	56384	20296		54	.99485	59864	17731	
	+	1	61452	50386		+	1	58997	97265
	-		245	43529		-		245	47480
45	.99471	17836	70682		55	.99487	18862	14996	
	+	1	61207	06857		+	1	58752	49785
	-		245	43927		-		245	47871
46	.99472	79043	77539		56	.99488	77614	64781	
	+	1	60961	62930		+	1	58507	01914
	-		245	44325		-		245	48262
47	.99474	40005	40469		57	.99490	36121	66695	
	+	1	60716	18605		+	1	58261	53652
	-		245	44720		-		245	48654
48	.99476	00721	59074		58	.99491	94383	20347	
	+	1	60470	73885		+	1	58016	04998
	-		245	45118		-		245	49043
49	.99477	61192	32959		59	.99493	52399	25345	
	+	1	60225	28767		+	1	57770	55955
	-		245	45511		-		245	49432

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

93^c	Sine.				93^c	Sine.			
60'	.99495	10169	81300		70'	.99510	74372	58145	
	+	1	57525	06523		+	1	55069	90922
	-		245	49821		-		245	53673
61	.99496	67694	87823		71	.99512	29442	49067	
	+	1	57279	56702		+	1	54824	37249
	-		245	50209		-		245	54057
62	.99498	24974	44525		72	.99513	84266	86316	
	+	1	57034	06493		+	1	54578	83192
	-		245	50597		-		245	54438
63	.99499	82008	51018		73	.99515	38845	69508	
	+	1	56788	55896		+	1	54333	28754
	-		245	50983		-		245	54819
64	.99501	38797	06914		74	.99516	93178	98262	
	+	1	56543	04913		+	1	54087	73935
	-		245	51369		-		245	55199
65	.99502	95340	11827		75	.99518	47266	72197	
	+	1	56297	53544		+	1	53842	18736
	-		245	51756		-		245	55578
66	.99504	51637	65371		76	.99520	01108	90933	
	+	1	56052	01788		+	1	53596	63158
	-		245	52140		-		245	55957
67	.99506	07689	67159		77	.99521	54705	54091	
	+	1	55806	49648		+	1	53351	07201
	-		245	52525		-		245	56336
68	.99507	63496	16807		78	.99523	08056	61292	
	+	1	55560	97123		+	1	53105	50865
	-		245	52908		-		245	56714
69	.99509	19057	13930		79	.99524	61162	12157	
	+	1	55315	44215		+	1	52859	94151
	-		245	53293		-		245	57090

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

93^c	Sine.				93^c	Sine.			
80'	.99526	14022	06308		90'	.99541	29114	45898	
	+	1	52614	37061		+	1	50158	45542
	-		245	57468		-		245	61199
81	.99527	66636	43369		91	.99542	79272	91440	
	+	1	52368	79593		+	1	49912	84343
	-		245	57843		-		245	61570
82	.99529	19005	22962		92	.99544	29185	75783	
	+	1	52123	21750		+	1	49667	22773
	-		245	58218		-		245	61938
83	.99530	71128	44712		93	.99545	78852	98556	
	+	1	51877	63532		+	1	49421	60835
	-		245	58594		-		245	62308
84	.99532	23006	08244		94	.99547	28274	59391	
	+	1	51632	04938		+	1	49175	98527
	-		245	58968		-		245	62676
85	.99533	74638	13182		95	.99548	77450	57918	
	+	1	51386	45970		+	1	48930	35851
	-		245	59340		-		245	63042
86	.99535	26024	59152		96	.99550	26380	93769	
	+	1	51140	86630		+	1	48684	72809
	-		245	59715		-		245	63410
87	.99536	77165	45782		97	.99551	75065	66578	
	+	1	50895	26915		+	1	48439	09399
	-		245	60085		-		245	63777
88	.99538	28060	72697		98	.99553	23504	75977	
	+	1	50649	66830		+	1	48193	45622
	-		245	60459		-		245	64141
89	.99539	78710	39527		99	.99554	71698	21599	
	+	1	50404	06371		+	1	47947	81481
	-		245	60829		-		245	64507

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

94°	Sine.				94°	Sine.			
00'	.99556	19646	03080		10'	.99570	85613	10080	
	+	1	47702	16974		+	1	45245	51962
	-		245	64871		-		245	68483
01	.99557	67348	20054		11	.99572	30858	62042	
	+	1	47456	52103		+	1	44999	83479
	-		245	65236		-		245	68840
02	.99559	14804	72157		12	.99573	75858	45521	
	+	1	47210	86867		+	1	44754	14639
	-		245	65597		-		245	69197
03	.99560	62015	59024		13	.99575	20612	60160	
	+	1	46965	21270		+	1	44508	45442
	-		245	65962		-		245	69554
04	.99562	08980	80294		14	.99576	65121	05602	
	+	1	46719	55308		+	1	44262	75888
	-		245	66323		-		245	69910
05	.99563	55700	35602		15	.99578	09383	81490	
	+	1	46473	88985		+	1	44017	05978
	-		245	66684		-		245	70265
06	.99565	02174	24587		16	.99579	53400	87468	
	+	1	46228	22301		+	1	43771	35713
	-		245	67045		-		245	70619
07	.99566	48402	46888		17	.99580	97172	23181	
	+	1	45982	55256		+	1	43525	65094
	-		245	67405		-		245	70975
08	.99567	94385	02144		18	.99582	40697	88275	
	+	1	45736	87851		+	1	43279	94119
	-		245	67766		-		245	71327
09	.99569	40121	89995		19	.99583	83977	82394	
	+	1	45491	20085		+	1	43034	22792
	-		245	68123		-		245	71681

