

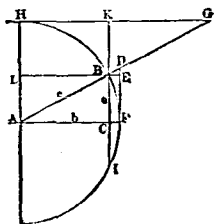
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## 三角函數

以  $A = \text{角 } BAC = \text{弧 } BF$ , 並以半徑  $AF = AB = AH = 1$ ; 則得

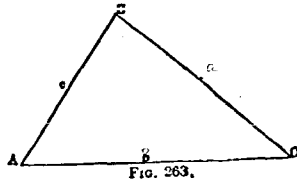
$$\begin{aligned} \sin A &= BC \\ \cos A &= AC \\ \tan A &= DF \\ \cot A &= HG \\ \sec A &= AD \\ \operatorname{cosec} A &= AG \\ \operatorname{versin} A &= CF = BF \\ \operatorname{covers} A &= BK = HL \\ \operatorname{exsec} A &= ?D \\ \operatorname{coexsec} A &= BG \\ \operatorname{chord} A &= BF \\ \operatorname{chord} 2A &= BI = 2BC \end{aligned}$$



在直角三角形  $ABC$ , 以  $AB = c$ ,  $AC = b$ ,  $BC = a$ ; 則得

- |   |   |
|---|---|
| 1. $\sin A = \frac{a}{c} = \cos B$                                      | 11. $a = c \sin A = b \tan A$                 |
| 2. $\cos A = \frac{b}{c} = \sin B$                                      | 12. $b = c \cos A = a \cot A$                 |
| 3. $\tan A = \frac{a}{b} = \cot B$                                      | 13. $c = \frac{a}{\sin A} = \frac{b}{\cos A}$ |
| 4. $\cot A = \frac{b}{a} = \tan B$                                      | 14. $a = c \cos B = b \cot B$                 |
| 5. $\sec A = \frac{c}{b} = \operatorname{cosec} B$                      | 15. $b = c \sin B = a \tan B$                 |
| 6. $\operatorname{cosec} A = \frac{c}{a} = \sec B$                      | 16. $c = \frac{a}{\cos B} = \frac{b}{\sin B}$ |
| 7. $\operatorname{vers} A = \frac{c-b}{c} = \operatorname{covers} B$    | 17. $a = \sqrt{(c+b)(c-b)}$                   |
| 8. $\operatorname{exsec} A = \frac{c-b}{b} = \operatorname{coexsec} B$  | 18. $b = \sqrt{(c+a)(c-a)}$                   |
| 9. $\operatorname{covers} = \frac{c-a}{c} = \operatorname{versin} B$    | 19. $c = \sqrt{a^2 + b^2}$                    |
| 10. $\operatorname{coexsec} A = \frac{c-a}{a} = \operatorname{exsec} B$ | 20. $C = 90^\circ = A + B$                    |
|   | 21. 面積 $= \frac{ab}{2}$                       |

斜三角形之解法



	已知	未知	公 式
22	$A, B, a$	$C, b, c$	$C = 180^\circ - (A + B), \quad b = \frac{a}{\sin A} \cdot \sin B,$ $c = \frac{a}{\sin A} \cdot \sin (A + B)$
23	$A, a, b$	$B, C, c$	$\sin B = \frac{\sin A}{a} b, \quad C = 180^\circ - (A + B),$ $c = \frac{a}{\sin A} \cdot \sin C$
24	$C, a, b$	$\frac{1}{2}(A + B)$	$\frac{1}{2}(A + B) = 90^\circ - \frac{1}{2}C$
25		$\frac{1}{2}(A - B)$	$\tan \frac{1}{2}(A - B) = \frac{a - b}{a + b} \tan \frac{1}{2}(A + B)$
26		$A, B$	$A = \frac{1}{2}(A + B) + \frac{1}{2}(A - B),$ $B = \frac{1}{2}(A + B) - \frac{1}{2}(A - B)$
27		$c$	$c = (a + b) \frac{\cos \frac{1}{2}(A + B)}{\cos \frac{1}{2}(A - B)}$ $= \sqrt{a^2 + b^2 - 2ab \cos C}$
28		面積	$F = \frac{1}{2} ab \sin C$
29	$a, b, c$	$A$	$\text{以 } s = \frac{1}{2}(a + b + c); \quad \sin \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{bc}}$
30			$\cos \frac{1}{2}A = \sqrt{\frac{s(s-a)}{a}}; \quad \tan \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{s(s-a)}}$
31			$\sin A = \frac{2\sqrt{s(s-a)(s-b)(s-c)}}{bc};$ $\cos A = \frac{b^2 + c^2 - a^2}{2bc}$
32		面積	$F = \sqrt{s(s-a)(s-b)(s-c)}$
33	$A, B, C, a$	面積	$F = \frac{a^2 \sin B \cdot \sin C}{2 \sin A}$

## 一般公式

$$34 \quad \sin A = \frac{1}{\operatorname{cosec} A} = \sqrt{1 - \cos^2 A} = \tan A \cos A$$

$$35 \quad \sin A = 2 \sin \frac{1}{2} A \cos \frac{1}{2} A = \operatorname{vers} A \cot \frac{1}{2} A$$

$$36 \quad \sin A = \sqrt{\frac{1}{2} \operatorname{vers} 2A} = \sqrt{\frac{1}{2}(1 - \cos 2A)}$$

$$37 \quad \cos A = \frac{1}{\sec A} = \sqrt{1 - \sin^2 A} = \cot A \sin A$$

$$38 \quad \cos A = 1 - \operatorname{vers} A = 2 \cos^2 \frac{1}{2} A - 1 = 1 - 2 \sin^2 \frac{1}{2} A$$

$$39 \quad \cos A = \cos^2 \frac{1}{2} A - \sin^2 \frac{1}{2} A = \sqrt{\frac{1}{2} + \frac{1}{2} \cos 2A}$$

$$40 \quad \tan A = \frac{1}{\cot A} = \frac{\sin A}{\cos A} = \sqrt{\sec^2 A - 1}$$

$$41 \quad \tan A = \sqrt{\frac{1}{\cos^2 A} - 1} = \frac{\sqrt{1 - \cos^2 A}}{\cos A} = \frac{\sin 2A}{1 + \cos 2A}$$

$$42 \quad \tan A = \frac{1 - \cos 2A}{\sin 2A} = \frac{\operatorname{vers} 2A}{\sin 2A} = \operatorname{exsec} A \cot \frac{1}{2} A$$

$$43 \quad \cot A = \frac{1}{\tan A} = \frac{\cos A}{\sin A} = \sqrt{\operatorname{cosec}^2 A - 1}$$

$$44 \quad \cot A = \frac{\sin 2A}{1 - \cos 2A} = \frac{\sin 2A}{\operatorname{vers} 2A} = \frac{1 + \cos 2A}{\sin 2A}$$

$$45 \quad \cot A = \frac{\tan \frac{1}{2} A}{\operatorname{exsec} A}$$

$$46 \quad \operatorname{vers} A = 1 - \cos A = \sin A \tan \frac{1}{2} A = 2 \sin^2 \frac{1}{2} A$$

$$47 \quad \operatorname{vers} A = \operatorname{exsec} A \cos A$$

$$48 \quad \operatorname{exsec} A = \sec A - 1 = \tan A \tan \frac{1}{2} A = \frac{\operatorname{vers} A}{\cos A}$$

$$49 \quad \sin \frac{1}{2} A = \sqrt{\frac{1 - \cos A}{2}} = \sqrt{\frac{\operatorname{vers} A}{2}}$$

$$50 \quad \sin 2A = 2 \sin A \cos A$$

$$51 \quad \cos \frac{1}{2} A = \sqrt{\frac{1 + \cos A}{2}}$$

$$52 \quad \cos 2A = 2 \cos^2 A - 1 = \cos^2 A - \sin^2 A = 1 - 2 \sin^2 A$$

一般公式(續)	
53	$\tan \frac{1}{2}A = \frac{\tan A}{1 + \sec A} = \operatorname{cosec} A - \cot A = \frac{1 - \cos A}{\sin A} = \sqrt{\frac{1 - \cos A}{1 + \cos A}}$
54	$\tan 2A = \frac{2 \tan A}{1 - \tan^2 A}$
55	$\cot \frac{1}{2}A = \frac{\sin A}{\operatorname{vers} A} = \frac{1 + \cos A}{\sin A} = \frac{1}{\operatorname{cosec} A - \cot A}$
56	$\cot 2A = \frac{\cot^2 A - 1}{2 \cot A}$
57	$\operatorname{vers} \frac{1}{2}A = \frac{\frac{1}{2} \operatorname{vers} A}{1 + \sqrt{1 - \frac{1}{2} \operatorname{vers} A}} = \frac{1 - \cos A}{2 + \sqrt{2(1 + \cos A)}}$
58	$\operatorname{vers} 2A = 2 \sin^2 A$
59	$\operatorname{exsec} \frac{1}{2}A = \frac{1 - \cos A}{(1 + \cos A) + \sqrt{2(1 + \cos A)}}$
60	$\operatorname{exsec} 2A = \frac{\tan^2 A}{1 - \tan^2 A}$
61	$\sin(A \pm B) = \sin A \cos B \pm \sin B \cos A$
62	$\cos(A \pm B) = \cos A \cos B \mp \sin A \sin B$
63	$\sin A + \sin B = 2 \sin \frac{1}{2}(A+B) \cos \frac{1}{2}(A-B)$
64	$\sin A - \sin B = 2 \cos \frac{1}{2}(A+B) \sin \frac{1}{2}(A-B)$
65	$\cos A + \cos B = 2 \cos \frac{1}{2}(A+B) \cos \frac{1}{2}(A-B)$
66	$\cos A - \cos B = 2 \sin \frac{1}{2}(A+B) \sin \frac{1}{2}(A-B)$
67	$\sin^2 A - \sin^2 B = \cos^2 B - \cos^2 A = \sin(A+B) \sin(A-B)$
68	$\cos^2 A - \sin^2 B = \cos(A+B) \cos(A-B)$
69	$\tan A + \tan B = \frac{\sin(A+B)}{\cos A \cos B}$
70	$\tan A - \tan B = \frac{\sin(A-B)}{\cos A \cos B}$

第二表 緯經距表 (\$211)

方位角	1		2		3		4		5	
	緯距	經距	緯距	經距	緯距	經距	緯距	經距	緯距	經距
0°	1.000	0.000	2.000	0.000	3.000	0.000	0.000	0.000	5.000	0.000
0 <sup>1</sup>	1.000	0.004	2.000	0.009	3.000	0.013	0.017	0.117	5.000	0.023
0 <sup>2</sup>	1.000	0.009	2.000	0.017	3.000	0.026	0.035	0.035	5.000	0.044
0 <sup>3</sup>	1.000	0.013	2.000	0.026	3.000	0.039	0.052	0.052	5.000	0.065
1°	1.000	0.017	2.000	0.035	3.000	0.052	0.070	0.070	4.999	0.087
1 <sup>1</sup>	1.000	0.022	2.000	0.044	2.999	0.065	0.087	0.087	4.999	0.109
1 <sup>2</sup>	1.000	0.026	1.999	0.053	2.999	0.079	0.105	0.105	4.938	0.131
1 <sup>3</sup>	1.000	0.031	1.999	0.061	2.999	0.092	0.122	0.122	4.938	0.153
2°	0.999	0.035	1.999	0.070	2.998	0.105	0.140	0.140	4.997	0.174
2 <sup>1</sup>	0.999	0.039	1.998	0.079	2.998	0.118	0.157	0.157	4.936	0.196
2 <sup>2</sup>	0.999	0.044	1.998	0.087	2.997	0.131	0.174	0.174	4.995	0.218
2 <sup>3</sup>	0.999	0.048	1.998	0.096	2.997	0.144	0.192	0.192	4.934	0.240
3°	0.999	0.052	1.997	0.105	2.996	0.157	0.210	0.209	4.993	0.262
3 <sup>1</sup>	0.998	0.057	1.997	0.113	2.995	0.170	0.227	0.227	4.942	0.283
3 <sup>2</sup>	0.998	0.061	1.996	0.122	2.994	0.183	0.244	0.244	4.991	0.305
3 <sup>3</sup>	0.998	0.065	1.996	0.131	2.994	0.196	0.262	0.262	4.939	0.327
4°	0.998	0.070	1.995	0.140	2.993	0.209	0.279	0.279	4.988	0.349
4 <sup>1</sup>	0.997	0.074	1.995	0.148	2.992	0.222	0.296	0.296	4.988	0.371
4 <sup>2</sup>	0.997	0.078	1.994	0.157	2.991	0.235	0.314	0.314	4.985	0.392
4 <sup>3</sup>	0.997	0.083	1.993	0.166	2.990	0.248	0.331	0.331	4.983	0.414
5°	0.996	0.087	1.992	0.174	2.989	0.261	0.349	0.349	4.981	0.436
5 <sup>1</sup>	0.996	0.092	1.992	0.183	2.987	0.275	0.366	0.366	4.979	0.458
5 <sup>2</sup>	0.995	0.096	1.991	0.192	2.986	0.288	0.383	0.383	4.977	0.479
5 <sup>3</sup>	0.995	0.100	1.990	0.200	2.985	0.301	0.401	0.401	4.975	0.501
6°	0.995	0.105	1.989	0.209	2.984	0.314	0.418	0.418	4.973	0.523
6 <sup>1</sup>	0.994	0.109	1.988	0.218	2.982	0.327	0.435	0.435	4.970	0.544
6 <sup>2</sup>	0.994	0.113	1.987	0.226	2.981	0.340	0.453	0.453	4.968	0.566
6 <sup>3</sup>	0.993	0.118	1.986	0.235	2.979	0.353	0.470	0.470	4.965	0.588
7°	0.993	0.122	1.985	0.243	2.978	0.366	0.487	0.487	4.963	0.609
7 <sup>1</sup>	0.992	0.126	1.984	0.252	2.976	0.379	0.505	0.505	4.960	0.631
7 <sup>2</sup>	0.991	0.131	1.983	0.261	2.974	0.392	0.522	0.522	4.957	0.653
7 <sup>3</sup>	0.991	0.135	1.982	0.270	2.973	0.405	0.539	0.539	4.954	0.674
8°	0.990	0.139	1.981	0.278	2.971	0.418	0.557	0.557	4.951	0.696
8 <sup>1</sup>	0.990	0.143	1.979	0.287	2.969	0.430	0.574	0.574	4.948	0.717
8 <sup>2</sup>	0.989	0.148	1.978	0.296	2.967	0.443	0.591	0.591	4.945	0.739
8 <sup>3</sup>	0.988	0.152	1.977	0.304	2.965	0.456	0.608	0.608	4.942	0.761
9°	0.988	0.156	1.975	0.313	2.963	0.469	0.626	0.626	4.938	0.782
9 <sup>1</sup>	0.987	0.161	1.974	0.321	2.961	0.482	0.643	0.643	4.935	0.804
9 <sup>2</sup>	0.986	0.165	1.973	0.330	2.959	0.495	0.660	0.660	4.931	0.825
9 <sup>3</sup>	0.986	0.169	1.971	0.339	2.957	0.508	0.677	0.677	4.928	0.847
10°	0.985	0.174	1.970	0.347	2.954	0.521	0.695	0.695	4.924	0.868
10 <sup>1</sup>	0.984	0.178	1.968	0.356	2.952	0.534	0.712	0.712	4.920	0.890
10 <sup>2</sup>	0.983	0.182	1.967	0.364	2.950	0.547	0.729	0.729	4.916	0.911
10 <sup>3</sup>	0.982	0.187	1.965	0.373	2.947	0.560	0.746	0.746	4.912	0.933
11°	0.982	0.191	1.963	0.382	2.945	0.572	0.763	0.763	4.908	0.954
11 <sup>1</sup>	0.981	0.195	1.962	0.390	2.942	0.585	0.780	0.780	4.904	0.975
11 <sup>2</sup>	0.980	0.199	1.960	0.399	2.940	0.598	0.797	0.797	4.900	0.997
11 <sup>3</sup>	0.979	0.204	1.958	0.407	2.937	0.611	0.815	0.815	4.895	1.018
12°	0.978	0.208	1.956	0.416	2.934	0.624	0.832	0.832	4.891	1.040
12 <sup>1</sup>	0.977	0.212	1.954	0.424	2.932	0.637	0.849	0.849	4.886	1.061
12 <sup>2</sup>	0.976	0.216	1.953	0.433	2.929	0.649	0.866	0.866	4.881	1.082
12 <sup>3</sup>	0.975	0.221	1.951	0.441	2.926	0.662	0.883	0.883	4.877	1.103
13°	0.974	0.225	1.949	0.450	2.923	0.675	0.900	0.900	4.872	1.125
13 <sup>1</sup>	0.973	0.229	1.947	0.458	2.920	0.688	0.917	0.917	4.867	1.146
13 <sup>2</sup>	0.972	0.233	1.945	0.467	2.917	0.700	0.934	0.934	4.862	1.167
13 <sup>3</sup>	0.971	0.238	1.943	0.475	2.914	0.713	0.951	0.951	4.857	1.188
14°	0.970	0.242	1.941	0.483	2.911	0.726	0.968	0.968	4.851	1.210
14 <sup>1</sup>	0.969	0.246	1.938	0.492	2.908	0.738	0.985	0.985	4.846	1.231
14 <sup>2</sup>	0.968	0.250	1.936	0.501	2.904	0.751	1.002	1.002	4.841	1.252
14 <sup>3</sup>	0.967	0.255	1.934	0.509	2.901	0.764	1.018	1.018	4.835	1.273
15°	0.966	0.259	1.932	0.518	2.898	0.776	1.035	1.035	4.830	1.294
方位角	緯距	經距	緯距	經距	緯距	經距	緯距	經距	緯距	經距
1	2		3		4		5			

第二表 緯經距表 (§211)

6		7		8		9		方位角
緯距	經距	緯距	經距	緯距	經距	緯距	經距	
6.000	0.000	7.000	0.000	8.000	0.000	9.000	0.000	00°
6.000	0.026	7.000	0.031	8.000	0.035	9.000	0.039	85°
6.000	0.052	7.000	0.061	8.000	0.070	9.000	0.079	89°
6.999	0.079	6.999	0.092	7.999	0.105	8.999	0.118	83°
6.999	0.105	6.999	0.122	7.999	0.149	8.999	0.157	88°
6.999	0.131	6.998	0.153	7.998	0.176	8.998	0.195	86°
6.998	0.157	6.998	0.183	7.997	0.209	8.998	0.235	84°
6.997	0.183	6.997	0.214	7.996	0.244	8.995	0.275	85°
6.996	0.209	6.996	0.244	7.995	0.279	8.995	0.314	88°
6.995	0.236	6.996	0.275	7.994	0.314	8.993	0.353	87°
6.994	0.262	6.993	0.305	7.993	0.349	8.991	0.393	87°
6.993	0.288	6.992	0.336	7.991	0.384	8.990	0.432	87°
6.992	0.314	6.990	0.366	7.989	0.419	8.988	0.471	87°
6.990	0.340	6.989	0.397	7.987	0.454	8.986	0.510	86°
6.989	0.366	6.987	0.427	7.985	0.488	8.983	0.549	84°
6.987	0.392	6.985	0.458	7.983	0.523	8.981	0.589	85°
6.985	0.419	6.983	0.488	7.981	0.558	8.978	0.628	86°
6.984	0.445	6.981	0.519	7.978	0.593	8.975	0.667	85°
6.982	0.471	6.978	0.549	7.975	0.628	8.972	0.706	85°
6.979	0.497	6.976	0.580	7.973	0.662	8.969	0.745	85°
6.977	0.523	6.973	0.610	7.970	0.697	8.966	0.784	85°
6.975	0.549	6.971	0.641	7.968	0.732	8.962	0.824	84°
6.973	0.575	6.968	0.671	7.963	0.767	8.959	0.863	84°
6.970	0.601	6.965	0.701	7.960	0.802	8.955	0.902	84°
6.967	0.627	6.962	0.732	7.956	0.836	8.951	0.941	84°
6.964	0.653	6.958	0.762	7.952	0.871	8.947	0.980	83°
6.961	0.679	6.955	0.792	7.949	0.906	8.942	1.019	83°
6.958	0.705	6.951	0.823	7.945	0.940	8.938	1.058	83°
6.955	0.731	6.948	0.853	7.940	0.975	8.933	1.097	83°
6.952	0.757	6.944	0.883	7.936	1.010	8.928	1.136	83°
6.949	0.783	6.940	0.914	7.932	1.044	8.923	1.175	82°
6.945	0.809	6.936	0.944	7.927	1.079	8.918	1.214	82°
6.942	0.835	6.932	0.974	7.923	1.113	8.912	1.253	82°
6.938	0.861	6.928	1.004	7.917	1.148	8.907	1.291	81°
6.934	0.887	6.923	1.035	7.912	1.182	8.901	1.330	81°
6.930	0.913	6.919	1.065	7.907	1.217	8.895	1.369	81°
6.926	0.939	6.914	1.095	7.902	1.251	8.889	1.408	81°
6.922	0.964	6.909	1.125	7.896	1.286	8.883	1.447	80°
6.918	0.990	6.904	1.155	7.890	1.320	8.877	1.485	80°
6.915	1.016	6.899	1.185	7.884	1.355	8.870	1.524	80°
6.910	1.042	6.894	1.216	7.878	1.389	8.863	1.563	80°
6.904	1.068	6.888	1.246	7.872	1.424	8.856	1.601	79°
6.900	1.093	6.883	1.276	7.866	1.458	8.849	1.640	79°
6.895	1.119	6.877	1.306	7.860	1.492	8.842	1.679	79°
6.890	1.145	6.871	1.336	7.855	1.526	8.835	1.717	79°
6.885	1.171	6.866	1.366	7.846	1.561	8.827	1.756	78°
6.880	1.196	6.859	1.396	7.839	1.595	8.819	1.794	78°
6.874	1.222	6.853	1.425	7.832	1.629	8.811	1.833	78°
6.869	1.247	6.847	1.455	7.825	1.663	8.803	1.871	78°
6.863	1.273	6.841	1.485	7.818	1.697	8.795	1.910	77°
6.858	1.299	6.834	1.515	7.810	1.732	8.787	1.948	77°
6.852	1.324	6.827	1.545	7.803	1.766	8.778	1.985	77°
6.845	1.350	6.821	1.575	7.795	1.800	8.769	2.025	77°
6.840	1.376	6.814	1.604	7.787	1.834	8.760	2.063	76°
6.834	1.401	6.807	1.634	7.779	1.868	8.751	2.101	76°
6.828	1.426	6.799	1.664	7.771	1.902	8.742	2.139	76°
6.822	1.453	6.792	1.693	7.762	1.935	8.733	2.177	76°
6.815	1.477	6.785	1.723	7.754	1.969	8.723	2.215	75°
6.809	1.502	6.777	1.753	7.745	2.003	8.713	2.253	75°
6.802	1.528	6.769	1.783	7.733	2.037	8.703	2.291	75°
6.795	1.553	6.761	1.812	7.727	2.071	8.693	2.329	75°
緯距	緯距	緯距	緯距	緯距	緯距	緯距	緯距	方位角
6	7	8	9	6	7	8	9	

第二表 緯經距表 (§211)

卷

方位角	1		2		3		4		5	
	緯距	經距	緯距	經距	緯距	經距	緯距	經距	緯距	經距
15°	0.966	0.259	1.932	0.513	2.896	0.776	3.864	1.035	4.830	1.294
15 1	0.965	0.263	1.930	0.526	2.894	0.789	3.859	1.032	4.824	1.316
15 1	0.964	0.267	1.927	0.534	2.891	0.802	3.855	1.069	4.818	1.336
15 1	0.962	0.271	1.925	0.543	2.887	0.814	3.850	1.056	4.812	1.357
16°	0.961	0.276	1.923	0.551	2.884	0.827	3.845	1.103	4.806	1.373
16 1	0.960	0.280	1.923	0.560	2.880	0.839	3.840	1.119	4.800	1.399
16 1	0.959	0.284	1.918	0.563	2.876	0.852	3.835	1.156	4.794	1.426
16 1	0.958	0.283	1.915	0.576	2.873	0.865	3.830	1.153	4.785	1.441
17°	0.956	0.292	1.913	0.555	2.869	0.877	3.825	1.169	4.782	1.432
17 1	0.955	0.297	1.910	0.593	2.865	0.890	3.820	1.186	4.775	1.483
17 1	0.954	0.301	1.907	0.601	2.861	0.902	3.815	1.203	4.769	1.504
17 1	0.952	0.305	1.905	0.610	2.857	0.915	3.810	1.223	4.762	1.524
18°	0.951	0.309	1.902	0.613	2.853	0.927	3.804	1.236	4.755	1.545
18 1	0.950	0.313	1.899	0.626	2.849	0.939	3.799	1.253	4.748	1.566
18 1	0.948	0.317	1.897	0.635	2.845	0.952	3.793	1.269	4.742	1.587
18 1	0.947	0.321	1.894	0.643	2.841	0.964	3.788	1.285	4.735	1.607
19°	0.946	0.326	1.891	0.651	2.837	0.977	3.782	1.302	4.728	1.626
19 1	0.944	0.330	1.888	0.6 9	2.832	0.989	3.776	1.319	4.720	1.644
19 1	0.943	0.334	1.885	0.668	2.828	1.001	3.771	1.335	4.713	1.669
19 1	0.941	0.338	1.882	0.676	2.824	1.014	3.765	1.352	4.706	1.690
20°	0.940	0.342	1.879	0.684	2.819	1.026	3.759	1.368	4.698	1.710
20 1	0.938	0.346	1.876	0.692	2.815	1.038	3.753	1.384	4.691	1.731
20 1	0.937	0.350	1.873	0.700	2.810	1.051	3.747	1.401	4.683	1.751
20 1	0.935	0.354	1.870	0.709	2.805	1.063	3.741	1.417	4.676	1.771
21°	0.934	0.358	1.867	0.717	2.801	1.075	3.734	1.433	4.668	1.792
21 1	0.932	0.362	1.864	0.725	2.796	1.087	3.728	1.450	4.660	1.812
21 1	0.930	0.367	1.861	0.733	2.791	1.100	3.722	1.466	4.652	1.833
21 1	0.929	0.371	1.858	0.741	2.786	1.112	3.715	1.482	4.644	1.853
22°	0.927	0.375	1.854	0.749	2.782	1.124	3.709	1.498	4.636	1.873
22 1	0.926	0.379	1.851	0.757	2.777	1.136	3.702	1.515	4.628	1.893
22 1	0.924	0.383	1.848	0.765	2.772	1.148	3.696	1.531	4.619	1.913
22 1	0.922	0.387	1.844	0.773	2.767	1.160	3.689	1.547	4.611	1.934
23°	0.921	0.391	1.841	0.781	2.762	1.172	3.682	1.563	4.603	1.954
23 1	0.919	0.395	1.838	0.789	2.756	1.184	3.675	1.579	4.594	1.974
23 1	0.917	0.399	1.834	0.797	2.751	1.196	3.668	1.595	4.585	1.994
23 1	0.915	0.402	1.831	0.805	2.746	1.208	3.661	1.611	4.577	2.014
24°	0.914	0.407	1.827	0.813	2.741	1.220	3.654	1.627	4.568	2.034
24 1	0.912	0.411	1.824	0.821	2.735	1.232	3.647	1.643	4.559	2.054
24 1	0.910	0.415	1.820	0.829	2.730	1.244	3.640	1.659	4.550	2.073
24 1	0.908	0.419	1.816	0.837	2.724	1.256	3.633	1.675	4.541	2.093
25°	0.906	0.423	1.813	0.845	2.719	1.268	3.625	1.690	4.532	2.113
25 1	0.904	0.427	1.809	0.853	2.713	1.280	3.618	1.706	4.522	2.133
25 1	0.903	0.431	1.805	0.861	2.708	1.292	3.610	1.722	4.513	2.153
25 1	0.901	0.434	1.800	0.869	2.702	1.303	3.603	1.738	4.503	2.172
26°	0.899	0.438	1.798	0.877	2.696	1.315	3.595	1.753	4.494	2.192
26 1	0.897	0.442	1.794	0.885	2.691	1.327	3.587	1.769	4.484	2.211
26 1	0.895	0.446	1.790	0.892	2.685	1.339	3.580	1.785	4.475	2.231
26 1	0.893	0.450	1.786	0.900	2.679	1.350	3.572	1.800	4.465	2.250
27°	0.891	0.454	1.782	0.908	2.673	1.362	3.564	1.816	4.455	2.270
27 1	0.889	0.458	1.778	0.916	2.667	1.374	3.556	1.831	4.445	2.289
27 1	0.887	0.462	1.774	0.923	2.661	1.385	3.548	1.847	4.435	2.309
27 1	0.885	0.466	1.770	0.931	2.655	1.397	3.540	1.862	4.425	2.328
28°	0.883	0.469	1.766	0.939	2.649	1.408	3.532	1.878	4.415	2.347
28 1	0.881	0.473	1.762	0.947	2.643	1.420	3.524	1.893	4.404	2.367
28 1	0.879	0.477	1.758	0.954	2.636	1.431	3.515	1.909	4.394	2.386
28 1	0.877	0.481	1.753	0.962	2.630	1.443	3.507	1.924	4.384	2.405
29°	0.875	0.485	1.749	0.970	2.624	1.454	3.498	1.939	4.373	2.424
29 1	0.872	0.489	1.745	0.977	2.617	1.466	3.490	1.954	4.362	2.443
29 1	0.870	0.492	1.741	0.985	2.611	1.477	3.481	1.970	4.352	2.462
29 1	0.868	0.496	1.736	0.992	2.605	1.489	3.473	1.985	4.341	2.481
30°	0.866	0.500	1.732	1.000	2.598	1.500	3.464	2.000	4.330	2.500
方位角	緯距	經距	緯距	經距	緯距	經距	緯距	經距	緯距	經距
1	2		3		4		5			



