

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x^\circ$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
0,00	0,00000	100	0,00100	100	0,00200	100	0,00300	100	0,00400	100
0,01	0,01000	100	0,01100	100	0,01200	100	0,01300	100	0,01400	100
0,02	0,02000	100	0,02100	100	0,02200	100	0,02300	100	0,02400	101
0,03	0,03001	100	0,03101	100	0,03201	100	0,03301	100	0,03401	100
0,04	0,04002	100	0,04102	100	0,04202	101	0,04303	100	0,04403	100
0,05	0,05004	100	0,05104	101	0,05205	100	0,05305	100	0,05405	101
0,06	0,06007	101	0,06108	100	0,06208	100	0,06308	101	0,06409	100
0,07	0,07011	101	0,07112	100	0,07212	101	0,07313	101	0,07414	100
0,08	0,08017	101	0,08118	100	0,08218	101	0,08319	101	0,08420	101
0,09	0,09024	101	0,09125	101	0,09226	101	0,09327	101	0,09428	101
0,10	0,10033	101	0,10134	102	0,10236	101	0,10337	101	0,10438	101
0,11	0,11045	101	0,11146	101	0,11247	101	0,11348	102	0,11450	101
0,12	0,12058	101	0,12159	102	0,12261	101	0,12362	102	0,12464	102
0,13	0,13074	101	0,13175	102	0,13277	102	0,13379	102	0,13481	102
0,14	0,14092	102	0,14194	102	0,14296	102	0,14398	102	0,14500	102
0,15	0,15114	102	0,15216	102	0,15318	103	0,15421	102	0,15523	102
0,16	0,16138	103	0,16241	102	0,16343	103	0,16446	103	0,16549	102
0,17	0,17166	103	0,17269	103	0,17372	103	0,17475	103	0,17578	103
0,18	0,18197	103	0,18300	104	0,18404	103	0,18507	104	0,18611	103
0,19	0,19232	104	0,19336	103	0,19439	104	0,19543	104	0,19647	104
0,20	0,20271	104	0,20375	104	0,20479	105	0,20584	104	0,20688	104
0,21	0,21314	105	0,21419	104	0,21523	105	0,21628	105	0,21733	105
0,22	0,22362	105	0,22467	105	0,22572	105	0,22677	105	0,22782	106
0,23	0,23414	106	0,23520	105	0,23625	106	0,23731	106	0,23837	105
0,24	0,24472	106	0,24578	106	0,24684	106	0,24790	106	0,24896	106
0,25	0,25534	107	0,25641	106	0,25747	107	0,25854	107	0,25961	106
0,26	0,26602	107	0,26709	107	0,26816	108	0,26924	107	0,27031	107
0,27	0,27676	108	0,27784	107	0,27891	108	0,27999	108	0,28107	108
0,28	0,28755	109	0,28864	108	0,28972	109	0,29081	108	0,29189	109
0,29	0,29841	109	0,29950	109	0,30059	109	0,30168	109	0,30277	110
0,30	0,30934	109	0,31043	110	0,31153	110	0,31263	109	0,31372	110
0,31	0,32033	110	0,32143	110	0,32253	111	0,32364	110	0,32474	111
0,32	0,33139	111	0,33250	111	0,33361	111	0,33472	111	0,33583	112
0,33	0,34252	112	0,34364	112	0,34476	112	0,34588	112	0,34700	112
0,34	0,35374	112	0,35486	113	0,35599	113	0,35712	112	0,35824	113
0,35	0,36503	113	0,36616	114	0,36730	113	0,36843	114	0,36957	114
0,36	0,37640	114	0,37754	115	0,37869	114	0,37983	115	0,38098	114
0,37	0,38786	115	0,38901	116	0,39017	115	0,39132	115	0,39247	116
0,38	0,39941	116	0,40057	116	0,40173	117	0,40290	116	0,40406	116
0,39	0,41105	117	0,41222	117	0,41339	118	0,41457	117	0,41574	117
0,40	0,42279	118	0,42397	118	0,42515	118	0,42633	119	0,42752	118
0,41	0,43463	119	0,43582	119	0,43701	119	0,43820	120	0,43940	119
0,42	0,44657	120	0,44777	120	0,44897	121	0,45018	120	0,45138	120
0,43	0,45862	121	0,45983	121	0,46104	122	0,46226	121	0,46347	122
0,44	0,47078	122	0,47200	123	0,47323	122	0,47445	123	0,47568	122
0,45	0,48306	123	0,48429	123	0,48552	124	0,48676	124	0,48800	124
0,46	0,49545	124	0,49669	125	0,49794	125	0,49919	125	0,50044	125
0,47	0,50797	125	0,50922	126	0,51048	127	0,51175	126	0,51301	126
0,48	0,52061	127	0,52188	128	0,52316	127	0,52443	128	0,52571	127
0,49	0,53339	128	0,53467	129	0,53596	129	0,53725	129	0,53854	129

Błąd przybliżeń podanych na str. 496 i 497 jest nie większy niż 0,000005, a błąd przybliżenia otrzymanego przez interpolację liniową jest mniejszy niż 0,00000518 + błąd zaokrąglenia wyniku.

Przykład interpolacji na str. 502.

XXXII. Function $\operatorname{tg} x$ for x in radians ($\operatorname{tg} x^\circ$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
0,00500	100	0,00600	100	0,00700	100	0,00800	100	0,00900	100	0,00
0,01500	100	0,01600	100	0,01700	100	0,01800	100	0,01900	100	0,01
0,02501	100	0,02601	100	0,02701	100	0,02801	100	0,02901	100	0,02
0,03501	101	0,03602	100	0,03702	100	0,03802	100	0,03902	100	0,03
0,04503	100	0,04603	100	0,04703	101	0,04804	100	0,04904	100	0,04
0,05506	100	0,05606	100	0,05706	101	0,05807	100	0,05907	100	0,05
0,06509	101	0,06610	100	0,06710	101	0,06811	100	0,06911	100	0,06
0,07514	101	0,07615	100	0,07715	101	0,07816	100	0,07916	101	0,07
0,08521	100	0,08621	101	0,08722	101	0,08823	101	0,08924	100	0,08
0,09529	101	0,09630	101	0,09731	100	0,09831	101	0,09932	101	0,09
0,10539	101	0,10640	101	0,10741	101	0,10842	101	0,10943	102	0,10
0,11551	101	0,11652	102	0,11754	101	0,11855	101	0,11956	102	0,11
0,12566	101	0,12667	102	0,12769	101	0,12870	102	0,12972	102	0,12
0,13583	101	0,13684	102	0,13786	102	0,13888	102	0,13990	102	0,13
0,14602	103	0,14705	102	0,14807	102	0,14909	102	0,15011	103	0,14
0,15625	103	0,15728	102	0,15830	103	0,15933	102	0,16035	103	0,15
0,16651	103	0,16754	103	0,16857	103	0,16960	103	0,17063	103	0,16
0,17681	103	0,17784	103	0,17887	103	0,17990	104	0,18094	103	0,17
0,18714	104	0,18818	103	0,18921	104	0,19025	103	0,19128	104	0,18
0,19751	104	0,19855	104	0,19959	104	0,20063	104	0,20167	104	0,19
0,20792	104	0,20896	105	0,21001	104	0,21105	105	0,21210	104	0,20
0,21838	104	0,21942	105	0,22047	105	0,22152	105	0,22257	105	0,21
0,22888	105	0,22993	105	0,23098	105	0,23203	106	0,23309	105	0,22
0,23942	106	0,24048	106	0,24154	106	0,24260	106	0,24366	106	0,23
0,25002	107	0,25109	106	0,25215	106	0,25321	107	0,25428	106	0,24
0,26067	107	0,26174	107	0,26281	107	0,26388	107	0,26495	107	0,25
0,27138	108	0,27246	107	0,27353	108	0,27461	107	0,27568	108	0,26
0,28215	108	0,28323	108	0,28431	108	0,28539	108	0,28647	108	0,27
0,29298	108	0,29406	109	0,29515	109	0,29624	108	0,29732	109	0,28
0,30387	109	0,30496	109	0,30605	110	0,30715	109	0,30824	110	0,29
0,31482	110	0,31592	110	0,31702	110	0,31812	111	0,31923	110	0,30
0,32585	111	0,32696	110	0,32806	111	0,32917	111	0,33028	111	0,31
0,33695	111	0,33806	112	0,33918	111	0,34029	112	0,34141	111	0,32
0,34812	112	0,34924	113	0,35037	112	0,35149	112	0,35261	113	0,33
0,35937	113	0,36050	113	0,36163	113	0,36276	114	0,36390	113	0,34
0,37071	113	0,37184	114	0,37298	114	0,37412	114	0,37526	114	0,35
0,38212	115	0,38327	115	0,38442	114	0,38556	115	0,38671	115	0,36
0,39363	115	0,39478	116	0,39594	116	0,39710	115	0,39825	116	0,37
0,40522	117	0,40639	116	0,40755	117	0,40872	117	0,40989	116	0,38
0,41691	118	0,41809	117	0,41926	118	0,42044	117	0,42161	118	0,39
0,42870	118	0,42988	119	0,43107	119	0,43226	118	0,43344	119	0,40
0,44059	119	0,44178	120	0,44298	120	0,44418	119	0,44537	120	0,41
0,45258	121	0,45379	121	0,45500	120	0,45620	121	0,45741	121	0,42
0,46469	121	0,46590	122	0,46712	122	0,46834	122	0,46956	122	0,43
0,47690	123	0,47813	123	0,47936	123	0,48059	123	0,48182	124	0,44
0,48924	124	0,49048	124	0,49172	124	0,49296	124	0,49420	125	0,45
0,50169	125	0,50294	126	0,50420	125	0,50545	126	0,50671	126	0,46
0,51427	127	0,51554	126	0,51680	127	0,51807	127	0,51934	127	0,47
0,52698	128	0,52826	128	0,52954	128	0,53082	128	0,53210	129	0,48
0,53983	129	0,54112	129	0,54241	130	0,54371	129	0,54500	130	0,49

$\operatorname{tg} x^\circ$

The error of the approximations given on pp. 496 and 497 is not greater than 0,000005 and the error of an approximation obtained by linear interpolation is less than 0,00000518 + the error of rounding off the result.

An example of interpolation is given on p. 503.

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x^\circ$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
0,50	0,54630	130	0,54760	130	0,54890	130	0,55020	131	0,55151	130
0,51	0,55936	131	0,56067	132	0,56199	131	0,56330	132	0,56462	132
0,52	0,57256	133	0,57389	133	0,57522	133	0,57655	134	0,57789	133
0,53	0,58592	134	0,58726	135	0,58861	134	0,58995	135	0,59130	135
0,54	0,59943	136	0,60079	136	0,60215	136	0,60351	137	0,60488	137
0,55	0,61311	137	0,61448	138	0,61586	138	0,61724	138	0,61862	139
0,56	0,62695	139	0,62834	140	0,62974	140	0,63114	140	0,63254	140
0,57	0,64097	141	0,64238	141	0,64379	142	0,64521	142	0,64663	142
0,58	0,65517	143	0,65660	143	0,65803	143	0,65946	144	0,66090	144
0,59	0,66956	144	0,67100	146	0,67246	145	0,67391	145	0,67536	146
0,60	0,68414	147	0,68561	147	0,68708	147	0,68855	148	0,69003	147
0,61	0,69892	149	0,70041	149	0,70190	149	0,70339	150	0,70489	150
0,62	0,71391	151	0,71542	151	0,71693	152	0,71845	151	0,71996	152
0,63	0,72911	154	0,73065	153	0,73218	154	0,73372	154	0,73526	154
0,64	0,74454	156	0,74610	156	0,74766	156	0,74922	156	0,75078	156
0,65	0,76020	158	0,76178	159	0,76337	158	0,76495	159	0,76654	158
0,66	0,77610	161	0,77771	160	0,77931	161	0,78092	161	0,78253	162
0,67	0,79225	163	0,79388	163	0,79551	164	0,79715	164	0,79879	163
0,68	0,80866	166	0,81032	165	0,81197	167	0,81364	166	0,81530	166
0,69	0,82534	168	0,82702	168	0,82870	169	0,83039	169	0,83208	170
0,70	0,84229	171	0,84400	171	0,84571	172	0,84743	172	0,84915	172
0,71	0,85953	174	0,86127	174	0,86301	175	0,86476	175	0,86651	175
0,72	0,87707	177	0,87884	177	0,88061	178	0,88239	178	0,88417	178
0,73	0,89492	180	0,89672	181	0,89853	180	0,90033	182	0,90215	181
0,74	0,91309	183	0,91492	184	0,91676	185	0,91861	184	0,92045	185
0,75	0,93160	187	0,93347	187	0,93534	188	0,93722	188	0,93910	188
0,76	0,95045	191	0,95236	191	0,95427	191	0,95618	191	0,95809	192
0,77	0,96967	194	0,97161	195	0,97356	195	0,97551	195	0,97746	196
0,78	0,98926	198	0,99124	199	0,99323	199	0,99522	199	0,99721	199
0,79	1,00925	202	1,01127	202	1,01329	203	1,01532	203	1,01735	204
0,80	1,02964	206	1,03170	207	1,03377	207	1,03584	207	1,03791	208
0,81	1,05046	210	1,05256	211	1,05467	212	1,05679	211	1,05890	213
0,82	1,07171	215	1,07386	216	1,07602	216	1,07818	217	1,08035	216
0,83	1,09343	220	1,09563	220	1,09783	221	1,10004	221	1,10225	222
0,84	1,11563	225	1,11788	225	1,12013	226	1,12239	226	1,12465	227
0,85	1,13833	230	1,14063	230	1,14293	231	1,14524	232	1,14756	232
0,86	1,16156	235	1,16391	236	1,16627	236	1,16863	237	1,17100	237
0,87	1,18532	241	1,18773	242	1,19015	242	1,19257	242	1,19499	243
0,88	1,20966	247	1,21213	247	1,21460	248	1,21708	249	1,21957	249
0,89	1,23460	253	1,23713	253	1,23966	254	1,24220	255	1,24475	255
0,90	1,26016	259	1,26275	260	1,26535	260	1,26795	261	1,27056	262
0,91	1,28637	266	1,28903	266	1,29169	267	1,29436	268	1,29704	269
0,92	1,31326	273	1,31599	274	1,31873	274	1,32147	275	1,32422	276
0,93	1,34087	281	1,34368	280	1,34648	282	1,34930	283	1,35213	283
0,94	1,36923	288	1,37211	289	1,37500	289	1,37789	291	1,38080	291
0,95	1,39838	296	1,40134	297	1,40431	298	1,40729	298	1,41027	299
0,96	1,42836	304	1,43140	306	1,43446	306	1,43752	307	1,44059	308
0,97	1,45920	313	1,46233	315	1,46548	315	1,46863	316	1,47179	317
0,98	1,49096	323	1,49419	323	1,49742	325	1,50067	326	1,50393	326
0,99	1,52368	332	1,52700	334	1,53034	335	1,53369	335	1,53704	337