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

94°	Sine.				94°	Sine.			
20'	.99585	27012	05186		30'	.99599	43839	32746	
	+	1	42788	51111		+	1	40331	15029
	-		245	72033		-		245	75522
21	.99586	69800	56297		31	.99600	84170	47775	
	+	1	42542	79078		+	1	40085	39507
	-		245	72384		-		245	75869
22	.99588	12343	35375		32	.99602	24255	87282	
	+	1	42297	06694		+	1	39839	63638
	-		245	72735		-		245	76212
23	.99589	54640	42069		33	.99603	64095	50920	
	+	1	42051	33959		+	1	39593	87426
	-		245	73087		-		245	76559
24	.99590	96691	76028		34	.99605	03689	38346	
	+	1	41805	60872		+	1	39348	10867
	-		245	73435		-		245	76901
25	.99592	38497	36900		35	.99606	43037	49213	
	+	1	41559	87437		+	1	39102	33966
	-		245	73786		-		245	77245
26	.99593	80057	24337		36	.99607	82139	83179	
	+	1	41314	13651		+	1	38856	56721
	-		245	74134		-		245	77587
27	.99595	21371	37988		37	.99609	20996	39900	
	+	1	41068	39517		+	1	38610	79134
	-		245	74482		-		245	77929
28	.99596	62439	77505		38	.99610	59607	19034	
	+	1	40822	65035		+	1	38365	01205
	-		245	74829		-		245	78272
29	.99598	03262	42540		39	.99611	97972	20239	
	+	1	40576	90206		+	1	38119	22933
	-		245	75177		-		245	78610

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

94°	Sine.				94°	Sine.			
40'	.99613	36091	43172		50'	.99627	03764	92941	
	+	1	37873	44323		+	1	35415	39596
	-		245	78953		-		245	82320
41	.99614	73964	87495		51	.99628	39180	32537	
	+	1	37627	65370		+	1	35169	57276
	-		245	79291		-		245	82654
42	.99616	11592	52865		52	.99629	74349	89813	
	+	1	37381	86079		+	1	34923	74622
	-		245	79630		-		245	82987
43	.99617	48974	38944		53	.99631	09273	64435	
	+	1	37136	06449		+	1	34677	91635
	-		245	79970		-		245	83319
44	.99618	86110	45393		54	.99632	43951	56070	
	+	1	36890	26479		+	1	34432	08316
	-		245	80305		-		245	83651
45	.99620	23000	71872		55	.99633	78383	64386	
	+	1	36644	46174		+	1	34186	24665
	-		245	80644		-		245	83981
46	.99621	59645	18046		56	.99635	12569	89051	
	+	1	36398	65530		+	1	33940	40684
	-		245	80980		-		245	84313
47	.99622	96043	83576		57	.99636	46510	29735	
	+	1	36152	84550		+	1	33694	56371
	-		245	81317		-		245	84642
48	.99624	32196	68126		58	.99637	80204	86106	
	+	1	35907	03233		+	1	33448	71729
	-		245	81651		-		245	84972
49	.99625	68103	71359		59	.99639	13653	57835	
	+	1	35661	21582		+	1	33202	86757
	-		245	81986		-		245	85299

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

94^c	Sine.			94^c	Sine.				
60'	.99640	46856	44592	70'	.99653	65362	66731		
	+	1	32957	01458		+	1	30498	30513
	-		245	85629		-		245	88875
61	.99641	79813	46050	71	.99654	95860	97244		
	+	1	32711	15829		+	1	30252	41638
	-		245	85955		-		245	89197
62	.99643	12524	61879	72	.99656	26113	38882		
	+	1	32465	29874		+	1	30006	52441
	-		245	86283		-		245	89518
63	.99644	44989	91753	73	.99657	56119	91323		
	+	1	32219	43591		+	1	29760	62923
	-		245	86609		-		245	89837
64	.99645	77209	35344	74	.99658	85880	54246		
	+	1	31973	56982		+	1	29514	73086
	-		245	86934		-		245	90158
65	.99647	09182	92326	75	.99660	15395	27332		
	+	1	31727	70048		+	1	29268	82928
	-		245	87259		-		245	90476
66	.99648	40910	62374	76	.99661	44664	10260		
	+	1	31481	82789		+	1	29022	92452
	-		245	87584		-		245	90795
67	.99649	72392	45163	77	.99662	73687	02712		
	+	1	31235	95205		+	1	28777	01657
	-		245	87908		-		245	91112
68	.99651	03628	40368	78	.99664	02464	04369		
	+	1	30990	07297		+	1	28531	10545
	-		245	88231		-		245	91429
69	.99652	34618	47665	79	.99665	30995	14914		
	+	1	30744	19066		+	1	28285	19116
	-		245	88553		-		245	91747

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

94^c	Sine.				94^c	Sine.			
80'	.99666	59280	34030		90'	.99679	28606	27227	
	+	1	28039	27369		+	1	25579	92633
	-		245	92061		-		245	95187
81	.99667	87319	61399		91	.99680	54186	19860	
	+	1	27793	35308		+	1	25333	97446
	-		245	92378		-		245	95497
82	.99669	15112	96707		92	.99681	79520	17306	
	+	1	27547	42930		+	1	25088	01949
	-		245	92691		-		245	95806
83	.99670	42660	39637		93	.99683	04608	19255	
	+	1	27301	50239		+	1	24842	06143
	-		245	93007		-		245	96114
84	.99671	69961	89876		94	.99684	29450	25398	
	+	1	27055	57232		+	1	24596	10029
	-		245	93320		-		245	96421
85	.99672	97017	47108		95	.99685	54046	35427	
	+	1	26809	63912		+	1	24350	13608
	-		245	93631		-		245	96728
86	.99674	23827	11020		96	.99686	78396	49035	
	+	1	26563	70281		+	1	24104	16880
	-		245	93946		-		245	97034
87	.99675	50390	81301		97	.99688	02500	65915	
	+	1	26317	76335		+	1	23858	19846
	-		245	94256		-		245	97340
88	.99676	76708	57636		98	.99689	26358	85761	
	+	1	26071	82079		+	1	23612	22506
	-		245	94567		-		245	97645
89	.99678	02780	39715		99	.99690	49971	08267	
	+	1	25825	87512		+	1	23366	24861
	-		245	94879		-		245	97949

