

**FOUR-PLACE
TABLES OF
LOGARITHMS**

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Four-place Tables of Logarithms by William Anthony Granville

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WILLIAM ANTHONY GRANVILLE

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COMPILED BY

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Charles J. Mahady
Cambridge

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CONTENTS

	PAGES
TABLE I. LOGARITHMS OF NUMBERS	1-5
RULES FOR FINDING THE LOGARITHMS OF THE TRIGONOMETRIC FUNCTIONS OF ANGLES NEAR 0° AND 90° . .	6
TABLE II. LOGARITHMS OF THE TRIGONOMETRIC FUNCTIONS, THE ANGLE BEING EXPRESSED IN DEGREES AND MINUTES	7-16
CONVERSION TABLES FOR ANGLES	17
TABLE III. LOGARITHMS OF THE TRIGONOMETRIC FUNCTIONS, THE ANGLE BEING EXPRESSED IN DEGREES AND THE DECIMAL PART OF A DEGREE	19-37
TABLE OF NATURAL VALUES OF THE TRIGONOMETRIC FUNCTIONS FOR EVERY DEGREE	38

TABLE I

FOUR-PLACE LOGARITHMS OF NUMBERS

This table gives the mantissas of the common logarithms (base 10) of the natural numbers (integers) from 1 to 2000, calculated to four places of decimals.

A logarithm found from this table by interpolation may be in error by one unit in the last decimal place.

TABLE I. LOGARITHMS OF NUMBERS

No.	0 1 2 3 4 5 6 7 8 9									Prop. Parts		
										Extr. digit	Difference	
100	0000	0004	0009	0013	0017	0022	0026	0030	0035	0039		
101	0043	0048	0052	0056	0060	0065	0069	0073	0077	0082		
102	0086	0090	0095	0099	0103	0107	0111	0116	0120	0124		
103	0128	0133	0137	0141	0145	0149	0154	0158	0162	0166		
104	0170	0175	0179	0183	0187	0191	0195	0199	0204	0208		
105	0212	0216	0220	0224	0228	0233	0237	0241	0245	0249		
106	0253	0257	0261	0265	0269	0273	0278	0282	0286	0290		
107	0294	0298	0302	0306	0310	0314	0318	0322	0326	0330		
108	0334	0338	0342	0346	0350	0354	0358	0362	0366	0370		
109	0374	0378	0382	0386	0390	0394	0398	0402	0406	0410		
110	0414	0418	0422	0426	0430	0434	0438	0441	0445	0449		
111	0453	0457	0461	0465	0469	0473	0477	0481	0484	0488		
112	0492	0496	0500	0504	0508	0512	0515	0519	0523	0527		
113	0531	0535	0538	0542	0546	0550	0554	0558	0561	0565		
114	0569	0573	0577	0580	0584	0588	0592	0596	0599	0603		
115	0607	0611	0615	0618	0622	0626	0630	0633	0637	0641		
116	0645	0648	0652	0656	0660	0663	0667	0671	0674	0678		
117	0682	0686	0689	0693	0697	0700	0704	0708	0711	0715		
118	0719	0722	0726	0730	0734	0737	0741	0745	0748	0752		
119	0755	0759	0763	0766	0770	0774	0777	0781	0785	0788		
120	0792	0795	0799	0803	0806	0810	0813	0817	0821	0824		
121	0828	0831	0835	0839	0842	0846	0849	0853	0856	0860		
122	0864	0867	0871	0874	0878	0881	0885	0888	0892	0896		
123	0899	0903	0906	0910	0913	0917	0920	0924	0927	0931		
124	0934	0938	0941	0945	0948	0952	0955	0959	0962	0966		
125	0969	0973	0976	0980	0983	0986	0990	0993	0997	1000		
126	1004	1007	1011	1014	1017	1021	1024	1028	1031	1035		
127	1038	1041	1045	1048	1052	1055	1059	1062	1065	1069		
128	1072	1075	1079	1082	1086	1089	1093	1096	1099	1103		
129	1106	1109	1113	1116	1119	1123	1126	1129	1133	1136		
130	1139	1143	1146	1149	1153	1156	1159	1163	1166	1169		
131	1173	1176	1179	1183	1186	1189	1193	1196	1199	1202		
132	1206	1209	1212	1216	1219	1222	1225	1229	1232	1235		
133	1239	1242	1245	1248	1252	1255	1258	1261	1265	1268		
134	1271	1274	1278	1281	1284	1287	1290	1294	1297	1300		
135	1303	1307	1310	1313	1316	1319	1323	1326	1329	1332		
136	1335	1339	1342	1345	1348	1351	1355	1358	1361	1364		
137	1367	1370	1374	1377	1380	1383	1386	1389	1392	1396		
138	1399	1402	1405	1408	1411	1414	1418	1421	1424	1427		
139	1430	1433	1436	1440	1443	1446	1449	1452	1455	1458		
140	1461	1464	1467	1471	1474	1477	1480	1483	1486	1489		
141	1492	1495	1498	1501	1504	1508	1511	1514	1517	1520		
142	1523	1526	1529	1532	1535	1538	1541	1544	1547	1550		
143	1553	1556	1559	1562	1565	1569	1572	1575	1578	1581		
144	1584	1587	1590	1593	1596	1599	1602	1605	1608	1611		
145	1614	1617	1620	1623	1626	1629	1632	1635	1638	1641		
146	1644	1647	1649	1652	1655	1658	1661	1664	1667	1670		
147	1673	1676	1679	1682	1685	1688	1691	1694	1697	1700		
148	1703	1706	1708	1711	1714	1717	1720	1723	1726	1729		
149	1732	1735	1738	1741	1744	1746	1749	1752	1755	1758		
150	1761	1764	1767	1770	1772	1775	1778	1781	1784	1787		
No.	0	1	2	3	4	5	6	7	8	9		