Błąd przybliżeń podanych na str. 498 i 499 jest nie większy niż 0,000005, a błąd przybliżenia otrzymanego przez interpolację liniową jest mniejszy niż 0,00000634 + błąd zaokrąglenia wyniku.

Przykład interpolacji na str. 502.

XXXII. Function $\operatorname{tg} x$ for x in radians ($\operatorname{tg} x^r$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
0,55281	131	0,55412	131	0,55543	131	0,55674	131	0,55805	131	0,50
0,56594	132	0,56726	133	0,56859	132	0,56991	132	0,57123	133	0,51
0,57922	134	0,58056	133	0,58189	134	0,58323	134	0,58457	135	0,52
0,59265	136	0,59401	135	0,59536	135	0,59671	136	0,59807	136	0,53
0,60625	137	0,60762	137	0,60899	137	0,61036	137	0,61173	138	0,54
0,62001	138	0,62139	139	0,62278	139	0,62417	139	0,62556	139	0,55
0,63394	140	0,63534	140	0,63674	141	0,63815	141	0,63956	141	0,56
0,64805	142	0,64947	142	0,65089	142	0,65231	143	0,65374	143	0,57
0,66234	144	0,66378	144	0,66522	144	0,66666	145	0,66811	145	0,58
0,67682	146	0,67828	146	0,67974	146	0,68120	147	0,68267	147	0,59
0,69150	148	0,69298	148	0,69446	149	0,69595	148	0,69743	149	0,60
0,70639	150	0,70789	150	0,70939	150	0,71089	151	0,71240	151	0,61
0,72148	153	0,72301	152	0,72453	153	0,72606	152	0,72758	153	0,62
0,73680	154	0,73834	155	0,73989	155	0,74144	155	0,74299	155	0,63
0,75234	157	0,75391	157	0,75548	157	0,75705	158	0,75863	157	0,64
0,76812	160	0,76972	159	0,77131	160	0,77291	159	0,77450	160	0,65
0,78415	161	0,78576	162	0,78738	162	0,78900	163	0,79063	162	0,66
0,80042	165	0,80207	164	0,80371	165	0,80536	165	0,80701	165	0,67
0,81696	167	0,81863	168	0,82031	167	0,82198	168	0,82366	168	0,68
0,83378	169	0,83547	170	0,83717	171	0,83888	170	0,84058	171	0,69
0,85087	173	0,85260	173	0,85433	173	0,85606	173	0,85779	174	0,70
0,86826	176	0,87002	175	0,87177	177	0,87354	176	0,87530	177	0,71
0,88595	179	0,88774	179	0,88953	179	0,89132	180	0,89312	180	0,72
0,90396	182	0,90578	182	0,90760	183	0,90943	183	0,91126	183	0,73
0,92230	185	0,92415	186	0,92601	186	0,92787	186	0,92973	187	0,74
0,94098	189	0,94287	189	0,94476	189	0,94665	190	0,94855	190	0,75
0,96001	193	0,96194	192	0,96386	194	0,96580	193	0,96773	194	0,76
0,97942	196	0,98138	196	0,98334	197	0,98531	197	0,98728	198	0,77
0,99920	200	1,00120	201	1,00321	201	1,00522	201	1,00723	202	0,78
1,01939	204	1,02143	205	1,02348	205	1,02553	205	1,02758	206	0,79
1,03999	209	1,04208	208	1,04416	210	1,04626	209	1,04835	211	0,80
1,06103	213	1,06316	213	1,06529	214	1,06743	214	1,06957	214	0,81
1,08251	218	1,08469	218	1,08687	218	1,08905	219	1,09124	219	0,82
1,10447	222	1,10669	223	1,10892	223	1,11115	224	1,11339	224	0,83
1,12692	227	1,12919	228	1,13147	228	1,13375	229	1,13604	229	0,84
1,14988	232	1,15220	233	1,15453	234	1,15687	234	1,15921	235	0,85
1,17337	238	1,17575	239	1,17814	239	1,18053	239	1,18292	240	0,86
1,19742	244	1,19986	244	1,20230	245	1,20475	245	1,20720	246	0,87
1,22206	249	1,22455	250	1,22705	251	1,22956	252	1,23208	252	0,88
1,24730	256	1,24986	256	1,25242	258	1,25500	257	1,25757	259	0,89
1,27318	262	1,27580	264	1,27844	263	1,28107	265	1,28372	265	0,90
1,29973	269	1,30242	270	1,30512	271	1,30783	271	1,31054	272	0,91
1,32698	276	1,32974	277	1,33251	278	1,33529	279	1,33808	279	0,92
1,35496	284	1,35780	285	1,36065	285	1,36350	286	1,36636	287	0,93
1,38371	292	1,38663	292	1,38955	294	1,39249	294	1,39543	295	0,94
1,41326	301	1,41627	301	1,41928	301	1,42229	303	1,42532	304	0,95
1,44367	309	1,44676	309	1,44985	311	1,45296	312	1,45608	312	0,96
1,47496	318	1,47814	319	1,48133	320	1,48453	321	1,48774	322	0,97
1,50719	328	1,51047	329	1,51376	329	1,51705	331	1,52036	332	0,98
1,54041	338	1,54379	339	1,54718	340	1,55058	341	1,55399	342	0,99

$\operatorname{tg} x^r$

The error of the approximations given on pp. 498 and 499 is not greater than 0,000005 and the error of an approximation obtained by linear interpolation is less than 0,00000634 + the error of rounding off the result.

An example of interpolation is given on p. 503.

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x'$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
1,00	1,55741	343	1,56084	344	1,56428	345	1,56773	347	1,57120	347
1,01	1,59221	354	1,59575	355	1,59930	356	1,60286	358	1,60644	358
1,02	1,62813	366	1,63179	367	1,63546	368	1,63914	369	1,64283	370
1,03	1,66524	378	1,66902	380	1,67282	380	1,67662	382	1,68044	383
1,04	1,70361	391	1,70752	393	1,71145	393	1,71538	395	1,71933	396
1,05	1,74332	404	1,74736	406	1,75142	408	1,75550	409	1,75959	410
1,06	1,78442	420	1,78862	420	1,79282	422	1,79704	424	1,80128	425
1,07	1,82703	434	1,83137	437	1,83574	437	1,84011	440	1,84451	441
1,08	1,87122	451	1,87573	452	1,88025	455	1,88480	456	1,88936	458
1,09	1,91709	469	1,92178	470	1,92648	472	1,93120	474	1,93594	475
1,10	1,96476	487	1,96963	489	1,97452	491	1,97943	492	1,98435	495
1,11	2,01434	507	2,01941	508	2,02449	511	2,02960	513	2,03473	515
1,12	2,06596	527	2,07123	531	2,07654	532	2,08186	534	2,08720	537
1,13	2,11975	551	2,12526	552	2,13078	556	2,13634	557	2,14191	560
1,14	2,17588	574	2,18162	577	2,18739	580	2,19319	582	2,19901	585
1,15	2,23450	600	2,24050	604	2,24654	606	2,25260	609	2,25869	611
1,16	2,29580	628	2,30208	632	2,30840	634	2,31474	637	2,32111	641
1,17	2,35998	659	2,36657	661	2,37318	665	2,37983	668	2,38651	671
1,18	2,42727	690	2,43417	695	2,44112	697	2,44809	701	2,45510	705
1,19	2,49790	726	2,50516	729	2,51245	733	2,51978	737	2,52715	741
1,20	2,5722	076	2,5798	077	2,5875	077	2,5952	077	2,6029	078
1,21	2,6503	081	2,6584	081	2,6665	081	2,6746	082	2,6828	082
1,22	2,7328	084	2,7412	086	2,7498	086	2,7584	086	2,7670	087
1,23	2,8198	090	2,8288	090	2,8378	091	2,8469	091	2,8560	092
1,24	2,9119	095	2,9214	096	2,9310	096	2,9406	097	2,9503	097
1,25	3,0096	101	3,0197	101	3,0298	102	3,0400	103	3,0503	103
1,26	3,1133	107	3,1240	108	3,1348	108	3,1456	110	3,1566	110
1,27	3,2236	115	3,2351	115	3,2466	115	3,2581	117	3,2698	117
1,28	3,3413	123	3,3536	122	3,3658	124	3,3782	125	3,3907	125
1,29	3,4672	131	3,4803	131	3,4934	133	3,5067	133	3,5200	135
1,30	3,6021	140	3,6161	142	3,6303	142	3,6445	143	3,6588	145
1,31	3,7471	151	3,7622	152	3,7774	153	3,7927	155	3,8082	155
1,32	3,9033	163	3,9196	165	3,9361	165	3,9526	167	3,9693	168
1,33	4,0723	177	4,0900	178	4,1078	179	4,1257	181	4,1438	183
1,34	4,2556	192	4,2748	194	4,2942	195	4,3137	197	4,3334	198
1,35	4,4552	210	4,4762	211	4,4973	213	4,5186	215	4,5401	217
1,36	4,6734	230	4,6964	232	4,7196	233	4,7429	236	4,7665	239
1,37	4,9131	252	4,9383	255	4,9638	258	4,9896	260	5,0156	263
1,38	5,1774	280	5,2054	282	5,2336	286	5,2622	288	5,2910	292
1,39	5,4707	311	5,5018	314	5,5332	318	5,5650	322	5,5972	325
1,400	5,7979	034	5,8013	035	5,8048	035	5,8083	035	5,8118	034
1,401	5,8327	035	5,8362	035	5,8397	035	5,8432	035	5,8467	036
1,402	5,8679	036	5,8715	035	5,8750	036	5,8786	035	5,8821	036
1,403	5,9036	036	5,9072	035	5,9107	036	5,9143	036	5,9179	036
1,404	5,9396	037	5,9433	036	5,9469	036	5,9505	037	5,9542	036
1,405	5,9761	037	5,9798	037	5,9835	037	5,9872	037	5,9909	036
1,406	6,0131	037	6,0168	037	6,0205	037	6,0242	038	6,0280	037
1,407	6,0504	038	6,0542	038	6,0580	037	6,0617	038	6,0655	038
1,408	6,0883	038	6,0921	038	6,0959	038	6,0997	038	6,1035	039
1,409	6,1266	038	6,1304	039	6,1343	039	6,1382	038	6,1420	039

Błąd przybliżeń podanych na str. 500 i 501 jest dla $1,000 \leq x < 1,200$ nie większy niż 0,000005, a dla $1,200 \leq x < 1,4100$ nie większy niż 0,00005. Błąd przybliżenia otrzymanego przez interpolację liniową jest dla $1,000 < x < 1,200$ mniejszy niż 0,00000990 + błąd zaokrąglenia wyniku, dla $1,200 < x < 1,400$ mniejszy niż 0,0000957 + błąd zaokrąglenia wyniku, a dla $1,4000 < x < 1,4100$ mniejszy niż 0,0000507 + błąd zaokrąglenia wyniku.

Przykład interpolacji na str. 502.