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

95^c	Sine.			95^c	Sine.				
00'	.99691	73337	33128	10'	.99703	93470	44609		
	+	1	23120	26912		+	1	20660	30812
	-		245	98253		-		246	01258
01	.99692	96457	60040	11	.99705	14130	75421		
	+	1	22874	28659		+	1	20414	29554
	-		245	98556		-		246	01554
02	.99694	19331	88699	12	.99706	34545	04975		
	+	1	22628	30103		+	1	20168	28000
	-		245	98859		-		246	01852
03	.99695	41960	18802	13	.99707	54713	32975		
	+	1	22382	31244		+	1	19922	26148
	-		245	99161		-		246	02146
04	.99696	64342	50046	14	.99708	74635	59123		
	+	1	22136	32083		+	1	19676	24002
	-		245	99461		-		246	02443
05	.99697	86478	82129	15	.99709	94311	83125		
	+	1	21890	32622		+	1	19430	21559
	-		245	99764		-		246	02737
06	.99699	08369	14751	16	.99711	13742	04684		
	+	1	21644	32858		+	1	19184	18822
	-		246	00063		-		246	03030
07	.99700	30013	47609	17	.99712	32926	23506		
	+	1	21398	32795		+	1	18938	15792
	-		246	00362		-		246	03325
08	.99701	51411	80404	18	.99713	51864	39298		
	+	1	21152	32433		+	1	18692	12467
	-		246	00661		-		246	03618
09	.99702	72564	12837	19	.99714	70556	51765		
	+	1	20906	31772		+	1	18446	08849
	-		246	00960		-		246	03909

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

95°	Sine.			95°	Sine.				
20'	.99715	89002	60614	30'	.99727	59930	86157		
	+	1	18200	04940		+	1	15739	49903
	-		246	04202		-		246	07084
21	.99717	07202	65554	31	.99728	75670	36060		
	+	1	17954	00738		+	1	15493	42819
	-		246	04492		-		246	07370
22	.99718	25156	66292	32	.99729	91163	78879		
	+	1	17707	96246		+	1	15247	35449
	-		246	04782		-		246	07653
23	.99719	42864	62538	33	.99731	06411	14328		
	+	1	17461	91464		+	1	15001	27796
	-		246	05073		-		246	07938
24	.99720	60326	54002	34	.99732	21412	42124		
	+	1	17215	86391		+	1	14755	19858
	-		246	05362		-		246	08220
25	.99721	77542	40393	35	.99733	36167	61982		
	+	1	16969	81029		+	1	14509	11638
	-		246	05651		-		246	08503
26	.99722	94512	21422	36	.99734	50676	73620		
	+	1	16723	75378		+	1	14263	03135
	-		246	05937		-		246	08786
27	.99724	11235	96800	37	.99735	64939	76755		
	+	1	16477	69441		+	1	14016	94349
	-		246	06227		-		246	09065
28	.99725	27713	66241	38	.99736	78956	71104		
	+	1	16231	63214		+	1	13770	85284
	-		246	06512		-		246	09348
29	.99726	43945	29455	39	.99737	92727	56388		
	+	1	15985	56702		+	1	13524	75936
	-		246	06799		-		246	09627

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

95^c	Sine.			95^c	Sine.				
40'	.99739	06252	32324	50'	.99750	27964	16270		
	+	1	13278	66309		+	1	10817	54764
	-		246	09907		-		246	12668
41	.99740	19530	98633	51	.99751	38781	71034		
	+	1	13032	56402		+	1	10571	42096
	-		246	10186		-		246	12941
42	.99741	32563	55035	52	.99752	49353	13130		
	+	1	12786	46216		+	1	10325	29155
	-		246	10463		-		246	13214
43	.99742	45350	01251	53	.99753	59678	42285		
	+	1	12540	35753		+	1	10079	15941
	-		246	10742		-		246	13484
44	.99743	57890	37004	54	.99754	69757	58226		
	+	1	12294	25011		+	1	09833	02457
	-		246	11019		-		246	13757
45	.99744	70184	62015	55	.99755	79590	60683		
	+	1	12048	13992		+	1	09586	88700
	-		246	11294		-		246	14026
46	.99745	82232	76007	56	.99756	89177	49383		
	+	1	11802	02698		+	1	09340	74674
	-		246	11572		-		246	14297
47	.99746	94034	78705	57	.99757	98518	24057		
	+	1	11555	91126		+	1	09094	60377
	-		246	11846		-		246	14564
48	.99748	05590	69831	58	.99759	07612	84434		
	+	1	11309	79280		+	1	08848	45813
	-		246	12121		-		246	14835
49	.99749	16900	49111	59	.99760	16461	30247		
	+	1	11063	67159		+	1	08602	30978
	-		246	12395		-		246	15101

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

95^c	Sine.				95^c	Sine.			
60'	.99761	25063	61225		70'	.99771	97547	96491	
	+	1	08356	15877		+	1	05894	50253
	-		246	15370		-		246	18010
61	.99762	33419	77102		71	.99773	03442	46744	
	+	1	08110	00507		+	1	05648	32243
	-		246	15636		-		246	18270
62	.99763	41529	77609		72	.99774	09090	78987	
	+	1	07863	84871		+	1	05402	13973
	-		246	15902		-		246	18529
63	.99764	49393	62480		73	.99775	14492	92960	
	+	1	07617	68969		+	1	05155	95444
	-		246	16167		-		246	18791
64	.99765	57011	31449		74	.99776	19648	88404	
	+	1	07371	52802		+	1	04909	76653
	-		246	16434		-		246	19048
65	.99766	64382	84251		75	.99777	24558	65057	
	+	1	07125	36368		+	1	04663	57605
	-		246	16696		-		246	19307
66	.99767	71508	20619		76	.99778	29222	22662	
	+	1	06879	19672		+	1	04417	38298
	-		246	16961		-		246	19564
67	.99768	78387	40291		77	.99779	33639	60960	
	+	1	06633	02711		+	1	04171	18734
	-		246	17223		-		246	19821
68	.99769	85020	43002		78	.99780	37810	79694	
	+	1	06386	85488		+	1	03924	98913
	-		246	17487		-		246	20079
69	.99770	91407	28490		79	.99781	41735	78607	
	+	1	06140	68001		+	1	03678	78834
	-		246	17748		-		246	20333