1148

4

3

2

1.8

TABLE I. LOGARITHMS OF NUMBERS

No.	Prop. Parts									
	0	1	2	3	4	5	6	7	8	9
150	1761	1764	1767	1770	1772	1775	1778	1781	1784	1787
151	1790	1793	1796	1798	1801	1804	1807	1810	1813	1816
152	1818	1821	1824	1827	1830	1833	1836	1838	1841	1844
153	1847	1850	1853	1855	1858	1861	1864	1867	1870	1872
154	1875	1878	1881	1884	1886	1889	1892	1895	1898	1901
155	1903	1906	1909	1912	1915	1917	1920	1923	1926	1928
156	1931	1934	1937	1940	1942	1945	1948	1951	1953	1956
157	1959	1962	1965	1967	1970	1973	1976	1978	1981	1984
158	1987	1989	1992	1995	1998	2000	2003	2006	2009	2011
159	2014	2017	2019	2022	2025	2028	2030	2033	2036	2038
160	2041	2044	2047	2049	2052	2055	2057	2060	2063	2066
161	2068	2071	2074	2076	2079	2082	2084	2087	2090	2092
162	2095	2098	2101	2103	2106	2109	2111	2114	2117	2119
163	2122	2125	2127	2130	2133	2135	2138	2140	2143	2146
164	2148	2151	2154	2156	2159	2162	2164	2167	2170	2172
165	2175	2177	2180	2183	2185	2188	2191	2193	2196	2198
166	2201	2204	2206	2209	2212	2214	2217	2219	2222	2225
167	2227	2230	2232	2235	2238	2240	2243	2245	2248	2251
168	2253	2256	2258	2261	2263	2266	2269	2271	2274	2276
169	2279	2281	2284	2287	2289	2292	2294	2297	2299	2302
170	2304	2307	2310	2312	2315	2317	2320	2322	2325	2327
171	2330	2333	2335	2338	2340	2343	2345	2348	2350	2353
172	2355	2358	2360	2363	2365	2368	2370	2373	2375	2378
173	2380	2383	2385	2388	2390	2393	2395	2398	2400	2403
174	2405	2408	2410	2413	2415	2418	2420	2423	2425	2428
175	2430	2433	2435	2438	2440	2443	2445	2448	2450	2453
176	2455	2458	2460	2463	2465	2467	2470	2472	2475	2477
177	2480	2482	2485	2487	2490	2492	2494	2497	2499	2502
178	2504	2507	2509	2512	2514	2516	2519	2521	2524	2526
179	2529	2531	2533	2536	2538	2541	2543	2545	2548	2550
180	2553	2555	2558	2560	2562	2565	2567	2570	2572	2574
181	2577	2579	2582	2584	2586	2589	2591	2594	2596	2598
182	2601	2603	2605	2608	2610	2613	2615	2617	2620	2622
183	2625	2627	2629	2632	2634	2636	2639	2641	2643	2646
184	2648	2651	2653	2655	2658	2660	2662	2665	2667	2669
185	2672	2674	2676	2679	2681	2683	2686	2688	2690	2693
186	2695	2697	2700	2702	2704	2707	2709	2711	2714	2716
187	2718	2721	2723	2725	2728	2730	2732	2735	2737	2739
188	2742	2744	2746	2749	2751	2753	2755	2758	2760	2762
189	2765	2767	2769	2772	2774	2776	2778	2781	2783	2785
190	2788	2790	2792	2794	2797	2799	2801	2804	2806	2808
191	2810	2813	2815	2817	2819	2822	2824	2826	2828	2831
192	2833	2835	2838	2840	2842	2844	2847	2849	2851	2853
193	2856	2858	2860	2862	2865	2867	2869	2871	2874	2876
194	2878	2880	2883	2885	2887	2889	2891	2894	2896	2898
195	2900	2903	2905	2907	2909	2911	2914	2916	2918	2920
196	2923	2925	2927	2929	2931	2934	2936	2938	2940	2942
197	2945	2947	2949	2951	2953	2956	2958	2960	2962	2964
198	2967	2969	2971	2973	2975	2978	2980	2982	2984	2986
199	2989	2991	2993	2995	2997	2999	3002	3004	3006	3008
200	3010	3012	3015	3017	3019	3021	3023	3025	3028	3030