XXXII. Function $\operatorname{tg} x$ for x in radians ($\operatorname{tg} x^r$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
1,57467	348	1,57815	350	1,58165	351	1,58516	352	1,58868	353	1,00
1,61002	360	1,61362	361	1,61723	362	1,62085	364	1,62449	364	1,01
1,64653	372	1,65025	373	1,65398	374	1,65772	376	1,66148	376	1,02
1,68427	384	1,68811	386	1,69197	387	1,69584	388	1,69972	389	1,03
1,72329	398	1,72727	399	1,73126	401	1,73527	401	1,73928	404	1,04
1,76369	412	1,76781	413	1,77194	415	1,77609	416	1,78025	417	1,05
1,80553	427	1,80980	429	1,81409	429	1,81838	432	1,82270	433	1,06
1,84892	443	1,85335	444	1,85779	446	1,86225	447	1,86672	450	1,07
1,89394	459	1,89853	462	1,90315	463	1,90778	465	1,91243	466	1,08
1,94069	478	1,94547	479	1,95026	482	1,95508	483	1,95991	485	1,09
1,98930	497	1,99427	499	1,99926	500	2,00426	503	2,00929	505	1,10
2,03988	518	2,04506	519	2,05025	521	2,05546	524	2,06070	526	1,11
2,09257	539	2,09796	541	2,10337	544	2,10881	546	2,11427	548	1,12
2,14751	563	2,15314	564	2,15878	568	2,16446	569	2,17015	573	1,13
2,20486	588	2,21074	590	2,21664	592	2,22256	596	2,22852	598	1,14
2,26480	614	2,27094	618	2,27712	619	2,28331	623	2,28954	626	1,15
2,32752	643	2,33395	646	2,34041	649	2,34690	653	2,35343	655	1,16
2,39322	674	2,39996	678	2,40674	681	2,41355	684	2,42039	688	1,17
2,46215	708	2,46923	711	2,47634	715	2,48349	719	2,49068	722	1,18
2,53456	744	2,54200	748	2,54948	752	2,55700	756	2,56456	759	1,19
2,6107	079	2,6186	078	2,6264	080	2,6344	079	2,6423	080	1,20
2,6910	082	2,6992	084	2,7076	083	2,7159	084	2,7243	085	1,21
2,7757	087	2,7844	088	2,7932	088	2,8020	089	2,8109	089	1,22
2,8652	092	2,8744	093	2,8837	094	2,8931	094	2,9025	094	1,23
2,9600	098	2,9698	099	2,9797	099	2,9896	099	2,9995	101	1,24
3,0606	104	3,0710	105	3,0815	105	3,0920	106	3,1026	107	1,25
3,1676	110	3,1786	112	3,1898	112	3,2010	113	3,2123	113	1,26
3,2815	118	3,2933	119	3,3052	120	3,3172	120	3,3292	121	1,27
3,4032	126	3,4158	127	3,4285	128	3,4413	129	3,4542	130	1,28
3,5335	135	3,5470	136	3,5606	138	3,5744	138	3,5882	139	1,29
3,6733	145	3,6878	147	3,7025	147	3,7172	149	3,7321	150	1,30
3,8237	157	3,8394	158	3,8552	159	3,8711	161	3,8872	161	1,31
3,9861	170	4,0031	171	4,0202	172	4,0374	174	4,0548	175	1,32
4,1621	184	4,1805	185	4,1990	187	4,2177	189	4,2366	190	1,33
4,3532	201	4,3733	202	4,3935	204	4,4139	206	4,4345	207	1,34
4,5618	220	4,5838	221	4,6059	223	4,6282	225	4,6507	227	1,35
4,7904	240	4,8144	243	4,8387	246	4,8633	247	4,8880	251	1,36
5,0419	266	5,0685	268	5,0953	271	5,1224	274	5,1498	276	1,37
5,3202	294	5,3496	298	5,3794	301	5,4095	304	5,4399	308	1,38
5,6297	329	5,6626	332	5,6598	336	5,7294	341	5,7635	344	1,39
5,8152	035	5,8187	035	5,8222	035	5,8257	035	5,8292	035	1,400
5,8503	035	5,8538	035	5,8573	035	5,8608	036	5,8644	035	1,401
5,8857	036	5,8893	035	5,8928	036	5,8964	036	5,9000	036	1,402
5,9215	037	5,9252	036	5,9288	036	5,9324	036	5,9360	036	1,403
5,9578	037	5,9615	036	5,9651	037	5,9688	037	5,9725	036	1,404
5,9945	037	5,9982	037	6,0019	037	6,0056	038	6,0094	037	1,405
6,0317	037	6,0354	038	6,0392	037	6,0429	038	6,0467	037	1,406
6,0693	038	6,0731	038	6,0769	038	6,0807	038	6,0845	038	1,407
6,1074	038	6,1112	038	6,1150	039	6,1189	038	6,1227	039	1,408
6,1459	039	6,1498	039	6,1537	039	6,1576	039	6,1615	039	1,409

$\operatorname{tg} x^r$

The error of the approximations given on pp. 500 and 501 is for $1,000 \leq x < 1,200$ not greater than 0,000005 and for $1,200 \leq x < 1,4100$ not greater than 0,00005. The error of an approximation obtained by linear interpolation is for $1,000 < x < 1,200$ less than $0,00000990 +$ the error of rounding off the result, for $1,200 < x < 1,400$ less than $0,0000957 +$ the error of rounding off the result and for $1,4000 < x < 1,4100$ less than $0,0000507 +$ the error of rounding off the result.

An example of interpolation is given on p. 503.

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x^r$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
1,410	6,1654	039	6,1693	039	6,1732	039	6,1771	039	6,1810	039
1,411	6,2046	040	6,2086	039	6,2125	040	6,2165	039	6,2204	040
1,412	6,2444	040	6,2484	040	6,2524	040	6,2564	040	6,2604	040
1,413	6,2846	040	6,2886	041	6,2927	041	6,2968	040	6,3008	041
1,414	6,3253	042	6,3295	041	6,3336	041	6,3377	041	6,3418	041
1,415	6,3666	042	6,3708	041	6,3749	042	6,3791	042	6,3833	042
1,416	6,4084	042	6,4126	042	6,4168	043	6,4211	042	6,4253	042
1,417	6,4508	042	6,4550	043	6,4593	043	6,4636	042	6,4678	043
1,418	6,4936	044	6,4980	043	6,5023	043	6,5066	044	6,5110	043
1,419	6,5371	044	6,5415	044	6,5459	043	6,5502	044	6,5546	044
1,420	6,5811	045	6,5856	044	6,5900	044	6,5944	045	6,5989	044
1,421	6,6257	045	6,6302	045	6,6347	045	6,6392	045	6,6437	045
1,422	6,6709	046	6,6755	045	6,6800	046	6,6846	046	6,6892	046
1,423	6,7167	046	6,7213	047	6,7260	046	6,7306	046	6,7352	047
1,424	6,7632	046	6,7678	047	6,7725	047	6,7772	047	6,7819	047
1,425	6,8102	048	6,8150	047	6,8197	048	6,8245	047	6,8292	048
1,426	6,8579	048	6,8627	048	6,8675	049	6,8724	048	6,8772	048
1,427	6,9063	049	6,9112	048	6,9160	049	6,9209	049	6,9258	049
1,428	6,9553	050	6,9603	049	6,9652	050	6,9702	049	6,9751	050
1,429	7,0050	051	7,0101	050	7,0151	050	7,0201	050	7,0251	051
1,430	7,0555	050	7,0605	051	7,0656	051	7,0707	051	7,0758	051
1,431	7,1066	052	7,1118	051	7,1169	052	7,1221	052	7,1273	051
1,432	7,1585	052	7,1637	052	7,1689	053	7,1742	052	7,1794	053
1,433	7,2111	053	7,2164	053	7,2217	053	7,2270	054	7,2324	053
1,434	7,2645	054	7,2699	054	7,2753	053	7,2806	055	7,2861	054
1,435	7,3186	055	7,3241	055	7,3296	055	7,3351	054	7,3405	055
1,436	7,3736	056	7,3792	055	7,3847	056	7,3903	055	7,3958	056
1,437	7,4294	056	7,4350	057	7,4407	056	7,4463	056	7,4519	057
1,438	7,4860	057	7,4917	057	7,4974	058	7,5032	057	7,5089	057
1,439	7,5435	058	7,5493	058	7,5551	058	7,5609	058	7,5667	058
1,440	7,6018	059	7,6077	059	7,6136	059	7,6195	059	7,6254	059
1,441	7,6611	059	7,6670	060	7,6730	060	7,6790	060	7,6850	060
1,442	7,7212	061	7,7273	061	7,7334	060	7,7394	061	7,7455	061
1,443	7,7823	062	7,7885	061	7,7946	062	7,8008	062	7,8070	062
1,444	7,8444	062	7,8506	063	7,8569	063	7,8632	062	7,8694	063
1,445	7,9074	063	7,9137	064	7,9201	064	7,9265	064	7,9329	064
1,446	7,9714	065	7,9779	064	7,9843	065	7,9908	065	7,9973	065
1,447	8,0365	065	8,0430	066	8,0496	066	8,0562	066	8,0628	066
1,448	8,1026	067	8,1093	066	8,1159	067	8,1226	067	8,1293	068
1,449	8,1698	068	8,1766	068	8,1834	068	8,1902	068	8,1970	068
1,450	8,2381	069	8,2450	069	8,2519	069	8,2588	069	8,2657	070
1,451	8,3075	070	8,3145	071	8,3216	070	8,3286	070	8,3356	071
1,452	8,3781	072	8,3853	071	8,3924	071	8,3995	072	8,4067	072
1,453	8,4499	073	8,4572	072	8,4644	073	8,4717	073	8,4790	073
1,454	8,5229	074	8,5303	074	8,5377	074	8,5451	074	8,5525	074
1,455	8,5972	075	8,6047	075	8,6122	076	8,6198	075	8,6273	075
1,456	8,6728	076	8,6804	077	8,6881	076	8,6957	077	8,7034	077
1,457	8,7497	077	8,7574	078	8,7652	078	8,7730	078	8,7808	078
1,458	8,8279	079	8,8358	079	8,8437	079	8,8516	080	8,8596	079
1,459	8,9075	081	8,9156	080	8,9236	081	8,9317	081	8,9398	081

Błąd przybliżeń podanych na str. 502 i 503 jest nie większy niż 0,00005, a błąd przybliżenia otrzymanego przez interpolację liniową jest mniejszy niż 0,0000519 + błąd zaokrąglenia wyniku.

Przykład. Aby obliczyć $\operatorname{tg} 1,423871$, odczytujemy w tablicy, że $\operatorname{tg} 1,4238 \approx 6,7538$ i $\delta = 047$. W tablicy poprawek dla $\delta = 047$ i cyfr 7 i 1 mamy liczby 32,9 i 4,7. Zatem $\operatorname{tg} 1,423871 \approx 6,7538 + 0,00329 + 0,000047 = 6,757137$ z dokładnością do 0,0000519, skąd $\operatorname{tg} 1,423871 \approx 6,75714$ z dokładnością do 0,000055. (Poprawkę do liczby $\operatorname{tg} 1,4238 \approx 6,7538$ można również obliczyć mnożąc $0,71 \cdot \delta = 0,71 \cdot 047 = 33,37$. Mamy wtedy $\operatorname{tg} 1,423871 \approx 6,7538 + 0,003337 = 6,757137$, jak poprzednio).