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

95^c	Sine.			95^c	Sine.				
80'	.99782	45414	57441	90'	.99792	68660	85527		
	+	1	03432	58501		+	1	00970	41228
	-		246	20589		-		246	23107
81	.99783	48847	15942	91	.99793	69631	26755		
	+	1	03186	37912		+	1	00724	18121
	-		246	20843		-		246	23357
82	.99784	52033	53854	92	.99794	70355	44876		
	+	1	02940	17069		+	1	00477	94764
	-		246	21098		-		246	23604
83	.99785	54973	70923	93	.99795	70833	39640		
	+	1	02693	95971		+	1	00231	71160
	-		246	21350		-		246	23851
84	.99786	57667	66894	94	.99796	71065	10800		
	+	1	02447	74621		+		99985	47309
	-		246	21605		-		246	24098
85	.99787	60115	41515	95	.99797	71050	58109		
	+	1	02201	53016		+		99739	23211
	-		246	21855		-		246	24344
86	.99788	62316	94531	96	.99798	70789	81320		
	+	1	01955	31161		+		99492	98867
	-		246	22108		-		246	24589
87	.99789	64272	25692	97	.99799	70282	80187		
	+	1	01709	09053		+		99246	74278
	-		246	22357		-		246	24836
88	.99790	65981	34745	98	.99800	69529	54465		
	+	1	01462	86696		+		99000	49442
	-		246	22610		-		246	25077
89	.99791	67444	21441	99	.99801	68530	03907		
	+	1	01216	64086		+		98754	24365
	-		246	22858		-		246	25324

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

96^c	Sine.			96^c	Sine.		
00'	.99802	67284	28272	10'	.99812	41282	39275
	+	98507	99041		+	96045	32549
	-	246	25565		-	246	27962
01	.99803	65792	27313	11	.99813	37327	71824
	+	98261	73476		+	95799	04587
	-	246	25807		-	246	28200
02	.99804	64054	00789	12	.99814	33126	76411
	+	98015	47669		+	95552	76387
	-	246	26051		-	246	28434
03	.99805	62069	48458	13	.99815	28679	52798
	+	97769	21618		+	95306	47953
	-	246	26291		-	246	28670
04	.99806	59838	70076	14	.99816	23986	00751
	+	97522	95327		+	95060	19283
	-	246	26531		-	246	28904
05	.99807	57361	65403	15	.99817	19046	20034
	+	97276	68796		+	94813	90379
	-	246	26772		-	246	29139
06	.99808	54638	34199	16	.99818	13860	10413
	+	97030	42024		+	94567	61240
	-	246	27011		-	246	29372
07	.99809	51668	76223	17	.99819	08427	71653
	+	96784	15013		+	94321	31868
	-	246	27249		-	246	29604
08	.99810	48452	91236	18	.99820	02749	03521
	+	96537	87764		+	94075	02264
	-	246	27489		-	246	29837
09	.99811	44990	79000	19	.99820	96824	05785
	+	96291	60275		+	93828	72427
	-	246	27726		-	246	30068

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

96^c	Sine.			96^c	Sine.		
20'	.99821	90652	78212	30'	.99831	15393	10835
	+	93582	42359		+	91119	29078
	-	246	30299		-	246	32574
21	.99822	84235	20571	31	.99832	06512	39913
	+	93336	12060		+	90872	96504
	-	246	30530		-	246	32800
22	.99823	77571	32631	32	.99832	97385	36417
	+	93089	81530		+	90626	63704
	-	246	30758		-	246	33022
23	.99824	70661	14161	33	.99833	88012	00121
	+	92843	50772		+	90380	30682
	-	246	30989		-	246	33246
24	.99825	63504	64933	34	.99834	78392	30803
	+	92597	19783		+	90133	97436
	-	246	31216		-	246	33468
25	.99826	56101	84716	35	.99835	68526	28239
	+	92350	88567		+	89887	63968
	-	246	31445		-	246	33689
26	.99827	48452	73283	36	.99836	58413	92207
	+	92104	57122		+	89641	30279
	-	246	31672		-	246	33911
27	.99828	40557	30405	37	.99837	48055	22486
	+	91858	25450		+	89394	96368
	-	246	31897		-	246	34132
28	.99829	32415	55855	38	.99838	37450	18854
	+	91611	93553		+	89148	62236
	-	246	32126		-	246	34351
29	.99830	24027	49408	39	.99839	26598	81090
	+	91365	61427		+	88902	27885
	-	246	32349		-	246	34571

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

96^c	Sine.				96^c	Sine.			
40'	.99840	15501	08975		50'	.99848	90974	50538	
	+	88655	93314			+	86192	35675	
	-	246	34789			-	246	36943	
41	.99841	04157	02289		51	.99849	77166	86213	
	+	88409	58525			+	85945	98732	
	-	246	35008			-	246	37156	
42	.99841	92566	60814		52	.99850	63112	84945	
	+	88163	23517			+	85699	61576	
	-	246	35226			-	246	37367	
43	.99842	80729	84331		53	.99851	48812	46521	
	+	87916	88291			+	85453	24209	
	-	246	35441			-	246	37578	
44	.99843	68646	72622		54	.99852	34265	70730	
	+	87670	52850			+	85206	86631	
	-	246	35659			-	246	37788	
45	.99844	56317	25472		55	.99853	19472	57361	
	+	87424	17191			+	84960	48843	
	-	246	35874			-	246	37998	
46	.99845	43741	42663		56	.99854	04433	06204	
	+	87177	81317			+	84714	10845	
	-	246	36089			-	246	38207	
47	.99846	30919	23980		57	.99854	89147	17049	
	+	86931	45228			+	84467	72638	
	-	246	36304			-	246	38415	
48	.99847	17850	69208		58	.99855	73614	89687	
	+	86685	08924			+	84221	34223	
	-	246	36518			-	246	38623	
49	.99848	04535	78132		59	.99856	57836	23910	
	+	86438	72406			+	83974	95600	
	-	246	36731			-	246	38831	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

96^c	Sine.			96^c	Sine.		
60'	.99857	41811	19510	70'	.99865	68009	05955
	+	83728	56769		+	81264	57204
	-	246	39036		-	246	41069
61	.99858	25539	76279	71	.99866	49273	63159
	+	83482	17733		+	81018	16135
	-	246	39243		-	246	41269
62	.99859	09021	94012	72	.99867	30291	79294
	+	83235	78490		+	80771	74866
	-	246	39449		-	246	41468
63	.99859	92257	72502	73	.99868	11063	54160
	+	82989	39041		+	80525	33398
	-	246	39652		-	246	41668
64	.99860	75247	11543	74	.99868	91588	87558
	+	82742	99389		+	80278	91730
	-	246	39858		-	246	41866
65	.99861	57990	10932	75	.99869	71867	79288
	+	82496	59531		+	80032	49864
	-	246	40060		-	246	42062
66	.99862	40486	70463	76	.99870	51900	29152
	+	82250	19471		+	79786	07802
	-	246	40264		-	246	42260
67	.99863	22736	89934	77	.99871	31686	36954
	+	82003	79207		+	79539	65542
	-	246	40466		-	246	42455
68	.99864	04740	69141	78	.99872	11226	02496
	+	81757	38741		+	79293	23087
	-	246	40668		-	246	42653
69	.99864	86498	07882	79	.99872	90519	25583
	+	81510	98073		+	79046	80434
	-	246	40869		-	246	42845