Extra digit		Difference
1	3	0.3
2	3	0.6
3	3	0.9
4	3	1.2
5	3	1.5
6	3	1.8
7	3	2.1
8	3	2.4
9	3	2.7

2	
1	0.2
2	0.4
3	0.6
4	0.8
5	1.0
6	1.2
7	1.4
8	1.6
9	1.8

TABLE I. LOGARITHMS OF NUMBERS

No.	Prop. Parts									Extra digit	Difference	
	0	1	2	3	4	5	6	7	8		9	
20	3010	3032	3054	3075	3096	3118	3139	3160	3181	3201		
21	3222	3243	3263	3284	3304	3324	3345	3365	3385	3404		
22	3424	3444	3464	3483	3502	3522	3541	3560	3579	3598		
23	3617	3636	3655	3674	3692	3711	3729	3747	3766	3784		
24	3802	3820	3838	3856	3874	3892	3909	3927	3945	3962		
25	3979	3997	4014	4031	4048	4065	4082	4099	4116	4133		
26	4150	4166	4183	4200	4216	4232	4249	4265	4281	4298		
27	4314	4330	4346	4362	4378	4393	4409	4425	4440	4456		
28	4472	4487	4502	4518	4533	4548	4564	4579	4594	4609		
29	4624	4639	4654	4669	4683	4698	4713	4728	4742	4757		
30	4771	4786	4800	4814	4829	4843	4857	4871	4886	4900		
31	4914	4928	4942	4955	4969	4983	4997	5011	5024	5038		
32	5051	5065	5079	5092	5105	5119	5132	5145	5159	5172		
33	5185	5198	5211	5224	5237	5250	5263	5276	5289	5302		
34	5315	5328	5340	5353	5366	5378	5391	5403	5416	5428		
35	5441	5453	5465	5478	5490	5502	5514	5527	5539	5551		
36	5563	5575	5587	5599	5611	5623	5635	5647	5658	5670		
37	5682	5694	5705	5717	5729	5740	5752	5763	5775	5786		
38	5798	5809	5821	5832	5843	5855	5866	5877	5888	5900		
39	5911	5922	5933	5944	5955	5966	5977	5988	5999	6010		
40	6021	6031	6042	6053	6064	6075	6085	6096	6107	6117		
41	6128	6138	6149	6160	6170	6180	6191	6201	6212	6222		
42	6232	6243	6253	6263	6274	6284	6294	6304	6314	6325		
43	6335	6345	6355	6365	6375	6385	6395	6405	6415	6425		
44	6435	6444	6454	6464	6474	6484	6493	6503	6513	6522		
45	6532	6542	6551	6561	6571	6580	6590	6599	6609	6618		
46	6628	6637	6646	6656	6665	6675	6684	6693	6702	6712		
47	6721	6730	6739	6749	6758	6767	6776	6785	6794	6803		
48	6812	6821	6830	6839	6848	6857	6866	6875	6884	6893		
49	6902	6911	6920	6928	6937	6946	6955	6964	6972	6981		
50	6990	6998	7007	7016	7024	7033	7042	7050	7059	7067		
51	7076	7084	7093	7101	7110	7118	7126	7135	7143	7152		
52	7160	7168	7177	7185	7193	7202	7210	7218	7226	7235		
53	7243	7251	7259	7267	7275	7284	7292	7300	7308	7316		
54	7324	7332	7340	7348	7356	7364	7372	7380	7388	7396		
55	7404	7412	7419	7427	7435	7443	7451	7459	7466	7474		
56	7482	7490	7497	7505	7513	7520	7528	7536	7543	7551		
57	7559	7566	7574	7582	7589	7597	7604	7612	7619	7627		
58	7634	7642	7649	7657	7664	7672	7679	7686	7694	7701		
59	7709	7716	7723	7731	7738	7745	7752	7760	7767	7774		
60	7782	7789	7796	7803	7810	7818	7825	7832	7839	7846		
61	7853	7860	7868	7875	7882	7889	7896	7903	7910	7917		
62	7924	7931	7938	7945	7952	7959	7966	7973	7980	7987		
63	7993	8000	8007	8014	8021	8028	8035	8041	8048	8055		
64	8062	8069	8075	8082	8089	8096	8102	8109	8116	8122		
65	8129	8136	8142	8149	8156	8162	8169	8176	8182	8189		
66	8195	8202	8209	8215	8222	8228	8235	8241	8248	8254		
67	8261	8267	8274	8280	8287	8293	8299	8306	8312	8319		
68	8325	8331	8338	8344	8351	8357	8363	8370	8376	8382		
69	8388	8395	8401	8407	8414	8420	8426	8432	8439	8445		
70	8451	8457	8463	8470	8476	8482	8488	8494	8500	8506		
No.	0	1	2	3	4	5	6	7	8	9		