XXXII. Function $\operatorname{tg} x$ for x in radians ($\operatorname{tg} x^r$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
6,1849	040	6,1889	039	6,1928	039	6,1967	040	6,2007	039	1,410
6,2244	040	6,2284	040	6,2324	040	6,2364	040	6,2404	040	1,411
6,2644	040	6,2684	041	6,2725	040	6,2765	040	6,2805	041	1,412
6,3049	041	6,3090	041	6,3131	041	6,3172	041	6,3213	040	1,413
6,3459	041	6,3500	042	6,3542	041	6,3583	042	6,3625	041	1,414
6,3875	041	6,3916	042	6,3958	042	6,4000	042	6,4042	042	1,415
6,4295	043	6,4338	042	6,4380	042	6,4422	043	6,4465	043	1,416
6,4721	043	6,4764	043	6,4807	043	6,4850	043	6,4893	043	1,417
6,5153	044	6,5197	043	6,5240	044	6,5284	043	6,5327	044	1,418
6,5590	044	6,5634	045	6,5679	044	6,5723	044	6,5767	044	1,419
6,6033	045	6,6078	045	6,6123	045	6,6168	044	6,6212	045	1,420
6,6482	046	6,6528	045	6,6573	045	6,6618	046	6,6664	045	1,421
6,6938	045	6,6983	046	6,7029	046	6,7075	046	6,7121	046	1,422
6,7399	046	6,7445	047	6,7492	046	6,7538	047	6,7585	047	1,423
6,7866	047	6,7913	047	6,7960	048	6,8008	047	6,8055	047	1,424
6,8340	048	6,8388	047	6,8435	048	6,8483	048	6,8531	048	1,425
6,8820	049	6,8869	048	6,8917	049	6,8966	048	6,9014	049	1,426
6,9307	049	6,9356	049	6,9405	050	6,9455	049	6,9504	049	1,427
6,9801	050	6,9851	050	6,9901	049	6,9950	050	7,0000	050	1,428
7,0302	050	7,0352	051	7,0403	050	7,0453	051	7,0504	051	1,429
7,0809	052	7,0861	051	7,0912	051	7,0963	052	7,1015	051	1,430
7,1324	052	7,1376	052	7,1428	052	7,1480	053	7,1533	052	1,431
7,1847	053	7,1900	052	7,1952	053	7,2005	053	7,2058	053	1,432
7,2377	053	7,2430	054	7,2484	053	7,2537	054	7,2591	054	1,433
7,2915	054	7,2969	054	7,3023	055	7,3078	054	7,3132	054	1,434
7,3460	055	7,3515	055	7,3570	056	7,3626	055	7,3681	055	1,435
7,4014	056	7,4070	056	7,4126	056	7,4182	056	7,4238	056	1,436
7,4576	057	7,4633	056	7,4689	057	7,4746	057	7,4803	057	1,437
7,5146	058	7,5204	057	7,5261	058	7,5319	058	7,5377	058	1,438
7,5725	059	7,5784	058	7,5842	059	7,5901	059	7,5960	058	1,439
7,6313	060	7,6373	059	7,6432	059	7,6491	060	7,6551	060	1,440
7,6910	060	7,6970	061	7,7031	060	7,7091	061	7,7152	060	1,441
7,7516	062	7,7578	061	7,7639	061	7,7700	062	7,7762	061	1,442
7,8132	062	7,8194	062	7,8256	063	7,8319	062	7,8381	063	1,443
7,8757	064	7,8821	063	7,8884	063	7,8947	063	7,9010	064	1,444
7,9393	064	7,9457	064	7,9521	064	7,9585	065	7,9650	064	1,445
8,0038	065	8,0103	065	8,0168	066	8,0234	065	8,0299	066	1,446
8,0694	066	8,0760	066	8,0826	067	8,0893	066	8,0959	067	1,447
8,1361	067	8,1428	067	8,1495	068	8,1563	067	8,1630	068	1,448
8,2038	068	8,2106	069	8,2175	068	8,2243	069	8,2312	069	1,449
8,2727	069	8,2796	070	8,2866	070	8,2936	069	8,3005	070	1,450
8,3427	071	8,3498	070	8,3568	071	8,3639	071	8,3710	071	1,451
8,4139	072	8,4211	072	8,4283	072	8,4355	072	8,4427	072	1,452
8,4863	073	8,4936	073	8,5009	073	8,5082	074	8,5156	073	1,453
8,5599	075	8,5674	074	8,5748	075	8,5823	074	8,5897	075	1,454
8,6348	076	8,6424	076	8,6500	076	8,6576	076	8,6652	076	1,455
8,7111	077	8,7188	077	8,7265	077	8,7342	077	8,7419	078	1,456
8,7886	078	8,7964	079	8,8043	078	8,8121	079	8,8200	079	1,457
8,8675	080	8,8755	080	8,8835	080	8,8915	080	8,8995	080	1,458
8,9479	081	8,9560	081	8,9641	082	8,9723	081	8,9804	082	1,459

$\operatorname{tg} x^r$

The error of the approximations given on pp. 502 and 503 is not greater than 0,00005 and the error of an approximation obtained by linear interpolation is less than 0,0000519 + the error of rounding off the result.

Example. To calculate $\operatorname{tg} 1,423871$ we find in the table $\operatorname{tg} 1,4238 \approx 6,7538$ and $\delta = 047$. In the table of proportional parts for $\delta = 047$ and the figures 7 and 1 we have numbers 32,9 and 4,7. Thus $\operatorname{tg} 1,423871 \approx 6,7538 + 0,00329 + 0,000047 = 6,757137$ with error less than 0,0000519, whence $\operatorname{tg} 1,423871 \approx 6,75714$ with error less than 0,000055. (The correction for the number $\operatorname{tg} 1,4238 \approx 6,7538$ can also be found by multiplying $0,71 \cdot \delta = 0,71 \cdot 047 = 33,37$. We then have $\operatorname{tg} 1,423871 \approx 6,7538 + 0,003337 = 6,757137$ as before).

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x^\circ$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
1,460	8,9886	082	8,9968	082	9,0050	082	9,0132	082	9,0214	083
1,461	9,0711	084	9,0795	083	9,0878	084	9,0962	084	9,1046	084
1,462	9,1552	085	9,1637	085	9,1722	085	9,1807	085	9,1892	086
1,463	9,2408	086	9,2494	087	9,2581	087	9,2668	087	9,2755	087
1,464	9,3280	088	9,3368	088	9,3456	089	9,3545	088	9,3633	089
1,465	9,4168	090	9,4258	090	9,4348	090	9,4438	090	9,4528	091
1,466	9,5074	091	9,5165	092	9,5257	092	9,5349	092	9,5441	092
1,467	9,5996	094	9,6090	093	9,6183	094	9,6277	093	9,6370	094
1,468	9,6937	095	9,7032	095	9,7127	096	9,7223	095	9,7318	096
1,469	9,7896	097	9,7993	097	9,8090	097	9,8187	098	9,8285	097
1,470	9,8874	099	9,8973	099	9,9072	099	9,9171	099	9,9270	100
1,471	9,9871	101	9,9972	101	10,0073	101	10,0174	102	10,0276	101
1,472	10,0889	103	10,0992	103	10,1095	103	10,1198	104	10,1302	103
1,473	10,1927	105	10,2032	105	10,2137	106	10,2243	105	10,2348	106
1,474	10,2987	107	10,3094	107	10,3201	108	10,3309	108	10,3417	108
1,475	10,4069	109	10,4178	110	10,4288	110	10,4398	110	10,4508	110
1,476	10,5173	112	10,5285	112	10,5397	112	10,5509	112	10,5621	113
1,477	10,6301	114	10,6415	115	10,6530	114	10,6644	115	10,6759	115
1,478	10,7453	117	10,7570	117	10,7687	117	10,7804	117	10,7921	118
1,479	10,8631	119	10,8750	119	10,8869	120	10,8989	120	10,9109	120
1,480	10,9834	122	10,9956	122	11,0078	122	11,0200	122	11,0322	123
1,481	11,1064	124	11,1188	125	11,1313	125	11,1438	125	11,1563	126
1,482	11,2321	127	11,2448	128	11,2576	128	11,2704	128	11,2832	129
1,483	11,3607	130	11,3737	131	11,3868	131	11,3999	131	11,4130	131
1,484	11,4923	133	11,5056	134	11,5190	133	11,5323	135	11,5458	134
1,485	11,6269	136	11,6405	137	11,6542	137	11,6679	137	11,6816	138
1,486	11,7647	139	11,7786	140	11,7926	141	11,8067	140	11,8207	141
1,487	11,9058	142	11,9200	144	11,9344	143	11,9487	144	11,9631	145
1,488	12,0502	147	12,0649	146	12,0795	147	12,0942	148	12,1090	148
1,489	12,1982	150	12,2132	150	12,2282	151	12,2433	151	12,2584	152
1,490	12,3499	153	12,3652	154	12,3806	155	12,3961	155	12,4116	155
1,491	12,5053	158	12,5211	158	12,5369	158	12,5527	159	12,5686	159
1,492	12,6647	161	12,6808	162	12,6970	163	12,7133	163	12,7296	163
1,493	12,8281	166	12,8447	166	12,8613	167	12,8780	167	12,8947	167
1,494	12,9958	171	13,0129	170	13,0299	171	13,0470	172	13,0642	171
1,495	13,1680	174	13,1854	175	13,2029	176	13,2205	176	13,2381	177
1,496	13,3447	179	13,3626	180	13,3806	180	13,3986	181	13,4167	181
1,497	13,5262	184	13,5446	185	13,5631	185	13,5816	186	13,6002	186
1,498	13,7127	189	13,7316	190	13,7506	190	13,7696	191	13,7887	192
1,499	13,9043	195	13,9238	195	13,9433	196	13,9629	196	13,9825	197
1,500	14,1014	200	14,1214	201	14,1415	201	14,1616	202	14,1818	203
1,501	14,3041	206	14,3247	207	14,3454	207	14,3661	207	14,3868	209
1,502	14,5127	212	14,5339	213	14,5552	213	14,5765	214	14,5979	214
1,503	14,7275	218	14,7493	219	14,7712	219	14,7931	220	14,8151	221
1,504	14,9486	225	14,9711	225	14,9936	227	15,0163	226	15,0389	228
1,505	15,1765	231	15,1996	233	15,2229	233	15,2462	234	15,2696	234
1,506	15,4114	239	15,4353	239	15,4592	241	15,4833	241	15,5074	241
1,507	15,6536	247	15,6783	247	15,7030	248	15,7278	248	15,7526	250
1,508	15,9036	254	15,9290	255	15,9545	256	15,9801	257	16,0058	257
1,509	16,1616	262	16,1878	264	16,2142	264	16,2406	265	16,2671	267

Błąd przybliżeń podanych na str. 504 i 505 jest nie większy niż 0,00005, a błąd przybliżenia otrzymanego przez interpolację liniową jest mniejszy niż 0,00000612 + błąd zaokrąglenia wyniku.

Przykład interpolacji na str. 502.

XXXII. Function $\text{tg } x$ for x in radians ($\text{tg } x^\circ$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
9,0297	083	9,0380	082	9,0462	083	9,0545	083	9,0628	083	1,460
9,1130	084	9,1214	084	9,1298	085	9,1383	084	9,1467	085	1,461
9,1978	086	9,2064	085	9,2149	086	9,2235	087	9,2322	086	1,462
9,2842	087	9,2929	088	9,3017	087	9,3104	088	9,3192	088	1,463
9,3722	089	9,3811	089	9,3900	089	9,3989	090	9,4079	089	1,464
9,4619	090	9,4709	091	9,4800	091	9,4891	091	9,4982	092	1,465
9,5533	092	9,5625	093	9,5718	092	9,5810	093	9,5903	093	1,466
9,6464	094	9,6558	095	9,6653	094	9,6747	095	9,6842	095	1,467
9,7414	096	9,7510	096	9,7606	097	9,7703	096	9,7799	097	1,468
9,8382	098	9,8480	098	9,8578	099	9,8677	098	9,8775	099	1,469
9,9370	100	9,9470	100	9,9570	100	9,9670	101	9,9771	100	1,470
10,0377	102	10,0479	102	10,0581	103	10,0684	102	10,0786	103	1,471
10,1405	104	10,1509	104	10,1613	105	10,1718	104	10,1822	105	1,472
10,2454	106	10,2560	107	10,2667	106	10,2773	107	10,2880	107	1,473
10,3525	108	10,3633	109	10,3742	108	10,3850	109	10,3959	110	1,474
10,4618	111	10,4729	110	10,4839	111	10,4950	112	10,5062	111	1,475
10,5734	113	10,5847	113	10,5960	114	10,6074	113	10,6187	114	1,476
10,6874	116	10,6990	115	10,7105	116	10,7221	116	10,7337	116	1,477
10,8039	118	10,8157	118	10,8275	118	10,8393	119	10,8512	119	1,478
10,9229	120	10,9349	121	10,9470	121	10,9591	121	10,9712	122	1,479
11,0445	123	11,0568	124	11,0692	123	11,0815	124	11,0939	125	1,480
11,1689	126	11,1815	126	11,1941	126	11,2067	127	11,2194	127	1,481
11,2961	128	11,3089	129	11,3218	130	11,3348	129	11,3477	130	1,482
11,4261	132	11,4393	132	11,4525	132	11,4657	133	11,4790	133	1,483
11,5592	135	11,5727	135	11,5862	135	11,5997	136	11,6133	136	1,484
11,6954	138	11,7092	138	11,7230	139	11,7369	139	11,7508	139	1,485
11,8348	141	11,8489	142	11,8631	142	11,8773	142	11,8915	143	1,486
11,9776	144	11,9920	145	12,0065	145	12,0210	146	12,0356	146	1,487
12,1238	148	12,1386	148	12,1534	149	12,1683	149	12,1832	150	1,488
12,2736	152	12,2888	152	12,3040	152	12,3192	153	12,3345	154	1,489
12,4271	156	12,4427	156	12,4583	156	12,4739	157	12,4896	157	1,490
12,5845	159	12,6004	160	12,6164	161	12,6325	161	12,6486	161	1,491
12,7459	163	12,7622	165	12,7787	164	12,7951	165	12,8116	165	1,492
12,9114	168	12,9282	169	12,9451	169	12,9620	169	12,9789	169	1,493
13,0813	173	13,0986	173	13,1159	173	13,1332	174	13,1506	174	1,494
13,2558	176	13,2734	178	13,2912	178	13,3090	178	13,3268	179	1,495
13,4348	182	13,4530	182	13,4712	183	13,4895	183	13,5078	184	1,496
13,6188	187	13,6375	187	13,6562	188	13,6750	188	13,6938	189	1,497
13,8079	191	13,8270	193	13,8463	193	13,8656	193	13,8849	194	1,498
14,0022	197	14,0219	198	14,0417	199	14,0616	199	14,0815	199	1,499
14,2021	203	14,2224	203	14,2427	204	14,2631	205	14,2836	205	1,500
14,4077	209	14,4286	209	14,4495	210	14,4705	211	14,4916	211	1,501
14,6193	215	14,6408	216	14,6624	216	14,6840	217	14,7057	218	1,502
14,8372	222	14,8594	222	14,8816	223	14,9039	223	14,9262	224	1,503
15,0617	228	15,0845	229	15,1074	230	15,1304	230	15,1534	231	1,504
15,2930	235	15,3165	236	15,3401	237	15,3638	238	15,3876	238	1,505
15,5315	243	15,5558	243	15,5801	245	15,6046	244	15,6290	246	1,506
15,7776	250	15,8026	251	15,8277	252	15,8529	253	15,8782	254	1,507
16,0315	259	16,0574	259	16,0833	260	16,1093	261	16,1354	262	1,508
16,2938	266	16,3204	268	16,3472	269	16,3741	269	16,4010	271	1,509

$\text{tg } x^\circ$

The error of the approximations given on pp. 504 and 505 is not greater than 0,00005 and the error of an approximation obtained by linear interpolation is less than 0,0000612 + the error of rounding off the result.