第二表 緯經距表 (\$211)

6		7		8		9		方 位 角
緯 距	經 距	緯 距	經 距	緯 距	經 距	緯 距	經 距	
6.796	1.553	6.761	1.812	7.727	2.071	8.693	2.329	75°
6.789	1.578	6.754	1.841	7.718	2.104	8.683	2.367	74°
6.782	1.603	6.745	1.871	7.709	2.138	8.673	2.405	74°
6.775	1.629	6.737	1.900	7.700	2.172	8.662	2.443	74°
6.768	1.654	6.729	1.929	7.690	2.205	8.651	2.481	74°
6.760	1.679	6.720	1.959	7.680	2.239	8.640	2.518	73°
6.753	1.704	6.712	1.988	7.671	2.272	8.629	2.556	73°
6.745	1.729	6.703	2.017	7.661	2.306	8.618	2.594	73°
6.738	1.754	6.694	2.047	7.650	2.339	8.607	2.631	73°
6.730	1.779	6.685	2.076	7.640	2.372	8.595	2.669	72°
6.722	1.804	6.676	2.105	7.630	2.406	8.583	2.706	72°
6.714	1.829	6.667	2.134	7.619	2.439	8.572	2.744	72°
6.706	1.854	6.657	2.163	7.608	2.472	8.560	2.781	72°
6.698	1.879	6.648	2.192	7.598	2.505	8.547	2.818	71°
6.690	1.904	6.638	2.221	7.587	2.538	8.535	2.856	71°
6.682	1.929	6.629	2.250	7.576	2.572	8.522	2.893	71°
6.673	1.953	6.619	2.279	7.564	2.605	8.510	2.930	71°
6.666	1.978	6.609	2.308	7.553	2.638	8.497	2.967	70°
6.656	2.003	6.598	2.337	7.541	2.670	8.484	3.004	70°
6.647	2.028	6.588	2.366	7.529	2.703	8.471	3.041	70°
6.638	2.052	6.578	2.394	7.518	2.736	8.457	3.078	70°
6.629	2.077	6.567	2.423	7.506	2.769	8.444	3.115	69°
6.620	2.101	6.557	2.451	7.493	2.802	8.430	3.152	69°
6.611	2.126	6.546	2.480	7.481	2.834	8.416	3.189	69°
6.601	2.150	6.535	2.509	7.469	2.867	8.402	3.225	68°
6.592	2.175	6.524	2.537	7.456	2.900	8.388	3.262	68°
6.582	2.199	6.513	2.566	7.443	2.932	8.374	3.299	68°
6.573	2.223	6.502	2.594	7.430	2.964	8.359	3.335	68°
6.563	2.248	6.490	2.622	7.417	2.997	8.345	3.371	68°
6.553	2.272	6.479	2.651	7.404	3.029	8.330	3.408	67°
6.543	2.296	6.467	2.679	7.391	3.061	8.316	3.444	67°
6.533	2.320	6.456	2.707	7.378	3.094	8.300	3.480	67°
6.523	2.344	6.444	2.735	7.364	3.126	8.285	3.517	67°
6.513	2.368	6.432	2.763	7.350	3.158	8.269	3.553	66°
6.502	2.392	6.419	2.791	7.336	3.190	8.254	3.589	66°
6.492	2.416	6.407	2.819	7.322	3.222	8.238	3.625	66°
6.481	2.440	6.395	2.847	7.308	3.254	8.222	3.661	65°
6.471	2.464	6.382	2.875	7.294	3.286	8.206	3.696	65°
6.460	2.488	6.370	2.903	7.280	3.318	8.190	3.732	65°
6.449	2.512	6.357	2.931	7.265	3.349	8.173	3.768	65°
6.438	2.536	6.344	2.958	7.250	3.381	8.157	3.804	65°
6.427	2.559	6.331	2.986	7.236	3.413	8.140	3.839	64°
6.416	2.583	6.318	3.014	7.221	3.444	8.123	3.875	64°
6.404	2.607	6.305	3.041	7.205	3.476	8.106	3.910	64°
6.393	2.630	6.292	3.069	7.190	3.507	8.089	3.945	64°
6.381	2.654	6.278	3.096	7.175	3.538	8.072	3.981	63°
6.370	2.677	6.265	3.123	7.160	3.570	8.054	4.016	63°
6.358	2.701	6.251	3.151	7.144	3.601	8.037	4.051	63°
6.346	2.724	6.237	3.178	7.128	3.632	8.019	4.086	63°
6.334	2.747	6.223	3.205	7.112	3.663	8.001	4.121	62°
6.322	2.770	6.209	3.232	7.095	3.694	7.983	4.156	62°
6.310	2.794	6.195	3.259	7.080	3.725	7.965	4.190	62°
6.298	2.817	6.181	3.286	7.064	3.756	7.947	4.225	62°
6.286	2.840	6.166	3.313	7.047	3.787	7.929	4.260	61°
6.273	2.863	6.152	3.340	7.031	3.817	7.909	4.294	61°
6.260	2.885	6.137	3.367	7.014	3.848	7.891	4.329	61°
6.248	2.909	6.122	3.394	6.997	3.878	7.872	4.363	61°
6.235	2.932	6.107	3.420	6.980	3.909	7.852	4.398	60°
6.222	2.955	6.093	3.447	6.963	3.939	7.833	4.432	60°
6.209	2.977	6.077	3.474	6.946	3.970	7.814	4.465	60°
6.196	3.000	6.062	3.500	6.928	4.000	7.794	4.500	60°
經 距	緯 距	經 距	緯 距	經 距	緯 距	經 距	緯 距	方 位 角
6		7		8		9		

10 第二表 緯經距表 (§211)

方 角	1		2		3		4		5	
	緯距	經距	緯距	經距	緯距	經距	緯距	經距	緯距	經距
30°	0.666	0.600	1.732	1.095	2.523	1.500	3.461	2.000	4.330	2.660
30½	0.664	0.604	1.723	1.098	2.522	1.511	3.455	2.016	4.319	2.619
31°	0.662	0.608	1.723	1.016	2.526	1.523	3.447	2.030	4.308	2.633
36°	0.659	0.611	1.719	1.033	2.578	1.534	3.438	2.045	4.297	2.656
31½	0.657	0.616	1.714	1.020	2.572	1.516	3.429	2.060	4.286	2.676
31½	0.656	0.619	1.710	1.035	2.565	1.556	3.420	2.076	4.276	2.694
31½	0.653	0.622	1.705	1.048	2.568	1.607	3.411	2.090	4.263	2.612
31½	0.650	0.626	1.701	1.062	2.551	1.679	3.401	2.105	4.252	2.631
32°	0.648	0.630	1.696	1.060	2.544	1.690	3.392	2.120	4.240	2.650
32½	0.646	0.634	1.691	1.067	2.537	1.691	3.383	2.134	4.229	2.668
32½	0.643	0.637	1.687	1.075	2.530	1.612	3.374	2.149	4.217	2.633
32½	0.641	0.641	1.682	1.082	2.523	1.623	3.364	2.164	4.206	2.705
33°	0.639	0.645	1.677	1.089	2.516	1.634	3.355	2.179	4.193	2.723
33½	0.636	0.648	1.673	1.077	2.509	1.645	3.345	2.193	4.181	2.741
33½	0.634	0.652	1.668	1.094	2.502	1.656	3.336	2.205	4.169	2.760
33½	0.631	0.656	1.663	1.111	2.494	1.667	3.326	2.222	4.157	2.778
34°	0.629	0.659	1.658	1.119	2.487	1.678	3.316	2.237	4.145	2.796
34½	0.627	0.663	1.653	1.126	2.480	1.689	3.306	2.251	4.133	2.814
34½	0.624	0.666	1.648	1.133	2.472	1.699	3.297	2.266	4.121	2.832
34½	0.622	0.670	1.643	1.140	2.465	1.710	3.287	2.280	4.109	2.850
35°	0.619	0.674	1.638	1.147	2.457	1.721	3.277	2.294	4.096	2.868
35½	0.617	0.677	1.633	1.154	2.450	1.731	3.267	2.309	4.083	2.886
35½	0.614	0.681	1.628	1.161	2.443	1.742	3.257	2.323	4.071	2.904
35½	0.613	0.684	1.623	1.168	2.435	1.753	3.246	2.337	4.059	2.921
36°	0.609	0.688	1.618	1.176	2.427	1.763	3.236	2.351	4.045	2.939
36½	0.606	0.691	1.613	1.183	2.419	1.774	3.226	2.365	4.032	2.957
36½	0.604	0.695	1.608	1.190	2.412	1.784	3.215	2.379	4.019	2.974
36½	0.601	0.698	1.603	1.197	2.404	1.795	3.205	2.393	4.006	2.992
37°	0.599	0.602	1.597	1.204	2.396	1.805	3.195	2.407	3.993	3.009
37½	0.596	0.605	1.592	1.211	2.389	1.816	3.184	2.421	3.980	3.026
37½	0.593	0.609	1.587	1.218	2.380	1.826	3.173	2.435	3.967	3.044
37½	0.591	0.612	1.581	1.224	2.372	1.837	3.163	2.449	3.953	3.061
38°	0.588	0.615	1.576	1.231	2.364	1.847	3.152	2.463	3.940	3.078
38½	0.585	0.619	1.571	1.238	2.355	1.857	3.141	2.476	3.927	3.095
38½	0.583	0.623	1.566	1.245	2.348	1.868	3.130	2.490	3.913	3.113
38½	0.580	0.626	1.560	1.252	2.340	1.878	3.120	2.504	3.899	3.130
39°	0.577	0.629	1.554	1.259	2.331	1.888	3.109	2.517	3.886	3.147
39½	0.574	0.633	1.549	1.265	2.323	1.898	3.098	2.531	3.872	3.164
39½	0.572	0.636	1.543	1.272	2.316	1.908	3.086	2.544	3.858	3.180
39½	0.569	0.639	1.538	1.279	2.307	1.918	3.076	2.558	3.844	3.197
40°	0.566	0.643	1.532	1.286	2.299	1.928	3.064	2.571	3.830	3.214
40½	0.563	0.646	1.526	1.292	2.290	1.938	3.053	2.584	3.816	3.231
40½	0.560	0.649	1.521	1.299	2.281	1.948	3.042	2.597	3.802	3.247
40½	0.558	0.653	1.515	1.306	2.273	1.958	3.030	2.611	3.785	3.264
41°	0.555	0.656	1.509	1.312	2.264	1.968	3.019	2.624	3.774	3.280
41½	0.552	0.659	1.504	1.319	2.256	1.978	3.007	2.637	3.769	3.297
41½	0.549	0.663	1.498	1.325	2.247	1.988	2.996	2.650	3.745	3.313
41½	0.546	0.666	1.492	1.332	2.239	1.998	2.984	2.664	3.730	3.329
41½	0.546	0.668	1.486	1.338	2.230	2.007	2.973	2.677	3.716	3.346
42°	0.543	0.672	1.480	1.345	2.221	2.017	2.961	2.689	3.701	3.362
42½	0.540	0.675	1.475	1.351	2.212	2.027	2.949	2.702	3.686	3.378
42½	0.534	0.679	1.469	1.358	2.203	2.036	2.937	2.715	3.672	3.394
43°	0.531	0.682	1.463	1.364	2.194	2.046	2.926	2.728	3.657	3.410
43½	0.528	0.685	1.457	1.370	2.185	2.056	2.915	2.741	3.643	3.426
43½	0.526	0.688	1.451	1.377	2.176	2.065	2.903	2.753	3.627	3.442
43½	0.522	0.692	1.445	1.383	2.167	2.075	2.892	2.766	3.612	3.458
44°	0.519	0.695	1.439	1.389	2.158	2.084	2.881	2.777	3.597	3.473
44½	0.516	0.698	1.433	1.396	2.149	2.093	2.870	2.791	3.582	3.488
44½	0.513	0.701	1.427	1.402	2.140	2.103	2.858	2.804	3.566	3.503
44½	0.510	0.704	1.420	1.408	2.131	2.112	2.846	2.816	3.551	3.518
45°	0.707	0.707	1.414	1.414	2.121	2.121	2.834	2.828	3.536	3.536
方 位 角	經距	緯距	經距	緯距	經距	緯距	經距	緯距	經距	緯距
	1		2		3		4		5	

第二表 緯經距表 (§211) 11

6		7		8		9		方 位 角
緯 距	經 距	緯 距	經 距	緯 距	經 距	緯 距	經 距	
6.196	3.000	6.092	3.600	6.925	4.000	7.794	4.600	60
6.183	3.023	6.047	3.525	6.911	4.030	7.776	4.534	61
6.170	3.045	6.031	3.553	6.825	4.060	7.765	4.568	62
6.156	3.063	6.016	3.679	6.876	4.090	7.755	4.602	63
6.143	3.090	6.000	3.605	6.857	4.120	7.745	4.635	64
6.129	3.113	5.984	3.631	6.839	4.150	7.734	4.669	65
6.116	3.135	5.968	3.657	6.821	4.180	7.724	4.702	66
6.102	3.157	5.952	3.633	6.803	4.210	7.713	4.736	67
6.089	3.180	5.926	3.709	6.784	4.239	7.702	4.769	68
6.074	3.202	5.920	3.735	6.766	4.269	7.692	4.802	69
6.060	3.224	5.904	3.761	6.747	4.298	7.681	4.836	70
6.046	3.246	5.887	3.787	6.728	4.328	7.669	4.869	71
6.032	3.268	5.871	3.812	6.709	4.357	7.658	4.902	72
6.018	3.290	5.854	3.838	6.690	4.386	7.647	4.935	73
6.003	3.312	5.837	3.864	6.671	4.416	7.635	4.967	74
4.989	3.333	5.820	3.889	6.652	4.445	7.623	5.000	75
4.974	3.355	5.803	3.914	6.632	4.474	7.611	5.033	76
4.960	3.377	5.786	3.939	6.613	4.502	7.599	5.065	77
4.945	3.398	5.769	3.965	6.593	4.531	7.587	5.098	78
4.930	3.420	5.752	3.990	6.573	4.560	7.575	5.130	79
4.915	3.441	5.734	4.015	6.553	4.589	7.562	5.162	80
4.900	3.463	5.716	4.040	6.533	4.617	7.549	5.194	81
4.885	3.484	5.699	4.065	6.512	4.646	7.537	5.225	82
4.869	3.5	5.681	4.090	6.491	4.674	7.524	5.255	83
4.854	3.521	5.663	4.115	6.472	4.702	7.511	5.289	84
4.839	3.543	5.645	4.139	6.452	4.730	7.498	5.322	85
4.823	3.565	5.627	4.164	6.431	4.759	7.485	5.353	86
4.808	3.586	5.609	4.188	6.410	4.787	7.471	5.385	87
4.792	3.611	5.590	4.213	6.389	4.815	7.458	5.416	88
4.776	3.632	5.572	4.237	6.368	4.842	7.444	5.445	89
4.760	3.653	5.554	4.261	6.347	4.870	7.430	5.474	90
4.744	3.673	5.535	4.285	6.326	4.898	7.416	5.502	91
4.728	3.694	5.516	4.310	6.304	4.925	7.402	5.531	92
4.712	3.716	5.497	4.334	6.283	4.953	7.388	5.562	93
4.696	3.735	5.478	4.358	6.261	4.980	7.374	5.593	94
4.679	3.755	5.459	4.381	6.239	5.007	7.359	5.623	95
4.663	3.776	5.440	4.405	6.217	5.035	7.345	5.653	96
4.646	3.796	5.421	4.429	6.195	5.062	7.330	5.682	97
4.630	3.816	5.401	4.453	6.173	5.089	7.315	5.712	98
4.613	3.837	5.382	4.477	6.151	5.116	7.299	5.741	99
4.596	3.857	5.362	4.500	6.128	5.142	7.284	5.769	100
4.579	3.877	5.343	4.523	6.106	5.169	7.269	5.797	101
4.562	3.897	5.323	4.545	6.083	5.195	7.253	5.825	102
4.545	3.917	5.303	4.568	6.061	5.222	7.237	5.852	103
4.528	3.936	5.283	4.592	6.038	5.248	7.221	5.879	104
4.511	3.956	5.263	4.615	6.015	5.275	7.205	5.904	105
4.494	3.976	5.242	4.637	5.992	5.301	7.189	5.929	106
4.476	3.995	5.222	4.661	5.968	5.327	7.173	5.953	107
4.459	4.015	5.202	4.684	5.945	5.353	7.157	5.977	108
4.441	4.034	5.182	4.707	5.922	5.379	7.141	6.001	109
4.424	4.054	5.161	4.729	5.898	5.405	7.124	6.024	110
4.406	4.073	5.140	4.752	5.875	5.430	7.107	6.047	111
4.388	4.092	5.119	4.774	5.851	5.455	7.090	6.070	112
4.370	4.111	5.099	4.796	5.827	5.481	7.073	6.092	113
4.352	4.130	5.078	4.818	5.803	5.507	7.056	6.115	114
4.334	4.149	5.057	4.841	5.779	5.532	7.039	6.137	115
4.316	4.168	5.045	4.863	5.755	5.557	7.021	6.159	116
4.298	4.187	5.014	4.885	5.730	5.582	7.004	6.180	117
4.280	4.206	4.993	4.908	5.706	5.607	6.987	6.201	118
4.261	4.224	4.971	4.929	5.681	5.632	6.970	6.221	119
4.243	4.243	4.950	4.950	5.657	5.657	6.953	6.241	120
經 距	緯 距	經 距	緯 距	經 距	緯 距	經 距	緯 距	方 位 角
6		7		8		9		

Minutes.	0°		1°		2°		3°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0...	100.00	0.00	99.97	1.74	99.88	3.49	99.73	5.23
2...	100.00	0.06	99.97	1.80	99.87	3.55	99.72	5.28
4...	100.00	0.12	99.97	1.86	99.87	3.60	99.71	5.34
6...	100.00	0.17	99.96	1.92	99.87	3.66	99.71	5.40
8...	100.00	0.23	99.96	1.98	99.86	3.72	99.70	5.46
10...	100.00	0.29	99.96	2.04	99.86	3.78	99.69	5.52
12...	100.00	0.35	99.96	2.09	99.85	3.84	99.69	5.57
14...	100.00	0.41	99.95	2.15	99.85	3.90	99.68	5.63
16...	100.00	0.47	99.95	2.21	99.84	3.95	99.68	5.69
18...	100.00	0.52	99.95	2.27	99.84	4.01	99.67	5.75
20...	100.00	0.58	99.95	2.33	99.83	4.07	99.66	5.80
22...	100.00	0.64	99.94	2.38	99.83	4.13	99.66	5.86
24...	100.00	0.70	99.94	2.44	99.82	4.18	99.65	5.92
26...	99.99	0.76	99.94	2.50	99.82	4.24	99.64	5.98
28...	99.99	0.81	99.93	2.56	99.81	4.30	99.63	6.04
30...	99.99	0.87	99.93	2.62	99.81	4.36	99.63	6.09
32...	99.99	0.93	99.93	2.67	99.80	4.42	99.62	6.15
34...	99.99	0.99	99.93	2.73	99.80	4.48	99.62	6.21
36...	99.99	1.05	99.92	2.79	99.79	4.53	99.61	6.27
38...	99.99	1.11	99.92	2.85	99.79	4.59	99.60	6.33
40...	99.99	1.16	99.92	2.91	99.78	4.65	99.59	6.38
42...	99.99	1.22	99.91	2.97	99.78	4.71	99.59	6.44
44...	99.98	1.28	99.91	3.02	99.77	4.76	99.58	6.50
46...	99.98	1.34	99.90	3.08	99.77	4.82	99.57	6.56
48...	99.98	1.40	99.90	3.14	99.76	4.88	99.56	6.61
50...	99.98	1.45	99.90	3.20	99.76	4.94	99.56	6.67
52...	99.98	1.51	99.89	3.26	99.75	4.99	99.55	6.73
54...	99.98	1.57	99.89	3.31	99.74	5.05	99.54	6.78
56...	99.97	1.63	99.89	3.37	99.74	5.11	99.53	6.84
58...	99.97	1.69	99.88	3.43	99.73	5.17	99.52	6.90
60...	99.97	1.74	99.88	3.49	99.73	5.23	99.51	6.96
c+f=								
0.75	0.75	0.01	0.75	0.02	0.75	0.03	0.75	0.05
c+f=								
1.00	1.00	0.01	1.00	0.03	1.00	0.04	1.00	0.06
c+f=								
1.25	1.25	0.02	1.25	0.03	1.25	0.05	1.25	0.08

第三表 絲測指數改算表 (\$223)

Minutes	4°		5°		6°		7°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0...	99.51	6.96	99.24	8.68	98.91	10.40	98.51	12.10
2...	99.51	7.02	99.23	8.74	98.90	10.45	98.50	12.15
4...	99.50	7.07	99.22	8.80	98.88	10.51	98.48	12.21
6...	99.49	7.13	99.21	8.85	98.87	10.57	98.47	12.26
8...	99.48	7.19	99.20	8.91	98.86	10.62	98.46	12.32
10...	99.47	7.25	99.19	8.97	98.85	10.68	98.44	12.38
12...	99.46	7.30	99.18	9.03	98.83	10.74	98.43	12.43
14...	99.46	7.36	99.17	9.08	98.82	10.79	98.41	12.49
16...	99.45	7.42	99.16	9.14	98.81	10.85	98.40	12.55
18...	99.44	7.48	99.15	9.20	98.80	10.91	98.39	12.60
20...	99.43	7.53	99.14	9.25	98.78	10.96	98.37	12.66
22...	99.42	7.59	99.13	9.31	98.77	11.02	98.36	12.72
24...	99.41	7.65	99.11	9.37	98.76	11.08	98.34	12.77
26...	99.40	7.71	99.10	9.43	98.74	11.13	98.33	12.83
28...	99.39	7.76	99.09	9.48	98.73	11.19	98.31	12.88
30...	99.38	7.82	99.08	9.54	98.72	11.25	98.29	12.94
32...	99.38	7.88	99.07	9.60	98.71	11.30	98.28	13.00
34...	99.37	7.94	99.06	9.65	98.69	11.36	98.27	13.05
36...	99.36	7.99	99.05	9.71	98.68	11.42	98.25	13.11
38...	99.35	8.05	99.04	9.77	98.67	11.47	98.24	13.17
40...	99.34	8.11	99.03	9.83	98.65	11.53	98.22	13.22
42...	99.33	8.17	99.01	9.88	98.64	11.59	98.20	13.28
44...	99.32	8.22	99.00	9.94	98.63	11.64	98.19	13.33
46...	99.31	8.28	98.99	10.00	98.61	11.70	98.17	13.39
48...	99.30	8.34	98.98	10.05	98.60	11.76	98.16	13.45
50...	99.29	8.40	98.97	10.11	98.58	11.81	98.14	13.50
52...	99.28	8.45	98.96	10.17	98.57	11.87	98.13	13.56
54...	99.27	8.51	98.94	10.22	98.56	11.93	98.11	13.61
56...	99.26	8.57	98.93	10.28	98.54	11.98	98.10	13.67
58...	99.25	8.61	98.92	10.34	98.53	12.04	98.08	13.73
60...	99.24	8.68	98.91	10.40	98.51	12.10	98.06	13.78
c+f=								
0.75	0.75	0.06	0.75	0.07	0.75	0.08	0.74	0.10
c+f=								
1.00	1.00	0.08	0.99	0.09	0.99	0.11	0.99	0.13
c+f=								
1.25	1.25	0.10	1.24	0.11	1.24	0.14	1.24	0.16

Minutes	8°		9°		10°		11°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0...	08.06	13.78	07.55	15.45	06.08	17.10	06.36	18.73
2...	08.05	13.84	07.53	15.51	06.06	17.16	06.34	18.78
4...	08.03	13.89	07.52	15.56	06.04	17.21	06.32	18.84
6...	08.01	13.95	07.50	15.62	06.02	17.26	06.29	18.89
8...	08.00	14.01	07.48	15.67	06.00	17.32	06.27	18.95
10...	07.98	14.06	07.46	15.73	06.88	17.37	06.25	19.00
12...	07.97	14.12	07.44	15.78	06.86	17.43	06.23	19.05
14...	07.95	14.17	07.43	15.84	06.84	17.48	06.21	19.11
16...	07.93	14.23	07.41	15.89	06.82	17.54	06.18	19.16
18...	07.92	14.28	07.39	15.95	06.80	17.59	06.16	19.21
20...	07.90	14.34	07.37	16.00	06.78	17.65	06.14	19.27
22...	07.88	14.40	07.35	16.06	06.76	17.70	06.12	19.32
24...	07.87	14.45	07.33	16.11	06.74	17.76	06.09	19.38
26...	07.85	14.51	07.31	16.17	06.72	17.81	06.07	19.43
28...	07.83	14.56	07.29	16.22	06.70	17.86	06.05	19.48
30...	07.82	14.62	07.28	16.28	06.68	17.92	06.03	19.54
32...	07.80	14.67	07.26	16.33	06.66	17.97	06.00	19.59
34...	07.78	14.73	07.24	16.39	06.64	18.03	05.98	19.64
36...	07.76	14.79	07.22	16.44	06.62	18.08	05.96	19.70
38...	07.75	14.84	07.20	16.50	06.60	18.14	05.93	19.75
40...	07.73	14.90	07.18	16.55	06.57	18.19	05.91	19.80
42...	07.71	14.95	07.16	16.61	06.55	18.24	05.89	19.86
44...	07.69	15.01	07.14	16.66	06.53	18.30	05.86	19.91
46...	07.68	15.06	07.12	16.72	06.51	18.35	05.84	19.96
48...	07.66	15.12	07.10	16.77	06.49	18.41	05.82	20.02
50...	07.64	15.17	07.08	16.83	06.47	18.46	05.79	20.07
52...	07.62	15.23	07.06	16.88	06.45	18.51	05.77	20.12
54...	07.61	15.28	07.04	16.94	06.42	18.57	05.75	20.18
56...	07.59	15.34	07.02	16.99	06.40	18.62	05.72	20.23
58...	07.57	15.40	07.00	17.05	06.38	18.68	05.70	20.28
60	07.55	15.45	06.98	17.10	06.36	18.73	05.68	20.34
c+f=								
0.75	0.74	0.11	0.74	0.12	0.74	0.14	0.73	0.15
1.00	0.99	0.15	0.99	0.16	0.98	0.18	0.98	0.20
1.25	1.23	0.18	1.23	0.21	1.23	0.23	1.22	0.25

第三表 絲綢指數改算表 (\$223)

Minutes	12°		13°		14°		15°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0...	95.68	20.34	94.94	21.92	94.15	23.47	93.30	25.00
2...	95.65	20.39	94.91	21.97	94.12	23.52	93.27	25.05
4...	95.63	20.44	94.89	22.02	94.09	23.58	93.24	25.10
6...	95.61	20.50	94.86	22.08	94.07	23.63	93.21	25.15
8...	95.58	20.55	94.84	22.13	94.04	23.68	93.18	25.20
10...	95.56	20.60	94.81	22.18	94.01	23.73	93.16	25.25
12...	95.53	20.66	94.79	22.23	93.98	23.78	93.13	25.30
14...	95.51	20.71	94.76	22.28	93.95	23.83	93.10	25.35
16...	95.49	20.76	94.73	22.34	93.93	23.88	93.07	25.40
18...	95.46	20.81	94.71	22.39	93.90	23.93	93.04	25.45
20...	95.44	20.87	94.68	22.44	93.87	23.99	93.01	25.50
22...	95.41	20.92	94.66	22.49	93.84	24.04	92.98	25.55
24...	95.39	20.97	94.63	22.54	93.81	24.09	92.95	25.60
26...	95.36	21.03	94.60	22.60	93.79	24.14	92.92	25.65
28...	95.34	21.08	94.58	22.65	93.76	24.19	92.89	25.70
30...	95.32	21.13	94.55	22.70	93.73	24.24	92.86	25.75
32...	95.29	21.18	94.52	22.75	93.70	24.29	92.83	25.80
34...	95.27	21.24	94.50	22.80	93.67	24.34	92.80	25.85
36...	95.24	21.29	94.47	22.85	93.65	24.39	92.77	25.90
38...	95.22	21.34	94.44	22.91	93.62	24.44	92.74	25.95
40...	95.19	21.39	94.42	22.96	93.59	24.49	92.71	26.00
42...	95.17	21.45	94.39	23.01	93.56	24.55	92.68	26.05
44...	95.14	21.50	94.36	23.06	93.53	24.60	92.65	26.10
46...	95.12	21.55	94.34	23.11	93.50	24.65	92.62	26.15
48...	95.09	21.60	94.31	23.16	93.47	24.70	92.59	26.20
50...	95.07	21.66	94.28	23.22	93.45	24.75	92.56	26.25
52...	95.04	21.71	94.26	23.27	93.42	24.80	92.53	26.30
54...	95.02	21.76	94.23	23.32	93.39	24.85	92.49	26.35
56...	94.99	21.81	94.20	23.37	93.36	24.90	92.46	26.40
58...	94.97	21.87	94.17	23.42	93.33	24.95	92.43	26.45
60...	94.94	21.92	94.15	23.47	93.30	25.00	92.40	26.50
$C+f=$ 0.75	0.73	0.16	0.73	0.17	0.73	0.19	0.72	0.20
$C+f=$ 1.00	0.98	0.22	0.97	0.23	0.97	0.25	0.96	0.27
$C+f=$ 1.25	1.22	0.27	1.21	0.29	1.21	0.31	1.20	0.34