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

96^c	Sine.				96^c	Sine.			
80'	.99873	69566	06017		90'	.99881	46480	21921	
	+	78800	37589			+	76335	98529	
	-	246	43042			-	246	44952	
81	.99874	48366	43606		91	.99882	22816	20450	
	+	78553	94547			+	76089	53577	
	-	246	43235			-	246	45140	
82	.99875	26920	38153		92	.99882	98905	74027	
	+	78307	51312			+	75843	08437	
	-	246	43428			-	246	45327	
83	.99876	05227	89465		93	.99883	74748	82464	
	+	78061	07884			+	75596	63110	
	-	246	43620			-	246	45513	
84	.99876	83288	97349		94	.99884	50345	45574	
	+	77814	64264			+	75350	17597	
	-	246	43814			-	246	45699	
85	.99877	61103	61613		95	.99885	25695	63171	
	+	77568	20450			+	75103	71898	
	-	246	44003			-	246	45885	
86	.99878	38671	82063		96	.99886	00799	35069	
	+	77321	76447			+	74857	26013	
	-	246	44195			-	246	46069	
87	.99879	15993	58510		97	.99886	75656	61082	
	+	77075	32252			+	74610	79944	
	-	246	44385			-	246	46254	
88	.99879	93068	90762		98	.99887	50267	41026	
	+	76828	87867			+	74364	33690	
	-	246	44575			-	246	46436	
89	.99880	69897	78629		99	.99888	24631	74716	
	+	76582	43292			+	74117	87254	
	-	246	44763			-	246	46620	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

97 ^c	Sine.				97 ^c	Sine.			
00'	.99888	98749	61970		10'	.99896	26372	40549	
	+	73871	40634			+	71406	64512	
	-	246	46802			-	246	48590	
01	.99889	72621	02604		11	.99896	97779	05061	
	+	73624	93832			+	71160	15922	
	-	246	46984			-	246	48768	
02	.99890	46245	96436		12	.99897	68939	20983	
	+	73378	46848			+	70913	67154	
	-	246	47164			-	246	48942	
03	.99891	19624	43284		13	.99898	39852	88137	
	+	73131	99684			+	70667	18212	
	-	246	47345			-	246	49115	
04	.99891	92756	42968		14	.99899	10520	06349	
	+	72885	52339			+	70420	69097	
	-	246	47526			-	246	49291	
05	.99892	65641	95307		15	.99899	80940	75446	
	+	72639	04813			+	70174	19806	
	-	246	47703			-	246	49463	
06	.99893	38281	00120		16	.99900	51114	95252	
	+	72392	57110			+	69927	70343	
	-	246	47884			-	246	49635	
07	.99894	10673	57230		17	.99901	21042	65595	
	+	72146	09226			+	69681	20708	
	-	246	48060			-	246	49808	
08	.99894	82819	66456		18	.99901	90723	86303	
	+	71899	61166			+	69434	70900	
	-	246	48239			-	246	49978	
09	.99895	54719	27622		19	.99902	60158	57203	
	+	71653	12927			+	69188	20922	
	-	246	48415			-	246	50150	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

97°	Sine.				97°	Sine.			
20'	.99903	29346	78125		30'	.99910	07671	01245	
	+	68941	70772			+	66476	60021	
	-	246	50320			-	246	51988	
21	.99903	98288	48897		31	.99910	74147	61266	
	+	68695	20452			+	66230	08033	
	-	246	50489			-	246	52151	
22	.99904	66983	69349		32	.99911	40377	69299	
	+	68448	69963			+	65983	55882	
	-	246	50659			-	246	52313	
23	.99905	35432	39312		33	.99912	06361	25181	
	+	68202	19304			+	65737	03569	
	-	246	50825			-	246	52475	
24	.99906	03634	58616		34	.99912	72098	28750	
	+	67955	68479			+	65490	51094	
	-	246	50995			-	246	52638	
25	.99906	71590	27095		35	.99913	37588	79844	
	+	67709	17484			+	65243	98456	
	-	246	51160			-	246	52799	
26	.99907	39299	44579		36	.99914	02832	78300	
	+	67462	66324			+	64997	45657	
	-	246	51328			-	246	52958	
27	.99908	06762	10903		37	.99914	67830	23957	
	+	67216	14996			+	64750	92699	
	-	246	51494			-	246	53118	
28	.99908	73978	25899		38	.99915	32581	16656	
	+	66969	63502			+	64504	39581	
	-	246	51658			-	246	53278	
29	.99909	40947	89401		39	.99915	97085	56237	
	+	66723	11844			+	64257	86303	
	-	246	51823			-	246	53436	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

97°	Sine.			97°	Sine.		
40'	.99916	61343	42540	50'	.99922	90362	40723
	+	64011	32867		+	61545	89919
	-	246	53594		-	246	55140
41	.99917	25354	75407	51	.99923	51908	30642
	+	63764	79273		+	61299	34779
	-	246	53752		-	246	55291
42	.99917	89119	54680	52	.99924	13207	65421
	+	63518	25521		+	61052	79488
	-	246	53908		-	246	55443
43	.99918	52637	80201	53	.99924	74260	44909
	+	63271	71613		+	60806	24045
	-	246	54064		-	246	55591
44	.99919	15909	51814	54	.99925	35066	68954
	+	63025	17549		+	60559	68454
	-	246	54219		-	246	55741
45	.99919	78934	69363	55	.99925	95626	37408
	+	62778	63330		+	60313	12713
	-	246	54376		-	246	55891
46	.99920	41713	32693	56	.99926	55939	50121
	+	62532	08954		+	60066	56822
	-	246	54528		-	246	56038
47	.99921	04245	41647	57	.99927	16006	06943
	+	62285	54426		+	59820	00784
	-	246	54683		-	246	56187
48	.99921	66530	96073	58	.99927	75826	07727
	+	62038	99743		+	59573	44597
	-	246	54836		-	246	56332
49	.99922	28569	95816	59	.99928	35399	52324
	+	61792	44907		+	59326	88265
	-	246	54988		-	246	56479