An example of interpolation is given on p. 503.

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x^r$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
1,510	16,4281	271	16,4552	272	16,4824	274	16,5098	274	16,5372	275
1,511	16,7035	280	16,7315	282	16,7597	282	16,7879	284	16,8163	284
1,512	16,9883	290	17,0173	291	17,0464	292	17,0756	293	17,1049	294
1,513	17,2829	300	17,3129	301	17,3430	302	17,3732	304	17,4036	304
1,514	17,5878	311	17,6189	312	17,6501	313	17,6814	314	17,7128	316
1,515	17,9037	322	17,9359	324	17,9683	324	18,0007	326	18,0333	326
1,516	18,2311	334	18,2645	335	18,2980	337	18,3317	338	18,3655	338
1,517	18,5707	346	18,6053	348	18,6401	349	18,6750	351	18,7101	352
1,518	18,9231	360	18,9591	361	18,9952	362	19,0314	364	19,0678	366
1,519	19,2891	374	19,3265	375	19,3640	377	19,4017	378	19,4395	380
1,520	19,6695	389	19,7084	390	19,7474	392	19,7866	393	19,8259	395
1,521	20,0652	404	20,1056	406	20,1462	408	20,1870	410	20,2280	411
1,522	20,4771	421	20,5192	423	20,5615	425	20,6040	426	20,6466	428
1,523	20,9062	439	20,9501	441	20,9942	442	21,0384	445	21,0829	446
1,524	21,3536	458	21,3994	460	21,4454	462	21,4916	464	21,5380	466
1,525	21,8205	479	21,8684	480	21,9164	482	21,9646	485	22,0131	486
1,526	22,3083	500	22,3583	502	22,4085	504	22,4589	507	22,5096	509
1,527	22,8184	523	22,8707	525	22,9232	527	22,9759	531	23,0290	532
1,528	23,3522	548	23,4070	550	23,4620	553	23,5173	555	23,5728	558
1,529	23,9116	574	23,9690	577	24,0267	580	24,0847	582	24,1429	586
1,530	24,4984	603	24,5587	605	24,6192	609	24,6801	612	24,7413	614
1,531	25,1147	633	25,1780	637	25,2417	639	25,3056	643	25,3699	647
1,532	25,763	066	25,829	067	25,896	068	25,964	067	26,031	068
1,533	26,445	070	26,515	071	26,586	071	26,657	071	26,728	072
1,534	27,164	074	27,238	075	27,313	075	27,388	075	27,463	076
1,535	27,924	078	28,002	079	28,081	079	28,160	080	28,240	080
1,536	28,727	083	28,810	083	28,893	084	28,977	084	29,061	085
1,537	29,578	088	29,666	088	29,754	089	29,843	089	29,932	090
1,538	30,480	094	30,574	093	30,667	095	30,762	095	30,857	096
1,539	31,440	099	31,539	100	31,639	100	31,739	101	31,840	102
1,540	32,461	106	32,567	106	32,673	108	32,781	108	32,889	108
1,541	33,551	113	33,664	114	33,778	115	33,893	115	34,008	116
1,542	34,717	121	34,838	122	34,960	123	35,083	123	35,206	125
1,543	35,967	130	36,097	131	36,228	131	36,359	133	36,492	134
1,544	37,310	139	37,449	141	37,590	142	37,732	143	37,875	144
1,545	38,757	151	38,908	152	39,060	153	39,213	154	39,367	156
1,546	40,320	164	40,484	164	40,648	166	40,814	168	40,982	168
1,547	42,015	178	42,193	179	42,372	180	42,552	182	42,734	183
1,548	43,859	193	44,052	195	44,247	197	44,444	199	44,643	200
1,549	45,872	212	46,084	213	46,297	215	46,512	218	46,730	219
1,5500	48,078	024	48,102	023	48,125	023	48,148	023	48,171	023
1,5501	48,311	023	48,334	024	48,358	023	48,381	023	48,404	024
1,5502	48,545	024	48,569	024	48,593	023	48,616	024	48,640	024
1,5503	48,782	024	48,806	024	48,830	024	48,854	024	48,878	024
1,5504	49,022	024	49,046	024	49,070	024	49,094	024	49,118	024
1,5505	49,263	025	49,288	024	49,312	024	49,336	025	49,361	024
1,5506	49,507	025	49,532	024	49,556	025	49,581	024	49,605	025
1,5507	49,754	024	49,778	025	49,803	025	49,828	025	49,853	025
1,5508	50,003	025	50,028	025	50,053	025	50,078	025	50,103	025
1,5509	50,254	025	50,279	025	50,304	026	50,330	025	50,355	026

Błąd przybliżenia podanych na str. 506 i 507 jest dla $1,5100 \leq x < 1,5320$ nie większy niż 0,00005, a dla $1,5320 \leq x < 1,55100$ nie większy niż 0,0005. Błąd przybliżenia otrzymanego przez interpolację liniową jest dla $1,5100 < x < 1,5320$ mniejszy niż $0,0000929 +$ błąd zaokrąglenia wyniku, dla $1,5320 < x < 1,5500$ mniejszy niż $0,000778 +$ błąd zaokrąglenia wyniku, a dla $1,55000 < x < 1,55100$ mniejszy niż $0,000504 +$ błąd zaokrąglenia wyniku.

Przykład interpolacji na str. 502.

XXXII. Function $\operatorname{tg} x$ for x in radians ($\operatorname{tg} x^\circ$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
16,5647	275	16,5922	277	16,6199	278	16,6477	278	16,6755	280	1,510
16,8447	285	16,8732	286	16,9018	287	16,9305	289	16,9594	289	1,511
17,1343	295	17,1638	296	17,1934	297	17,2231	298	17,2529	300	1,512
17,4340	306	17,4646	306	17,4952	308	17,5260	309	17,5569	309	1,513
17,7444	316	17,7760	318	17,8078	318	17,8396	320	17,8716	321	1,514
18,0659	328	18,0987	330	18,1317	330	18,1647	332	18,1979	332	1,515
18,3993	341	18,4334	341	18,4675	343	18,5018	344	18,5362	345	1,516
18,7453	353	18,7806	354	18,8160	356	18,8516	357	18,8873	358	1,517
19,1044	366	19,1410	368	19,1778	370	19,2148	371	19,2519	372	1,518
19,4775	381	19,5156	382	19,5538	385	19,5923	385	19,6308	387	1,519
19,8654	396	19,9050	398	19,9448	400	19,9848	401	20,0249	403	1,520
20,2691	412	20,3103	415	20,3518	416	20,3934	417	20,4351	420	1,521
20,6894	430	20,7324	432	20,7756	433	20,8189	436	20,8625	437	1,522
21,1275	449	21,1724	450	21,2174	452	21,2626	454	21,3080	456	1,523
21,5846	467	21,6313	470	21,6783	472	21,7255	474	21,7729	476	1,524
22,0617	489	22,1106	491	22,1597	493	22,2090	496	22,2586	497	1,525
22,5605	511	22,6116	513	22,6629	516	22,7145	518	22,7663	521	1,526
23,0822	535	23,1357	538	23,1895	540	23,2435	542	23,2977	545	1,527
23,6286	561	23,6847	563	23,7410	566	23,7976	569	23,8545	571	1,528
24,2015	588	24,2603	591	24,3194	594	24,3788	596	24,4384	600	1,529
24,8027	618	24,8645	621	24,9266	624	24,9890	627	25,0517	630	1,530
25,4346	649	25,4995	653	25,5648	656	25,6304	660	25,6964	663	1,531
26,099	069	26,168	069	26,237	069	26,306	069	26,375	070	1,532
26,800	072	26,872	072	26,944	073	27,017	074	27,091	073	1,533
27,539	076	27,615	077	27,692	077	27,769	077	27,846	078	1,534
28,320	080	28,400	081	28,481	082	28,563	082	28,645	082	1,535
29,146	086	29,232	085	29,317	087	29,404	086	29,490	088	1,536
30,022	091	30,113	091	30,204	091	30,295	093	30,388	092	1,537
30,953	096	31,049	097	31,146	097	31,243	098	31,341	099	1,538
31,942	103	32,045	103	32,148	104	32,252	104	32,356	105	1,539
32,997	110	33,107	110	33,217	110	33,327	112	33,439	112	1,540
34,124	117	34,241	118	34,359	118	34,477	120	34,597	120	1,541
35,331	125	35,456	126	35,582	128	35,710	128	35,838	129	1,542
36,626	135	36,761	135	36,896	137	37,033	138	37,171	139	1,543
38,019	146	38,165	146	38,311	147	38,458	149	38,607	150	1,544
39,523	157	39,680	158	39,838	160	39,998	160	40,158	162	1,545
41,150	171	41,321	171	41,492	173	41,665	174	41,839	176	1,546
42,917	186	43,103	186	43,289	189	43,478	189	43,667	192	1,547
44,843	202	45,045	204	45,249	206	45,455	207	45,662	210	1,548
46,949	222	47,171	224	47,395	225	47,620	228	47,848	230	1,549
48,194	024	48,218	023	48,241	023	48,264	024	48,288	023	1,5500
48,428	023	48,451	024	48,475	023	48,498	024	48,522	023	1,5501
48,664	023	48,687	024	48,711	024	48,735	024	48,759	023	1,5502
48,902	024	48,926	024	48,950	024	48,974	024	48,998	024	1,5503
49,142	024	49,166	025	49,191	024	49,215	024	49,239	024	1,5504
49,385	024	49,409	025	49,434	024	49,458	025	49,483	024	1,5505
49,630	025	49,655	024	49,679	025	49,704	025	49,729	025	1,5506
49,878	025	49,903	025	49,928	025	49,953	025	49,978	025	1,5507
50,128	025	50,153	025	50,178	025	50,203	026	50,229	025	1,5508
50,381	025	50,406	025	50,431	026	50,457	025	50,482	026	1,5509

$\operatorname{tg} x^\circ$

The error of the approximations given on pp. 506 and 507 is for $1,5100 \leq x < 1,5320$ not greater than 0,00005 and for $1,5320 \leq x < 1,55100$ not greater than 0,0005. The error of an approximation obtained by linear interpolation is for $1,5100 < x < 1,5320$ less than $0,0000929$ + the error of rounding off the result, for $1,5320 < x < 1,5500$ less than $0,000778$ + the error of rounding off the result and for $1,5500 < x < 1,55100$ less than $0,000504$ + the error of rounding off the result.

An example of interpolation is given on p. 503.