Minutes	16°		17°		18°		19°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0..	92.40	26.50	91.45	27.06	90.45	29.39	89.40	30.78
2..	92.37	26.55	91.42	28.01	90.42	29.44	89.36	30.83
4...	92.34	26.59	91.39	28.06	90.38	29.48	89.33	30.87
6...	92.31	26.64	91.35	28.10	90.35	29.53	89.29	30.92
8...	92.28	26.69	91.32	28.15	90.31	29.58	89.26	30.97
10..	92.25	26.74	91.29	28.20	90.28	29.62	89.22	31.01
12 ..	92.22	26.79	91.26	28.25	90.24	29.67	89.18	31.06
14 ..	92.19	26.84	91.22	28.30	90.21	29.72	89.15	31.10
16..	92.15	26.89	91.19	28.34	90.18	29.76	89.11	31.15
18...	92.12	26.94	91.16	28.39	90.14	29.81	89.08	31.19
20 ..	92.09	26.99	91.12	28.44	90.11	29.86	89.04	31.24
22. .	92.06	27.04	91.09	28.49	90.07	29.90	89.00	31.28
24 ..	92.03	27.09	91.06	28.54	90.04	29.95	88.96	31.33
26 ..	92.00	27.13	91.02	28.58	90.00	30.00	88.93	31.38
28 ..	91.97	27.18	90.99	28.63	89.97	30.04	88.89	31.42
30...	91.93	27.23	90.96	28.68	89.93	30.09	88.86	31.47
32...	91.90	27.28	90.92	28.73	89.90	30.14	88.82	31.51
34...	91.87	27.33	90.89	28.77	89.86	30.19	88.78	31.56
36...	91.84	27.38	90.86	28.82	89.83	30.23	88.75	31.60
38...	91.81	27.43	90.82	28.87	89.79	30.28	88.71	31.65
40..	91.77	27.48	90.79	28.92	89.76	30.32	88.67	31.69
42...	91.74	27.52	90.76	28.96	89.72	30.37	88.64	31.74
44...	91.71	27.57	90.72	29.01	89.69	30.41	88.60	31.78
46...	91.68	27.62	90.69	29.06	89.65	30.46	88.56	31.83
48...	91.65	27.67	90.66	29.11	89.61	30.51	88.53	31.87
50...	91.61	27.72	90.62	29.15	89.58	30.55	88.49	31.92
52...	91.58	27.77	90.59	29.20	89.54	30.60	88.45	31.96
54...	91.55	27.81	90.55	29.25	89.51	30.65	88.41	32.01
56...	91.52	27.86	90.52	29.30	89.47	30.69	88.38	32.05
58...	91.48	27.91	90.48	29.34	89.44	30.74	88.34	32.09
60...	91.45	27.96	90.45	29.39	89.40	30.78	88.30	32.14
$c+f=$ 0.75	0.72	0.21	0.72	0.23	0.71	0.24	0.71	0.25
$c+f=$ 1.00	0.96	0.28	0.95	0.30	0.95	0.32	0.94	0.33
$c+f=$ 1.25	1.20	0.35	1.19	0.38	1.19	0.40	1.18	0.42



三表 絲測指數改算表 (§223)

Minutes.	20°		21°		22°		23°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0...	88.30	32.14	87.16	33.46	85.97	34.73	84.73	35.97
2...	88.26	32.18	87.12	33.50	85.93	34.77	84.69	36.01
4...	88.23	32.23	87.08	33.54	85.89	34.82	84.65	36.05
6...	88.19	32.27	87.04	33.59	85.85	34.86	84.61	36.09
8...	88.15	32.32	87.00	33.63	85.80	34.90	84.57	36.13
10...	88.11	32.36	86.96	33.67	85.76	34.94	84.52	36.17
12...	88.08	32.41	86.92	33.72	85.72	34.98	84.48	36.21
14...	88.04	32.45	86.88	33.76	85.68	35.02	84.44	36.25
16...	88.00	32.49	86.84	33.80	85.64	35.07	84.40	36.29
18...	87.96	32.54	86.80	33.84	85.60	35.11	84.35	36.33
20...	87.93	32.58	86.77	33.89	85.56	35.15	84.31	36.37
22...	87.89	32.63	86.73	33.93	85.52	35.19	84.27	36.41
24...	87.85	32.67	86.69	33.97	85.48	35.23	84.23	36.45
26...	87.81	32.72	86.65	34.01	85.44	35.27	84.18	36.49
28...	87.77	32.76	86.61	34.06	85.40	35.31	84.14	36.53
30...	87.74	32.80	86.57	34.10	85.36	35.36	84.10	36.57
32...	87.70	32.85	86.53	34.14	85.31	35.40	84.06	36.61
34...	87.66	32.89	86.49	34.18	85.27	35.44	84.01	36.65
36...	87.62	32.93	86.45	34.23	85.23	35.48	83.97	36.69
38...	87.58	32.98	86.41	34.27	85.19	35.52	83.93	36.73
40...	87.54	33.02	86.37	34.31	85.15	35.56	83.89	36.77
42...	87.51	33.07	86.33	34.35	85.11	35.60	83.84	36.80
44...	87.47	33.11	86.29	34.40	85.07	35.64	83.80	36.84
46...	87.43	33.15	86.25	34.44	85.02	35.68	83.76	36.88
48...	87.39	33.20	86.21	34.48	84.98	35.72	83.72	36.92
50...	87.35	33.24	86.17	34.52	84.94	35.76	83.67	36.96
52...	87.31	33.28	86.13	34.57	84.90	35.80	83.63	37.00
54...	87.27	33.33	86.09	34.61	84.86	35.85	83.59	37.04
56...	87.24	33.37	86.05	34.65	84.82	35.89	83.54	37.08
58...	87.20	33.41	86.01	34.69	84.77	35.93	83.50	37.12
60...	87.16	33.46	85.97	34.73	84.73	35.97	83.46	37.16
$c+f=$ 0.75	0.70	0.26	0.70	0.27	0.69	0.29	0.69	0.30
$c+f=$ 1.00	0.94	0.35	0.93	0.37	0.92	0.38	0.92	0.40
$c+f=$ 1.25	1.17	0.44	1.16	0.46	1.15	0.48	1.15	0.50

Minutes.	24°		25°		26°		27°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0...	83.46	37.16	82.14	38.30	80.78	39.40	79.39	40.45
2...	83.41	37.20	82.09	38.34	80.74	39.44	79.34	40.49
4...	83.37	37.23	82.05	38.38	80.69	39.47	79.30	40.52
6...	83.33	37.27	82.01	38.41	80.65	39.51	79.25	40.55
8...	83.28	37.31	81.96	38.45	80.60	39.54	79.20	40.59
10...	83.24	37.35	81.92	38.49	80.55	39.58	79.15	40.62
12...	83.20	37.39	81.87	38.53	80.51	39.61	79.11	40.66
14...	83.15	37.43	81.83	38.56	80.46	39.65	79.06	40.69
16...	83.11	37.47	81.78	38.60	80.41	39.69	79.01	40.72
18...	83.07	37.51	81.74	38.64	80.37	39.72	78.96	40.76
20...	83.02	37.54	81.69	38.67	80.32	39.76	78.92	40.79
22...	82.98	37.58	81.65	38.71	80.28	39.79	78.87	40.82
24...	82.93	37.62	81.60	38.75	80.23	39.83	78.82	40.86
26...	82.89	37.66	81.56	38.78	80.18	39.86	78.77	40.89
28...	82.85	37.70	81.51	38.82	80.14	39.90	78.73	40.92
30...	82.80	37.74	81.47	38.86	80.09	39.93	78.68	40.96
32...	82.76	37.77	81.42	38.89	80.04	39.97	78.63	40.99
34...	82.72	37.81	81.38	38.93	80.00	40.00	78.58	41.02
36...	82.67	37.85	81.33	38.97	79.95	40.04	78.54	41.06
38...	82.63	37.89	81.28	39.00	79.90	40.07	78.49	41.09
40...	82.58	37.93	81.24	39.04	79.86	40.11	78.44	41.12
42...	82.54	37.96	81.19	39.08	79.81	40.14	78.39	41.16
44...	82.49	38.00	81.15	39.11	79.76	40.18	78.34	41.19
46...	82.45	38.04	81.10	39.15	79.72	40.21	78.30	41.22
48...	82.41	38.08	81.06	39.18	79.67	40.24	78.25	41.26
50...	82.36	38.11	81.01	39.22	79.62	40.28	78.20	41.29
52...	82.32	38.15	80.97	39.26	79.58	40.31	78.15	41.32
54...	82.27	38.19	80.92	39.29	79.53	40.35	78.10	41.35
56...	82.23	38.23	80.87	39.33	79.48	40.38	78.06	41.39
58...	82.18	38.26	80.83	39.36	79.44	40.42	78.01	41.42
60...	82.14	38.30	80.78	39.40	79.39	40.45	77.96	41.45
$c+f=$ 0.75	0.68	0.31	0.68	0.32	0.67	0.33	0.66	0.35
$c+f=$ 1.00	0.91	0.41	0.90	0.43	0.89	0.45	0.89	0.46
$c+f=$ 1.25	1.14	0.52	1.13	0.54	1.12	0.56	1.11	0.58

第三表 絲測指數改算表 (\$223\$)

Minutes	28°		29°		30°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0.....	77.06	41.45	76.50	42.40	75.00	43.30
2.....	77.91	41.48	76.45	42.43	74.95	43.33
4.....	77.86	41.52	76.40	42.46	74.90	43.36
6.....	77.81	41.55	76.35	42.49	74.85	43.39
8.....	77.77	41.58	76.30	42.53	74.80	43.42
10.....	77.71	41.61	76.25	42.56	74.75	43.45
12.....	77.67	41.65	76.20	42.59	74.70	43.47
14.....	77.62	41.68	76.15	42.62	74.65	43.50
16.....	77.57	41.71	76.10	42.65	74.60	43.53
18.....	77.52	41.74	76.05	42.68	74.55	43.56
20.....	77.48	41.77	76.00	42.71	74.49	43.59
22.....	77.42	41.81	75.95	42.74	74.44	43.62
24.....	77.38	41.84	75.90	42.77	74.39	43.65
26.....	77.33	41.87	75.85	42.80	74.34	43.67
28.....	77.28	41.90	75.80	42.83	74.29	43.70
30.....	77.23	41.93	75.75	42.86	74.24	43.73
32.....	77.18	41.97	75.70	42.89	74.19	43.76
34.....	77.13	42.00	75.65	42.92	74.14	43.79
36.....	77.09	42.03	75.60	42.95	74.09	43.82
38.....	77.04	42.06	75.55	42.98	74.04	43.84
40.....	76.99	42.09	75.50	43.01	73.99	43.87
42.....	76.94	42.12	75.45	43.04	73.93	43.90
44.....	76.89	42.15	75.40	43.07	73.88	43.93
46.....	76.84	42.19	75.35	43.10	73.83	43.95
48.....	76.79	42.22	75.30	43.13	73.78	43.98
50.....	76.74	42.25	75.25	43.16	73.73	44.01
52.....	76.69	42.28	75.20	43.18	73.68	44.04
54.....	76.64	42.31	75.15	43.21	73.63	44.07
56.....	76.59	42.34	75.10	43.24	73.58	44.09
58.....	76.55	42.37	75.05	43.27	73.52	44.12
60.....	76.50	42.40	75.00	43.30	73.47	44.15
$c+f=0.75$	0.66	0.36	0.65	0.37	0.65	0.38
$c+f=1.00$	0.88	0.48	0.87	0.49	0.86	0.51
$c+f=1.25$	1.10	0.60	1.09	0.62	1.08	0.64

N	0	1	2	3	4	5	6	7	8	9
100	00000	00043	00087	00130	00173	00217	00260	00303	00346	00389
1	0432	0475	0518	0561	0604	0647	0689	0732	0775	0817
2	0860	0903	0945	0988	1030	1072	1115	1157	1199	1242
3	1284	1329	1383	1410	1452	1494	1536	1578	1620	1662
4	1703	1745	1787	1828	1870	1912	1953	1995	2038	2078
5	2119	2160	2202	2243	2284	2325	2366	2407	2449	2490
6	2531	2572	2612	2653	2694	2735	2776	2816	2857	2898
7	2938	2979	3019	3060	3100	3141	3181	3222	3262	3302
8	3342	3383	3423	3463	3503	3543	3583	3623	3663	3703
9	3743	3782	3822	3862	3902	3941	3981	4021	4060	4100
110	04189	04179	04218	04258	04297	04336	04376	04415	04454	04493
1	4532	4571	4610	4650	4689	4727	4766	4805	4844	4883
2	4922	4961	4999	5038	5077	5115	5154	5192	5231	5269
3	5308	5346	5385	5423	5461	5500	5538	5576	5614	5652
4	5690	5729	5767	5805	5843	5881	5918	5956	5994	6032
5	6070	6108	6145	6183	6221	6258	6296	6333	6371	6408
6	6446	6483	6521	6558	6595	6633	6670	6707	6744	6781
7	6819	6856	6893	6930	6967	7004	7041	7078	7115	7151
8	7188	7225	7262	7299	7335	7372	7409	7445	7482	7518
9	7555	7591	7628	7664	7700	7737	7773	7809	7846	7882
120	07018	07054	07090	08027	08063	08099	08135	08171	08207	08243
1	8270	8314	8350	8386	8422	8458	8493	8529	8565	8600
2	8636	8672	8707	8743	8778	8814	8849	8884	8920	8955
3	8991	9026	9061	9096	9132	9167	9202	9237	9272	9307
4	9342	9377	9412	9447	9482	9517	9552	9587	9621	9656
5	9691	9726	9760	9795	9830	9864	9899	9934	9968	10003
6	10037	10072	10106	10140	10175	10209	10243	10278	10312	10346
7	0380	0415	0449	0483	0517	0551	0585	0619	0653	0687
8	0721	0755	0789	0823	0857	0890	0924	0958	0992	1025
9	1059	1093	1126	1160	1193	1227	1261	1294	1327	1361
130	11394	11428	11461	11494	11528	11561	11594	11628	11661	11694
1	1727	1760	1793	1826	1860	1893	1926	1959	1992	2024
2	2057	2090	2123	2156	2189	2222	2254	2287	2320	2352
3	2385	2418	2450	2483	2516	2548	2581	2613	2646	2678
4	2710	2743	2775	2808	2840	2872	2905	2937	2969	3001
5	3033	3066	3098	3130	3162	3194	3226	3258	3290	3322
6	3354	3386	3418	3450	3481	3513	3545	3577	3609	3640
7	3672	3704	3735	3767	3799	3830	3862	3893	3925	3956
8	3988	4019	4051	4082	4114	4145	4176	4208	4239	4270
9	4301	4333	4364	4395	4426	4457	4489	4520	4551	4582
140	14613	14644	14675	14706	14737	14768	14799	14829	14860	14891
1	4922	4953	4983	5014	5045	5076	5106	5137	5168	5198
2	5229	5259	5290	5320	5351	5381	5412	5442	5473	5503
3	5534	5564	5594	5625	5655	5685	5715	5746	5776	5806
4	5836	5866	5897	5927	5957	5987	6017	6047	6077	6107
5	6137	6167	6197	6227	6256	6286	6316	6346	6376	6406
6	6435	6465	6495	6524	6554	6584	6613	6643	6673	6702
7	6732	6761	6791	6820	6850	6879	6909	6938	6967	6997
8	7026	7056	7085	7114	7143	7173	7202	7231	7260	7289
9	7319	7348	7377	7406	7435	7464	7493	7522	7551	7580
150	17609	17638	17667	17696	17725	17754	17782	17811	17840	17869

第四表 常用對數表

N	0	1	2	3	4	5	6	7	8	9
150	17609	17638	17667	17696	17725	17754	17782	17811	17840	17869
1	7898	7926	7955	7984	8013	8041	8070	8099	8127	8156
2	8184	8213	8241	8270	8298	8327	8355	8384	8412	8441
3	8469	8498	8526	8554	8583	8611	8639	8667	8696	8724
4	8752	8780	8808	8837	8865	8893	8921	8949	8977	9005
5	9033	9061	9089	9117	9145	9173	9201	9229	9257	9285
6	9312	9340	9368	9396	9424	9451	9479	9507	9535	9562
7	9590	9618	9645	9673	9700	9728	9756	9783	9811	9838
8	9866	9893	9921	9948	9976	20003	20030	20058	20085	20112
9	20140	20167	20194	20222	20249	0270	0303	0330	0358	0385
160	20412	20439	20466	20493	20520	20548	20575	20602	20629	20656
1	0683	0710	0737	0763	0790	0817	0844	0871	0898	0925
2	0952	0978	1005	1032	1059	1085	1112	1139	1165	1192
3	1219	1245	1272	1299	1325	1352	1378	1405	1431	1458
4	1484	1511	1537	1564	1590	1617	1643	1669	1696	1722
5	1748	1775	1801	1827	1854	1880	1906	1932	1958	1985
6	2011	2037	2063	2089	2115	2141	2167	2194	2220	2246
7	2272	2298	2324	2350	2376	2401	2427	2453	2479	2505
8	2531	2557	2583	2608	2634	2660	2686	2712	2737	2763
9	2789	2814	2840	2866	2891	2917	2943	2968	2994	3019
170	23045	23070	23096	23121	23147	23172	23198	23223	23249	23274
1	3300	3325	3350	3376	3401	3426	3452	3477	3502	3528
2	3553	3578	3603	3629	3654	3679	3704	3729	3754	3779
3	3805	3830	3855	3880	3905	3930	3955	3980	4005	4030
4	4055	4080	4105	4130	4155	4180	4204	4229	4254	4279
5	4304	4329	4353	4378	4403	4428	4452	4477	4502	4527
6	4551	4576	4601	4625	4650	4674	4699	4724	4748	4773
7	4797	4822	4846	4871	4895	4920	4944	4969	4993	5018
8	5042	5066	5091	5115	5139	5164	5188	5212	5237	5261
9	5285	5310	5334	5358	5382	5406	5431	5455	5479	5503
180	25527	25551	25575	25600	25624	25648	25672	25696	25720	25744
1	5768	5792	5816	5840	5864	5888	5912	5935	5959	5983
2	6007	6031	6055	6079	6102	6126	6150	6174	6198	6221
3	6245	6269	6293	6316	6340	6364	6387	6411	6435	6458
4	6482	6505	6529	6553	6576	6600	6623	6647	6670	6694
5	6717	6741	6764	6788	6811	6834	6858	6881	6905	6928
6	6951	6975	6998	7021	7045	7068	7091	7114	7138	7161
7	7184	7207	7231	7254	7277	7300	7323	7346	7370	7393
8	7416	7439	7462	7485	7508	7531	7554	7577	7600	7623
9	7646	7669	7692	7715	7738	7761	7784	7807	7830	7852
190	27875	27898	27921	27944	27967	27990	28012	28035	28058	28081
1	8103	8126	8149	8171	8194	8217	8240	8262	8285	8307
2	8330	8353	8375	8398	8421	8443	8466	8488	8511	8533
3	8556	8578	8601	8623	8646	8668	8691	8713	8735	8758
4	8780	8803	8825	8847	8870	8892	8914	8937	8959	8981
5	9003	9026	9048	9070	9092	9115	9137	9159	9181	9203
6	9226	9248	9270	9292	9314	9336	9358	9380	9403	9425
7	9447	9469	9491	9513	9535	9557	9579	9601	9623	9645
8	9667	9688	9710	9732	9754	9776	9798	9820	9842	9863
9	9885	9907	9929	9951	9973	9994	30016	30038	30060	30081
200	30103	30125	30146	30168	30190	30211	30233	30255	30276	30298

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<b>200</b>	30103	50125	50146	50168	50190	50211	50233	50255	50277	50298
1	0320	0341	0363	0384	0406	0428	0449	0471	0492	0514
2	0535	0557	0578	0600	0621	0643	0664	0685	0707	0728
3	0750	0771	0792	0814	0835	0856	0878	0899	0920	0942
4	0963	0984	1006	1027	1048	1069	1091	1112	1133	1154
5	1176	1197	1218	1239	1260	1281	1302	1323	1345	1366
6	1387	1408	1429	1450	1471	1492	1513	1534	1555	1576
7	1597	1618	1639	1660	1681	1702	1723	1744	1765	1785
8	1806	1827	1848	1869	1890	1911	1931	1952	1973	1994
9	2015	2035	2056	2077	2098	2118	2139	2160	2181	2201
<b>210</b>	32222	32243	32263	32284	32305	32325	32346	32366	32387	32408
1	2426	2449	2469	2490	2510	2531	2552	2572	2593	2613
2	2634	2654	2675	2695	2715	2736	2756	2777	2797	2818
3	2838	2858	2879	2899	2919	2940	2960	2980	3001	3021
4	3041	3062	3082	3102	3122	3143	3163	3183	3203	3224
5	3244	3264	3284	3304	3325	3345	3365	3385	3405	3426
6	3445	3465	3485	3505	3525	3545	3565	3585	3605	3626
7	3646	3666	3686	3706	3726	3746	3766	3786	3806	3826
8	3846	3866	3885	3905	3925	3945	3965	3985	4005	4025
9	4044	4064	4084	4104	4124	4143	4163	4183	4203	4223
<b>220</b>	34242	34262	34282	34301	34321	34341	34361	34380	34400	34420
1	4430	4459	4479	4498	4518	4537	4557	4577	4596	4616
2	4635	4655	4674	4694	4713	4733	4753	4772	4792	4811
3	4830	4850	4869	4889	4908	4928	4947	4967	4986	5005
4	5025	5044	5064	5083	5102	5122	5141	5160	5180	5199
5	5218	5238	5257	5276	5295	5315	5334	5353	5372	5392
6	5411	5430	5449	5468	5488	5507	5526	5545	5564	5583
7	5603	5622	5641	5660	5679	5698	5717	5736	5755	5774
8	5793	5813	5832	5851	5870	5889	5908	5927	5946	5965
9	5984	6003	6021	6040	6059	6078	6097	6116	6135	6154
<b>230</b>	36173	36192	36211	36229	36248	36267	36286	36305	36324	36342
1	6361	6380	6399	6418	6437	6455	6474	6493	6511	6530
2	6549	6568	6586	6605	6624	6642	6661	6680	6698	6717
3	6736	6754	6773	6791	6810	6829	6847	6866	6884	6903
4	6922	6940	6959	6977	6996	7014	7033	7051	7070	7088
5	7107	7125	7144	7162	7181	7199	7218	7236	7254	7273
6	7291	7310	7328	7346	7365	7383	7401	7420	7438	7457
7	7475	7493	7511	7530	7548	7566	7585	7603	7621	7639
8	7658	7676	7694	7712	7731	7749	7767	7785	7803	7822
9	7840	7858	7876	7894	7912	7931	7949	7967	7985	8003
<b>240</b>	38021	38039	38057	38075	38093	38112	38130	38148	38166	38184
1	8202	8220	8238	8256	8274	8292	8310	8328	8346	8364
2	8382	8399	8417	8435	8453	8471	8489	8507	8525	8543
3	8561	8578	8596	8614	8632	8650	8668	8686	8703	8721
4	8739	8757	8775	8793	8810	8828	8846	8863	8881	8899
5	8917	8934	8952	8970	8987	9005	9023	9041	9058	9076
6	9094	9111	9129	9146	9164	9182	9199	9217	9235	9252
7	9270	9287	9305	9322	9340	9358	9375	9393	9410	9428
8	9445	9463	9480	9498	9515	9533	9550	9568	9585	9602
9	9620	9637	9655	9672	9690	9707	9724	9742	9760	9777
<b>250</b>	39704	39811	39829	39846	39863	39881	39898	39915	39933	39950

第四表 常用對數表

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250	20704	20811	20920	21030	21140	21250	21360	21470	21580	21690
1	0067	0085	0092	0109	0127	0144	0161	0178	0195	0212
2	40140	40157	0175	0192	0209	0226	0243	0261	0278	0295
3	0312	0329	0346	0364	0381	0398	0415	0432	0449	0466
4	0483	0500	0518	0535	0552	0569	0586	0603	0620	0637
5	0654	0671	0688	0705	0722	0739	0756	0773	0790	0807
6	0824	0841	0858	0875	0892	0909	0926	0943	0960	0978
7	0993	1010	1027	1044	1061	1078	1095	1111	1128	1145
8	1162	1179	1196	1212	1229	1246	1263	1280	1296	1313
9	1330	1347	1363	1380	1397	1414	1430	1447	1464	1481
260	41497	41514	41531	41547	41564	41581	41597	41614	41631	41647
1	1664	1681	1697	1714	1731	1747	1764	1780	1797	1814
2	1830	1847	1863	1880	1896	1913	1929	1946	1963	1979
3	1996	2012	2029	2045	2062	2078	2095	2111	2127	2144
4	2160	2177	2193	2210	2226	2243	2259	2276	2292	2308
5	2325	2341	2357	2374	2390	2406	2423	2439	2455	2472
6	2488	2504	2521	2537	2553	2570	2586	2602	2619	2635
7	2651	2667	2684	2700	2716	2732	2749	2765	2781	2797
8	2813	2830	2846	2862	2878	2894	2911	2927	2943	2959
9	2975	2991	3008	3024	3040	3056	3072	3088	3104	3120
270	43136	43152	43169	43185	43201	43217	43233	43249	43265	43281
1	3297	3313	3329	3345	3361	3377	3393	3409	3425	3441
2	3457	3473	3489	3505	3521	3537	3553	3569	3584	3600
3	3616	3632	3648	3664	3680	3696	3712	3727	3743	3759
4	3775	3791	3807	3823	3838	3854	3870	3886	3902	3917
5	3933	3949	3965	3981	3996	4012	4028	4044	4059	4075
6	4091	4107	4122	4138	4154	4170	4185	4201	4217	4232
7	4248	4264	4279	4295	4311	4326	4342	4358	4373	4389
8	4404	4420	4436	4451	4467	4483	4498	4514	4529	4545
9	4560	4576	4592	4607	4623	4638	4654	4669	4685	4700
280	44716	44731	44747	44762	44778	44793	44809	44824	44840	44855
1	4871	4886	4902	4917	4932	4948	4963	4979	4994	5010
2	5025	5040	5056	5071	5086	5102	5117	5133	5148	5163
3	5179	5194	5209	5225	5240	5255	5271	5286	5301	5317
4	5332	5347	5362	5378	5393	5408	5423	5439	5454	5469
5	5484	5500	5515	5530	5545	5561	5576	5591	5606	5621
6	5637	5652	5667	5682	5697	5712	5728	5743	5758	5773
7	5788	5803	5818	5834	5849	5864	5879	5894	5909	5924
8	5939	5954	5969	5984	6000	6015	6030	6045	6060	6075
9	6090	6105	6120	6135	6150	6165	6180	6195	6210	6225
290	46240	46255	46270	46285	46300	46315	46330	46345	46360	46375
1	6389	6404	6419	6434	6449	6464	6479	6494	6509	6523
2	6538	6553	6568	6583	6598	6613	6627	6642	6657	6672
3	6687	6702	6716	6731	6746	6761	6776	6790	6805	6820
4	6835	6850	6864	6879	6894	6909	6923	6938	6953	6967
5	6982	6997	7012	7026	7041	7055	7070	7085	7100	7114
6	7129	7144	7159	7173	7188	7202	7217	7232	7246	7261
7	7275	7290	7305	7319	7334	7349	7363	7378	7392	7407
8	7422	7436	7451	7465	7480	7494	7509	7524	7538	7553
9	7567	7582	7596	7611	7625	7640	7654	7669	7683	7698
300	47712	47727	47741	47756	47770	47784	47799	47813	47828	47842