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

97°	Sine.			97°	Sine.		
60'	.99928	94726	40589	70'	.99934	74433	93018
	+	59080	31786		+	56614	59074
	-	246	56626		-	246	58049
61	.99929	53806	72375	71	.99935	31048	52092
	+	58833	75160		+	56368	01025
	-	246	56770		-	246	58189
62	.99930	12640	47535	72	.99935	87416	53117
	+	58587	18390		+	56121	42836
	-	246	56915		-	246	58326
63	.99930	71227	65925	73	.99936	43537	95953
	+	58340	61475		+	55874	84510
	-	246	57059		-	246	58466
64	.99931	29568	27400	74	.99936	99412	80463
	+	58094	04416		+	55628	26044
	-	246	57202		-	246	58602
65	.99931	87662	31816	75	.99937	55041	06507
	+	57847	47214		+	55381	67442
	-	246	57345		-	246	58738
66	.99932	45509	79030	76	.99938	10422	73949
	+	57600	89869		+	55135	08704
	-	246	57487		-	246	58876
67	.99933	03110	68899	77	.99938	65557	82653
	+	57354	32382		+	54888	49828
	-	246	57629		-	246	59009
68	.99933	60465	01281	78	.99939	20446	32481
	+	57107	74753		+	54641	90819
	-	246	57769		-	246	59146
69	.99934	17572	76034	79	.99939	75088	23300
	+	56861	16984		+	54395	31673
	-	246	57910		-	246	59279

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

97 ^c	Sine.				97 ^c	Sine.			
80'	.99940	29483	54973		90'	.99945	59873	89500	
	+	54148	72394			+	51682	72353	
	-	246	59413			-	246	60715	
81	.99940	83632	27367		91	.99946	11556	61853	
	+	53902	12981			+	51436	11638	
	-	246	59546			-	246	60843	
82	.99941	37534	40348		92	.99946	62992	73491	
	+	53655	53435			+	51189	50795	
	-	246	59678			-	246	60969	
83	.99941	91189	93783		93	.99947	14182	24286	
	+	53408	93757			+	50942	89826	
	-	246	59810			-	246	61094	
84	.99942	44598	87540		94	.99947	65125	14112	
	+	53162	33947			+	50696	28732	
	-	246	59942			-	246	61219	
85	.99942	97761	21487		95	.99948	15821	42844	
	+	52915	74005			+	50449	67513	
	-	246	60071			-	246	61344	
86	.99943	50676	95492		96	.99948	66271	10357	
	+	52669	13934			+	50203	06169	
	-	246	60202			-	246	61469	
87	.99944	03346	09426		97	.99949	16474	16526	
	+	52422	53732			+	49956	44700	
	-	246	60331			-	246	61590	
88	.99944	55768	63158		98	.99949	66430	61226	
	+	52175	93401			+	49709	83110	
	-	246	60460			-	246	61714	
89	.99945	07944	56559		99	.99950	16140	44336	
	+	51929	32941			+	49463	21396	
	-	246	60588			-	246	61836	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

98°	Sine.				98°	Sine.			
00'	.99950	65603	65732		10'	.99955	46671	58883	
	+	49216	59560			+	46750	34623	
	-	246	61958			-	246	63138	
01	.99951	14820	25292		11	.99955	93421	93506	
	+	48969	97602			+	46503	71485	
	-	246	62077			-	246	63252	
02	.99951	63790	22894		12	.99956	39925	64991	
	+	48723	35525			+	46257	08233	
	-	246	62199			-	246	63368	
03	.99952	12513	58419		13	.99956	86182	73224	
	+	48476	73326			+	46010	44865	
	-	246	62317			-	246	63481	
04	.99952	60990	31745		14	.99957	32193	18089	
	+	48230	11009			+	45763	81384	
	-	246	62438			-	246	63593	
05	.99953	09220	42754		15	.99957	77956	99473	
	+	47983	48571			+	45517	17791	
	-	246	62555			-	246	63706	
06	.99953	57203	91325		16	.99958	23474	17264	
	+	47736	86016			+	45270	54085	
	-	246	62673			-	246	63817	
07	.99954	04940	77341		17	.99958	68744	71349	
	+	47490	23343			+	45023	90268	
	-	246	62790			-	246	63929	
08	.99954	52431	00684		18	.99959	13768	61617	
	+	47243	60553			+	44777	26339	
	-	246	62907			-	246	64038	
09	.99954	99674	61237		19	.99959	58545	87956	
	+	46996	97646			+	44530	62301	
	-	246	63023			-	246	64150	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

98°	Sine.				98°	Sine.			
20'	.99960	03076	50257		30'	.99964	34817	27238	
	+	44283	98151			+	41817	50753	
	-	246	64258			-	246	65318	
21	.99960	47360	48408		31	.99964	76634	77991	
	+	44037	33893			+	41570	85435	
	-	246	64367			-	246	65420	
22	.99960	91397	82301		32	.99965	18205	63426	
	+	43790	69526			+	41324	20015	
	-	246	64475			-	246	65522	
23	.99961	35188	51827		33	.99965	59529	83441	
	+	43544	05051			+	41077	54493	
	-	246	64582			-	246	65623	
24	.99961	78732	56878		34	.99966	00607	37934	
	+	43297	40469			+	40830	88870	
	-	246	64689			-	246	65724	
25	.99962	22029	97347		35	.99966	41438	26804	
	+	43050	75780			+	40584	23146	
	-	246	64796			-	246	65824	
26	.99962	65080	73127		36	.99966	82022	49950	
	+	42804	10984			+	40337	57322	
	-	246	64901			-	246	65924	
27	.99963	07884	84111		37	.99967	22360	07272	
	+	42557	46083			+	40090	91398	
	-	246	65006			-	246	66023	
28	.99963	50442	30194		38	.99967	62450	98670	
	+	42310	81077			+	39844	25375	
	-	246	65110			-	246	66120	
29	.99963	92753	11271		39	.99968	02295	24045	
	+	42064	15967			+	39597	59255	
	-	246	65214			-	246	66219	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