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x'$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
1,5510	50,508	025	50,533	026	50,559	026	50,585	025	50,610	026
1,5511	50,764	026	50,790	026	50,816	026	50,842	026	50,868	026
1,5512	51,023	026	51,049	027	51,076	026	51,102	026	51,128	026
1,5513	51,285	027	51,312	026	51,338	026	51,364	027	51,391	026
1,5514	51,550	026	51,576	027	51,603	027	51,630	026	51,656	027
1,5515	51,817	027	51,844	027	51,871	027	51,898	027	51,925	027
1,5516	52,087	027	52,114	027	52,141	027	52,168	028	52,196	027
1,5517	52,360	027	52,387	028	52,415	027	52,442	028	52,470	027
1,5518	52,635	028	52,663	028	52,691	028	52,719	028	52,747	027
1,5519	52,914	028	52,942	028	52,970	028	52,998	028	53,026	028
1,5520	53,196	028	53,224	028	53,252	029	53,281	028	53,309	029
1,5521	53,480	029	53,509	028	53,537	029	53,566	029	53,595	029
1,5522	53,768	029	53,797	029	53,826	029	53,855	029	53,884	029
1,5523	54,059	029	54,088	029	54,117	029	54,146	030	54,176	029
1,5524	54,353	029	54,382	030	54,412	029	54,441	030	54,471	030
1,5525	54,650	030	54,680	029	54,709	030	54,739	030	54,769	030
1,5526	54,950	030	54,980	031	55,011	030	55,041	030	55,071	031
1,5527	55,254	030	55,284	031	55,315	031	55,346	030	55,376	031
1,5528	55,561	031	55,592	031	55,623	031	55,654	031	55,685	031
1,5529	55,871	032	55,903	031	55,934	031	55,965	032	55,997	031
1,5530	56,185	032	56,217	032	56,249	031	56,280	032	56,312	032
1,5531	56,503	032	56,535	032	56,567	032	56,599	032	56,631	032
1,5532	56,824	032	56,856	033	56,889	032	56,921	033	56,954	032
1,5533	57,149	033	57,182	032	57,214	033	57,247	033	57,280	033
1,5534	57,478	033	57,511	033	57,544	033	57,577	033	57,610	033
1,5535	57,810	033	57,843	034	57,877	033	57,910	034	57,944	034
1,5536	58,146	034	58,180	034	58,214	034	58,248	034	58,282	034
1,5537	58,486	035	58,521	034	58,555	034	58,589	035	58,624	034
1,5538	58,831	034	58,865	035	58,900	035	58,935	034	58,969	035
1,5539	59,179	035	59,214	035	59,249	035	59,284	035	59,319	036
1,5540	59,531	036	59,567	035	59,602	036	59,638	035	59,673	036
1,5541	59,888	036	59,924	036	59,960	036	59,996	036	60,032	036
1,5542	60,249	036	60,285	036	60,321	037	60,358	036	60,394	037
1,5543	60,614	037	60,651	037	60,688	037	60,725	036	60,761	037
1,5544	60,984	037	61,021	037	61,058	038	61,096	037	61,133	037
1,5545	61,358	038	61,396	037	61,433	038	61,471	038	61,509	038
1,5546	61,737	038	61,775	038	61,813	039	61,852	038	61,890	038
1,5547	62,121	038	62,159	039	62,198	039	62,237	038	62,275	039
1,5548	62,509	039	62,548	039	62,587	039	62,626	040	62,666	039
1,5549	62,902	040	62,942	040	62,982	039	63,021	040	63,061	040
1,5550	63,301	040	63,341	040	63,381	040	63,421	040	63,461	041
1,5551	63,704	041	63,745	040	63,785	041	63,826	041	63,867	041
1,5552	64,112	042	64,154	041	64,195	041	64,236	041	64,277	042
1,5553	64,526	042	64,568	042	64,610	041	64,651	042	64,693	042
1,5554	64,945	043	64,988	042	65,030	042	65,072	043	65,115	042
1,5555	65,370	043	65,413	043	65,456	043	65,499	042	65,541	043
1,5556	65,800	044	65,844	043	65,887	043	65,930	044	65,974	044
1,5557	66,236	044	66,280	044	66,324	044	66,368	044	66,412	044
1,5558	66,678	044	66,722	045	66,767	045	66,812	044	66,856	045
1,5559	67,126	045	67,171	045	67,216	045	67,261	045	67,306	046

Błąd przybliżeń podanych na str. 508 i 509 jest nie większy niż 0,0005, a błąd przybliżenia otrzymanego przez interpolację liniową jest mniejszy niż 0,000508 + błąd zaokrąglenia wyniku.

Przykład interpolacji na str. 502.

XXXII. Function $\operatorname{tg} x$ for x in radians ($\operatorname{tg} x^\circ$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
50,636	025	50,661	026	50,687	026	50,713	026	50,739	025	1,5510
50,894	025	50,919	026	50,945	026	50,971	026	50,997	026	1,5511
51,154	026	51,180	026	51,206	027	51,233	026	51,259	026	1,5512
51,417	027	51,444	026	51,470	027	51,497	026	51,523	027	1,5513
51,683	027	51,710	026	51,736	027	51,763	027	51,790	027	1,5514
51,952	027	51,979	027	52,006	027	52,033	027	52,060	027	1,5515
52,223	027	52,250	028	52,278	027	52,305	027	52,332	028	1,5516
52,497	028	52,525	027	52,552	028	52,580	028	52,608	027	1,5517
52,774	028	52,802	028	52,830	028	52,858	028	52,886	028	1,5518
53,054	029	53,083	028	53,111	028	53,139	028	53,167	029	1,5519
53,338	028	53,366	029	53,395	028	53,423	029	53,452	028	1,5520
53,624	028	53,652	029	53,681	029	53,710	029	53,739	029	1,5521
53,913	029	53,942	029	53,971	029	54,000	029	54,029	030	1,5522
54,205	030	54,235	029	54,264	030	54,294	029	54,323	030	1,5523
54,501	029	54,530	030	54,560	030	54,590	030	54,620	030	1,5524
54,799	031	54,830	030	54,860	030	54,890	030	54,920	030	1,5525
55,102	030	55,132	030	55,162	031	55,193	030	55,223	031	1,5526
55,407	031	55,438	030	55,468	031	55,499	031	55,530	031	1,5527
55,716	031	55,747	031	55,778	031	55,809	031	55,840	031	1,5528
56,028	031	56,059	032	56,091	031	56,122	032	56,154	031	1,5529
56,344	032	56,376	031	56,407	032	56,439	032	56,471	032	1,5530
56,663	032	56,695	032	56,727	033	56,760	032	56,792	032	1,5531
56,986	033	57,019	032	57,051	033	57,084	032	57,116	033	1,5532
57,313	033	57,346	033	57,379	033	57,412	033	57,445	033	1,5533
57,643	034	57,677	033	57,710	033	57,743	034	57,777	033	1,5534
57,978	033	58,011	034	58,045	034	58,079	033	58,112	034	1,5535
58,316	034	58,350	034	58,384	034	58,418	034	58,452	034	1,5536
58,658	034	58,692	035	58,727	034	58,761	035	58,796	035	1,5537
59,004	035	59,039	035	59,074	035	59,109	035	59,144	035	1,5538
59,355	035	59,390	035	59,425	035	59,460	036	59,496	035	1,5539
59,709	036	59,745	035	59,780	036	59,816	036	59,852	036	1,5540
60,068	036	60,104	036	60,140	036	60,176	036	60,212	037	1,5541
60,431	036	60,467	037	60,504	037	60,541	036	60,577	037	1,5542
60,798	037	60,835	037	60,872	037	60,909	038	60,947	037	1,5543
61,170	038	61,208	037	61,245	038	61,283	037	61,320	038	1,5544
61,547	038	61,585	038	61,623	038	61,661	038	61,699	038	1,5545
61,928	039	61,967	038	62,005	039	62,044	038	62,082	039	1,5546
62,314	039	62,353	039	62,392	039	62,431	039	62,470	039	1,5547
62,705	039	62,744	040	62,784	039	62,823	040	62,863	039	1,5548
63,101	040	63,141	040	63,181	040	63,221	040	63,261	040	1,5549
63,502	040	63,542	040	63,582	041	63,623	040	63,663	041	1,5550
63,908	040	63,948	041	63,989	041	64,030	041	64,071	041	1,5551
64,319	041	64,360	042	64,402	041	64,443	042	64,485	041	1,5552
64,735	042	64,777	042	64,819	042	64,861	042	64,903	042	1,5553
65,157	043	65,200	042	65,242	043	65,285	042	65,327	043	1,5554
65,584	044	65,628	043	65,671	043	65,714	043	65,757	043	1,5555
66,018	043	66,061	044	66,105	044	66,149	043	66,192	044	1,5556
66,456	045	66,501	044	66,545	044	66,589	045	66,634	044	1,5557
66,901	045	66,946	045	66,991	045	67,036	045	67,081	045	1,5558
67,352	045	67,397	046	67,443	045	67,488	046	67,534	045	1,5559

$\operatorname{tg} x^\circ$

The error of the approximations given on pp. 508 and 509 is not greater than 0,0005 and the error of an approximation obtained by linear interpolation is less than 0,000508 + the error of rounding off the result.

An example of interpolation is given on p. 503.

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x'$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
1,5560	67,579	046	67,625	046	67,671	046	67,717	046	67,763	046
1,5561	68,039	047	68,086	046	68,132	047	68,179	046	68,225	047
1,5562	68,506	046	68,552	048	68,600	047	68,647	047	68,694	047
1,5563	68,978	048	69,026	047	69,073	048	69,121	048	69,169	048
1,5564	69,457	049	69,506	048	69,554	048	69,602	049	69,651	048
1,5565	69,943	049	69,992	049	70,041	049	70,090	050	70,140	049
1,5566	70,436	050	70,486	049	70,535	050	70,585	050	70,635	050
1,5567	70,936	050	70,986	051	71,037	050	71,087	051	71,138	050
1,5568	71,443	051	71,494	051	71,545	051	71,596	051	71,647	052
1,5569	71,957	052	72,009	052	72,061	052	72,113	052	72,165	052
1,5570	72,478	053	72,531	053	72,584	052	72,636	053	72,689	053
1,5571	73,008	053	73,061	053	73,114	054	73,168	054	73,222	053
1,5572	73,545	054	73,599	054	73,653	054	73,707	055	73,762	054
1,5573	74,090	055	74,145	055	74,200	055	74,255	055	74,310	055
1,5574	74,643	056	74,699	055	74,754	056	74,810	056	74,866	057
1,5575	75,204	057	75,261	057	75,318	056	75,374	057	75,431	057
1,5576	75,774	058	75,832	057	75,889	058	75,947	058	76,005	057
1,5577	76,353	058	76,411	059	76,470	058	76,528	059	76,587	059
1,5578	76,940	060	77,000	059	77,059	060	77,119	059	77,178	060
1,5579	77,537	060	77,597	061	77,658	060	77,718	060	77,778	061
1,5580	78,143	061	78,204	061	78,265	062	78,327	061	78,388	062
1,5581	78,759	062	78,821	062	78,883	062	78,945	063	79,008	062
1,5582	79,384	063	79,447	063	79,510	064	79,574	063	79,637	063
1,5583	80,019	064	80,083	065	80,148	064	80,212	064	80,276	065
1,5584	80,665	065	80,730	065	80,795	066	80,861	065	80,926	066
1,5585	81,321	066	81,387	066	81,453	067	81,520	066	81,586	067
1,5586	81,988	067	82,055	068	82,123	067	82,190	068	82,258	067
1,5587	82,666	068	82,734	069	82,803	068	82,871	069	82,940	069
1,5588	83,355	069	83,424	070	83,494	070	83,564	070	83,634	070
1,5589	84,056	070	84,126	071	84,197	071	84,268	071	84,339	071
1,5590	84,768	072	84,840	072	84,912	072	84,984	073	85,057	072
1,5591	85,493	073	85,566	073	85,639	074	85,713	073	85,786	074
1,5592	86,230	075	86,305	074	86,379	075	86,454	075	86,529	075
1,5593	86,980	076	87,056	076	87,132	076	87,208	076	87,284	076
1,5594	87,744	077	87,821	077	87,898	077	87,975	078	88,053	077
1,5595	88,521	078	88,599	079	88,678	078	88,756	079	88,835	079
1,5596	89,311	080	89,391	080	89,471	080	89,551	081	89,632	080
1,5597	90,116	082	90,198	081	90,279	082	90,361	081	90,442	082
1,5598	90,936	083	91,019	083	91,102	083	91,185	083	91,268	083
1,5599	91,770	085	91,855	084	91,939	085	92,024	085	92,109	084
1,5600	92,620	086	92,706	086	92,792	087	92,879	086	92,965	086
1,5601	93,486	088	93,574	088	93,662	087	93,749	088	93,837	089
1,5602	94,369	089	94,458	089	94,547	090	94,637	089	94,726	090
1,5603	95,268	091	95,359	091	95,450	091	95,541	091	95,632	092
1,5604	96,184	093	96,277	093	96,370	093	96,463	093	96,556	093
1,5605	97,119	094	97,213	095	97,308	094	97,402	095	97,497	096
1,5606	98,071	096	98,167	097	98,264	097	98,361	096	98,457	097
1,5607	99,043	098	99,141	098	99,239	099	99,338	099	99,437	099
1,5608	100,033	101	100,134	100	100,234	101	100,335	100	100,435	101
1,5609	101,044	103	101,147	102	101,249	103	101,352	102	101,454	103

Błąd przybliżeń podanych na str. 510 i 511 jest nie większy niż 0,0005, a błąd przybliżenia otrzymanego przez interpolację liniową jest mniejszy niż 0,000527 + błąd zaokrąglenia wyniku.

Przykład interpolacji na str. 502.