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<b>800</b>	47712	47727	47741	47756	47770	47784	47799	47813	47828	47842
<b>1</b>	7857	7871	7885	7900	7914	7929	7943	7958	7972	7986
<b>2</b>	8001	8015	8029	8044	8058	8073	8087	8101	8116	8130
<b>3</b>	8144	8159	8173	8187	8202	8216	8230	8244	8259	8273
<b>4</b>	8287	8302	8316	8330	8344	8359	8373	8387	8401	8416
<b>5</b>	8430	8444	8458	8473	8487	8501	8515	8530	8544	8558
<b>6</b>	8572	8586	8601	8615	8629	8643	8657	8671	8686	8700
<b>7</b>	8714	8728	8742	8756	8770	8785	8799	8813	8827	8841
<b>8</b>	8855	8869	8883	8897	8911	8926	8940	8954	8968	8982
<b>9</b>	8996	9010	9024	9038	9052	9066	9080	9094	9108	9122
<b>310</b>	49136	49150	49164	49178	49192	49206	49220	49234	49248	49262
<b>1</b>	9276	9290	9304	9318	9332	9346	9360	9374	9388	9402
<b>2</b>	9415	9429	9443	9457	9471	9485	9499	9513	9527	9541
<b>3</b>	9554	9568	9582	9596	9610	9624	9638	9651	9665	9679
<b>4</b>	9693	9707	9721	9734	9748	9762	9776	9790	9803	9817
<b>5</b>	9831	9845	9859	9872	9886	9900	9914	9927	9941	9955
<b>6</b>	9969	9982	9996	50010	50024	50037	50051	50065	50079	50092
<b>7</b>	50106	50120	50133	0147	0161	0174	0188	0202	0215	0229
<b>8</b>	0243	0256	0270	0284	0297	0311	0325	0338	0352	0365
<b>9</b>	0379	0393	0406	0420	0433	0447	0461	0474	0488	0501
<b>320</b>	50515	50529	50542	50556	50569	50583	50596	50610	50623	50637
<b>1</b>	0651	0664	0678	0691	0705	0718	0732	0745	0759	0772
<b>2</b>	0786	0799	0813	0826	0840	0853	0866	0880	0893	0907
<b>3</b>	0920	0934	0947	0961	0974	0987	1001	1014	1028	1041
<b>4</b>	1055	1068	1081	1095	1108	1121	1135	1148	1162	1175
<b>5</b>	1188	1202	1215	1228	1242	1255	1268	1282	1295	1308
<b>6</b>	1322	1335	1348	1362	1375	1388	1402	1415	1428	1441
<b>7</b>	1455	1468	1481	1495	1508	1521	1534	1548	1561	1574
<b>8</b>	1587	1601	1614	1627	1640	1654	1667	1680	1693	1706
<b>9</b>	1720	1733	1746	1759	1772	1786	1799	1812	1825	1838
<b>330</b>	51851	51865	51878	51891	51904	51917	51930	51943	51957	51970
<b>1</b>	1983	1996	2009	2022	2035	2048	2061	2075	2088	2101
<b>2</b>	2114	2127	2140	2153	2166	2179	2192	2205	2218	2231
<b>3</b>	2244	2257	2270	2284	2297	2310	2323	2336	2349	2362
<b>4</b>	2375	2388	2401	2414	2427	2440	2453	2466	2479	2492
<b>5</b>	2504	2517	2530	2543	2556	2569	2582	2595	2608	2621
<b>6</b>	2634	2647	2660	2673	2686	2699	2711	2724	2737	2750
<b>7</b>	2763	2776	2789	2802	2815	2827	2840	2853	2866	2879
<b>8</b>	2892	2905	2917	2930	2943	2956	2969	2982	2994	3007
<b>9</b>	3020	3033	3046	3058	3071	3084	3097	3110	3122	3135
<b>340</b>	53148	53161	53173	53186	53199	53212	53224	53237	53250	53263
<b>1</b>	3275	3288	3301	3314	3326	3339	3352	3364	3377	3390
<b>2</b>	3403	3415	3428	3441	3453	3466	3479	3491	3504	3517
<b>3</b>	3529	3542	3555	3567	3580	3593	3605	3618	3631	3643
<b>4</b>	3656	3668	3681	3694	3706	3719	3732	3744	3757	3769
<b>5</b>	3782	3794	3807	3820	3832	3845	3857	3870	3882	3895
<b>6</b>	3908	3920	3933	3945	3958	3970	3983	3995	4008	4020
<b>7</b>	4033	4045	4058	4070	4083	4095	4108	4120	4133	4145
<b>8</b>	4158	4170	4183	4195	4208	4220	4233	4245	4258	4270
<b>9</b>	4283	4295	4307	4320	4332	4345	4357	4370	4382	4394
<b>350</b>	54407	54419	54432	54444	54456	54469	54481	54494	54506	54518



第四表 常用對數表

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350	54407	54419	54432	54444	54456	54469	54481	54494	54506	54518
1	4531	4543	4555	4568	4580	4593	4605	4617	4630	4642
2	4654	4667	4679	4691	4704	4716	4728	4741	4753	4765
3	4777	4790	4802	4814	4827	4839	4851	4864	4876	4888
4	4900	4913	4925	4937	4949	4962	4974	4986	4998	5011
5	5023	5035	5047	5060	5072	5084	5096	5108	5121	5133
6	5145	5157	5169	5182	5194	5206	5218	5230	5242	5255
7	5267	5279	5291	5303	5315	5328	5340	5352	5364	5376
8	5388	5400	5413	5425	5437	5449	5461	5473	5485	5497
9	5509	5522	5534	5546	5558	5570	5582	5594	5606	5618
360	55930	55942	55954	55966	55978	55991	56003	56015	56027	56039
1	5751	5763	5775	5787	5799	5811	5823	5835	5847	5859
2	5871	5883	5895	5907	5919	5931	5943	5955	5967	5979
3	5991	6003	6015	6027	6038	6050	6062	6074	6086	6098
4	6110	6122	6134	6146	6158	6170	6182	6194	6205	6217
5	6229	6241	6253	6265	6277	6289	6301	6312	6324	6336
6	6348	6360	6372	6384	6396	6407	6419	6431	6443	6455
7	6467	6478	6490	6502	6514	6526	6538	6549	6561	6573
8	6585	6597	6608	6620	6632	6644	6656	6667	6679	6691
9	6703	6714	6726	6738	6750	6761	6773	6785	6797	6808
370	6820	6832	6844	6855	6867	6879	6891	6902	6914	6926
1	6937	6949	6961	6972	6984	6996	7008	7019	7031	7043
2	7054	7066	7078	7089	7101	7113	7124	7136	7148	7160
3	7171	7183	7194	7206	7217	7229	7241	7252	7264	7276
4	7287	7299	7310	7322	7334	7345	7357	7368	7380	7392
5	7403	7415	7426	7438	7449	7461	7473	7484	7496	7507
6	7519	7530	7542	7553	7565	7576	7588	7600	7611	7623
7	7634	7646	7657	7669	7680	7692	7703	7715	7726	7738
8	7749	7761	7772	7784	7795	7807	7818	7830	7841	7852
9	7864	7875	7887	7898	7910	7921	7933	7944	7955	7967
380	7978	7990	8001	8013	8024	8035	8047	8058	8070	8081
1	8092	8104	8115	8127	8138	8149	8161	8172	8184	8195
2	8206	8218	8229	8240	8252	8263	8274	8286	8297	8309
3	8320	8331	8343	8354	8365	8377	8388	8399	8410	8422
4	8433	8444	8456	8467	8478	8490	8501	8512	8524	8535
5	8546	8557	8569	8580	8591	8602	8614	8625	8636	8647
6	8659	8670	8681	8692	8704	8715	8726	8737	8749	8760
7	8771	8782	8794	8805	8816	8827	8838	8850	8861	8872
8	8883	8894	8906	8917	8928	8939	8950	8961	8973	8984
9	8995	9006	9017	9028	9040	9051	9062	9073	9084	9095
390	9106	9118	9129	9140	9151	9162	9173	9184	9195	9207
1	9218	9229	9240	9251	9262	9273	9284	9295	9306	9318
2	9329	9340	9351	9362	9373	9384	9395	9406	9417	9428
3	9439	9450	9461	9472	9483	9494	9505	9517	9528	9539
4	9550	9561	9572	9583	9594	9605	9616	9627	9638	9649
5	9660	9671	9682	9693	9704	9715	9726	9737	9748	9759
6	9770	9781	9791	9802	9813	9824	9835	9846	9857	9868
7	9879	9890	9901	9912	9923	9934	9945	9956	9966	9977
8	9988	9999	60010	60021	60032	60043	60054	60065	60076	60088
9	60097	60108	0119	0150	0141	0152	0163	0173	0181	0195
400	60206	60217	60228	60239	60249	60260	60271	60282	60293	60304

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<b>400</b>	<b>60206</b>	<b>60217</b>	<b>60228</b>	<b>60289</b>	<b>60240</b>	<b>60260</b>	<b>60271</b>	<b>60282</b>	<b>60293</b>	<b>60304</b>
1	0314	0325	0330	0347	0358	0369	0379	0390	0401	0412
2	0423	0433	0444	0455	0466	0477	0487	0498	0509	0520
3	0531	0541	0552	0563	0574	0584	0595	0606	0617	0627
4	0638	0649	0660	0670	0681	0692	0703	0713	0724	0735
5	0746	0756	0767	0778	0788	0799	0810	0821	0831	0842
6	0853	0863	0874	0885	0895	0906	0917	0927	0938	0949
7	0959	0970	0981	0991	1002	1013	1023	1034	1045	1055
8	1066	1077	1087	1098	1109	1119	1130	1140	1151	1162
9	1172	1183	1194	1204	1215	1225	1236	1247	1257	1268
<b>410</b>	<b>61278</b>	<b>61289</b>	<b>61300</b>	<b>61310</b>	<b>61321</b>	<b>61331</b>	<b>61342</b>	<b>61352</b>	<b>61363</b>	<b>61374</b>
1	1384	1395	1405	1416	1426	1437	1448	1458	1469	1479
2	1490	1500	1511	1521	1532	1542	1553	1563	1574	1584
3	1595	1606	1616	1627	1637	1648	1658	1669	1679	1690
4	1700	1711	1721	1731	1742	1752	1763	1773	1784	1794
5	1805	1815	1826	1836	1847	1857	1868	1878	1888	1899
6	1909	1920	1930	1941	1951	1962	1972	1982	1993	2003
7	2014	2024	2034	2045	2055	2066	2076	2086	2097	2107
8	2118	2128	2138	2149	2159	2170	2180	2190	2201	2211
9	2221	2232	2242	2252	2263	2273	2284	2294	2304	2315
<b>420</b>	<b>62325</b>	<b>62335</b>	<b>62346</b>	<b>62356</b>	<b>62366</b>	<b>62377</b>	<b>62387</b>	<b>62397</b>	<b>62408</b>	<b>62418</b>
1	2428	2439	2449	2459	2469	2480	2490	2500	2511	2521
2	2531	2542	2552	2562	2572	2583	2593	2603	2613	2624
3	2634	2644	2655	2665	2675	2685	2696	2706	2716	2726
4	2737	2747	2757	2767	2778	2788	2798	2808	2818	2829
5	2839	2849	2859	2870	2880	2890	2900	2910	2921	2931
6	2941	2951	2961	2972	2982	2992	3002	3012	3022	3033
7	3043	3053	3063	3073	3083	3094	3104	3114	3124	3134
8	3144	3155	3165	3175	3185	3195	3205	3215	3225	3235
9	3246	3256	3266	3276	3286	3296	3306	3317	3327	3337
<b>430</b>	<b>63347</b>	<b>63357</b>	<b>63367</b>	<b>63377</b>	<b>63387</b>	<b>63397</b>	<b>63407</b>	<b>63417</b>	<b>63428</b>	<b>63438</b>
1	3448	3458	3468	3478	3488	3498	3508	3518	3528	3538
2	3548	3558	3568	3579	3589	3599	3609	3619	3629	3639
3	3649	3659	3669	3679	3689	3699	3709	3719	3729	3739
4	3749	3759	3769	3779	3789	3799	3809	3819	3829	3839
5	3849	3859	3869	3879	3889	3899	3909	3919	3929	3939
6	3949	3959	3969	3979	3988	3998	4008	4018	4028	4038
7	4048	4058	4068	4078	4088	4098	4108	4118	4128	4137
8	4147	4157	4167	4177	4187	4197	4207	4217	4227	4237
9	4246	4256	4266	4276	4286	4296	4306	4316	4326	4335
<b>440</b>	<b>64345</b>	<b>64355</b>	<b>64365</b>	<b>64375</b>	<b>64385</b>	<b>64395</b>	<b>64404</b>	<b>64414</b>	<b>64424</b>	<b>64434</b>
1	4444	4454	4464	4473	4483	4493	4503	4513	4523	4532
2	4542	4552	4562	4572	4582	4591	4601	4611	4621	4631
3	4640	4650	4660	4670	4680	4689	4699	4709	4719	4729
4	4738	4748	4758	4768	4777	4787	4797	4807	4816	4826
5	4836	4846	4856	4865	4875	4885	4895	4904	4914	4924
6	4933	4943	4953	4963	4972	4982	4992	5002	5011	5021
7	5031	5040	5050	5060	5070	5079	5089	5099	5108	5118
8	5128	5137	5147	5157	5167	5176	5186	5196	5205	5215
9	5225	5234	5244	5254	5263	5273	5283	5292	5302	5312
<b>450</b>	<b>65321</b>	<b>65331</b>	<b>65341</b>	<b>65350</b>	<b>65360</b>	<b>65369</b>	<b>65379</b>	<b>65389</b>	<b>65399</b>	<b>65408</b>

第四表 常用對數表

N	0	1	2	3	4	5	6	7	8	9
450	65321	65331	65341	65350	65360	65369	65379	65389	65398	65408
1	5418	5427	5437	5447	5456	5466	5475	5485	5495	5504
2	5514	5523	5533	5543	5552	5562	5571	5581	5591	5600
3	5610	5619	5629	5639	5648	5658	5667	5677	5686	5696
4	5706	5715	5725	5734	5744	5753	5763	5772	5782	5792
5	5801	5811	5820	5830	5839	5849	5858	5868	5877	5887
6	5896	5906	5916	5925	5935	5944	5954	5963	5973	5982
7	5992	6001	6011	6020	6030	6039	6049	6058	6068	6077
8	6087	6096	6106	6115	6124	6134	6143	6153	6162	6172
9	6181	6191	6200	6210	6219	6229	6238	6247	6257	6266
460	6276	6285	6295	6304	6314	6323	6332	6342	6351	6361
1	6370	6380	6389	6398	6408	6417	6427	6436	6445	6455
2	6464	6474	6483	6492	6502	6511	6521	6530	6539	6549
3	6558	6567	6577	6586	6596	6605	6614	6624	6633	6642
4	6652	6661	6671	6680	6689	6699	6708	6717	6727	6736
5	6745	6755	6764	6773	6783	6792	6801	6811	6820	6829
6	6839	6848	6857	6867	6876	6885	6894	6904	6913	6922
7	6932	6941	6950	6960	6969	6978	6987	6997	7006	7015
8	7025	7034	7043	7052	7062	7071	7080	7089	7099	7108
9	7117	7127	7136	7145	7154	7164	7173	7182	7191	7201
470	7210	7219	7228	7237	7247	7256	7265	7274	7284	7293
1	7302	7311	7321	7330	7339	7348	7357	7367	7376	7385
2	7394	7403	7413	7422	7431	7440	7449	7459	7468	7477
3	7486	7495	7504	7514	7523	7532	7541	7550	7560	7569
4	7578	7587	7596	7605	7614	7624	7633	7642	7651	7660
5	7669	7679	7688	7697	7706	7715	7724	7733	7742	7752
6	7761	7770	7779	7788	7797	7806	7815	7825	7834	7843
7	7852	7861	7870	7879	7888	7897	7906	7915	7925	7934
8	7943	7952	7961	7970	7979	7988	7997	8006	8015	8024
9	8034	8043	8052	8061	8070	8079	8088	8097	8106	8115
480	8124	8133	8142	8151	8160	8169	8178	8187	8196	8205
1	8215	8224	8233	8242	8251	8260	8269	8278	8287	8296
2	8305	8314	8323	8332	8341	8350	8359	8368	8377	8386
3	8395	8404	8413	8422	8431	8440	8449	8458	8467	8476
4	8485	8494	8502	8511	8520	8529	8538	8547	8556	8565
5	8574	8583	8592	8601	8610	8619	8628	8637	8646	8655
6	8664	8673	8681	8690	8699	8708	8717	8726	8735	8744
7	8753	8762	8771	8780	8789	8797	8806	8815	8824	8833
8	8842	8851	8860	8869	8878	8886	8895	8904	8913	8922
9	8931	8940	8949	8958	8966	8975	8984	8993	9002	9011
490	9020	9028	9037	9046	9055	9064	9073	9082	9090	9099
1	9108	9117	9126	9135	9144	9152	9161	9170	9179	9188
2	9197	9206	9214	9223	9232	9241	9249	9258	9267	9276
3	9285	9294	9302	9311	9320	9329	9338	9346	9355	9364
4	9373	9381	9390	9399	9408	9417	9425	9434	9443	9452
5	9461	9469	9478	9487	9496	9504	9513	9522	9531	9539
6	9548	9557	9566	9574	9583	9592	9601	9609	9618	9627
7	9636	9644	9653	9662	9671	9679	9688	9697	9705	9714
8	9723	9732	9740	9749	9758	9767	9775	9784	9793	9801
9	9810	9819	9827	9836	9845	9854	9862	9871	9880	9888
500	9897	9906	9914	9923	9932	9940	9949	9958	9966	9975

N	0	1	2	3	4	5	6	7	8	9
<b>500</b>	69897	69906	69914	69923	69932	69940	69949	69958	69966	69975
1	9984	9992	70001	70010	70018	70027	70036	70044	70053	70062
2	70070	70079	0088	0096	0105	0114	0122	0131	0140	0148
3	0157	0165	0174	0183	0191	0200	0209	0217	0226	0234
4	0243	0252	0260	0269	0278	0288	0295	0303	0312	0321
5	0329	0339	0348	0355	0364	0372	0381	0389	0398	0406
6	0415	0424	0432	0441	0449	0458	0467	0475	0484	0492
7	0501	0509	0518	0526	0535	0544	0552	0561	0569	0578
8	0586	0595	0603	0612	0621	0629	0638	0646	0655	0663
9	0672	0680	0689	0697	0706	0714	0723	0731	0740	0749
<b>510</b>	70757	70766	70774	70783	70791	70800	70808	70817	70825	70834
1	0842	0851	0859	0868	0876	0885	0893	0902	0910	0919
2	0927	0935	0944	0952	0961	0969	0978	0986	0995	1003
3	1012	1020	1029	1037	1046	1054	1063	1071	1079	1088
4	1096	1105	1113	1122	1130	1139	1147	1155	1164	1172
5	1181	1189	1198	1206	1214	1223	1231	1240	1248	1257
6	1265	1273	1282	1290	1299	1307	1315	1324	1332	1341
7	1349	1357	1366	1374	1383	1391	1399	1408	1416	1425
8	1433	1441	1450	1458	1466	1475	1483	1492	1500	1508
9	1517	1525	1533	1542	1550	1559	1567	1575	1584	1592
<b>520</b>	71600	71609	71617	71625	71634	71642	71650	71659	71667	71675
1	1684	1692	1700	1709	1717	1725	1734	1742	1750	1759
2	1767	1775	1784	1792	1800	1809	1817	1825	1834	1842
3	1850	1858	1867	1875	1883	1892	1900	1908	1917	1925
4	1933	1941	1950	1958	1966	1975	1983	1991	1999	2008
5	2016	2024	2032	2041	2049	2057	2066	2074	2082	2090
6	2099	2107	2115	2123	2132	2140	2148	2156	2165	2173
7	2181	2189	2198	2206	2214	2222	2230	2239	2247	2255
8	2283	2272	2280	2288	2296	2304	2313	2321	2329	2337
9	2346	2354	2362	2370	2378	2387	2395	2403	2411	2419
<b>530</b>	72428	72436	72444	72452	72460	72469	72477	72485	72493	72501
1	2509	2518	2526	2534	2542	2550	2558	2567	2575	2583
2	2591	2599	2607	2616	2624	2632	2640	2648	2656	2665
3	2673	2681	2689	2697	2705	2713	2722	2730	2738	2746
4	2754	2762	2770	2779	2787	2795	2803	2811	2819	2827
5	2835	2843	2852	2860	2868	2876	2884	2892	2900	2908
6	2916	2925	2933	2941	2949	2957	2965	2973	2981	2989
7	2997	3006	3014	3022	3030	3038	3046	3054	3062	3070
8	3078	3086	3094	3102	3111	3119	3127	3135	3143	3151
9	3159	3167	3175	3183	3191	3199	3207	3215	3223	3231
<b>540</b>	73239	73247	73255	73263	73272	73280	73288	73296	73304	73312
1	3320	3328	3336	3344	3352	3360	3368	3376	3384	3392
2	3400	3408	3416	3424	3432	3440	3448	3456	3464	3472
3	3480	3488	3496	3504	3512	3520	3528	3536	3544	3552
4	3560	3568	3576	3584	3592	3600	3608	3616	3624	3632
5	3640	3648	3656	3664	3672	3679	3687	3695	3703	3711
6	3719	3727	3735	3743	3751	3759	3767	3775	3783	3791
7	3799	3807	3815	3823	3830	3838	3846	3854	3862	3870
8	3878	3886	3894	3902	3910	3918	3926	3933	3941	3949
9	3957	3965	3973	3981	3989	3997	4005	4013	4020	4028
<b>550</b>	74036	74044	74052	74060	74068	74076	74084	74092	74099	74107

第四表 常用對數表

N	0	1	2	3	4	5	6	7	8	9
550	74036	74044	74052	74060	74068	74076	74084	74092	74099	74107
1	4115	4123	4131	4139	4147	4155	4162	4170	4178	4186
2	4194	4202	4210	4218	4225	4233	4241	4249	4257	4265
3	4273	4280	4288	4296	4304	4312	4320	4327	4335	4343
4	4351	4359	4367	4374	4382	4390	4398	4406	4414	4421
5	4429	4437	4445	4453	4461	4468	4476	4484	4492	4500
6	4507	4515	4523	4531	4539	4547	4554	4562	4570	4578
7	4586	4593	4601	4609	4617	4624	4632	4640	4648	4656
8	4663	4671	4679	4687	4695	4702	4710	4718	4726	4733
9	4741	4749	4757	4764	4772	4780	4788	4796	4803	4811
560	74819	74827	74834	74842	74850	74858	74865	74873	74881	74889
1	4896	4904	4912	4920	4927	4935	4943	4950	4958	4966
2	4974	4981	4989	4997	5005	5012	5020	5028	5035	5043
3	5051	5059	5066	5074	5082	5089	5097	5105	5113	5120
4	5128	5136	5143	5151	5159	5166	5174	5182	5189	5197
5	5205	5213	5220	5228	5236	5243	5251	5259	5266	5274
6	5282	5289	5297	5305	5312	5320	5328	5335	5343	5351
7	5358	5366	5374	5381	5389	5397	5404	5412	5420	5427
8	5435	5442	5450	5458	5465	5473	5481	5488	5496	5504
9	5511	5519	5526	5534	5542	5549	5557	5565	5572	5580
570	75587	75595	75603	75610	75618	75626	75633	75641	75648	75656
1	5684	5691	5699	5706	5714	5722	5730	5737	5745	5753
2	5740	5747	5755	5762	5770	5778	5785	5793	5800	5808
3	5815	5823	5831	5838	5846	5853	5861	5868	5876	5884
4	5891	5899	5906	5914	5921	5929	5937	5944	5952	5959
5	5967	5974	5982	5989	5997	6005	6012	6020	6027	6035
6	6042	6050	6057	6065	6072	6080	6087	6095	6103	6110
7	6118	6125	6133	6140	6148	6155	6163	6170	6178	6185
8	6193	6200	6208	6215	6223	6230	6238	6245	6253	6260
9	6268	6275	6283	6290	6298	6305	6313	6320	6328	6335
590	76343	76350	76358	76365	76373	76380	76388	76395	76403	76410
1	6418	6425	6433	6440	6448	6455	6462	6470	6477	6485
2	6492	6500	6507	6515	6522	6530	6537	6545	6552	6559
3	6567	6574	6582	6589	6597	6604	6612	6619	6626	6634
4	6641	6649	6656	6664	6671	6678	6686	6693	6701	6708
5	6716	6723	6730	6738	6745	6753	6760	6768	6775	6782
6	6790	6797	6805	6812	6819	6827	6834	6842	6849	6856
7	6864	6871	6879	6886	6893	6901	6908	6916	6923	6930
8	6938	6945	6953	6960	6967	6975	6982	6989	6997	7004
9	7012	7019	7026	7034	7041	7048	7056	7063	7070	7078
590	77085	77093	77100	77107	77115	77122	77129	77137	77144	77151
1	7159	7166	7173	7181	7188	7195	7203	7210	7217	7225
2	7232	7240	7247	7254	7262	7269	7276	7283	7291	7298
3	7305	7313	7320	7327	7335	7342	7349	7357	7364	7371
4	7379	7386	7393	7401	7408	7415	7422	7430	7437	7444
5	7452	7459	7466	7474	7481	7488	7495	7503	7510	7517
6	7525	7532	7539	7546	7554	7561	7568	7576	7583	7590
7	7597	7605	7612	7619	7627	7634	7641	7648	7656	7663
8	7670	7677	7685	7692	7699	7706	7714	7721	7728	7735
9	7743	7750	7757	7764	7772	7779	7786	7793	7801	7808
600	77815	77822	77830	77837	77844	77851	77859	77866	77873	77880

N	0	1	2	3	4	5	6	7	8	9
<b>600</b>	77815	77822	77830	77837	77844	77851	77859	77866	77873	77880
1	7887	7895	7902	7909	7916	7924	7931	7938	7945	7952
2	7960	7967	7974	7981	7988	7996	8003	8010	8017	8025
3	8032	8039	8046	8053	8061	8068	8075	8082	8089	8097
4	8104	8111	8118	8125	8132	8140	8147	8154	8161	8168
5	8176	8183	8190	8197	8204	8211	8219	8226	8233	8240
6	8247	8254	8262	8269	8276	8283	8290	8297	8305	8312
7	8319	8326	8333	8340	8347	8355	8362	8369	8376	8383
8	8390	8398	8405	8412	8419	8426	8433	8440	8447	8455
9	8462	8469	8476	8483	8490	8497	8504	8512	8519	8526
<b>610</b>	78533	78540	78547	78554	78561	78569	78576	78583	78590	78597
1	8004	8011	8018	8025	8033	8040	8047	8054	8061	8068
2	8075	8082	8089	8096	8104	8111	8118	8125	8132	8139
3	8146	8153	8160	8167	8174	8181	8189	8196	8203	8210
4	8217	8224	8231	8238	8245	8252	8259	8266	8273	8280
5	8288	8295	8302	8309	8316	8323	8330	8337	8344	8351
6	8358	8365	8372	8379	8386	8393	8400	8407	8414	8421
7	8429	8436	8443	8450	8457	8464	8471	8478	8485	8492
8	8499	8506	8513	8520	8527	8534	8541	8548	8555	8562
9	8569	8576	8583	8590	8597	8604	8611	8618	8625	8632
<b>620</b>	79230	79246	79253	79260	79267	79274	79281	79288	79295	79302
1	9309	9316	9323	9330	9337	9344	9351	9358	9365	9372
2	9379	9386	9393	9400	9407	9414	9421	9428	9435	9442
3	9449	9456	9463	9470	9477	9484	9491	9498	9505	9511
4	9518	9525	9532	9539	9546	9553	9560	9567	9574	9581
5	9588	9595	9602	9609	9616	9623	9630	9637	9644	9650
6	9657	9664	9671	9678	9685	9692	9699	9706	9713	9720
7	9727	9734	9741	9748	9754	9761	9768	9775	9782	9789
8	9796	9803	9810	9817	9824	9831	9837	9844	9851	9858
9	9865	9872	9879	9886	9893	9900	9906	9913	9920	9927
<b>630</b>	79934	79941	79948	79955	79962	79969	79976	79982	79989	79996
1	80003	80010	80017	80024	80030	80037	80044	80051	80058	80065
2	0072	0079	0085	0092	0099	0106	0113	0120	0127	0134
3	0140	0147	0154	0161	0168	0175	0182	0188	0195	0202
4	0209	0216	0223	0229	0236	0243	0250	0257	0264	0271
5	0277	0284	0291	0298	0305	0312	0318	0325	0332	0339
6	0346	0353	0359	0366	0373	0380	0387	0393	0400	0407
7	0414	0421	0428	0434	0441	0448	0455	0462	0468	0475
8	0482	0489	0496	0502	0509	0516	0523	0530	0536	0543
9	0550	0557	0564	0570	0577	0584	0591	0598	0604	0611
<b>640</b>	80618	80625	80632	80638	80645	80652	80659	80665	80672	80679
1	0686	0693	0699	0703	0713	0720	0728	0733	0740	0747
2	0754	0760	0767	0774	0781	0787	0794	0801	0808	0814
3	0821	0828	0835	0841	0848	0855	0862	0868	0875	0882
4	0889	0895	0902	0909	0916	0922	0929	0936	0943	0949
5	0955	0963	0969	0976	0983	0990	0996	1003	1010	1017
6	1023	1030	1037	1043	1050	1057	1064	1070	1077	1084
7	1090	1097	1104	1111	1117	1124	1131	1137	1144	1151
8	1158	1164	1171	1178	1184	1191	1198	1204	1211	1218
9	1224	1231	1238	1245	1251	1258	1265	1271	1278	1285
<b>650</b>	81291	81298	81305	81311	81318	81325	81331	81338	81345	81351