98°	Sine.				98°	Sine.			
40'	.99968	41892	83300		50'	.99972	24302	18001	
	+	39350	93036			+	36884	25609	
	-	246	66316			-	246	67252	
41	.99968	81243	76336		51	.99972	61186	43610	
	+	39104	26720			+	36637	58357	
	-	246	66412			-	246	67344	
42	.99969	20348	03056		52	.99972	97824	01967	
	+	38857	60308			+	36390	91013	
	-	246	66508			-	246	67434	
43	.99969	59205	63364		53	.99973	34214	92980	
	+	38610	93800			+	36144	23579	
	-	246	66604			-	246	67522	
44	.99969	97816	57164		54	.99973	70359	16559	
	+	38364	27196			+	35897	56057	
	-	246	66697			-	246	67611	
45	.99970	36180	84360		55	.99974	06256	72616	
	+	38117	60499			+	35650	88446	
	-	246	66793			-	246	67699	
46	.99970	74298	44859		56	.99974	41907	61062	
	+	37870	93706			+	35404	20747	
	-	246	66885			-	246	67787	
47	.99971	12169	38565		57	.99974	77311	81809	
	+	37624	26821			+	35157	52960	
	-	246	66978			-	246	67873	
48	.99971	49793	65386		58	.99975	12469	34769	
	+	37377	59843			+	34910	85087	
	-	246	67071			-	246	67959	
49	.99971	87171	25229		59	.99975	47380	19856	
	+	37130	92772			+	34664	17128	
	-	246	67163			-	246	68045	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

98°	Sine.				98°	Sine.			
60'	.99975	82044	36984		70'	.99979	15118	51981	
	+	34417	49083			+	31950	64064	
	-	246	68130			-	246	68946	
61	.99976	16461	86067		71	.99979	47069	16045	
	+	34170	80953			+	31703	95118	
	-	246	68214			-	246	69024	
62	.99976	50632	67020		72	.99979	78773	11163	
	+	33924	12739			+	31457	26094	
	-	246	68298			-	246	69101	
63	.99976	84556	79759		73	.99980	10230	37257	
	+	33677	44441			+	31210	56993	
	-	246	68381			-	246	69178	
64	.99977	18234	24200		74	.99980	41440	94250	
	+	33430	76060			+	30963	87815	
	-	246	68463			-	246	69255	
65	.99977	51665	00260		75	.99980	72404	82065	
	+	33184	07597			+	30717	18560	
	-	246	68546			-	246	69331	
66	.99977	84849	07857		76	.99981	03122	00625	
	+	32937	39051			+	30470	49229	
	-	246	68626			-	246	69406	
67	.99978	17786	46908		77	.99981	33592	49854	
	+	32690	70425			+	30223	79823	
	-	246	68707			-	246	69480	
68	.99978	50477	17333		78	.99981	63816	29677	
	+	32444	01718			+	29977	10343	
	-	246	68788			-	246	69554	
69	.99978	82921	19051		79	.99981	93793	40020	
	+	32197	32930			+	29730	40789	
	-	246	68866			-	246	69628	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

98^c	Sine.				98^c	Sine.			
80'	.99982	23523	80809		90'	.99985	07259	47372	
	+	29483	71161			+	27016	70983	
	-	246	69700			-	246	70393	
81	.99982	53007	51970		91	.99985	34276	18355	
	+	29237	01461			+	26770	00590	
	-	246	69773			-	246	70462	
82	.99982	82244	53431		92	.99985	61046	18945	
	+	28990	31688			+	26523	30128	
	-	246	69844			-	246	70525	
83	.99983	11234	85119		93	.99985	87569	49073	
	+	28743	61844			+	26276	59603	
	-	246	69915			-	246	70591	
84	.99983	39978	46963		94	.99986	13846	08676	
	+	28496	91929			+	26029	89012	
	-	246	69986			-	246	70655	
85	.99983	68475	38892		95	.99986	39875	97688	
	+	28250	21943			+	25783	18357	
	-	246	70054			-	246	70718	
86	.99983	96725	60835		96	.99986	65659	16045	
	+	28003	51889			+	25536	47639	
	-	246	70124			-	246	70782	
87	.99984	24729	12724		97	.99986	91195	63684	
	+	27756	81765			+	25289	76857	
	-	246	70194			-	246	70844	
88	.99984	52485	94489		98	.99987	16485	40541	
	+	27510	11571			+	25043	06013	
	-	246	70259			-	246	70906	
89	.99984	79996	06060		99	.99987	41528	46554	
	+	27263	41312			+	24796	35107	
	-	246	70329			-	246	70967	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

99 ^c	Sine.				99 ^c	Sine.			
00'	.99987	66324	81661		10'	.99990	00719	19754	
	+	24549	64140			+	22082	51239	
	-	246	71028			-	246	71600	
01	.99987	90874	45801		11	.99990	22801	70993	
	+	24302	93112			+	21835	79639	
	-	246	71087			-	246	71653	
02	.99988	15177	38913		12	.99990	44637	50632	
	+	24056	22025			+	21589	07986	
	-	246	71147			-	246	71708	
03	.99988	39233	60938		13	.99990	66226	58618	
	+	23809	50878			+	21342	36278	
	-	246	71205			-	246	71759	
04	.99988	63043	11816		14	.99990	87568	94896	
	+	23562	79673			+	21095	64519	
	-	246	71264			-	246	71811	
05	.99988	86605	91489		15	.99991	08664	59415	
	+	23316	08409			+	20848	92708	
	-	246	71322			-	246	71864	
06	.99989	09921	99898		16	.99991	29513	52123	
	+	23069	37087			+	20602	20844	
	-	246	71378			-	246	71913	
07	.99989	32991	36985		17	.99991	50115	72967	
	+	22822	65709			+	20355	48931	
	-	246	71434			-	246	71965	
08	.99989	55814	02694		18	.99991	70471	21898	
	+	22575	94275			+	20108	76966	
	-	246	71490			-	246	72014	
09	.99989	78389	96969		19	.99991	90579	98864	
	+	22329	22785			+	19862	04952	
	-	246	71546			-	246	72062	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