XXXII. Function $\operatorname{tg} x$ for x in radians ($\operatorname{tg} x^r$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
67,809	046	67,855	046	67,901	046	67,947	046	67,993	046	1,5560
68,272	046	68,318	047	68,365	047	68,412	047	68,459	047	1,5561
68,741	047	68,788	048	68,836	047	68,883	048	68,931	047	1,5562
69,217	048	69,265	048	69,313	048	69,361	048	69,409	048	1,5563
69,699	049	69,748	049	69,797	049	69,846	048	69,894	049	1,5564
70,189	049	70,238	049	70,287	050	70,337	049	70,386	050	1,5565
70,685	050	70,735	050	70,785	050	70,835	050	70,885	051	1,5566
71,188	051	71,239	051	71,290	051	71,341	051	71,392	051	1,5567
71,699	051	71,750	052	71,802	051	71,853	052	71,905	052	1,5568
72,217	052	72,269	052	72,321	053	72,374	052	72,426	052	1,5569
72,742	053	72,795	053	72,848	053	72,901	053	72,954	054	1,5570
73,275	054	73,329	054	73,383	054	73,437	054	73,491	054	1,5571
73,816	055	73,871	054	73,925	055	73,980	055	74,035	055	1,5572
74,365	056	74,421	055	74,476	056	74,532	055	74,587	056	1,5573
74,923	056	74,979	056	75,035	056	75,091	057	75,148	056	1,5574
75,488	057	75,545	057	75,602	058	75,660	057	75,717	057	1,5575
76,062	058	76,120	058	76,178	058	76,236	059	76,295	058	1,5576
76,646	058	76,704	059	76,763	059	76,822	059	76,881	059	1,5577
77,238	059	77,297	060	77,357	060	77,417	060	77,477	060	1,5578
77,839	061	77,900	060	77,960	061	78,021	061	78,082	061	1,5579
78,450	061	78,511	062	78,573	062	78,635	062	78,697	062	1,5580
79,070	063	79,133	062	79,195	063	79,258	063	79,321	063	1,5581
79,700	064	79,764	064	79,828	063	79,891	064	79,955	064	1,5582
80,341	064	80,405	065	80,470	065	80,535	065	80,600	065	1,5583
80,992	065	81,057	066	81,123	066	81,189	066	81,255	066	1,5584
81,653	067	81,720	067	81,787	067	81,854	067	81,921	067	1,5585
82,325	068	82,393	068	82,461	068	82,529	068	82,597	069	1,5586
83,009	069	83,078	069	83,147	069	83,216	069	83,285	070	1,5587
83,704	070	83,774	070	83,844	071	83,915	070	83,985	071	1,5588
84,410	072	84,482	071	84,553	072	84,625	071	84,696	072	1,5589
85,129	073	85,202	072	85,274	073	85,347	073	85,420	073	1,5590
85,860	074	85,934	074	86,008	074	86,082	074	86,156	074	1,5591
86,604	075	86,679	075	86,754	075	86,829	076	86,905	075	1,5592
87,360	077	87,437	076	87,513	077	87,590	077	87,667	077	1,5593
88,130	078	88,208	078	88,286	078	88,364	078	88,442	079	1,5594
88,914	079	88,993	080	89,073	079	89,152	080	89,232	079	1,5595
89,712	081	89,793	080	89,873	081	89,954	081	90,035	081	1,5596
90,524	082	90,606	082	90,688	083	90,771	082	90,853	083	1,5597
91,351	084	91,435	083	91,518	084	91,602	084	91,686	084	1,5598
92,193	086	92,279	085	92,364	085	92,449	086	92,535	085	1,5599
93,051	087	93,138	087	93,225	087	93,312	087	93,399	087	1,5600
93,926	088	94,014	088	94,102	089	94,191	089	94,280	089	1,5601
94,816	090	94,906	090	94,996	091	95,087	090	95,177	091	1,5602
95,724	092	95,816	092	95,908	092	96,000	092	96,092	092	1,5603
96,649	094	96,743	093	96,836	094	96,930	094	97,024	095	1,5604
97,593	095	97,688	095	97,783	096	97,879	096	97,975	096	1,5605
98,554	098	98,652	097	98,749	098	98,847	098	98,945	098	1,5606
99,536	099	99,635	099	99,734	100	99,834	099	99,933	100	1,5607
100,536	102	100,638	101	100,739	101	100,840	102	100,942	102	1,5608
101,557	104	101,661	103	101,764	104	101,868	104	101,972	104	1,5609

$\operatorname{tg} x^r$

The error of the approximations given on pp. 510 and 511 is not greater than 0,0005 and the error of an approximation obtained by linear interpolation is less than 0,000527 + the error of rounding off the result.

An example of interpolation is given on p. 503.

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x^r$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
1,5610	102,076	104	102,180	105	102,285	104	102,389	105	102,494	106
1,5611	103,129	106	103,235	107	103,342	107	103,449	107	103,556	107
1,5612	104,203	109	104,312	109	104,421	109	104,530	110	104,640	109
1,5613	105,301	111	105,412	111	105,523	111	105,634	112	105,746	112
1,5614	106,421	114	106,535	113	106,648	114	106,762	114	106,876	115
1,5615	107,566	116	107,682	116	107,798	117	107,915	116	108,031	117
1,5616	108,736	118	108,854	119	108,973	119	109,092	119	109,211	119
1,5617	109,931	121	110,052	122	110,174	121	110,295	122	110,417	122
1,5618	111,153	124	111,277	124	111,401	124	111,525	125	111,650	125
1,5619	112,403	126	112,529	127	112,656	127	112,783	128	112,911	127
1,5620	113,681	129	113,810	130	113,940	130	114,070	130	114,200	131
1,5621	114,988	133	115,121	132	115,253	133	115,386	134	115,520	133
1,5622	116,326	135	116,461	136	116,597	136	116,733	137	116,870	136
1,5623	117,695	139	117,834	139	117,973	139	118,112	140	118,252	140
1,5624	119,097	142	119,239	142	119,381	143	119,524	143	119,667	143
1,5625	120,533	145	120,678	146	120,824	146	120,970	146	121,116	147
1,5626	122,003	149	122,152	150	122,302	149	122,451	150	122,601	151
1,5627	123,510	153	123,663	153	123,816	153	123,969	154	124,123	155
1,5628	125,055	156	125,211	157	125,368	158	125,526	157	125,683	159
1,5629	126,639	160	126,799	161	126,960	162	127,122	161	127,283	163
1,5630	128,263	165	128,428	165	128,593	165	128,758	166	128,924	167
1,5631	129,930	169	130,099	169	130,268	170	130,438	170	130,608	171
1,5632	131,640	174	131,814	174	131,988	174	132,162	175	132,337	175
1,5633	133,396	178	133,574	179	133,753	179	133,932	180	134,112	180
1,5634	135,200	183	135,383	183	135,566	184	135,750	185	135,935	185
1,5635	137,053	188	137,241	189	137,430	189	137,619	189	137,808	191
1,5636	138,957	194	139,151	194	139,345	194	139,539	195	139,734	196
1,5637	140,916	198	141,114	200	141,314	200	141,514	200	141,714	202
1,5638	142,930	204	143,134	206	143,340	205	143,545	207	143,752	207
1,5639	145,002	211	145,213	211	145,424	212	145,636	212	145,848	213
1,5640	147,136	217	147,353	217	147,570	218	147,788	219	148,007	220
1,5641	149,333	224	149,557	224	149,781	224	150,005	226	150,231	226
1,5642	151,597	231	151,828	230	152,058	232	152,290	232	152,522	233
1,5643	153,931	237	154,168	238	154,406	239	154,645	240	154,885	240
1,5644	156,338	244	156,582	246	156,828	246	157,074	247	157,321	248
1,5645	158,821	252	159,073	254	159,327	254	159,581	255	159,836	256
1,5646	161,384	261	161,645	261	161,906	263	162,169	263	162,432	265
1,5647	164,031	270	164,301	270	164,571	271	164,842	273	165,115	273
1,5648	166,767	278	167,045	280	167,325	280	167,605	282	167,887	282
1,5649	169,595	288	169,883	289	170,172	290	170,462	292	170,754	292
1,5650	172,521	298	172,819	299	173,118	301	173,419	301	173,720	302
1,5651	175,550	309	175,859	309	176,168	311	176,479	312	176,791	313
1,5652	178,687	320	179,007	321	179,328	322	179,650	323	179,973	325
1,5653	181,938	331	182,269	333	182,602	334	182,936	336	183,272	336
1,5654	185,309	344	185,653	346	185,999	346	186,345	348	186,693	350
1,5655	188,808	358	189,166	358	189,524	360	189,884	361	190,245	363
1,5656	192,442	371	192,813	372	193,185	374	193,559	376	193,935	377
1,5657	196,218	386	196,604	387	196,991	389	197,380	390	197,770	392
1,5658	200,145	402	200,547	403	200,950	404	201,354	407	201,761	408
1,5659	204,233	418	204,651	420	205,071	421	205,492	423	205,915	425
1,5660	208,491	436	208,927	437	209,364	440	209,804	441	210,245	443
1,5661	212,931	454	213,385	456	213,841	459	214,300	460	214,760	462
1,5662	217,564	474	218,038	476	218,514	479	218,993	481	219,474	482
1,5663	222,402	496	222,898	498	223,396	500	223,896	503	224,399	504
1,5664	227,461	519	227,980	521	228,501	523	229,024	526	229,550	528

Błąd przybliżeń podanych na str. 512 i 513 jest nie większy niż 0,0005, a błąd przybliżenia otrzymanego przez interpolację liniową jest mniejszy niż 0,000816 + błąd zaokrąglenia wyniku.

Przykład interpolacji na str. 502.

XXXII. Function $\operatorname{tg} x$ for x in radians ($\operatorname{tg} x^r$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
102,600	105	102,705	105	102,810	106	102,916	106	103,022	107	1,5610
103,663	108	103,771	108	103,879	108	103,987	108	104,095	108	1,5611
104,749	110	104,859	110	104,969	110	105,079	111	105,190	111	1,5612
105,858	112	105,970	113	106,083	112	106,195	113	106,308	113	1,5613
106,991	114	107,105	115	107,220	115	107,335	116	107,451	115	1,5614
108,148	117	108,265	117	108,382	118	108,500	118	108,618	118	1,5615
109,330	120	109,450	120	109,570	120	109,690	121	109,811	120	1,5616
110,539	122	110,661	123	110,784	123	110,907	123	111,030	123	1,5617
111,775	125	111,900	125	112,025	126	112,151	126	112,277	126	1,5618
113,038	128	113,166	128	113,294	129	113,423	129	113,552	129	1,5619
114,331	131	114,462	131	114,593	131	114,724	132	114,856	132	1,5620
115,653	134	115,787	134	115,921	135	116,056	135	116,191	135	1,5621
117,006	138	117,144	137	117,281	138	117,419	138	117,557	138	1,5622
118,392	140	118,532	141	118,673	141	118,814	141	118,955	142	1,5623
119,810	144	119,954	144	120,098	145	120,243	144	120,387	146	1,5624
121,263	148	121,411	147	121,558	148	121,706	148	121,854	149	1,5625
122,752	151	122,903	151	123,054	152	123,206	152	123,358	152	1,5626
124,278	154	124,432	155	124,587	156	124,743	156	124,899	156	1,5627
125,842	158	126,000	159	126,159	160	126,319	159	126,478	161	1,5628
127,446	162	127,608	163	127,771	164	127,935	164	128,099	164	1,5629
129,091	167	129,258	167	129,425	168	129,593	168	129,761	169	1,5630
130,779	171	130,950	172	131,122	172	131,294	173	131,467	173	1,5631
132,512	176	132,688	176	132,864	177	133,041	177	133,218	178	1,5632
134,292	181	134,473	181	134,654	181	134,835	182	135,017	183	1,5633
136,120	186	136,306	186	136,492	186	136,678	187	136,865	188	1,5634
137,999	190	138,189	191	138,380	192	138,572	193	138,765	192	1,5635
139,930	196	140,126	196	140,322	198	140,520	197	140,717	199	1,5636
141,916	201	142,117	203	142,320	202	142,522	204	142,726	204	1,5637
143,959	207	144,166	208	144,374	209	144,583	209	144,792	210	1,5638
146,061	214	146,275	214	146,489	215	146,704	216	146,920	216	1,5639
148,227	220	148,447	220	148,667	222	148,889	222	149,111	222	1,5640
150,457	227	150,684	227	150,911	228	151,139	229	151,368	229	1,5641
152,755	234	152,989	234	153,223	236	153,459	235	153,694	237	1,5642
155,125	241	155,366	242	155,608	242	155,850	244	156,094	244	1,5643
157,569	249	157,818	249	158,067	251	158,318	251	158,569	252	1,5644
160,092	257	160,349	257	160,606	259	160,865	259	161,124	260	1,5645
162,697	265	162,962	266	163,228	267	163,495	268	163,763	268	1,5646
165,388	274	165,662	275	165,937	275	166,212	277	166,489	278	1,5647
168,169	283	168,452	285	168,737	285	169,022	286	169,308	287	1,5648
171,046	293	171,339	294	171,633	295	171,928	296	172,224	297	1,5649
174,022	304	174,326	304	174,630	306	174,936	306	175,242	308	1,5650
177,104	315	177,419	315	177,734	316	178,050	318	178,368	319	1,5651
180,298	325	180,623	327	180,950	328	181,278	329	181,607	331	1,5652
183,608	338	183,946	339	184,285	340	184,625	342	184,967	342	1,5653
187,043	350	187,393	352	187,745	353	188,098	355	188,453	355	1,5654
190,608	364	190,972	365	191,337	367	191,704	368	192,072	370	1,5655
194,312	378	194,690	380	195,070	381	195,451	383	195,834	384	1,5656
198,162	394	198,556	395	198,951	396	199,347	399	199,746	399	1,5657
202,169	409	202,578	411	202,989	413	203,402	415	203,817	416	1,5658
206,340	427	206,767	428	207,195	431	207,626	431	208,057	434	1,5659
210,688	445	211,133	446	211,579	449	212,028	450	212,478	453	1,5660
215,222	464	215,686	467	216,153	468	216,621	470	217,091	473	1,5661
219,956	485	220,441	487	220,928	489	221,417	492	221,909	493	1,5662
224,903	507	225,410	509	225,919	512	226,431	514	226,945	516	1,5663
230,078	530	230,608	534	231,142	535	231,677	538	232,215	541	1,5664

$\operatorname{tg} x^r$

The error of the approximations given on pp. 512 and 513 is not greater than 0,0005 and the error of an approximation obtained by linear interpolation is less than 0,000816 + the error of rounding off the result.