第四表 常用對數表

N	0	1	2	3	4	5	6	7	8	9
<b>650</b>	81291	81298	81305	81311	81318	81325	81331	81338	81345	81351
1	1368	1365	1371	1378	1385	1391	1398	1405	1411	1418
2	1425	1431	1438	1445	1451	1458	1465	1471	1478	1485
3	1491	1498	1505	1511	1518	1525	1531	1538	1544	1551
4	1558	1564	1571	1578	1584	1591	1598	1604	1611	1617
5	1624	1631	1637	1644	1651	1657	1664	1671	1677	1684
6	1690	1697	1704	1710	1717	1723	1730	1737	1743	1750
7	1757	1763	1770	1776	1783	1790	1796	1803	1809	1816
8	1823	1829	1836	1842	1849	1856	1862	1869	1875	1882
9	1889	1895	1902	1908	1915	1921	1928	1935	1941	1948
<b>660</b>	81954	81961	81968	81974	81981	81987	81994	82000	82007	82014
1	2020	2027	2033	2040	2046	2053	2060	2066	2073	2079
2	2086	2092	2099	2105	2112	2119	2125	2132	2138	2145
3	2151	2158	2164	2171	2178	2184	2191	2197	2204	2210
4	2217	2223	2230	2236	2243	2249	2256	2263	2269	2276
5	2282	2289	2295	2302	2308	2315	2321	2328	2334	2341
6	2347	2354	2360	2367	2373	2380	2387	2393	2400	2406
7	2413	2419	2426	2432	2439	2445	2452	2458	2465	2471
8	2478	2484	2491	2497	2504	2510	2517	2523	2530	2536
9	2543	2549	2555	2562	2569	2575	2582	2588	2595	2601
<b>670</b>	82607	82614	82620	82627	82633	82640	82646	82653	82659	82666
1	2672	2679	2685	2692	2698	2705	2711	2718	2724	2730
2	2737	2743	2750	2756	2763	2769	2776	2782	2789	2795
3	2802	2808	2814	2821	2827	2834	2840	2847	2853	2860
4	2867	2872	2879	2885	2892	2898	2905	2911	2918	2924
5	2930	2937	2943	2950	2956	2963	2969	2975	2982	2988
6	2995	3001	3008	3014	3020	3027	3033	3040	3046	3052
7	3059	3065	3072	3078	3085	3091	3097	3104	3110	3117
8	3123	3129	3136	3142	3149	3155	3161	3168	3174	3181
9	3187	3193	3200	3206	3213	3219	3225	3232	3238	3245
<b>680</b>	83261	83267	83274	83279	83286	83293	83299	83306	83312	83318
1	3315	3321	3327	3334	3340	3347	3353	3359	3366	3372
2	3378	3385	3391	3398	3404	3410	3417	3423	3429	3436
3	3442	3448	3455	3461	3467	3474	3480	3487	3493	3499
4	3506	3512	3518	3525	3531	3537	3544	3550	3556	3563
5	3569	3575	3582	3588	3594	3601	3607	3613	3620	3626
6	3632	3639	3645	3651	3658	3664	3670	3677	3683	3689
7	3696	3702	3708	3715	3721	3727	3734	3740	3746	3753
8	3759	3765	3771	3778	3784	3790	3797	3803	3809	3816
9	3822	3828	3835	3841	3847	3853	3860	3866	3872	3879
<b>690</b>	83885	83891	83897	83904	83910	83916	83923	83929	83935	83942
1	3948	3954	3960	3967	3973	3979	3985	3992	3998	4004
2	4011	4017	4023	4029	4036	4042	4048	4055	4061	4067
3	4073	4080	4086	4092	4098	4105	4111	4117	4123	4130
4	4136	4142	4148	4155	4161	4167	4173	4180	4186	4192
5	4198	4205	4211	4217	4223	4230	4236	4242	4248	4255
6	4261	4267	4273	4280	4286	4292	4298	4305	4311	4317
7	4323	4330	4336	4342	4348	4354	4361	4367	4373	4379
8	4386	4392	4398	4404	4410	4417	4423	4429	4435	4442
9	4448	4454	4460	4466	4473	4479	4485	4491	4497	4504
<b>700</b>	84510	84516	84522	84528	84535	84541	84547	84553	84559	84566

N	0	1	2	3	4	5	6	7	8	9
<b>700</b>	84610	84516	84522	84628	84535	84541	84547	84553	84559	84566
1	4572	4678	4684	4690	4697	4603	4609	4615	4621	4628
2	4634	4640	4646	4652	4658	4665	4671	4677	4683	4689
3	4696	4702	4708	4714	4720	4726	4733	4739	4745	4751
4	4757	4763	4770	4776	4782	4788	4794	4800	4807	4813
5	4819	4825	4831	4837	4844	4850	4856	4862	4868	4874
6	4880	4887	4893	4899	4905	4911	4917	4924	4930	4936
7	4942	4948	4954	4960	4967	4973	4979	4985	4991	4997
8	5003	5009	5016	5022	5028	5034	5040	5046	5052	5058
9	5065	5071	5077	5083	5089	5095	5101	5107	5114	5120
<b>710</b>	85126	85132	85138	85144	85160	85166	85163	85169	85175	85181
1	5187	5193	5199	5205	5211	5217	5224	5230	5236	5242
2	5248	5254	5260	5266	5272	5278	5285	5291	5297	5303
3	5309	5315	5321	5327	5333	5339	5345	5352	5358	5364
4	5370	5376	5382	5388	5394	5400	5406	5412	5418	5425
5	5431	5437	5443	5449	5455	5461	5467	5473	5479	5485
6	5491	5497	5503	5509	5516	5522	5528	5534	5540	5546
7	5552	5558	5564	5570	5576	5582	5588	5594	5600	5606
8	5612	5618	5625	5631	5637	5643	5649	5655	5661	5667
9	5673	5679	5685	5691	5697	5703	5709	5715	5721	5727
<b>720</b>	85733	85739	85745	85751	85767	85763	85769	85775	85781	85788
1	5794	5800	5806	5812	5818	5824	5830	5836	5842	5848
2	5854	5860	5866	5872	5878	5884	5890	5896	5902	5908
3	5914	5920	5926	5932	5938	5944	5950	5956	5962	5968
4	5974	5980	5986	5992	5998	6004	6010	6016	6022	6028
5	6034	6040	6046	6052	6058	6064	6070	6076	6082	6088
6	6094	6100	6106	6112	6118	6124	6130	6136	6141	6147
7	6153	6159	6165	6171	6177	6183	6189	6195	6201	6207
8	6213	6219	6225	6231	6237	6243	6249	6255	6261	6267
9	6273	6279	6285	6291	6297	6303	6308	6314	6320	6326
<b>730</b>	86332	86338	86344	86350	86356	86362	86368	86374	86380	86386
1	6392	6398	6404	6410	6415	6421	6427	6433	6439	6445
2	6451	6457	6463	6469	6475	6481	6487	6493	6499	6504
3	6510	6516	6522	6528	6534	6540	6546	6552	6558	6564
4	6570	6576	6581	6587	6593	6599	6605	6611	6617	6623
5	6629	6635	6641	6646	6652	6658	6664	6670	6676	6682
6	6688	6694	6700	6705	6711	6717	6723	6729	6735	6741
7	6747	6753	6759	6764	6770	6776	6782	6788	6794	6800
8	6806	6812	6817	6823	6829	6835	6841	6847	6853	6859
9	6864	6870	6876	6882	6888	6894	6900	6906	6911	6917
<b>740</b>	86923	86929	86935	86941	86947	86953	86958	86964	86970	86976
1	6982	6988	6994	6999	7005	7011	7017	7023	7029	7035
2	7040	7046	7052	7058	7064	7070	7075	7081	7087	7093
3	7099	7105	7111	7116	7122	7128	7134	7140	7146	7151
4	7157	7163	7169	7175	7181	7186	7192	7198	7204	7210
5	7216	7221	7227	7233	7239	7245	7251	7256	7262	7268
6	7274	7280	7285	7291	7297	7303	7309	7315	7320	7326
7	7332	7338	7344	7349	7355	7361	7367	7373	7379	7384
8	7390	7396	7402	7408	7413	7419	7425	7431	7437	7442
9	7448	7454	7460	7466	7471	7477	7483	7489	7495	7500
<b>750</b>	87606	87612	87618	87623	87629	87635	87641	87647	87652	87658



第四表 常用對數表

N	0	1	2	3	4	5	6	7	8	9
<b>750</b>	87503	87512	87519	87523	87529	87535	87541	87547	87552	87559
1	7564	7570	7576	7581	7587	7593	7599	7604	7610	7616
2	7622	7628	7633	7639	7645	7651	7656	7662	7668	7674
3	7679	7685	7691	7697	7703	7708	7714	7720	7726	7731
4	7737	7743	7749	7754	7760	7766	7772	7777	7783	7789
5	7795	7800	7806	7812	7818	7823	7829	7835	7841	7846
6	7852	7858	7864	7869	7875	7881	7887	7892	7898	7904
7	7910	7915	7921	7927	7933	7938	7944	7950	7955	7961
8	7967	7973	7978	7984	7990	7996	8001	8007	8013	8018
9	8024	8030	8036	8041	8047	8053	8058	8064	8070	8076
<b>760</b>	88081	88087	88093	88098	88104	88110	88116	88121	88127	88133
1	8138	8144	8150	8156	8161	8167	8173	8178	8184	8190
2	8195	8201	8207	8213	8218	8224	8230	8235	8241	8247
3	8252	8258	8264	8270	8275	8281	8287	8292	8298	8304
4	8309	8315	8321	8326	8332	8338	8343	8349	8355	8360
5	8366	8372	8377	8383	8389	8395	8400	8406	8412	8417
6	8423	8429	8434	8440	8446	8451	8457	8463	8468	8474
7	8480	8485	8491	8497	8502	8508	8513	8519	8525	8530
8	8536	8542	8547	8553	8559	8564	8570	8576	8581	8587
9	8593	8598	8604	8610	8615	8621	8627	8632	8638	8643
<b>770</b>	88649	88655	88660	88666	88672	88677	88683	88689	88694	88700
1	8705	8711	8717	8722	8728	8734	8739	8745	8750	8756
2	8762	8767	8773	8779	8784	8790	8795	8801	8807	8812
3	8818	8824	8829	8835	8840	8846	8852	8857	8863	8868
4	8874	8880	8885	8891	8897	8902	8908	8913	8919	8925
5	8930	8936	8941	8947	8953	8958	8964	8969	8975	8981
6	8986	8992	8997	9003	9009	9014	9020	9025	9031	9037
7	9042	9048	9053	9059	9064	9070	9076	9081	9087	9092
8	9098	9104	9109	9115	9120	9126	9131	9137	9143	9148
9	9154	9159	9165	9170	9176	9182	9187	9192	9198	9204
<b>780</b>	89200	89215	89221	89226	89232	89237	89243	89248	89254	89260
1	9265	9271	9276	9282	9287	9293	9298	9304	9310	9315
2	9321	9326	9332	9337	9343	9348	9354	9360	9365	9371
3	9376	9382	9387	9393	9398	9404	9409	9415	9421	9426
4	9432	9437	9443	9448	9454	9459	9465	9470	9476	9481
5	9487	9492	9498	9504	9509	9515	9520	9526	9531	9537
6	9542	9548	9553	9559	9564	9570	9576	9581	9586	9592
7	9597	9603	9609	9614	9620	9625	9631	9636	9642	9647
8	9653	9658	9664	9669	9675	9680	9686	9691	9697	9702
9	9708	9713	9719	9724	9730	9735	9741	9746	9752	9757
<b>790</b>	89763	89768	89774	89779	89785	89790	89796	89801	89807	89812
1	9818	9823	9829	9834	9840	9845	9851	9856	9862	9867
2	9873	9878	9883	9889	9894	9900	9905	9911	9916	9922
3	9927	9933	9938	9944	9949	9955	9960	9966	9971	9977
4	9982	9988	9993	9998	0004	0009	0015	0020	0026	0031
5	0037	0042	0048	0053	0059	0064	0069	0075	0080	0086
6	0091	0097	0102	0108	0113	0119	0124	0129	0135	0140
7	0145	0151	0157	0162	0168	0173	0179	0184	0189	0195
8	0200	0206	0211	0217	0222	0227	0233	0238	0244	0249
9	0255	0260	0266	0271	0276	0282	0287	0293	0298	0304
<b>800</b>	90309	90314	90320	90325	90331	90336	90342	90347	90352	90358

N	0	1	2	3	4	5	6	7	8	9
<b>800</b>	90309	90314	90320	90325	90331	90336	90342	90347	90352	90358
1	0363	0369	0374	0380	0385	0390	0396	0401	0407	0412
2	0417	0423	0428	0434	0439	0445	0450	0455	0461	0466
3	0472	0477	0482	0488	0493	0499	0504	0509	0515	0520
4	0526	0531	0536	0542	0547	0553	0558	0563	0569	0574
5	0580	0585	0590	0596	0601	0607	0612	0617	0623	0628
6	0634	0639	0644	0650	0655	0660	0666	0671	0677	0682
7	0687	0693	0698	0703	0709	0714	0720	0725	0730	0736
8	0741	0747	0752	0757	0763	0768	0773	0779	0784	0789
9	0795	0800	0806	0811	0816	0822	0827	0832	0838	0843
<b>810</b>	90349	90854	90859	90865	90870	90875	90881	90886	90891	90897
1	0902	0907	0913	0918	0924	0929	0934	0940	0945	0950
2	0956	0961	0966	0972	0977	0982	0988	0993	0998	1004
3	1009	1014	1020	1025	1030	1036	1041	1046	1052	1057
4	1062	1068	1073	1078	1084	1089	1094	1100	1105	1110
5	1116	1121	1126	1132	1137	1142	1148	1153	1158	1164
6	1169	1174	1180	1185	1190	1196	1201	1206	1212	1217
7	1222	1228	1233	1238	1243	1249	1254	1259	1265	1270
8	1275	1281	1286	1291	1297	1302	1307	1312	1318	1323
9	1328	1334	1339	1344	1350	1355	1360	1365	1371	1376
<b>820</b>	91381	91387	91392	91397	91403	91408	91413	91418	91424	91429
1	1434	1440	1445	1450	1455	1461	1466	1471	1477	1482
2	1487	1492	1498	1503	1508	1514	1519	1524	1529	1535
3	1540	1545	1551	1556	1561	1566	1572	1577	1582	1587
4	1593	1598	1603	1609	1614	1619	1624	1630	1635	1640
5	1645	1651	1656	1661	1666	1672	1677	1682	1687	1693
6	1698	1703	1709	1714	1719	1724	1730	1735	1740	1745
7	1751	1756	1761	1766	1772	1777	1782	1787	1793	1798
8	1803	1808	1814	1819	1824	1829	1834	1840	1845	1850
9	1855	1861	1866	1871	1876	1882	1887	1892	1897	1903
<b>830</b>	91908	91913	91918	91924	91929	91934	91939	91944	91950	91955
1	1960	1965	1971	1976	1981	1986	1991	1997	2002	2007
2	2012	2018	2023	2028	2033	2038	2044	2049	2054	2059
3	2065	2070	2075	2080	2085	2091	2096	2101	2106	2111
4	2117	2122	2127	2132	2137	2143	2148	2153	2158	2163
5	2169	2174	2179	2184	2189	2195	2200	2205	2210	2215
6	2221	2226	2231	2236	2241	2247	2252	2257	2262	2267
7	2273	2278	2283	2288	2293	2298	2304	2309	2314	2319
8	2324	2330	2335	2340	2345	2350	2355	2361	2365	2371
9	2376	2381	2387	2392	2397	2402	2407	2412	2418	2423
<b>840</b>	92428	92433	92438	92443	92449	92454	92459	92464	92469	92474
1	2480	2485	2490	2495	2500	2505	2511	2516	2521	2526
2	2531	2536	2542	2547	2552	2557	2562	2567	2572	2578
3	2583	2588	2593	2598	2603	2609	2614	2619	2624	2629
4	2634	2639	2645	2650	2655	2660	2665	2670	2675	2681
5	2686	2691	2696	2701	2706	2711	2716	2722	2727	2732
6	2737	2742	2747	2752	2758	2763	2768	2773	2778	2783
7	2788	2793	2799	2804	2809	2814	2819	2824	2829	2834
8	2840	2845	2850	2855	2860	2865	2870	2875	2881	2886
9	2891	2896	2901	2906	2911	2916	2921	2927	2932	2937
<b>850</b>	92942	92947	92952	92957	92962	92967	92973	92978	92983	92988

第四表 常用對數表

N	0	1	2	3	4	5	6	7	8	9
<b>850</b>	02042	02047	02052	02057	02062	02067	02073	02078	02083	02088
1	2903	2908	3003	3008	3013	3018	3024	3029	3034	3039
2	3044	3049	3054	3059	3064	3069	3075	3080	3085	3090
3	3095	3100	3105	3110	3115	3120	3125	3131	3136	3141
4	3146	3151	3156	3161	3166	3171	3176	3181	3186	3192
5	3197	3202	3207	3212	3217	3222	3227	3232	3237	3242
6	3247	3252	3258	3263	3268	3273	3278	3283	3288	3293
7	3298	3303	3308	3313	3318	3323	3328	3334	3339	3344
8	3349	3354	3359	3364	3369	3374	3379	3384	3389	3394
9	3399	3404	3409	3414	3420	3425	3430	3435	3440	3445
<b>860</b>	03450	03455	03460	03465	03470	03475	03480	03485	03490	03495
1	3500	3505	3510	3515	3520	3525	3531	3536	3541	3546
2	3551	3556	3561	3566	3571	3576	3581	3586	3591	3596
3	3601	3606	3611	3616	3621	3626	3631	3636	3641	3646
4	3651	3656	3661	3666	3671	3676	3682	3687	3692	3697
5	3702	3707	3712	3717	3722	3727	3732	3737	3742	3747
6	3752	3757	3762	3767	3772	3777	3782	3787	3792	3797
7	3802	3807	3812	3817	3822	3827	3832	3837	3842	3847
8	3852	3857	3862	3867	3872	3877	3882	3887	3892	3897
9	3902	3907	3912	3917	3922	3927	3932	3937	3942	3947
<b>870</b>	03952	03957	03962	03967	03972	03977	03982	03987	03992	03997
1	4002	4007	4012	4017	4022	4027	4032	4037	4042	4047
2	4052	4057	4062	4067	4072	4077	4082	4086	4091	4096
3	4101	4106	4111	4116	4121	4126	4131	4136	4141	4146
4	4151	4156	4161	4166	4171	4176	4181	4186	4191	4196
5	4201	4206	4211	4216	4221	4226	4231	4236	4240	4245
6	4250	4255	4260	4265	4270	4275	4280	4285	4290	4295
7	4300	4305	4310	4315	4320	4325	4330	4335	4340	4345
8	4349	4354	4359	4364	4369	4374	4379	4384	4389	4394
9	4399	4404	4409	4414	4419	4424	4429	4433	4438	4443
<b>880</b>	04448	04453	04458	04463	04468	04473	04478	04483	04488	04493
1	4498	4503	4507	4512	4517	4522	4527	4532	4537	4542
2	4547	4552	4557	4562	4567	4571	4576	4581	4586	4591
3	4596	4601	4606	4611	4616	4621	4626	4630	4635	4640
4	4645	4650	4655	4660	4665	4670	4675	4680	4685	4689
5	4694	4699	4704	4709	4714	4719	4724	4729	4734	4738
6	4743	4748	4753	4758	4763	4768	4773	4778	4783	4787
7	4792	4797	4802	4807	4812	4817	4822	4827	4832	4836
8	4841	4846	4851	4856	4861	4866	4871	4876	4880	4885
9	4890	4895	4900	4905	4910	4915	4919	4924	4929	4934
<b>890</b>	04939	04944	04949	04954	04959	04963	04968	04973	04978	04983
1	4988	4993	4998	5002	5007	5012	5017	5022	5027	5032
2	5036	5041	5046	5051	5056	5061	5066	5071	5075	5080
3	5085	5090	5095	5100	5105	5109	5114	5119	5124	5129
4	5134	5139	5143	5148	5153	5158	5163	5168	5173	5177
5	5182	5187	5192	5197	5202	5207	5211	5216	5221	5226
6	5231	5236	5240	5245	5250	5255	5260	5265	5270	5274
7	5279	5284	5289	5294	5299	5303	5308	5313	5318	5323
8	5328	5332	5337	5342	5347	5352	5357	5361	5366	5371
9	5376	5381	5386	5390	5395	5400	5405	5410	5415	5419
<b>900</b>	05424	05429	05434	05439	05444	05448	05453	05458	05463	05468

N	0	1	2	3	4	5	6	7	8	9
<b>900</b>	95424	95429	95434	95439	95444	95448	95453	95458	95463	95468
1	6472	6477	6482	6487	6492	6497	6501	6506	6511	6516
2	6521	6525	6530	6535	6540	6545	6550	6554	6559	6564
3	6569	6574	6578	6583	6588	6593	6598	6602	6607	6612
4	6617	6622	6626	6631	6636	6641	6646	6650	6655	6660
5	6665	6670	6674	6679	6684	6689	6694	6698	6703	6708
6	6713	6718	6722	6727	6732	6737	6742	6746	6751	6756
7	6761	6766	6770	6775	6780	6785	6789	6794	6799	6804
8	6809	6813	6818	6823	6828	6832	6837	6842	6847	6852
9	6856	6861	6866	6871	6875	6880	6885	6890	6895	6899
<b>910</b>	95904	95909	95914	95918	95923	95928	95933	95938	95942	95947
1	5952	5957	5961	5966	5971	5976	5980	5985	5990	5995
2	6000	6004	6009	6014	6019	6023	6028	6033	6038	6042
3	6047	6052	6057	6061	6066	6071	6076	6080	6085	6090
4	6095	6099	6104	6109	6114	6118	6123	6128	6133	6137
5	6142	6147	6152	6156	6161	6166	6171	6175	6180	6185
6	6190	6194	6199	6204	6209	6213	6218	6223	6227	6232
7	6237	6242	6246	6251	6256	6261	6265	6270	6275	6280
8	6284	6289	6294	6298	6303	6308	6313	6317	6322	6327
9	6332	6336	6341	6346	6350	6355	6360	6365	6369	6374
<b>920</b>	96379	96384	96388	96393	96398	96402	96407	96412	96417	96421
1	6426	6431	6435	6440	6445	6450	6454	6459	6464	6468
2	6473	6478	6483	6487	6492	6497	6501	6506	6511	6516
3	6520	6525	6530	6534	6539	6544	6548	6553	6558	6562
4	6567	6572	6577	6581	6586	6591	6595	6600	6605	6609
5	6614	6619	6624	6628	6633	6638	6642	6647	6652	6656
6	6661	6666	6670	6675	6680	6685	6689	6694	6699	6703
7	6708	6713	6717	6722	6727	6731	6736	6741	6745	6750
8	6755	6759	6764	6769	6774	6778	6783	6788	6792	6797
9	6802	6806	6811	6816	6820	6825	6830	6834	6839	6844
<b>930</b>	96848	96853	96858	96862	96867	96872	96876	96881	96886	96890
1	6895	6900	6904	6909	6914	6918	6923	6928	6932	6937
2	6942	6946	6951	6956	6960	6965	6970	6974	6979	6984
3	6988	6993	6997	7002	7007	7011	7016	7021	7025	7030
4	7035	7039	7044	7049	7053	7058	7063	7067	7072	7077
5	7081	7086	7090	7095	7100	7104	7109	7114	7118	7123
6	7128	7132	7137	7142	7146	7151	7155	7160	7165	7169
7	7174	7179	7183	7188	7192	7197	7202	7206	7211	7216
8	7220	7225	7230	7234	7239	7243	7248	7253	7257	7262
9	7267	7271	7276	7280	7285	7290	7294	7299	7304	7308
<b>940</b>	97313	97317	97322	97327	97331	97336	97340	97345	97350	97354
1	7359	7364	7368	7373	7377	7382	7387	7391	7396	7400
2	7405	7410	7414	7419	7424	7428	7433	7437	7442	7447
3	7451	7456	7460	7465	7470	7474	7479	7483	7488	7493
4	7497	7502	7506	7511	7516	7520	7525	7529	7534	7539
5	7543	7548	7552	7557	7562	7566	7571	7575	7580	7585
6	7589	7594	7598	7603	7607	7612	7617	7621	7626	7630
7	7635	7640	7644	7649	7653	7658	7663	7667	7672	7676
8	7681	7686	7690	7695	7699	7704	7708	7713	7717	7722
9	7727	7731	7736	7740	7745	7749	7754	7759	7763	7768
<b>950</b>	97772	97777	97782	97786	97791	97795	97800	97804	97809	97813

第四表 常用對數表

N	0	1	2	3	4	5	6	7	8	9
950	07772	07777	07782	07786	07791	07795	07800	07804	07809	07813
1	7818	7823	7827	7832	7836	7841	7845	7850	7854	7859
2	7864	7868	7873	7877	7882	7886	7891	7896	7900	7905
3	7909	7914	7918	7923	7928	7932	7937	7941	7946	7950
4	7955	7959	7964	7968	7973	7978	7982	7987	7991	7996
5	8000	8005	8009	8014	8019	8023	8028	8032	8037	8041
6	8046	8050	8055	8059	8064	8068	8073	8078	8082	8087
7	8091	8096	8100	8105	8109	8114	8118	8123	8127	8132
8	8137	8141	8146	8150	8155	8159	8164	8168	8173	8177
9	8182	8186	8191	8195	8200	8204	8209	8214	8218	8223
960	08227	08232	08236	08241	08245	08250	08254	08259	08263	08268
1	8272	8277	8281	8286	8290	8295	8299	8304	8308	8313
2	8319	8322	8327	8331	8336	8340	8345	8349	8354	8358
3	8363	8367	8372	8376	8381	8385	8390	8394	8399	8403
4	8408	8412	8417	8421	8426	8430	8435	8439	8444	8448
5	8453	8457	8462	8466	8471	8475	8480	8484	8489	8493
6	8498	8502	8507	8511	8516	8520	8525	8529	8534	8538
7	8543	8547	8552	8556	8561	8565	8570	8574	8579	8583
8	8588	8592	8597	8601	8605	8610	8614	8619	8623	8628
9	8632	8637	8641	8646	8650	8655	8659	8664	8668	8673
970	08677	08682	08686	08691	08695	08700	08704	08709	08713	08717
1	8722	8726	8731	8735	8740	8744	8749	8753	8758	8762
2	8767	8771	8776	8780	8784	8789	8793	8798	8802	8807
3	8811	8816	8820	8825	8829	8834	8838	8843	8847	8851
4	8856	8860	8865	8869	8874	8878	8883	8887	8892	8896
5	8900	8905	8909	8914	8918	8923	8927	8932	8936	8941
6	8945	8949	8954	8958	8963	8967	8972	8976	8981	8985
7	8989	8994	8998	9003	9007	9012	9016	9021	9025	9029
8	9034	9038	9043	9047	9052	9056	9061	9065	9069	9074
9	9078	9083	9087	9092	9096	9100	9105	9109	9114	9118
980	09123	09127	09131	09136	09140	09145	09149	09154	09158	09162
1	9167	9171	9176	9180	9185	9189	9193	9198	9202	9207
2	9211	9216	9220	9224	9229	9233	9238	9242	9247	9251
3	9255	9260	9264	9269	9273	9277	9282	9286	9291	9296
4	9300	9304	9308	9313	9317	9322	9326	9330	9335	9339
5	9344	9348	9352	9357	9361	9366	9370	9374	9379	9383
6	9388	9392	9396	9401	9405	9410	9414	9419	9423	9427
7	9432	9436	9441	9445	9449	9454	9458	9463	9467	9471
8	9476	9480	9484	9489	9493	9498	9502	9506	9511	9516
9	9520	9524	9528	9533	9537	9542	9546	9550	9555	9559
990	09564	09568	09572	09577	09581	09585	09590	09594	09599	09603
1	9607	9612	9616	9621	9625	9629	9634	9638	9642	9647
2	9651	9656	9660	9664	9669	9673	9677	9682	9686	9691
3	9695	9699	9704	9708	9712	9717	9721	9726	9730	9734
4	9739	9743	9747	9752	9756	9760	9765	9769	9774	9778
5	9782	9787	9791	9795	9800	9804	9808	9813	9817	9822
6	9826	9830	9835	9839	9843	9848	9852	9856	9861	9865
7	9870	9874	9878	9883	9887	9891	9896	9900	9904	9909
8	9913	9917	9922	9926	9930	9935	9939	9944	9948	9952
9	9957	9961	9965	9970	9974	9978	9983	9987	9991	9996
1000	00000	00004	00009	00013	00017	00022	00026	00030	00035	00039

角在  $0^\circ$  與  $2^\circ$  之間之正弦, 正切及餘切, 或角在  $88^\circ$  與  $90^\circ$  之間之餘弦, 對於秒數若用普通之表差間插求之, 難期精確; 欲求精確者可用式如下:

(I) 由角  $A$  求  $\log \sin A$ :

$$\log \sin A = \log A (\text{秒數}) + \text{正弦之 } (q-l)^*$$

(II) 由  $\log \sin A$  求角  $A$ :

$$\log A (\text{秒數}) = \log \sin A - \text{正弦之 } (q-l)^*$$

例1 令求  $\log \sin 0^\circ 36' 25''$

$$\begin{array}{r} \log A \text{ 角之秒數 } (2185'') \\ \text{對於 } 0^\circ 36' \text{ 正弦之 } (q-l)^* \\ \log \sin 0^\circ 36' 25'' \end{array} \begin{array}{r} = 3.339451 \\ = 4.685567 \\ = 8.025018 \end{array}$$

例2  $\log \sin A = 8.096340$ , 令求  $A$  角!

$$\begin{array}{r} \log \sin A \\ \text{正弦之 } (q-l)^* \\ \log A (\text{秒數}) \\ A (\text{秒數}) = 2575' \text{ 或 } A = 0^\circ 42' 55'' \end{array} \begin{array}{r} = 8.096340 \\ = 4.685564 \\ = 3.410776 \\ = 3.410776 \end{array}$$

(III) 由角  $A$  求  $\log \tan A$ :

$$\log \tan A = \log A (\text{秒數}) + \text{正切之 } (q-l)^*$$

(IV) 由  $\log \tan A$  求角  $A$ :

$$\log A (\text{秒數}) = \log \tan A - \text{正切之 } (q-l)^*$$

例3 令求  $\log \tan 0^\circ 36' 25''$

$$\begin{array}{r} \log A \text{ 角之秒數 } (2185'') \\ \text{又於 } 0^\circ 36' \text{ 正切之 } (q-l)^* \\ \log \tan 0^\circ 36' 25'' \end{array} \begin{array}{r} = 3.339451 \\ = 4.685591 \\ = 8.025042 \end{array}$$

例4  $\log \tan A = 8.220000$ , 令求  $A$  角!

$$\begin{array}{r} \log \tan A \\ \text{正切之 } (q-l)^* \\ \log A (\text{秒數}) \\ A (\text{秒數}) = 3423'' \text{ 或 } A = 0^\circ 57' 03'' \end{array} \begin{array}{r} = 8.220000 \\ = 4.685615 \\ = 3.534385 \\ = 3.534385 \end{array}$$

(V) 由角  $A$  求  $\log \cot A$ :

$$\log \cot A = (q+l)^* - \log A (\text{秒數})$$

(VI) 由  $\log \cot A$  求角  $A$ :

$$\log A (\text{秒數}) = (q+l)^* - \log \cot A$$

例5 令求  $\log \cot 0^\circ 56' 12''$

$$\begin{array}{r} (q+l)^* \\ \log A \text{ 角之秒數 } (3372'') \\ \log \cot A \end{array} \begin{array}{r} = 15.314387 \\ = 3.527888 \\ = 11.786499 \end{array}$$

例6  $\log \cot A = 12.000000$ , 令求  $A$  角!

$$\begin{array}{r} (q+l)^* \\ \log \cot A \\ \log A (\text{秒數}) \\ A (\text{秒數}) = 2063'' \text{ 或 } A = 0^\circ 34' 23'' \end{array} \begin{array}{r} = 15.314411 \\ = 12.000000 \\ = 3.314411 \\ = 3.314411 \end{array}$$

餘弦——角在  $88^\circ$  與  $90^\circ$  之餘弦, 可代之以  $\sin (90 - \text{該角})$ , 按照上法求之。

\*對於  $2^\circ$  以內之一切角度,  $(q-l)$  之首先四位概為 4.685,  $(q+l)$  之首先五位概為 15.314; 末後三位則於  $(q-l)$  或  $(q+l)$  欄內, 於與  $A$  最相近似之處求之。又  $(q-l)$  欄內分二欄: 左邊者乃用於正弦, 右邊者乃用於正切。

第五表 三角函數對數表 39

0°	Sine.	q-1	Tang.	Cotang.	q+1	DI''	Cosine. 179°
0		4.685			15.314		
0	Inf. neg.	575	Inf. neg.	Inf. pos.	425	ten	60
60	6.463726	575	6.463726	13.536274	425	ten	59
120	.761753	575	.761756	235244	425	ten	58
180	6.916847	575	6.916847	13.069153	425	ten	57
240	7.063786	575	7.063786	12.994214	425	ten	56
300	.162696	575	.162696	.837204	425	ten	55
360	.841877	575	.841878	.758129	425	.02	9.999999
420	.988834	575	.988835	.691175	425	.50	.999999
480	.960816	574	.960817	.633183	424	.00	.999999
540	.417968	574	.417970	.582300	424	.00	.999999
600	.463726	574	.463727	.536273	424	.02	.999998
660	7.506118	574	7.506120	12.494880	424	.00	9.999998
720	.542906	574	.542909	.457091	423	.02	.999997
780	.576666	574	.576672	.422323	423	.03	.999997
840	.090853	574	.090857	.390143	423	.00	.999996
900	.693816	573	.693820	.360130	422	.00	.999996
960	.675753	573	.675758	.332115	422	.02	.999995
1020	.694173	573	.694179	.305821	422	.00	.999995
1080	.718997	573	.719003	.280997	421	.02	.999994
1140	.742478	573	.742484	.257516	421	.02	.999993
1200	.764754	572	.764761	.235239	420	.00	.999993
1260	7.765343	572	7.765351	12.214049	420	.00	9.999992
1320	.896149	572	.896155	.192945	419	.02	.999991
1380	.825451	572	.825460	.174549	419	.02	.999991
1440	.291119	572	.291124	.158366	419	.00	.999990
1500	.561662	571	.561674	.143826	417	.00	.999989
1560	.878695	571	.878708	.131292	417	.02	.999988
1620	.935065	570	.935079	.120491	416	.02	.999987
1680	.910679	570	.910694	.1109106	416	.02	.999986
1740	.929119	570	.929134	.103366	415	.02	.999985
1800	.949843	569	.949858	.969142	414	.03	.999983
1860	7.955082	569	7.955100	12.044900	413	.02	9.999982
1920	.963870	569	.963889	.931111	413	.02	.999981
1980	.982233	568	.982253	.907747	412	.02	.999980
2040	7.996198	568	7.996219	12.004781	411	.02	.999979
2100	8.007787	567	8.007809	11.992191	410	.02	.999977
2160	.630021	567	.630044	.979366	409	.02	.999976
2220	.631919	566	.631945	.968335	408	.02	.999975
2280	.043831	566	.043857	.959473	407	.02	.999973
2340	.054781	566	.054800	.951919	407	.02	.999972
2400	.066776	565	.066806	.945194	406	.02	.999971
2460	8.076500	565	8.076531	11.923469	405	.03	9.999969
2520	.066965	564	.066997	.938003	404	.02	.999968
2580	.097188	564	.097217	.932783	403	.03	.999966
2640	.107167	563	.107203	.927977	401	.02	.999964
2700	.116926	562	.116963	.923507	400	.03	.999963
2760	.126471	561	.126510	.919340	399	.03	.999961
2820	.135810	561	.135851	.915449	398	.03	.999959
2880	.144953	561	.144996	.911804	397	.02	.999958
2940	.153907	560	.153952	.908393	396	.03	.999956
3000	.162681	560	.162727	.905273	395	.03	.999954
3060	8.171280	559	8.171328	11.826793	393	.03	9.999952
3120	.170918	558	.170963	.902227	392	.03	.999950
3180	.179365	558	.179409	.900000	391	.03	.999948
3240	.187632	557	.187678	.898544	390	.03	.999946
3300	.194070	556	.194126	.897827	388	.03	.999944
3360	.211896	556	.211953	.897847	387	.03	.999943
3420	.219681	555	.219741	.898329	385	.03	.999940
3480	.227194	554	.227256	.899205	384	.03	.999938
3540	.234587	554	.234651	.899549	382	.03	.999936
3600	8.241855	553	8.241921	11.759079	381	.06	9.999934
0		4.685			15.314		
90°	Cosine.	q-1	Cotang.	Tang.	q+1	DI''	Sine. 89°

$1^\circ$	$r$	Sine.	$q-l$	Tang.	Cotang.	$q+l$	$D1''$	Cosine. $178^\circ$	$170^\circ$
"	"		4.685			15.314			/
3600	0	8.241855	553	8.241921	11.758079	881	.03	0.999934	60
2660	1	.241903	552	.241912	.758098	880	.03	.999933	59
8720	2	.256094	551	.256105	.743835	878	.03	.999929	58
3780	3	.263042	551	.263115	.736835	877	.03	.999927	57
3340	4	.269881	550	.269959	.730044	875	.05	.999925	56
8900	5	.276514	549	.276597	.723309	873	.05	.999922	55
3850	6	.282923	548	.282992	.716677	872	.03	.999920	54
4020	7	.289173	547	.289256	.710144	870	.05	.999918	53
4080	8	.296207	546	.296292	.703708	868	.03	.999915	52
4140	9	.302546	546	.302634	.697368	867	.06	.999913	51
4200	10	.308794	545	.308884	.691116	865	.06	.999910	50
4260	11	8.214954	544	8.315046	11.684954	863	.06	0.999907	49
4320	12	.321027	543	.321122	.678878	862	.06	.999905	48
4380	13	.327016	542	.327114	.672888	860	.06	.999902	47
4440	14	.332924	541	.332925	.666975	858	.06	.999899	46
4500	15	.338753	540	.338856	.661144	856	.03	.999897	45
4560	16	.344504	539	.344610	.655390	854	.06	.999894	44
4620	17	.350181	539	.350289	.649711	852	.06	.999891	43
4680	18	.355783	538	.355895	.644105	851	.06	.999888	42
4740	19	.361315	537	.361430	.638570	849	.06	.999885	41
4800	20	.366777	536	.366895	.633105	847	.06	.999882	40
4860	21	8.372171	535	8.372292	11.627708	845	.06	0.999879	39
4920	22	.377499	534	.377622	.622378	843	.05	.999876	38
4980	23	.382752	533	.382889	.617111	841	.06	.999873	37
5040	24	.387962	532	.388092	.611908	839	.06	.999870	36
5100	25	.393101	531	.393234	.606766	837	.06	.999867	35
5160	26	.398179	530	.398315	.601685	834	.06	.999864	34
5220	27	.403199	529	.403338	.596662	832	.06	.999861	33
5280	28	.408161	527	.408304	.591699	830	.06	.999858	32
5340	29	.413068	526	.413213	.586787	828	.07	.999854	31
5400	30	.417919	525	.418068	.581932	826	.06	.999851	30
5460	31	8.422717	524	8.422869	11.577131	824	.06	0.999848	29
5520	32	.427462	523	.427618	.572382	821	.06	.999844	28
5580	33	.432156	522	.432315	.567685	819	.06	.999841	27
5640	34	.436800	521	.436962	.563033	817	.07	.999838	26
5700	35	.441394	520	.441560	.558440	815	.06	.999834	25
5760	36	.445941	518	.446110	.553890	812	.06	.999831	24
5820	37	.450440	517	.450613	.549387	810	.07	.999827	23
5880	38	.454893	516	.455070	.544930	807	.06	.999824	22
5940	39	.459301	515	.459481	.540519	805	.07	.999820	21
6000	40	.463665	514	.463849	.536151	803	.07	.999816	20
6060	41	8.467985	512	8.468172	11.531828	800	.06	0.999813	19
6120	42	.472263	511	.472454	.527545	798	.07	.999809	18
6180	43	.476498	510	.476693	.523307	795	.07	.999805	17
6240	44	.480693	509	.480892	.519108	793	.07	.999801	16
6300	45	.484848	507	.485050	.514950	790	.05	.999797	15
6360	46	.488963	506	.489170	.510830	787	.07	.999793	14
6420	47	.493040	505	.493250	.506750	785	.07	.999790	13
6480	48	.497078	503	.497293	.502707	782	.07	.999786	12
6540	49	.501080	502	.501298	.498702	780	.07	.999782	11
6600	50	.505045	501	.505267	.494733	777	.07	.999778	10
6660	51	8.508974	499	8.509200	11.490800	774	.08	0.999774	9
6720	52	.512867	498	.513098	.489092	771	.07	.999769	8
6780	53	.516726	497	.516961	.488039	769	.07	.999765	7
6840	54	.520551	495	.520790	.487038	766	.07	.999761	6
6900	55	.524343	494	.524588	.486080	763	.07	.999757	5
6960	56	.528102	492	.528349	.485165	760	.07	.999753	4
7020	57	.531828	491	.532080	.484290	757	.06	.999749	3
7080	58	.535523	490	.535779	.483451	755	.07	.999744	2
7140	59	.539186	488	.539447	.482647	752	.06	.999740	1
7200	60	8.542819	487	8.543064	11.456916	749	.08	0.999735	0
"	"		4.685			15.314			
91°		Cosine.	$q-l$	Cotang.	Tang.	$q+l$	$D1''$	Sine. $88^\circ$	



第五表 三角函數對數表

2°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	177°
0'	8.542810	60.06	9.999735		8.543084	60.12	11.456916	60'
1	.545422	59.58	.999731	.07	.546921	59.62	453300	59
2	.549295	59.07	.999726	.07	.550298	59.15	449732	58
3	.553539	58.58	.999722	.08	.553817	58.65	446183	57
4	.557764	58.10	.999718	.07	.557336	58.20	442664	56
5	.562040	57.65	.999713	.08	.560828	57.72	439172	55
6	.566329	57.22	.999708	.07	.564291	57.27	435700	54
7	.570741	56.75	.999704	.08	.567727	56.83	432253	53
8	.575266	56.30	.999699	.08	.571137	56.38	428833	52
9	.579814	55.87	.999694	.07	.574520	55.95	425440	51
10	.575566	55.43	.999689	.08	.577877	55.52	422123	50
11	8.580692	55.02	9.996685		8.581308	55.10	11.418792	49
12	.584193	54.60	.999680	.08	.584511	54.68	415486	48
13	.587459	54.20	.999675	.08	.587725	54.27	412205	47
14	.590721	53.80	.999670	.08	.591051	53.87	408949	46
15	.593948	53.40	.999665	.08	.594283	53.48	405717	45
16	.597152	53.00	.999660	.08	.597492	53.08	402508	44
17	.600332	52.62	.999655	.08	.600677	52.70	399323	43
18	.603489	52.23	.999650	.08	.603839	52.32	396161	42
19	.606623	51.85	.999645	.08	.606978	51.93	393022	41
20	.609734	51.48	.999640	.08	.610094	51.58	390006	40
21	8.612823	51.13	9.996635		8.613189	51.22	11.385811	39
22	.615891	50.77	.999630	.10	.616292	50.86	387388	38
23	.618937	50.42	.999624	.08	.619313	50.50	384067	37
24	.621962	60.06	.999619	.08	.622343	50.15	380757	36
25	.624965	49.72	.999614	.08	.625352	49.80	377458	35
26	.627948	49.38	.999608	.08	.628340	49.47	374160	34
27	.630911	49.05	.999603	.08	.631308	49.13	370862	33
28	.633854	48.70	.999597	.10	.634256	48.80	367544	32
29	.636776	48.40	.999592	.08	.637184	48.48	364216	31
30	.639680	48.06	.999586	.08	.640093	48.15	360870	30
31	8.642563	47.75	9.995881		8.642982	47.85	11.357018	29
32	.645428	47.43	.999575	.08	.645853	47.52	357447	28
33	.648274	47.13	.999570	.10	.648704	47.22	354126	27
34	.651102	46.82	.999564	.08	.651537	46.92	350816	26
35	.653911	46.52	.999558	.08	.654352	46.62	347516	25
36	.656702	46.22	.999553	.08	.657149	46.32	344224	24
37	.659475	45.92	.999547	.10	.659928	46.02	340922	23
38	.662230	45.62	.999541	.10	.662689	45.73	337611	22
39	.664968	45.35	.999535	.10	.665433	45.45	334267	21
40	.667689	45.07	.999529	.08	.668160	45.17	330940	20
41	8.670393	44.78	9.995324		8.670760	44.88	11.329130	19
42	.673060	44.52	.999518	.10	.673563	44.58	327637	18
43	.675751	44.23	.999512	.10	.676229	44.30	324261	17
44	.678465	43.97	.999506	.10	.678860	44.05	320890	16
45	.681043	43.70	.999500	.10	.681544	43.80	317545	15
46	.683665	43.43	.999493	.10	.684172	43.53	314216	14
47	.686272	43.18	.999487	.10	.686784	43.28	310819	13
48	.688863	42.92	.999481	.10	.689381	43.03	307416	12
49	.691438	42.67	.999475	.10	.691963	42.77	304037	11
50	.693998	42.42	.999469	.10	.694529	42.53	300671	10
51	8.696543	42.17	9.994463		8.697061	42.37	11.302919	9
52	.699073	41.93	.999456	.12	.699617	42.03	300083	8
53	.701589	41.68	.999450	.10	.702139	41.78	297661	7
54	.704090	41.45	.999443	.10	.704646	41.57	295254	6
55	.706577	41.20	.999437	.10	.707140	41.30	292862	5
56	.709049	40.97	.999431	.12	.709618	41.08	290483	4
57	.711507	40.75	.999424	.10	.712083	40.83	288116	3
58	.713952	40.52	.999418	.12	.714534	40.63	285766	2
59	.716383	40.28	.999411	.12	.716972	40.40	283428	1
60'	8.718800	40.03	9.994004		8.719306	40.40	11.280604	0'
22°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	57°

°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	176°
0	8.718800	40.07	9.999404		8.718896	40.17	11.250604	60'
1	721804		999398	10	721806	39.97	278194	59
2	722595	39.85	999391	12	724304	39.73	275796	58
3	725972	39.62	999384	14	726689	39.52	273412	57
4	728337	39.39	999378	16	728959	39.30	271041	56
5	730698	39.18	999371	18	731317	39.10	268683	55
6	733027	38.98	999364	20	733663	38.89	266337	54
7	735324	38.78	999357	22	735996	38.69	264004	53
8	737667	38.55	999350	24	738317	38.69	261683	52
9	739969	38.37	999343	26	740626	38.27	259374	51
10	742259	37.95	999336	28	742922	38.08	257073	50
11	8.744536	37.77	9.999329		8.745207	37.87	11.254793	49
12	746802	37.53	999322	10	747479	37.68	254821	48
13	749065	37.37	999315	12	749740	37.43	248011	46
14	751297	37.18	999308	14	751989	37.30	245773	45
15	753528	36.96	999301	16	754227	37.10	243547	44
16	755747	36.80	999294	18	756453	36.92	241332	43
17	757955	36.60	999287	20	758668	36.73	239128	42
18	760151	36.43	999279	22	760872	36.55	236935	41
19	762337	36.28	999272	24	763065	36.35	234754	40
20	764511	36.07	999265	26	765246	36.18	232583	39
21	8.766675	35.82	9.999257		8.767417	36.02	11.256583	38
22	768828	35.70	999250	10	769575	35.82	230422	37
23	770970	35.52	999242	12	771727	35.63	228273	36
24	773101	35.37	999235	14	773866	35.45	226134	35
25	775223	35.17	999227	16	775995	35.32	224005	34
26	777333	35.02	999220	18	778114	35.18	221886	34
27	779434	34.83	999212	20	780222	34.97	219778	33
28	781524	34.68	999205	22	782320	34.80	217680	32
29	783605	34.50	999197	24	784408	34.63	215592	31
30	785675	34.35	999189	26	786486	34.47	213514	30
31	8.787736	34.18	9.999181		8.788554	34.32	11.211446	29
32	789787	34.02	999174	10	790613	34.15	209387	28
33	791825	33.85	999166	12	792662	33.98	207328	27
34	793859	33.70	999158	14	794701	33.83	205299	26
35	795881	33.55	999150	16	796731	33.69	203289	25
36	797894	33.38	999142	18	798752	33.52	201298	24
37	799897	33.25	999134	20	800763	33.37	199327	23
38	801892	33.07	999126	22	802765	33.22	197355	22
39	803876	32.93	999118	24	804758	33.07	195422	21
40	805853	32.78	999110	26	806742	32.92	193528	20
41	8.807819	32.63	9.999102		8.808717	32.77	11.191283	19
42	809777	32.46	999094	10	810699	32.63	189317	18
43	811723	32.35	999086	12	812641	32.47	187359	17
44	813667	32.20	999077	14	814583	32.33	185411	16
45	815599	32.05	999069	16	816529	32.20	183471	15
46	817522	31.90	999061	18	818461	32.05	181559	14
47	819456	31.78	999053	20	820384	31.90	179616	13
48	821343	31.58	999044	22	822296	31.78	177702	12
49	823240	31.50	999036	24	824205	31.63	175809	11
50	825130	31.35	999027	26	826109	31.48	173897	10
51	8.827011	31.22	9.999019		8.827992	31.37	11.173008	9
52	828884	31.08	999010	10	828874	31.23	172026	8
53	830749	30.97	999002	12	831743	31.08	168252	7
54	832607	30.83	998993	14	833613	30.97	166387	6
55	834456	30.69	998984	16	835471	30.83	164529	5
56	836297	30.63	998976	18	837321	30.70	162677	4
57	838130	30.43	998967	20	839163	30.58	160830	2
58	839956	30.30	998958	22	841008	30.45	158985	1
59	841774	30.15	998949	24	842825	30.32	157175	0
60	8.843533	30.00	9.998941		8.844544		11.255976	1'
93°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	86°

第五表 三角函數對數表

°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 175°	
0'	6.84355	30.03	9.98941	.15	8.84464	30.18	11.15536	69'
1	.84387	29.93	.98932	.15	.84955	30.06	.133545	59
2	.84418	29.80	.98923	.15	.85468	29.95	.151740	58
3	.84449	29.67	.98914	.15	.85981	29.82	.169934	57
4	.84481	29.57	.98905	.15	.86494	29.70	.188128	56
5	.84512	29.43	.98896	.15	.87007	29.58	.206322	55
6	.84544	29.30	.98887	.15	.87520	29.47	.224516	54
7	.84575	29.20	.98878	.15	.88033	29.35	.242710	53
8	.84607	29.08	.98869	.15	.88546	29.23	.260904	52
9	.84638	28.95	.98860	.15	.89059	29.11	.279098	51
10	.84670	28.85	.98851	.17	.89572	29.00	.297292	50
11	8.863014	29.73	9.98841	.15	8.864173	28.88	11.135827	49
12	.86478	29.69	.98832	.15	.86930	28.76	.134094	48
13	.86510	29.50	.98823	.17	.87443	28.65	.152288	47
14	.86541	29.38	.98813	.15	.87956	28.55	.170482	46
15	.86573	29.28	.98804	.15	.88469	28.43	.188676	45
16	.86604	29.17	.98795	.17	.88982	28.32	.206870	44
17	.86636	29.05	.98786	.17	.89495	28.22	.225064	43
18	.86667	28.95	.98777	.15	.89998	28.12	.243258	42
19	.86699	28.85	.98768	.17	.90511	28.00	.261452	41
20	.86730	28.73	.98759	.17	.91024	27.88	.279646	40
21	8.87949	27.68	9.98747	.15	8.881262	27.78	11.115768	39
22	.87971	27.59	.98738	.17	.91537	27.68	.297840	38
23	.88002	27.42	.98729	.17	.92050	27.58	.316034	37
24	.88034	27.32	.98720	.17	.92563	27.47	.334228	36
25	.88065	27.20	.98711	.15	.93076	27.38	.352422	35
26	.88097	27.10	.98702	.17	.93589	27.27	.370616	34
27	.88128	27.00	.98693	.17	.94102	27.17	.388810	33
28	.88160	26.90	.98684	.17	.94615	27.07	.407004	32
29	.88191	26.80	.98675	.17	.95128	26.97	.425198	31
30	.88223	26.72	.98666	.17	.95641	26.87	.443392	30
31	8.89246	26.60	9.98654	.17	8.89756	26.78	11.10240	29
32	.89268	26.50	.98645	.17	.96154	26.67	.461586	28
33	.89300	26.42	.98636	.17	.96667	26.58	.479780	27
34	.89331	26.32	.98627	.17	.97180	26.48	.497974	26
35	.89363	26.22	.98618	.17	.97693	26.38	.516168	25
36	.89394	26.12	.98609	.17	.98206	26.28	.534362	24
37	.89426	26.02	.98600	.19	.98719	26.20	.552556	23
38	.89457	25.93	.98591	.17	.99232	26.10	.570750	22
39	.89489	25.85	.98582	.17	.99745	26.02	.588944	21
40	.89520	25.75	.98573	.17	.10018	25.92	.607138	20
41	8.91149	25.65	9.98561	.18	8.913401	25.88	11.06639	19
42	.91171	25.57	.98552	.17	.10531	25.78	.625332	18
43	.91202	25.47	.98543	.19	.11044	25.68	.643526	17
44	.91234	25.38	.98534	.17	.11557	25.57	.661720	16
45	.91265	25.30	.98525	.18	.12070	25.47	.679914	15
46	.91297	25.20	.98516	.17	.12583	25.38	.698108	14
47	.91328	25.12	.98507	.17	.13096	25.28	.716302	13
48	.91360	25.05	.98498	.17	.13609	25.20	.734496	12
49	.91391	25.03	.98489	.17	.14122	25.12	.752690	11
50	.91423	24.95	.98480	.18	.14635	25.03	.770884	10
51	8.927100	24.78	9.98468	.18	8.92868	24.95	11.07134	9
52	.92732	24.68	.98459	.17	.15148	24.87	.789078	8
53	.92763	24.60	.98450	.18	.15661	24.78	.807272	7
54	.92795	24.53	.98441	.18	.16174	24.70	.825466	6
55	.92826	24.45	.98432	.18	.16687	24.62	.843660	5
56	.92858	24.41	.98423	.18	.17200	24.53	.861854	4
57	.92889	24.35	.98414	.18	.17713	24.45	.880048	3
58	.92921	24.27	.98405	.18	.18226	24.37	.898242	2
59	.92952	24.20	.98396	.18	.18739	24.30	.916436	1
60	8.94255	24.10	9.98384	.18	8.94369	24.20	11.06349	0'
75°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'	Tang. 85°	

°	Sine	D. 1'	Cosine	D. 1'	Tang.	D. 1'	Cotang. 174°	
0'	8.940296	24.08	9.928344	.18	8.941952	24.20	11.058948	60'
1	.941738	23.93	.928333	.18	.942404	24.13	.056396	59
2	.943174	23.87	.928322	.18	.942852	24.05	.055148	58
3	.944606	23.80	.928311	.18	.943295	23.99	.053905	57
4	.946034	23.70	.928300	.18	.943734	23.92	.052656	56
5	.947456	23.70	.928289	.18	.944168	23.90	.051403	55
6	.948874	23.53	.928277	.20	.950597	23.73	.049493	54
7	.950287	23.55	.928266	.18	.952021	23.67	.047979	53
8	.951696	23.48	.928255	.20	.953441	23.58	.046559	52
9	.953109	23.32	.928243	.18	.954856	23.52	.045144	51
10	.954499	23.25	.928232	.20	.956257	23.45	.043733	50
11	8.955894	22.17	9.928220	.18	8.957674	23.35	11.042226	49
12	.957284	23.10	.928209	.20	.959075	23.30	.042925	48
13	.958670	23.03	.928197	.18	.960473	23.22	.041627	47
14	.960052	22.95	.928186	.18	.961866	23.15	.040334	46
15	.961429	22.95	.928174	.20	.963255	23.15	.039745	45
16	.962801	22.87	.928163	.18	.964639	23.07	.038361	44
17	.964170	22.82	.928151	.20	.966019	22.92	.036981	43
18	.965534	22.65	.928139	.18	.967394	22.87	.035606	42
19	.966893	22.60	.928128	.20	.968766	22.78	.034234	41
20	.968249	22.52	.928116	.20	.970133	22.72	.032867	40
21	8.969600	22.45	9.928104	.20	8.971495	22.65	11.028204	39
22	.970947	22.37	.928092	.20	.972855	22.57	.027145	38
23	.972289	22.32	.928080	.20	.974209	22.52	.025991	37
24	.973628	22.32	.928068	.20	.975560	22.43	.024440	36
25	.974962	22.23	.928056	.20	.976906	22.37	.023094	35
26	.976293	22.18	.928044	.20	.978249	22.30	.021752	34
27	.977619	22.03	.928032	.20	.979586	22.25	.020414	33
28	.978941	21.97	.928020	.20	.980921	22.17	.019079	32
29	.980259	21.90	.928008	.20	.982251	22.10	.017749	31
30	.981573	21.83	.927996	.20	.983577	22.03	.016423	30
31	8.982883	21.77	9.927984	.20	8.984899	21.97	11.015101	29
32	.984189	21.70	.927972	.22	.986217	21.92	.014783	28
33	.985491	21.70	.927960	.22	.987532	21.83	.013469	27
34	.986789	21.63	.927947	.20	.988842	21.78	.012158	26
35	.988083	21.57	.927935	.22	.990149	21.70	.010850	25
36	.989374	21.43	.927922	.20	.991451	21.65	.009549	24
37	.990660	21.38	.927910	.22	.992750	21.58	.008250	23
38	.991943	21.32	.927897	.20	.994045	21.53	.006953	22
39	.993222	21.25	.927885	.22	.995337	21.45	.005659	21
40	.994497	21.19	.927872	.20	.996624	21.40	.004376	20
41	8.995768	21.13	9.927860	.22	8.997908	21.33	11.003092	19
42	.997056	21.05	.927847	.22	.999188	21.28	.002712	18
43	.998349	21.02	.927835	.22	.999465	21.22	.001365	17
44	8.999650	20.93	.927822	.22	.001738	21.15	.000022	16
45	9.000916	20.88	.927809	.22	.002072	21.08	.999693	15
46	.002269	20.82	.927797	.22	.002372	21.03	.998328	14
47	.003618	20.75	.927784	.22	.002634	20.97	.996946	13
48	.004953	20.70	.927771	.22	.002872	20.92	.995536	12
49	.006286	20.65	.927758	.22	.003087	20.85	.994113	11
50	.007614	20.57	.927745	.22	.003299	20.80	.992670	10
51	9.008928	20.53	9.927732	.22	9.010265	20.73	11.989454	9
52	.009310	20.45	.927719	.22	.011790	20.68	.988210	8
53	.010737	20.42	.927706	.22	.013031	20.62	.986969	7
54	.011962	20.33	.927693	.22	.014268	20.57	.985732	6
55	.013182	20.30	.927680	.22	.015502	20.50	.984498	5
56	.014400	20.22	.927667	.22	.016732	20.45	.983268	4
57	.015613	20.19	.927654	.22	.017959	20.40	.982041	3
58	.016824	20.12	.927641	.22	.019183	20.33	.980817	2
59	.018031	20.12	.927628	.22	.020403	20.28	.979597	1
60	9.019235	20.07	9.927614	.22	9.021620	20.23	10.978380	0'
95'	Cosine.	D. 1'	Sine.	D. 1'	Cotang.	D. 1'	Tang.	85°