99 ^c	Sine.				99 ^c	Sine.			
20'	.99992	10442	03816		30'	.99993	95492	82101	
	+	19615	32890			+	17148	09701	
	-	246	72112			-	246	72563	
21	.99992	30057	36706		31	.99994	12640	91802	
	+	19368	60778			+	16901	37138	
	-	246	72158			-	246	72603	
22	.99992	49425	97484		32	.99994	29542	28940	
	+	19121	88620			+	16654	64535	
	-	246	72207			-	246	72644	
23	.99992	68547	86104		33	.99994	46196	93475	
	+	18875	16413			+	16407	91891	
	-	246	72253			-	246	72686	
24	.99992	87423	02517		34	.99994	62604	85366	
	+	18628	44160			+	16161	19205	
	-	246	72298			-	246	72724	
25	.99993	06051	46677		35	.99994	78766	04571	
	+	18381	71862			+	15914	46481	
	-	246	72344			-	246	72765	
26	.99993	24433	18539		36	.99994	94680	51052	
	+	18134	99518			+	15667	73716	
	-	246	72389			-	246	72802	
27	.99993	42568	18057		37	.99995	10348	24768	
	+	17888	27129			+	15421	00914	
	-	246	72433			-	246	72841	
28	.99993	60456	45186		38	.99995	25769	25682	
	+	17641	54696			+	15174	28073	
	-	246	72477			-	246	72878	
29	.99993	78097	99882		39	.99995	40943	53755	
	+	17394	82219			+	14927	55195	
	-	246	72518			-	246	72916	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

99 ^c	Sine.				99 ^c	Sine.			
40'	.99995	55871	08950		50'	.99996	91576	44790	
	+	14680	82279			+	12213	51236	
	-	246	72950			-	246	73279	
41	.99995	70551	91229		51	.99997	03789	96026	
	+	14434	09329			+	11966	77957	
	-	246	72988			-	246	73310	
42	.99995	84986	00558		52	.99997	15756	73983	
	+	14187	36341			+	11720	04647	
	-	246	73022			-	246	73339	
43	.99995	99173	36899		53	.99997	27476	78630	
	+	13940	63319			+	11473	31308	
	-	246	73056			-	246	73366	
44	.99996	13114	00218		54	.99997	38950	09938	
	+	13693	90263			+	11226	57942	
	-	246	73090			-	246	73395	
45	.99996	26807	90481		55	.99997	50176	67880	
	+	13447	17173			+	10979	84547	
	-	246	73123			-	246	73422	
46	.99996	40255	07654		56	.99997	61156	52427	
	+	13200	44050			+	10733	11125	
	-	246	73157			-	246	73447	
47	.99996	53455	51704		57	.99997	71889	63552	
	+	12953	70893			+	10486	37678	
	-	246	73187			-	246	73475	
48	.99996	66409	22597		58	.99997	82376	01230	
	+	12706	97706			+	10239	64203	
	-	246	73219			-	246	73499	
49	.99996	79116	20303		59	.99997	92615	65433	
	+	12460	24487			+	9992	90704	
	-	246	73251			-	246	73524	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

99 ^c	Sine.				99 ^c	Sine.			
60'	.99998	02608	56137		70'	.99998	88967	15596	
	+	9746	17180			+	7278	80719	
	-	246	73547			-	246	73755	
61	.99998	12354	73317		71	.99998	96245	96315	
	+	9499	43633			+	7032	06964	
	-	246	73573			-	246	73772	
62	.99998	21854	16950		72	.99999	03278	03279	
	+	9252	70060			+	6785	33192	
	-	246	73593			-	246	73790	
63	.99998	31106	87010		73	.99999	10063	36471	
	+	9005	96467			+	6538	59402	
	-	246	73617			-	246	73804	
64	.99998	40112	83477		74	.99999	16601	95873	
	+	8759	22850			+	6291	85598	
	-	246	73638			-	246	73822	
65	.99998	48872	06327		75	.99999	22893	81471	
	+	8512	49212			+	6045	11776	
	-	246	73659			-	246	73835	
66	.99998	57384	55539		76	.99999	28938	93247	
	+	8265	75553			+	5798	37941	
	-	246	73679			-	246	73849	
67	.99998	65650	31092		77	.99999	34737	31188	
	+	8019	01874			+	5551	64092	
	-	246	73700			-	246	73865	
68	.99998	73669	32966		78	.99999	40288	95280	
	+	7772	28174			+	5304	90227	
	-	246	73718			-	246	73876	
69	.99998	81441	61140		79	.99999	45593	85507	
	+	7525	54456			+	5058	16351	
	-	246	73737			-	246	73889	

Sang's 1881 canon of sines (K41-K42) (reconstruction, D. Roegel, 2020)

99^c	Sine.				99^c	Sine.			
80'	.99999	50652	01858		90'	.99999	87662	99704	
	+	4811	42462			+	2344	03017	
	-	246	73902			-	246	73986	
81	.99999	55463	44320		91	.99999	90007	02721	
	+	4564	68560			+	2097	29031	
	-	246	73911			-	246	73992	
82	.99999	60028	12880		92	.99999	92104	31752	
	+	4317	94649			+	1850	55039	
	-	246	73924			-	246	73995	
83	.99999	64346	07529		93	.99999	93954	86791	
	+	4071	20725			+	1603	81044	
	-	246	73933			-	246	74001	
84	.99999	68417	28254		94	.99999	95558	67835	
	+	3824	46792			+	1357	07043	
	-	246	73942			-	246	74003	
85	.99999	72241	75046		95	.99999	96915	74878	
	+	3577	72850			+	1110	33040	
	-	246	73951			-	246	74005	
86	.99999	75819	47896		96	.99999	98026	07918	
	+	3330	98899			+	863	59035	
	-	246	73960			-	246	74010	
87	.99999	79150	46795		97	.99999	98889	66953	
	+	3084	24939			+	616	85025	
	-	246	73967			-	246	74008	
88	.99999	82234	71734		98	.99999	99506	51978	
	+	2837	50972			+	370	11017	
	-	246	73974			-	246	74012	
89	.99999	85072	22706		99	.99999	99876	62995	
	+	2590	76998			+	123	37005	
	-	246	73981			-	246	74010	