An example of interpolation is given on p. 503.

XXXII. Funkcja $\operatorname{tg} x$ dla x w radianach ($\operatorname{tg} x^\circ$)

x	0	δ	1	δ	2	δ	3	δ	4	δ
1,5665	232,756	543	233,299	545	233,844	548	234,392	551	234,943	553
1,5666	238,302	569	238,871	572	239,443	575	240,018	578	240,596	580
1,5667	244,120	597	244,717	601	245,318	603	245,921	606	246,527	609
1,5668	250,228	628	250,856	631	251,487	634	252,121	637	252,758	641
1,5669	256,651	660	257,311	664	257,975	667	258,642	671	259,313	674
1,5670	263,411	696	264,107	699	264,806	703	265,509	707	266,216	711
1,5671	270,54	073	271,27	074	272,01	074	272,75	075	273,50	075
1,5672	278,06	078	278,84	078	279,62	078	280,40	079	281,19	079
1,5673	286,01	082	286,83	083	287,66	083	288,49	083	289,32	084
1,5674	294,43	087	295,30	088	296,18	088	297,06	088	297,94	089
1,5675	303,37	092	304,29	093	305,22	093	306,15	094	307,09	095
1,5676	312,86	098	313,84	099	314,83	099	315,82	100	316,82	101
1,5677	322,96	105	324,01	105	325,06	106	326,12	107	327,19	107
1,5678	333,74	112	334,86	112	335,98	114	337,12	114	338,26	114
1,5679	345,26	120	346,46	120	347,66	122	348,88	122	350,10	123
1,5680	357,61	128	358,89	130	360,19	130	361,49	131	362,80	132
1,5681	370,87	138	372,25	140	373,65	140	375,05	141	376,46	142
1,5682	385,16	149	386,65	150	388,15	151	389,66	153	391,19	153
1,5683	400,59	161	402,20	162	403,82	164	405,46	165	407,11	167
1,5684	417,30	175	419,05	177	420,82	178	422,60	179	424,39	181
1,5685	435,48	190	437,38	192	439,30	194	441,24	196	443,20	197
1,5686	455,30	209	457,39	210	459,49	212	461,61	214	463,75	216
1,5687	477,02	229	479,31	231	481,62	233	483,95	235	486,30	238
1,5688	500,92	252	503,44	255	505,99	257	508,56	260	511,16	263
1,5689	527,33	280	530,13	283	532,96	285	535,81	289	538,70	292
1,5690	556,69	(*)	559,81	(*)	562,96	(*)	566,15	(*)	569,37	(*)
1,5691	589,51	(*)	593,00	(*)	596,54	(*)	600,12	(*)	603,75	(*)
1,5692	626,44	(*)	630,39	(*)	634,39	(*)	638,44	(*)	642,54	(*)
1,5693	668,30	(*)	672,80	(*)	677,36	(*)	681,98	(*)	686,66	(*)
1,5694	716,16	(*)	721,33	(*)	726,57	(*)	731,89	(*)	737,28	(*)
1,5695	771,41	(*)	777,41	(*)	783,50	(*)	789,69	(*)	795,97	(*)
1,5696	835,89	(*)	842,94	(*)	850,10	(*)	857,39	(*)	864,81	(*)
1,5697	912,14	(*)	920,53	(*)	929,09	(*)	937,80	(*)	946,68	(*)
1,5698	1003,69	(*)	1013,86	(*)	1024,25	(*)	1034,85	(*)	1045,67	(*)
1,5699	1115,66	(*)	1128,25	(*)	1141,13	(*)	1154,30	(*)	1167,78	(*)
1,5700	1255,77	(*)	1271,74	(*)	1288,12	(*)	1304,93	(*)	1322,18	(*)
1,5701	1436,11	(*)	1457,03	(*)	1478,57	(*)	1500,76	(*)	1523,63	(*)
1,5702	1676,93	(*)	1705,53	(*)	1735,13	(*)	1765,76	(*)	1797,50	(*)
1,5703	2014,80	(*)	2056,23	(*)	2099,40	(*)	2144,42	(*)	2191,41	(*)
1,5704	2523,17	(*)	2588,48	(*)	2657,26	(*)	2729,80	(*)	2806,41	(*)
1,5705	3374,65	(*)	3492,51	(*)	3618,90	(*)	3754,79	(*)	3901,27	(*)
1,5706	5093,55	(*)	5366,91	(*)	5671,29	(*)	6012,26	(*)	6396,86	(*)
1,5707	10381,33	(*)	11583,89	(*)	13101,56	(*)	15076,86	(*)	17753,54	(*)

(*) Nie interpolować. Dla $1,56900 < x < \frac{1}{2}\pi$ można obliczyć $\operatorname{tg} x$ ze wzoru

$$\operatorname{tg} x \approx \frac{1}{\frac{1}{2}\pi - x}$$

z dokładnością do 0,0006; $\frac{1}{2}\pi = 1,570796326\dots$ Dla $x > \frac{1}{2}\pi$ można obliczyć $\operatorname{tg} x$ ze wzoru

$$\operatorname{tg} x = \operatorname{tg}(x - n\pi),$$

gdzie n jest liczbą naturalną tak dobraną, że $-\frac{1}{2}\pi < x - n\pi < \frac{1}{2}\pi$; wtedy $\operatorname{tg}(x - n\pi)$ odczytujemy z tablicy; $\operatorname{tg}(-x) = -\operatorname{tg} x$; $\pi = 3,141592653\dots$

Błąd przybliżeń podanych na str. 514 i 515 jest dla $1,56650 \leq x < 1,56710$ nie większy niż 0,0005, a dla $1,56710 \leq x < 1,57080$ nie większy niż 0,005. Błąd przybliżenia otrzymanego przez interpolację liniową jest dla $1,56650 < x < 1,56710$ mniejszy niż 0,000996 + błąd zaokrąglenia wyniku, a dla $1,56710 < x < 1,56900$ mniejszy niż 0,00932 + błąd zaokrąglenia wyniku.

Przykład interpolacji na str. 502.

XXXII. Function $\operatorname{tg} x$ for x in radians ($\operatorname{tg} x^\circ$)

5	δ	6	δ	7	δ	8	δ	9	δ	x
235,496	556	236,052	559	236,611	561	237,172	564	237,736	566	1,5665
241,176	583	241,759	586	242,345	589	242,934	591	243,525	595	1,5666
247,136	613	247,749	615	248,364	618	248,982	622	249,604	624	1,5667
253,399	644	254,043	647	254,690	650	255,340	654	255,994	657	1,5668
259,987	678	260,665	681	261,346	685	262,031	688	262,719	692	1,5669
266,927	714	267,641	719	268,360	722	269,082	726	269,808	730	1,5670
274,25	075	275,00	076	275,76	076	276,52	077	277,29	077	1,5671
281,98	080	282,78	080	283,58	081	284,39	081	285,20	081	1,5672
290,16	085	291,01	085	291,86	085	292,71	086	293,57	086	1,5673
298,83	090	299,73	090	300,63	091	301,54	091	302,45	092	1,5674
308,04	095	308,99	096	309,95	096	310,91	097	311,88	098	1,5675
317,83	101	318,84	102	319,86	103	320,89	103	321,92	104	1,5676
328,26	108	329,34	109	330,43	110	331,53	110	332,63	111	1,5677
339,40	116	340,56	116	341,72	118	342,90	118	344,08	118	1,5678
351,33	124	352,57	125	353,82	125	355,07	127	356,34	127	1,5679
364,12	133	365,45	134	366,79	135	368,14	136	369,50	137	1,5680
377,88	143	379,31	145	380,76	145	382,21	147	383,68	148	1,5681
392,72	155	394,27	156	395,83	157	397,40	159	398,99	160	1,5682
408,78	167	410,45	169	412,14	171	413,85	172	415,57	173	1,5683
426,20	182	428,02	184	429,86	186	431,72	187	433,59	189	1,5684
445,17	199	447,16	201	449,17	203	451,20	204	453,24	206	1,5685
465,91	218	468,09	220	470,29	223	472,52	224	474,76	226	1,5686
488,68	240	491,08	242	493,50	245	495,95	247	498,42	250	1,5687
513,79	265	516,44	268	519,12	271	521,83	274	524,57	276	1,5688
541,62	294	544,56	299	547,55	301	550,56	305	553,61	308	1,5689
572,63	(*)	575,93	(*)	579,26	(*)	582,64	(*)	586,05	(*)	1,5690
607,41	(*)	611,12	(*)	614,88	(*)	618,69	(*)	622,54	(*)	1,5691
646,69	(*)	650,90	(*)	655,17	(*)	659,49	(*)	663,87	(*)	1,5692
691,41	(*)	696,22	(*)	701,10	(*)	706,05	(*)	711,07	(*)	1,5693
742,76	(*)	748,32	(*)	753,96	(*)	759,69	(*)	765,50	(*)	1,5694
802,36	(*)	808,85	(*)	815,44	(*)	822,15	(*)	828,96	(*)	1,5695
872,35	(*)	880,03	(*)	887,84	(*)	895,79	(*)	903,89	(*)	1,5696
955,72	(*)	964,95	(*)	974,35	(*)	983,94	(*)	993,71	(*)	1,5697
1056,72	(*)	1068,00	(*)	1079,53	(*)	1091,31	(*)	1103,35	(*)	1,5698
1181,58	(*)	1195,70	(*)	1210,17	(*)	1225,00	(*)	1240,19	(*)	1,5699
1339,90	(*)	1358,09	(*)	1376,79	(*)	1396,01	(*)	1415,78	(*)	1,5700
1547,20	(*)	1571,52	(*)	1596,61	(*)	1622,52	(*)	1649,28	(*)	1,5701
1830,41	(*)	1864,53	(*)	1899,96	(*)	1936,76	(*)	1975,01	(*)	1,5702
2240,51	(*)	2291,86	(*)	2345,62	(*)	2401,96	(*)	2461,07	(*)	1,5703
2887,45	(*)	2973,30	(*)	3064,41	(*)	3161,29	(*)	3264,49	(*)	1,5704
4059,65	(*)	4231,43	(*)	4418,39	(*)	4622,64	(*)	4846,68	(*)	1,5705
6834,02	(*)	7335,32	(*)	7915,98	(*)	8596,47	(*)	9404,97	(*)	1,5706
21585,78	(*)	27527,89	(*)	37984,11	(*)	61249,01	(*)	158057,91	(*)	1,5707

$\operatorname{tg} x^\circ$

(*) Do not interpolate. For $1,56900 < x < \frac{1}{2}\pi$ we can find $\operatorname{tg} x$ from the formula

$$\operatorname{tg} x \approx \frac{1}{\frac{1}{2}\pi - x}$$

with error not greater than 0,0006; $\frac{1}{2}\pi = 1,570796326\dots$ For $x > \frac{1}{2}\pi$ we can find $\operatorname{tg} x$ from the formula

$$\operatorname{tg} x = \operatorname{tg}(x - n\pi),$$

where n is a natural number chosen in such a way that $-\frac{1}{2}\pi < x - n\pi < \frac{1}{2}\pi$; then we read $\operatorname{tg}(x - n\pi)$ in the table; $\operatorname{tg}(-x) = -\operatorname{tg} x$; $\pi = 3,141592653\dots$

The error of the approximations given on pp. 514 and 515 is for $1,56650 \leq x < 1,56710$ not greater than 0,0005 and for $1,56710 \leq x < 1,57080$ not greater than 0,005. The error of an approximation obtained by linear interpolation is for $1,56650 < x < 1,56710$ less than $0,000996$ + the error of rounding off the result and for $1,56710 < x < 1,56900$ less than $0,00932$ + the error of rounding off the result.

An example of interpolation is given on p. 503.