第五表 三角函數對數表

6°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	172°
0'	0.01235		0.997514	.22	0.021630	20.23	10.973380	60'
1	.02435	00.00	.997601	.22	.022834	20.17	.971166	59
2	.02632	19.88	.997585	.22	.024044	20.12	.975956	58
3	.02825	19.85	.997574	.22	.025251	20.07	.974749	57
4	.03016	19.78	.997561	.23	.026455	20.00	.973545	56
5	.03203	19.72	.997547	.22	.027659	19.95	.972343	55
6	.03386	19.57	.997534	.22	.028862	19.80	.971143	54
7	.02567	19.68	.997520	.23	.030066	19.90	.969954	53
8	.028544	19.62	.997507	.22	.031273	19.85	.968763	52
9	.029918	19.52	.997493	.22	.032485	19.73	.967575	51
10	.031059	19.47	.997480	.23	.033600	19.70	.966391	50
11	0.032257	19.40	0.997466	.23	0.034791	19.63	10.965209	49
12	.033421	19.35	.997452	.22	.035969	19.58	.964031	48
13	.034573	19.32	.997439	.23	.037144	19.53	.962856	47
14	.035741	19.25	.997425	.23	.038316	19.48	.961684	46
15	.036806	19.25	.997411	.23	.039485	19.43	.960515	45
16	.037848	19.20	.997397	.23	.040651	19.43	.959349	44
17	.038917	19.08	.997383	.23	.041813	19.33	.958187	43
18	.040342	19.05	.997369	.23	.042973	19.28	.957027	42
19	.041453	19.00	.997355	.23	.044130	19.23	.955870	41
20	.042525	18.95	.997341	.23	.045284	19.23	.954716	40
21	0.043762	18.88	0.997327	.23	0.046434	19.13	10.953566	39
22	.044805	18.85	.997313	.23	.047582	19.08	.952418	38
23	.045826	18.80	.997299	.23	.048727	19.03	.951273	37
24	.047154	18.75	.997285	.23	.049869	19.03	.950131	36
25	.048279	18.68	.997271	.23	.051008	18.93	.948992	35
26	.049400	18.65	.997257	.25	.052144	18.88	.947856	34
27	.050519	18.60	.997242	.23	.053277	18.83	.946723	33
28	.051633	18.58	.997228	.23	.054407	18.83	.945583	32
29	.052749	18.57	.997214	.23	.055535	18.80	.944465	31
30	.053859	18.45	.997199	.23	.056659	18.73	.943341	30
31	0.054966	18.42	0.997185	.25	0.057781	18.65	10.942219	29
32	.056071	18.35	.997170	.23	.058900	18.60	.941100	28
33	.057172	18.32	.997155	.25	.060016	18.60	.939984	27
34	.058271	18.27	.997141	.23	.061130	18.57	.938870	26
35	.059367	18.22	.997127	.25	.062240	18.47	.937760	25
36	.060460	18.18	.997112	.23	.063348	18.42	.936652	24
37	.061551	18.18	.997098	.23	.064453	18.42	.935547	23
38	.062639	18.18	.997083	.25	.065556	18.38	.934444	22
39	.063724	18.03	.997068	.25	.066655	18.34	.933345	21
40	.064806	17.98	.997053	.23	.067752	18.23	.932248	20
41	0.065885	17.95	0.997039	.25	0.068848	18.20	10.931154	19
42	.066962	17.92	.997024	.25	.069938	18.15	.930062	18
43	.068036	17.85	.997009	.25	.071027	18.10	.928973	17
44	.069107	17.82	.996994	.25	.072113	18.07	.927887	16
45	.070176	17.82	.996979	.25	.073197	18.02	.926803	15
46	.071242	17.77	.996964	.25	.074278	17.92	.925722	14
47	.072306	17.73	.996949	.25	.075356	17.97	.924644	13
48	.073366	17.68	.996934	.25	.076432	17.93	.923568	12
49	.074424	17.60	.996919	.25	.077505	17.85	.922495	11
50	.075480	17.55	.996904	.25	.078575	17.80	.921424	10
51	0.076533	17.50	0.996889	.25	0.079644	17.77	10.920356	9
52	.077583	17.47	.996874	.27	.080710	17.72	.919290	8
53	.078631	17.42	.996858	.25	.081772	17.67	.918227	7
54	.079675	17.38	.996843	.25	.082833	17.63	.917167	6
55	.080719	17.33	.996828	.27	.083891	17.63	.916109	5
56	.081759	17.30	.996812	.25	.084947	17.60	.915053	4
57	.082797	17.25	.996797	.25	.086000	17.50	.914000	3
58	.083832	17.20	.996782	.27	.087050	17.47	.912950	2
59	.084864	17.17	.996767	.25	.088100	17.43	.911912	1
60'	0.085894	17.17	0.996751	.25	0.089144	17.43	10.910876	0'
66°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	88°

7°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	173°
0'	9.085894	17.13	9.996751	.27	9.069144	17.33	10.910856	60'
1	.086222	17.08	.996735	.25	.990187	17.35	.909813	69
2	.087947	17.05	.996720	.27	.991228	17.30	.908732	58
3	.089570	17.00	.996704	.27	.992268	17.35	.907734	57
4	.091090	17.00	.996688	.27	.993302	17.27	.906696	56
5	.091008	16.97	.996673	.25	.994336	17.23	.905664	55
6	.092024	16.83	.996657	.27	.995367	17.18	.904633	54
7	.093037	16.83	.996641	.27	.996395	17.12	.903605	53
8	.094047	16.82	.996625	.25	.997422	17.07	.902578	52
9	.095053	16.77	.996610	.25	.998446	17.03	.901554	51
10	.096052	16.79	.996594	.27	.999468	16.93	.900532	50
11	9.097055	16.68	9.996578	.27	9.100487	16.95	10.899519	49
12	.098062	16.55	.996562	.27	.101504	16.92	.898496	48
13	.099066	16.55	.996546	.27	.102519	16.88	.897481	47
14	.100062	16.42	.996530	.27	.103532	16.83	.896468	46
15	.101056	16.53	.996514	.27	.104542	16.80	.895458	45
16	.102048	16.48	.996498	.27	.105550	16.77	.894450	44
17	.103037	16.47	.996482	.25	.106556	16.72	.893444	43
18	.104025	16.47	.996465	.28	.107559	16.72	.892441	42
19	.105010	16.42	.996449	.27	.108560	16.68	.891440	41
20	.105992	16.33	.996433	.27	.109559	16.62	.890441	40
21	9.106973	16.30	9.996417	.28	9.105556	16.58	10.889444	39
22	.107961	16.27	.996400	.27	.111551	16.53	.888449	38
23	.108927	16.23	.996384	.27	.112543	16.50	.887457	37
24	.109901	16.20	.996368	.28	.113533	16.47	.886467	36
25	.110873	16.15	.996351	.28	.114521	16.42	.885473	35
26	.111842	16.15	.996335	.27	.115507	16.43	.884482	34
27	.112809	16.12	.996318	.28	.116491	16.40	.883509	33
28	.113774	16.08	.996302	.27	.117472	16.38	.882528	32
29	.114737	16.03	.996285	.28	.118452	16.33	.881548	31
30	.115698	15.97	.996269	.28	.119429	16.28	.880571	30
31	9.116658	15.95	9.996252	.28	9.120404	16.22	10.879566	29
32	.117613	15.90	.996235	.27	.121377	16.18	.878523	28
33	.118567	15.87	.996219	.28	.122348	16.15	.877532	27
34	.119519	15.83	.996202	.28	.123317	16.12	.876583	26
35	.120469	15.83	.996185	.28	.124284	16.12	.875715	25
36	.121417	15.79	.996168	.28	.125249	16.09	.874751	24
37	.122362	15.75	.996151	.28	.126211	16.02	.873789	23
38	.123306	15.70	.996134	.28	.127172	15.97	.872828	22
39	.124248	15.65	.996117	.28	.128130	15.92	.871870	21
40	.125187	15.63	.996100	.28	.129087	15.90	.870913	20
41	9.126125	15.58	9.996083	.28	9.130041	15.88	10.869959	19
42	.127060	15.55	.996066	.28	.130994	15.83	.869006	18
43	.127993	15.55	.996049	.28	.131944	15.83	.868066	17
44	.128925	15.53	.996032	.28	.132893	15.82	.867107	16
45	.129854	15.49	.996015	.28	.133839	15.75	.866161	15
46	.130781	15.42	.995998	.28	.134784	15.70	.865216	14
47	.131706	15.40	.995980	.28	.135722	15.68	.864271	13
48	.132629	15.35	.995963	.28	.136657	15.62	.863333	12
49	.133551	15.35	.995946	.28	.137595	15.63	.862385	11
50	.134470	15.32	.995928	.28	.138525	15.62	.861458	10
51	9.135387	15.27	9.995911	.28	9.139475	15.55	10.860394	9
52	.136303	15.23	.995894	.28	.140409	15.52	.859501	8
53	.137216	15.20	.995876	.28	.141340	15.48	.858560	7
54	.138128	15.15	.995859	.28	.142269	15.45	.857631	6
55	.139037	15.12	.995841	.28	.143196	15.42	.856704	5
56	.139944	15.10	.995823	.28	.144121	15.39	.855780	4
57	.140850	15.10	.995805	.28	.145044	15.38	.854856	3
58	.141754	15.07	.995788	.28	.145966	15.37	.853934	2
59	.142655	15.03	.995771	.28	.146885	15.30	.853015	1
60'	9.143553	15.00	9.995753	.28	9.147803	15.30	10.852097	0'
77°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	82°

三角函數對數表

°	Sine.	D. 1'	Cosine.	D. 1'	Tang.	D. 1'	Cotang.	171°
0	0.143555	14.97	0.986753	.30	9.147803	15.25	10.832197	60
1	144433	14.83	986735	.30	148716	15.23	841282	59
2	145349	14.90	986717	.30	149632	15.20	840368	58
3	146243	14.88	986699	.30	150544	15.17	839456	57
4	147128	14.83	986681	.30	151454	15.17	838546	56
5	148006	14.83	986664	.30	152363	15.15	837637	55
6	148875	14.78	986646	.30	153269	15.05	836731	54
7	149732	14.73	986628	.30	154174	15.05	835830	53
8	150586	14.72	986610	.30	155077	15.02	834923	52
9	151529	14.70	986591	.30	155978	14.98	834022	51
10	152451	14.65	986573	.30	156877	14.97	833123	50
11	9.153330	14.63	9.986555	.20	9.157775	14.93	10.842225	49
12	154336	14.58	986537	.30	157671	14.90	832229	48
13	155233	14.58	986519	.30	158565	14.87	831335	47
14	156137	14.55	986501	.30	159457	14.82	830443	46
15	157030	14.50	986482	.30	160347	14.82	829553	45
16	157920	14.48	986464	.30	161236	14.78	828664	44
17	158809	14.43	986445	.30	162123	14.75	827777	43
18	159695	14.43	986427	.30	163008	14.73	826892	42
19	160579	14.43	986409	.30	163892	14.73	826008	41
20	161461	14.38	986390	.30	164774	14.70	825126	40
21	9.162325	14.35	9.986372	.20	9.166834	14.63	10.833416	39
22	163235	14.33	986353	.30	165652	14.62	824243	28
23	164143	14.30	986334	.30	166490	14.58	823371	27
24	165000	14.28	986316	.30	167324	14.55	822500	26
25	165854	14.22	986297	.30	170157	14.53	821633	25
26	166707	14.20	986278	.30	171029	14.50	820771	24
27	167559	14.15	986259	.30	171899	14.47	820001	23
28	168406	14.13	986241	.30	172767	14.47	819233	22
29	169256	14.10	986222	.30	173634	14.42	818468	21
30	169702	14.08	986203	.30	174499	14.38	817703	20
31	9.170547	14.03	9.986184	.20	9.175362	14.37	10.824593	39
32	171389	14.02	986165	.30	175224	14.35	816937	27
33	172230	14.00	986146	.30	176081	14.30	816216	26
34	173070	13.97	986127	.30	176942	14.28	815498	25
35	173908	13.93	986108	.30	177799	14.25	814781	24
36	174744	13.90	986089	.30	178655	14.22	814066	23
37	175578	13.88	986070	.30	179508	14.20	813351	22
38	176411	13.85	986051	.30	180360	14.18	812638	21
39	177242	13.83	986032	.30	181211	14.15	811927	20
40	178072	13.80	986013	.30	182060	14.13	811218	19
41	9.178900	13.77	9.986003	.20	9.182907	14.06	10.816793	39
42	178928	13.75	985974	.30	182912	14.08	810506	18
43	180051	13.72	985955	.30	183763	14.05	810017	17
44	181174	13.70	985935	.30	184619	14.02	809529	16
45	182295	13.67	985916	.30	185480	14.00	809043	15
46	183416	13.63	985896	.30	186336	13.97	808558	14
47	184534	13.62	985877	.30	187198	13.95	808074	13
48	185651	13.58	985857	.30	188056	13.92	807591	12
49	186765	13.55	985838	.30	188929	13.88	807108	11
50	187880	13.53	985818	.30	189797	13.87	806628	10
51	9.187092	13.52	9.985798	.20	9.192294	13.83	10.807706	9
52	189003	13.45	985779	.30	190653	13.82	806147	8
53	188112	13.43	985759	.30	191513	13.78	805668	7
54	189219	13.43	985739	.30	192376	13.77	805191	6
55	190325	13.42	985720	.30	193240	13.73	804716	5
56	191430	13.38	985700	.30	194106	13.72	804243	4
57	192534	13.38	985680	.30	194974	13.68	803771	3
58	193637	13.35	985660	.30	195844	13.67	803300	2
59	194739	13.33	985640	.30	196716	13.65	802831	1
60	9.194322	13.30	9.985620	.20	9.199712	13.65	10.800257	0
98°	Cosine.	D. 1'	Sine.	D. 1'	Cotang.	D. 1'	Tang.	81°

$\theta^\circ$	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. $170^\circ$	
0	0.194332	13.88	0.994630	.83	0.199713	13.60	10.800227	69
1	.196129	13.87	.994600	.83	.200529	13.60	.799471	69
2	.197925	13.87	.994580	.83	.201345	13.57	.798655	58
3	.199719	13.87	.994560	.83	.202159	13.53	.797841	57
4	.197511	13.18	.994540	.85	.202971	13.52	.797029	56
5	.198302	13.15	.994519	.83	.203782	13.50	.796218	55
6	.199091	13.13	.994492	.83	.204592	13.48	.795408	54
7	.199879	13.13	.994479	.83	.205400	13.47	.794600	53
8	.200666	13.12	.994459	.83	.206207	13.45	.793793	52
9	.201451	13.05	.994438	.83	.207013	13.40	.792987	51
10	.202234	13.05	.994418	.83	.207817	13.37	.792183	50
11	0.203017	13.00	0.994396	.85	0.208619	13.35	10.791381	49
12	.203797	13.00	.994377	.83	.209420	13.33	.790580	49
13	.204577	12.95	.994357	.83	.210220	13.30	.789780	47
14	.205354	12.95	.994339	.83	.211019	13.28	.788982	46
15	.206131	12.95	.994316	.85	.211815	13.25	.788185	45
16	.206906	12.92	.994295	.85	.212611	13.27	.787389	44
17	.207679	12.88	.994274	.83	.213405	13.23	.786595	43
18	.208452	12.88	.994254	.85	.214198	13.22	.785802	42
19	.209222	12.83	.994233	.85	.214999	13.18	.785011	41
20	.209992	12.80	.994212	.85	.215780	13.13	.784220	40
21	0.210760	12.77	0.994191	.83	0.216568	13.13	10.783432	39
22	.211526	12.75	.994171	.85	.217356	13.10	.782644	38
23	.212291	12.73	.994150	.85	.218142	13.07	.781858	37
24	.213055	12.73	.994129	.85	.218926	13.05	.781074	36
25	.213819	12.72	.994108	.85	.219710	13.07	.780290	35
26	.214579	12.68	.994087	.85	.220492	13.03	.779508	34
27	.215338	12.65	.994066	.85	.221272	13.00	.778728	33
28	.216097	12.65	.994045	.85	.222052	12.97	.777948	32
29	.216854	12.58	.994024	.85	.222830	12.95	.777170	31
30	.217609	12.57	.994003	.85	.223607	12.92	.776393	30
31	0.218363	12.55	0.993982	.87	0.224382	12.90	10.775618	29
32	.219116	12.53	.993960	.85	.225156	12.88	.774844	28
33	.219868	12.50	.993939	.85	.225929	12.85	.774071	27
34	.220619	12.48	.993918	.85	.226700	12.85	.773300	25
35	.221367	12.45	.993897	.85	.227471	12.85	.772529	25
36	.222115	12.47	.993875	.87	.228239	12.80	.771761	24
37	.222861	12.42	.993854	.87	.229007	12.80	.771003	23
38	.223606	12.38	.993832	.85	.229773	12.77	.770227	22
39	.224349	12.38	.993811	.87	.230539	12.72	.769461	21
40	.225092	12.35	.993789	.85	.231302	12.72	.768698	20
41	0.225839	12.33	0.993768	.87	0.232065	12.68	10.767935	19
42	.226573	12.30	.993746	.85	.232826	12.67	.767174	18
43	.227311	12.28	.993725	.87	.233582	12.65	.766414	17
44	.228048	12.28	.993703	.87	.234345	12.65	.765655	16
45	.228784	12.27	.993681	.87	.235103	12.63	.764897	15
46	.229518	12.23	.993660	.85	.235859	12.60	.764141	14
47	.230252	12.20	.993638	.87	.236614	12.57	.763386	13
48	.230984	12.18	.993616	.87	.237368	12.53	.762632	12
49	.231715	12.15	.993594	.87	.238120	12.53	.761880	11
50	.232444	12.13	.993572	.87	.238872	12.53	.761128	10
51	0.233172	12.12	0.993550	.87	0.239622	12.50	10.760378	9
52	.233899	12.12	.993528	.87	.240371	12.48	.759629	8
53	.234625	12.10	.993506	.87	.241118	12.45	.758882	7
54	.235349	12.07	.993484	.87	.241865	12.45	.758135	6
55	.236073	12.07	.993462	.87	.242610	12.42	.757390	5
56	.236795	12.03	.993440	.87	.243354	12.38	.756646	4
57	.237515	12.00	.993418	.87	.244097	12.37	.755903	3
58	.238233	11.97	.993396	.87	.244839	12.33	.755161	2
59	.238949	11.95	.993374	.87	.245579	12.33	.754419	1
60	0.239670	11.95	0.993351	.85	0.246319	12.33	10.753681	0
99 $^\circ$	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	$80^\circ$



第五表 三角函數對數表

10°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	169°
0'	0.23670	11.83	0.993351	.87	9.245319	12.20	10.753681	60'
1	.24086	11.82	.993329	.87	.247057	12.20	.752943	59
2	.241101	11.82	.993307	.87	.247794	12.27	.752206	58
3	.241814	11.87	.993284	.87	.248530	12.23	.751470	57
4	.242526	11.85	.993262	.87	.249264	12.23	.750734	56
5	.243237	11.85	.993240	.87	.249998	12.23	.750002	55
6	.243947	11.85	.993217	.88	.250730	12.20	.749270	54
7	.244656	11.82	.993195	.87	.251461	12.17	.748539	53
8	.245363	11.77	.993172	.88	.252191	12.15	.747809	52
9	.246069	11.77	.993149	.87	.252920	12.13	.747080	51
10	.246775	11.72	.993127	.88	.253648	12.10	.746352	50
11	9.247478	11.72	0.993104	.88	9.254374	12.10	10.745626	49
12	.248181	11.70	.993081	.87	.255103	12.07	.744930	48
13	.248883	11.67	.993059	.88	.255834	12.05	.744176	47
14	.249583	11.67	.993036	.88	.256564	12.05	.743453	46
15	.250282	11.65	.993013	.88	.257293	12.03	.742731	45
16	.250980	11.62	.992990	.88	.258020	12.00	.742010	44
17	.251677	11.60	.992967	.88	.258750	11.98	.741290	43
18	.252373	11.57	.992944	.88	.259479	11.95	.740571	42
19	.253067	11.57	.992921	.88	.260216	11.95	.739854	41
20	.253761	11.53	.992898	.88	.260953	11.92	.739137	40
21	9.254453	11.52	0.992875	.88	9.261678	11.90	10.738422	39
22	.255144	11.50	.992852	.88	.262422	11.88	.737708	38
23	.255834	11.48	.992829	.88	.263165	11.87	.736996	37
24	.256523	11.47	.992806	.88	.263917	11.85	.736283	36
25	.257211	11.45	.992783	.40	.264648	11.83	.735572	35
26	.257898	11.42	.992759	.88	.265388	11.82	.734861	34
27	.258583	11.42	.992736	.88	.266124	11.82	.734153	33
28	.259268	11.42	.992713	.88	.266855	11.80	.733445	32
29	.259951	11.38	.992690	.88	.267581	11.77	.732739	31
30	.260633	11.35	.992666	.88	.268307	11.73	.732033	30
31	9.261314	11.33	0.992643	.40	9.268671	11.72	10.731329	29
32	.261994	11.32	.992619	.88	.269375	11.70	.730625	28
33	.262673	11.30	.992596	.40	.270077	11.70	.729923	27
34	.263351	11.27	.992572	.88	.270779	11.67	.729221	26
35	.264027	11.27	.992549	.40	.271479	11.67	.728521	25
36	.264703	11.27	.992525	.40	.272178	11.65	.727822	24
37	.265377	11.23	.992501	.88	.272876	11.63	.727124	23
38	.266051	11.23	.992478	.40	.273573	11.62	.726427	22
39	.266723	11.20	.992454	.40	.274269	11.58	.725731	21
40	.267395	11.17	.992430	.40	.274964	11.57	.725036	20
41	9.268065	11.15	0.992406	.40	9.275658	11.55	10.724342	19
42	.268734	11.13	.992382	.88	.276351	11.53	.723649	18
43	.269403	11.12	.992359	.88	.277043	11.52	.722967	17
44	.270069	11.10	.992335	.40	.277734	11.52	.722285	16
45	.270735	11.10	.992311	.40	.278424	11.50	.721615	15
46	.271400	11.08	.992287	.40	.279113	11.47	.720957	14
47	.272064	11.05	.992263	.40	.279801	11.45	.720309	13
48	.272726	11.03	.992239	.42	.280488	11.43	.719661	12
49	.273383	11.02	.992214	.40	.281174	11.43	.719024	11
50	.274049	11.02	.992190	.40	.281858	11.40	.718382	10
51	9.274708	10.98	0.992166	.40	9.282542	11.38	10.717758	9
52	.275377	10.97	.992143	.40	.283225	11.37	.717175	8
53	.276025	10.97	.992118	.40	.283907	11.35	.716593	7
54	.276681	10.93	.992093	.40	.284588	11.33	.716012	6
55	.277337	10.90	.992069	.42	.285268	11.32	.715432	5
56	.277991	10.90	.992044	.40	.285947	11.28	.714853	4
57	.278645	10.87	.992020	.40	.286624	11.28	.714276	3
58	.279297	10.85	.991996	.40	.287301	11.27	.713709	2
59	.279948	10.85	.991971	.42	.287977	11.27	.713133	1
60'	9.280609	10.85	0.991947	.40	9.288652	11.25	10.712548	0'
100°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	79°

11°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 158°	
0	9.280699	10.82	9.991947	.42	9.289652	11.23	10.711348	60
1	.281848	10.82	.991922	.42	.289326	11.22	.710674	59
2	.282997	10.82	.991897	.42	.289000	11.20	.710000	58
3	.284146	10.78	.991873	.40	.288674	11.20	.709326	57
4	.285295	10.77	.991848	.42	.288348	11.18	.708652	56
5	.286444	10.77	.991823	.42	.288022	11.18	.707978	55
6	.287593	10.73	.991799	.42	.287696	11.13	.707304	54
7	.288742	10.70	.991774	.42	.287370	11.12	.706630	53
8	.289891	10.70	.991749	.42	.287044	11.12	.705956	52
9	.291040	10.67	.991724	.42	.286718	11.08	.705282	51
10	.292189	10.67	.991699	.42	.286392	11.07	.704608	50
11	9.292788	10.63	9.991674	.42	9.296013	11.07	10.703957	49
12	.293937	10.63	.991649	.42	.295687	11.07	.703283	48
13	.295086	10.60	.991624	.42	.295361	11.03	.702609	47
14	.296235	10.60	.991599	.42	.295035	11.02	.701935	46
15	.297384	10.57	.991574	.42	.294709	11.00	.701261	45
16	.298533	10.57	.991549	.42	.294383	10.97	.700587	44
17	.299682	10.53	.991524	.42	.294057	10.97	.700000	43
18	.300831	10.55	.991498	.42	.293731	10.97	.699326	42
19	.301980	10.53	.991473	.42	.293405	10.95	.698652	41
20	.303129	10.50	.991448	.42	.293079	10.93	.697978	40
21	9.294099	10.45	9.991423	.42	9.302607	10.90	10.697393	39
22	.294658	10.47	.991397	.42	.302281	10.88	.696719	38
23	.295807	10.45	.991372	.42	.301955	10.88	.696045	37
24	.296956	10.43	.991347	.42	.301629	10.85	.695371	36
25	.298105	10.43	.991321	.42	.301303	10.85	.694697	35
26	.299254	10.42	.991295	.42	.300977	10.85	.694023	34
27	.300403	10.40	.991270	.42	.300651	10.83	.693349	33
28	.301552	10.40	.991244	.42	.300325	10.80	.692675	32
29	.302701	10.37	.991219	.42	.300000	10.82	.692001	31
30	.303850	10.35	.991193	.42	.299674	10.78	.691327	30
31	9.300276	10.32	9.991167	.42	9.309109	10.75	10.690891	29
32	.300835	10.32	.991141	.42	.308783	10.75	.690217	28
33	.301984	10.30	.991115	.42	.308457	10.73	.689543	27
34	.303133	10.27	.991090	.42	.308131	10.72	.688869	26
35	.304282	10.27	.991064	.42	.307805	10.70	.688195	25
36	.305431	10.25	.991038	.42	.307479	10.68	.687521	24
37	.306580	10.23	.991012	.42	.307153	10.67	.686847	23
38	.307729	10.23	.990986	.42	.306827	10.65	.686173	22
39	.308878	10.20	.990960	.42	.306501	10.65	.685499	21
40	.310027	10.18	.990934	.42	.306175	10.63	.684825	20
41	9.306450	10.18	9.990908	.42	9.315592	10.60	10.684477	19
42	.307009	10.15	.990883	.42	.315266	10.60	.683803	18
43	.308158	10.15	.990857	.42	.314940	10.58	.683129	17
44	.309307	10.13	.990831	.42	.314614	10.57	.682455	16
45	.310456	10.12	.990805	.42	.314288	10.55	.681781	15
46	.311605	10.10	.990779	.42	.313962	10.55	.681107	14
47	.312754	10.08	.990753	.42	.313636	10.52	.680433	13
48	.313903	10.07	.990727	.42	.313310	10.52	.679759	12
49	.315052	10.07	.990701	.42	.312984	10.50	.679085	11
50	.316201	10.00	.990675	.42	.312658	10.48	.678411	10
51	9.312495	10.03	9.990649	.42	9.321851	10.47	10.678149	9
52	.313054	10.02	.990623	.42	.321525	10.45	.677465	8
53	.314203	9.98	.990597	.42	.321200	10.45	.676791	7
54	.315352	10.00	.990571	.42	.320874	10.43	.676117	6
55	.316501	9.97	.990545	.42	.320548	10.43	.675443	5
56	.317650	9.95	.990519	.42	.320222	10.42	.674769	4
57	.318799	9.95	.990493	.42	.319896	10.40	.674095	3
58	.319948	9.95	.990467	.42	.319570	10.40	.673421	2
59	.321097	9.92	.990441	.42	.319244	10.37	.672747	1
60	9.317879	9.92	9.990415	.42	9.327475	10.37	10.672225	0
101°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang. 78°	

第五表 三角函數對數表

18°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	187°
0'	0.817879	0.90	0.990404	.43	9.827475	10.33	10.672325	60'
1	.818473	0.88	.990378	.45	.828095	10.33	.671905	59
2	.819066	0.87	.990351	.45	.828715	10.32	.671385	58
3	.819658	0.85	.990324	.45	.829334	10.32	.670866	57
4	.820249	0.85	.990297	.45	.829953	10.32	.670347	56
5	.820840	0.83	.990270	.45	.830570	10.28	.669830	55
6	.821430	0.82	.990243	.45	.831187	10.28	.669313	54
7	.822019	0.82	.990215	.47	.831803	10.27	.668797	53
8	.822607	0.80	.990188	.45	.832418	10.25	.668282	52
9	.823194	0.80	.990161	.45	.833033	10.25	.667767	51
10	.823780	0.77	.990134	.45	.833646	10.22	.667254	60
11	0.824366	0.77	0.990107	.47	9.834259	10.20	10.665741	49
12	.824950	0.73	.990079	.47	.834871	10.18	.665129	48
13	.825534	0.73	.990052	.45	.835482	10.18	.664518	47
14	.826117	0.72	.990025	.47	.836093	10.15	.663907	46
15	.826700	0.68	.989997	.47	.836702	10.15	.663296	45
16	.827281	0.68	.989970	.45	.837311	10.15	.662685	44
17	.827862	0.68	.989942	.47	.837919	10.13	.662074	43
18	.828442	0.67	.989915	.45	.838527	10.13	.661463	42
19	.829021	0.63	.989887	.47	.839133	10.10	.660852	41
20	.829599	0.63	.989860	.47	.839739	10.08	.660241	40
21	0.830176	0.63	0.989832	.47	9.840344	10.07	10.658656	39
22	.830753	0.60	.989804	.45	.840949	10.07	.658045	38
23	.831329	0.57	.989777	.47	.841552	10.05	.657434	37
24	.831903	0.58	.989749	.47	.842155	10.03	.656823	36
25	.832478	0.55	.989721	.47	.842757	10.03	.656212	35
26	.833051	0.55	.989693	.47	.843358	10.02	.655602	34
27	.833624	0.52	.989665	.47	.843958	10.00	.654991	33
28	.834195	0.53	.989637	.45	.844558	9.98	.654382	32
29	.834767	0.50	.989610	.47	.845157	9.97	.653773	31
30	.835337	0.48	.989582	.48	.845755	9.97	.653164	30
31	0.835906	0.48	0.989553	.47	9.846353	9.93	10.652557	29
32	.836475	0.47	.989525	.47	.846949	9.93	.651951	28
33	.837043	0.45	.989497	.47	.847545	9.93	.651345	27
34	.837610	0.43	.989469	.47	.848141	9.90	.650739	26
35	.838176	0.43	.989441	.47	.848735	9.90	.650132	25
36	.838742	0.43	.989413	.47	.849329	9.88	.649526	24
37	.839307	0.40	.989385	.49	.849922	9.87	.648920	23
38	.839871	0.38	.989356	.47	.850514	9.87	.648315	22
39	.840434	0.37	.989328	.47	.851106	9.85	.647710	21
40	.840996	0.37	.989300	.48	.851697	9.83	.647103	20
41	0.841568	0.35	0.989271	.47	9.852287	9.82	10.647713	19
42	.842119	0.33	.989243	.48	.852876	9.82	.647104	18
43	.842679	0.33	.989214	.48	.853463	9.80	.646505	17
44	.843237	0.30	.989186	.47	.854050	9.78	.645907	16
45	.843793	0.30	.989157	.48	.854640	9.78	.645309	15
46	.844355	0.28	.989128	.47	.855227	9.77	.644713	14
47	.844912	0.28	.989100	.48	.855813	9.75	.644117	13
48	.845469	0.25	.989071	.49	.856398	9.73	.643522	12
49	.846024	0.25	.989042	.48	.856982	9.73	.642926	11
50	.846579	0.25	.989014	.48	.857565	9.72	.642331	10
51	0.847134	0.22	0.988985	.49	9.858149	9.70	10.641851	9
52	.847687	0.22	.988956	.49	.858731	9.69	.641259	8
53	.848240	0.20	.988927	.49	.859313	9.70	.640667	7
54	.848792	0.20	.988898	.48	.859893	9.67	.640077	6
55	.849343	0.18	.988869	.49	.860474	9.65	.639486	5
56	.849893	0.17	.988840	.48	.861053	9.65	.638897	4
57	.850443	0.15	.988811	.48	.861632	9.63	.638308	3
58	.850992	0.15	.988782	.49	.862210	9.63	.637720	2
59	.851540	0.13	.988753	.49	.862787	9.62	.637131	1
60	0.852088	0.13	0.988724	.49	9.863364	9.62	10.636543	0'
102°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	77°

18°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 166°
0'	9.350689	9.19	9.98724	0.48	9.863364	9.60	10.63626
1	350635	9.19	986938	48	863940	59	636060
2	351181	9.19	986666	48	864515	58	634845
3	351726	9.08	986396	49	865090	57	634110
4	352271	9.07	986107	48	865664	55	634386
5	352815	9.06	985778	50	866227	55	633705
6	353358	9.05	985448	49	866810	54	633190
7	353901	9.05	985119	48	867382	53	632618
8	354443	9.03	984789	50	867963	52	632047
9	354984	9.02	984460	48	868524	51	631476
10	355524	9.00	984130	48	869094	50	630906
11	9.356064	8.99	9.983801	50	9.869663	49	10.63037
12	356603	8.97	983371	48	870232	48	629768
13	357141	8.95	983042	50	870799	47	629201
14	357678	8.95	982712	50	871367	46	628633
15	358215	8.93	982382	50	871933	45	628067
16	358752	8.92	982052	50	872499	44	627501
17	359287	8.92	981722	49	873064	43	626936
18	359822	8.90	981393	50	873629	40	626371
19	360356	8.88	981063	50	874193	38	625807
20	360889	8.88	980733	50	874756	38	625244
21	9.361322	8.87	9.980303	50	9.875319	37	10.62461
22	361864	8.85	980373	50	875881	35	624119
23	362403	8.84	980043	50	876442	35	623556
24	362941	8.83	980113	50	877003	33	622997
25	363478	8.83	979783	50	877563	33	622437
26	364015	8.82	979453	50	878122	32	621878
27	364552	8.78	979122	50	878681	30	621319
28	365087	8.78	978792	50	879239	30	620761
29	365624	8.80	978462	50	879797	28	620203
30	366165	8.77	978132	50	880354	27	619646
31	9.366571	8.75	9.987201	50	9.880910	27	10.61900
32	366926	8.75	977771	50	881466	27	618834
33	367461	8.75	977440	50	882020	25	617960
34	367995	8.73	977110	50	882575	23	617425
35	368528	8.73	976779	50	883129	23	616871
36	369061	8.70	976449	50	883682	20	616318
37	369594	8.68	976118	50	884234	20	615766
38	370127	8.63	975788	50	884786	20	615214
39	370660	8.63	975457	50	885337	18	614663
40	371193	8.63	975126	50	885888	17	614112
41	9.371593	8.63	9.98406	50	9.886438	15	10.61352
42	371452	8.63	974655	50	886987	15	613013
43	371970	8.62	974324	50	887536	15	612464
44	372487	8.60	973993	50	888084	12	611915
45	373003	8.60	973662	50	888631	12	611366
46	373519	8.59	973331	50	889178	12	610817
47	374035	8.60	972999	50	889724	10	610268
48	374549	8.57	972668	50	890270	10	609719
49	375063	8.57	972337	50	890815	8	609170
50	375577	8.53	972006	50	891360	8	608620
51	9.375989	8.53	9.981186	50	9.891903	07	10.60809
52	376001	8.53	971555	50	892447	08	607533
53	376513	8.53	971224	50	892989	08	607011
54	377024	8.53	970893	50	893531	08	606489
55	377534	8.50	970562	50	894073	08	605977
56	378043	8.48	970231	50	894614	08	605466
57	378552	8.48	969900	50	895154	08	604948
58	379061	8.45	969569	50	895694	08	604430
59	379568	8.45	969238	50	896233	08	603911
60	9.380070	8.45	9.986204	50	9.896771	07	10.60352
103°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang. 76°

第五表 三角函數對數表

14°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 165°	
0'	9.383673	8.45	9.966904	.52	9.386771	8.97	10.603229	60'
1	384182	8.42	966873	.53	387300	8.95	602301	59
2	384687	8.42	966841	.53	387816	8.95	602154	58
3	385192	8.42	966809	.53	388333	8.95	601617	57
4	385697	8.40	966778	.53	388849	8.93	601081	56
5	386201	8.38	966746	.53	389365	8.92	600545	55
6	386704	8.38	966714	.52	389880	8.90	600010	54
7	387207	8.37	966683	.53	390394	8.89	599476	53
8	387709	8.35	966651	.53	401058	8.88	598942	52
9	388210	8.35	966619	.53	401591	8.88	598400	51
10	388711	8.33	966587	.53	402124	8.87	597876	50
11	9.389211	8.33	9.966555	.53	9.402556	8.85	10.597344	49
12	389711	8.32	966523	.53	403157	8.85	596813	48
13	390210	8.30	966491	.53	403718	8.85	596252	47
14	390708	8.30	966459	.53	404249	8.82	595751	46
15	391206	8.28	966427	.53	404778	8.83	595251	45
16	391703	8.27	966395	.53	405308	8.80	594752	44
17	392199	8.27	966363	.53	405838	8.80	594252	43
18	392695	8.27	966331	.53	406364	8.80	593753	42
19	393191	8.24	966299	.53	406892	8.80	593253	41
20	393685	8.23	966266	.53	407419	8.77	592751	40
21	9.394179	8.23	9.966234	.53	9.407945	8.77	10.592655	39
22	394673	8.23	966202	.53	408471	8.75	591829	38
23	395166	8.20	966169	.53	408956	8.75	591004	37
24	395658	8.20	966137	.53	409621	8.73	590479	36
25	396150	8.18	966104	.53	410154	8.73	589955	35
26	396641	8.18	966072	.53	410669	8.73	589431	34
27	397132	8.18	966039	.53	411092	8.72	588908	33
28	397621	8.15	966007	.53	411615	8.72	588385	32
29	398111	8.15	965974	.53	412137	8.68	587863	31
30	398600	8.13	965942	.53	412658	8.68	587342	30
31	9.399088	8.13	9.965909	.53	9.413179	8.67	10.586821	29
32	399075	8.12	965870	.53	413699	8.67	586301	28
33	399562	8.12	965838	.53	414219	8.65	585781	27
34	400049	8.10	965801	.53	414738	8.65	585262	26
35	400535	8.08	965773	.53	415257	8.63	584743	25
36	401020	8.08	965745	.53	415775	8.63	584225	24
37	402005	8.06	965712	.53	416292	8.63	583707	23
38	402489	8.05	965679	.53	416810	8.60	583190	22
39	402972	8.05	965646	.53	417326	8.60	582674	21
40	403455	8.05	965613	.53	417842	8.60	582158	20
41	9.403938	8.03	9.965580	.53	9.418358	8.58	10.581642	19
42	404420	8.02	965547	.53	418873	8.57	581127	18
43	404901	8.02	965514	.57	419387	8.57	580618	17
44	405382	8.00	965482	.53	419901	8.57	580109	16
45	405862	7.98	965447	.53	420415	8.57	579585	15
46	406341	7.98	965414	.53	420927	8.53	579073	14
47	406820	7.95	965381	.57	421440	8.53	578560	13
48	407299	7.97	965347	.53	421952	8.52	578048	12
49	407777	7.95	965314	.57	422463	8.52	577537	11
50	408254	7.95	965280	.53	422974	8.50	577026	10
51	9.408731	7.93	9.965247	.57	9.423484	8.48	10.576516	9
52	409207	7.93	965213	.53	423993	8.50	576507	8
53	409682	7.92	965180	.53	424503	8.47	576497	7
54	410157	7.92	965146	.57	425011	8.47	574989	6
55	410632	7.92	965113	.53	425519	8.47	574481	5
56	411106	7.90	965079	.57	426027	8.45	573973	4
57	411579	7.88	965045	.57	426534	8.45	573466	3
58	412052	7.88	965011	.53	427041	8.43	572959	2
59	412524	7.87	964975	.57	427547	8.43	572453	1
60	9.412796	7.87	9.964944	.57	9.428052	8.42	10.571949	0'
104°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	76°

15°	Sine	D. 1.	Cosine.	D. 1.	Tang.	D. 1.	Cotang. 15°	
0'	9.412296	7.65	9.984944	.57	9.428052	8.43	10.571948	60'
1	.413467	7.83	.984910	.57	.428558	8.40	.571442	59
2	.413938	7.83	.984876	.57	.429062	8.40	.570938	58
3	.414408	7.83	.984842	.57	.429566	8.40	.570434	57
4	.414878	7.83	.984808	.57	.430070	8.39	.569930	56
5	.415347	7.82	.984774	.57	.430573	8.39	.569427	55
6	.415815	7.80	.984740	.57	.431075	8.37	.568925	54
7	.416283	7.80	.984706	.57	.431577	8.37	.568423	53
8	.416751	7.77	.984672	.57	.432079	8.35	.567921	52
9	.417217	7.78	.984638	.58	.432580	8.33	.567420	51
10	.417684	7.77	.984603	.57	.433080	8.33	.566920	50
11	9.418150	7.75	9.984569	.57	9.433580	8.33	10.566420	49
12	.418615	7.73	.984535	.58	.434080	8.32	.565920	48
13	.419079	7.73	.984500	.58	.434579	8.32	.565421	47
14	.419544	7.75	.984466	.57	.435078	8.32	.564922	46
15	.420007	7.72	.984432	.57	.435576	8.30	.564424	45
16	.420470	7.72	.984397	.57	.436073	8.28	.563927	44
17	.420933	7.70	.984363	.58	.436570	8.28	.563430	43
18	.421395	7.70	.984328	.58	.437067	8.28	.562933	42
19	.421857	7.70	.984294	.57	.437563	8.27	.562437	41
20	.422318	7.67	.984259	.58	.438059	8.25	.561941	40
21	9.422778	7.67	9.984224	.57	9.438554	8.23	10.561445	39
22	.423238	7.65	.984190	.58	.439048	8.23	.560946	38
23	.423697	7.65	.984155	.58	.439543	8.23	.560447	37
24	.424156	7.65	.984120	.58	.440036	8.22	.559948	36
25	.424615	7.63	.984085	.58	.440529	8.22	.559449	35
26	.425073	7.62	.984050	.58	.441022	8.22	.558950	34
27	.425530	7.62	.984015	.58	.441514	8.20	.558452	33
28	.425987	7.62	.983981	.57	.442006	8.20	.557954	32
29	.426443	7.60	.983946	.58	.442497	8.18	.557456	31
30	.426899	7.58	.983911	.60	.442988	8.18	.556957	30
31	9.427354	7.58	9.983875	.58	9.443479	8.15	10.556461	29
32	.427809	7.57	.983840	.58	.443968	8.17	.555962	28
33	.428263	7.57	.983805	.58	.444458	8.15	.555463	27
34	.428717	7.55	.983770	.58	.444947	8.15	.554964	26
35	.429170	7.55	.983735	.58	.445435	8.13	.554465	25
36	.429623	7.55	.983700	.59	.445923	8.13	.553967	24
37	.430075	7.53	.983664	.59	.446411	8.13	.553468	23
38	.430527	7.53	.983629	.58	.446898	8.12	.552969	22
39	.430978	7.53	.983594	.60	.447384	8.10	.552471	21
40	.431429	7.50	.983558	.58	.447870	8.10	.551972	20
41	9.431879	7.50	9.983523	.60	9.448356	8.08	10.551474	19
42	.432329	7.48	.983487	.58	.448841	8.08	.551159	18
43	.432778	7.48	.983452	.58	.449326	8.07	.550674	17
44	.433226	7.47	.983416	.58	.449810	8.07	.550190	16
45	.433675	7.45	.983381	.60	.450294	8.05	.549706	15
46	.434122	7.45	.983345	.60	.450777	8.05	.549223	14
47	.434569	7.45	.983309	.60	.451260	8.03	.548740	13
48	.435016	7.43	.983273	.58	.451743	8.03	.548257	12
49	.435462	7.43	.983238	.60	.452223	8.02	.547775	11
50	.435908	7.42	.983202	.60	.452706	8.02	.547294	10
51	9.436353	7.42	9.983166	.60	9.453187	8.02	10.546813	9
52	.436798	7.40	.983130	.60	.453668	8.00	.546333	8
53	.437242	7.40	.983094	.60	.454149	8.00	.545852	7
54	.437686	7.38	.983058	.60	.454628	7.98	.545372	6
55	.438129	7.38	.983022	.60	.455107	7.98	.544893	5
56	.438572	7.37	.982986	.60	.455586	7.97	.544414	4
57	.439014	7.37	.982950	.60	.456064	7.97	.543936	3
58	.439456	7.35	.982914	.60	.456542	7.97	.543458	2
59	.439897	7.35	.982878	.60	.457019	7.95	.542981	1
60'	9.440338	7.35	9.982842	.60	9.457495	7.95	10.542504	0'

105°	Cosine.	D. 1.	Sine.	D. 1.	Cotang.	D. 1.	Tang.	74°
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第五表 三角函數對數表

16°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	78°
0	9.440338	7.33	9.982842	.63	9.457496	7.95	10.542504	60°
1	.440778	7.33	.982806	.60	.457973	7.93	.542027	59
2	.441218	7.33	.982769	.60	.458449	7.93	.541551	58
3	.441658	7.33	.982733	.60	.458925	7.93	.541075	57
4	.442096	7.30	.982696	.62	.459400	7.92	.540600	56
5	.442535	7.32	.982660	.60	.459875	7.92	.540125	55
6	.442973	7.28	.982624	.62	.460349	7.90	.539651	54
7	.443410	7.28	.982587	.60	.460823	7.90	.539177	53
8	.443847	7.28	.982551	.62	.461297	7.88	.538703	52
9	.444284	7.28	.982514	.62	.461770	7.88	.538229	51
10	.444720	7.27	.982477	.60	.462243	7.87	.537758	50
		7.25				7.88		
11	9.445155	7.25	9.982441	.62	9.462715	7.85	10.537285	49
12	.445590	7.25	.982404	.62	.463188	7.85	.536811	48
13	.446025	7.25	.982367	.62	.463663	7.87	.536342	47
14	.446459	7.23	.982331	.62	.464128	7.83	.535872	46
15	.446893	7.22	.982294	.62	.464599	7.83	.535401	45
16	.447326	7.22	.982257	.62	.465069	7.83	.534931	44
17	.447759	7.22	.982220	.62	.465539	7.82	.534461	43
18	.448191	7.20	.982183	.62	.466008	7.82	.533992	42
19	.448623	7.18	.982145	.62	.466477	7.82	.533523	41
20	.449054	7.18	.982109	.62	.466945	7.80	.533055	40
21	9.449485	7.17	9.982072	.62	9.467413	7.78	10.532557	39
22	.449915	7.17	.982033	.62	.467880	7.78	.532120	38
23	.450345	7.17	.981995	.62	.468347	7.78	.531653	37
24	.450775	7.15	.981956	.62	.468814	7.77	.531186	36
25	.451204	7.15	.981918	.62	.469280	7.77	.530720	35
26	.451632	7.13	.981879	.63	.469746	7.77	.530254	34
27	.452060	7.13	.981840	.62	.470211	7.75	.529789	33
28	.452488	7.13	.981802	.63	.470676	7.75	.529324	32
29	.452915	7.12	.981764	.62	.471141	7.73	.528859	31
30	.453342	7.10	.981725	.62	.471605	7.73	.528395	30
31	9.453768	7.10	9.981700	.63	9.472069	7.72	10.527931	29
32	.454194	7.08	.981662	.62	.472532	7.72	.527468	28
33	.454619	7.08	.981625	.63	.472995	7.70	.527007	27
34	.455044	7.08	.981587	.63	.473457	7.70	.526549	26
35	.455469	7.08	.981549	.63	.473919	7.70	.526091	25
36	.455893	7.07	.981512	.62	.474381	7.70	.525634	24
37	.456316	7.05	.981474	.63	.474842	7.68	.525178	23
38	.456739	7.05	.981436	.62	.475303	7.67	.524722	22
39	.457162	7.03	.981399	.63	.475763	7.67	.524267	21
40	.457584	7.03	.981361	.63	.476223	7.67	.523811	20
41	9.458006	7.02	9.981323	.63	9.476683	7.65	10.523317	19
42	.458427	7.02	.981285	.62	.477142	7.65	.522858	18
43	.458848	7.02	.981247	.62	.477601	7.65	.522399	17
44	.459268	7.00	.981209	.63	.478059	7.63	.521941	16
45	.459688	7.00	.981171	.63	.478517	7.63	.521483	15
46	.460108	6.98	.981133	.63	.478975	7.62	.521025	14
47	.460527	6.98	.981095	.63	.479432	7.62	.520568	13
48	.460945	6.98	.981057	.63	.479889	7.62	.520111	12
49	.461364	6.97	.981019	.63	.480345	7.60	.519655	11
50	.461782	6.95	.980981	.63	.480801	7.60	.519199	10
51	9.462199	6.95	9.980942	.63	9.481257	7.58	10.518743	9
52	.462616	6.93	.980904	.63	.481712	7.58	.518288	8
53	.463032	6.93	.980866	.65	.482167	7.57	.517833	7
54	.463448	6.93	.980827	.63	.482621	7.57	.517379	6
55	.463864	6.93	.980789	.63	.483075	7.57	.516925	5
56	.464279	6.92	.980750	.63	.483529	7.57	.516471	4
57	.464694	6.92	.980712	.63	.483982	7.55	.516018	3
58	.465108	6.91	.980673	.65	.484435	7.55	.515565	2
59	.465522	6.90	.980635	.63	.484887	7.53	.515113	1
60	9.465935	6.88	9.980596	.65	9.485339	7.53	10.514661	0°

106°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	78°
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17°	Sine.	D. 1'	Cosine.	D. 1'	Tang.	D. 1'	Cotang. 182°
0'	9.463335		9.980396		9.483339	7.53	10.514961
1	466343	6.88	.980353	.65	483791	7.52	514299
2	469361	6.89	.980310	.65	484242	7.52	513758
3	467173	6.87	.980450	.65	485693	7.53	513307
4	467583	6.87	.980442	.65	487143	7.50	512857
5	467593	6.85	.980493	.65	487593	7.49	512407
6	468407	6.83	.980364	.65	488043	7.45	511957
7	468817	6.83	.980325	.65	488492	7.43	511506
8	469227	6.83	.980286	.65	488941	7.43	511055
9	469637	6.83	.980247	.65	489390	7.43	510604
10	470046	6.82	.980208	.65	489838	7.47	510152
11	9.470155		9.980169		9.490286	7.45	10.509714
12	470863	6.80	.980130	.65	490733	7.45	509267
13	471271	6.80	.980091	.65	491180	7.45	508820
14	471679	6.80	.980052	.67	491627	7.45	508373
15	472086	6.77	.980012	.65	492073	7.43	507927
16	472492	6.77	.979973	.65	492519	7.43	507481
17	472899	6.77	.979934	.65	492965	7.43	507035
18	473304	6.77	.979895	.65	493410	7.43	506589
19	473710	6.75	.979855	.67	493854	7.43	506146
20	474115	6.73	.979816	.67	494299	7.40	505701
21	9.474519		9.979776		9.494743	7.38	10.505257
22	474923	6.73	.979737	.65	495186	7.40	504814
23	475327	6.73	.979697	.67	495630	7.38	504370
24	475730	6.72	.979658	.67	496073	7.37	503927
25	476133	6.72	.979618	.65	496515	7.37	503485
26	476536	6.70	.979579	.65	496957	7.37	503043
27	476938	6.70	.979539	.67	497399	7.37	502601
28	477340	6.70	.979499	.67	497841	7.37	502159
29	477741	6.68	.979459	.67	498282	7.33	501718
30	478142	6.68	.979420	.65	498722	7.35	501278
31	9.478542		9.979380		9.499163	7.33	10.500837
32	478942	6.67	.979340	.67	499603	7.33	500397
33	479342	6.65	.979300	.67	500042	7.33	499956
34	479741	6.65	.979260	.67	500481	7.33	499515
35	480140	6.65	.979220	.67	500920	7.32	499075
36	480538	6.63	.979180	.67	501359	7.32	498634
37	480937	6.63	.979140	.67	501797	7.30	498193
38	481334	6.62	.979100	.67	502235	7.30	497752
39	481731	6.62	.979059	.68	502672	7.28	497311
40	482128	6.62	.979019	.67	503109	7.28	496870
41	9.482525		9.978979		9.503546	7.27	10.496454
42	482521	6.60	.978939	.67	503582	7.27	496018
43	482916	6.60	.978898	.68	504018	7.27	495582
44	483312	6.60	.978858	.68	504454	7.25	495145
45	483707	6.58	.978817	.67	504889	7.25	494711
46	484101	6.57	.978777	.67	505324	7.25	494276
47	484495	6.57	.978737	.67	505759	7.23	493841
48	484890	6.57	.978696	.68	506193	7.23	493407
49	485282	6.55	.978655	.68	506627	7.23	492973
50	485675	6.53	.978615	.68	507060	7.22	492540
51	9.486467		9.978574		9.507523	7.22	10.492107
52	486460	6.53	.978533	.67	508236	7.22	491674
53	486851	6.52	.978493	.68	508759	7.20	491241
54	487243	6.52	.978452	.68	509282	7.18	490809
55	487634	6.50	.978411	.68	509802	7.18	490378
56	488024	6.50	.978370	.68	510324	7.20	489946
57	488414	6.50	.978329	.68	510845	7.18	489515
58	488804	6.50	.978288	.68	511366	7.18	489084
59	489193	6.48	.978247	.68	511887	7.17	488653
60°	9.489582	6.48	9.978206	6.8	9.511776	7.17	10.488224
107°	Cosine.	D. 1'	Sine.	D. 1'	Cotang.	D. 1'	Tang. 73°



第五表 三角函數對數表

18°	Sine.	D. 1'.	Cosine	D. 1'.	Tang.	D. 1'.	Cotang.	181°
0'	9.489682	6.48	9.978206	.63	9.511776	7.17	10.488224	60
1	.490371	6.47	.978185	.68	.512206	7.15	.487194	59
2	.491059	6.47	.978164	.68	.512635	7.15	.487365	58
3	.491747	6.47	.978143	.68	.513064	7.15	.487536	57
4	.492435	6.45	.978122	.68	.513493	7.13	.487707	56
5	.493122	6.42	.978101	.68	.513922	7.13	.487878	55
6	.493810	6.42	.978080	.68	.514351	7.13	.488049	54
7	.494498	6.43	.978059	.68	.514780	7.12	.488220	53
8	.495186	6.42	.978038	.68	.515209	7.12	.488391	52
9	.495874	6.42	.978017	.68	.515638	7.10	.488562	51
10	.496562	6.42	.977996	.70	.516067	7.12	.488733	50
11	9.494238	6.42	9.977752	.63	9.516484	7.10	10.488516	49
12	.494926	6.40	.977731	.63	.516913	7.08	.488687	48
13	.495614	6.38	.977710	.63	.517342	7.08	.488858	47
14	.496302	6.38	.977689	.63	.517771	7.10	.489029	46
15	.496990	6.37	.977668	.63	.518200	7.08	.489200	45
16	.497678	6.38	.977647	.63	.518629	7.07	.489371	44
17	.498366	6.37	.977626	.63	.519058	7.07	.489542	43
18	.499054	6.37	.977605	.63	.519487	7.07	.489713	42
19	.499742	6.35	.977584	.63	.519916	7.06	.489884	41
20	.500430	6.37	.977563	.70	.520345	7.06	.490055	40
21	9.498064	6.33	9.977319	.63	9.520763	7.05	10.490226	39
22	.498752	6.35	.977298	.63	.521192	7.03	.490396	38
23	.499440	6.33	.977277	.63	.521621	7.03	.490567	37
24	.500128	6.33	.977256	.63	.522050	7.03	.490738	36
25	.500816	6.32	.977235	.63	.522479	7.02	.490909	35
26	.501504	6.33	.977214	.63	.522908	7.02	.491080	34
27	.502192	6.32	.977193	.63	.523337	7.02	.491251	33
28	.502880	6.30	.977172	.63	.523766	7.00	.491422	32
29	.503568	6.28	.977151	.63	.524195	7.00	.491593	31
30	.504256	6.30	.977130	.72	.524624	7.00	.491764	30
31	9.501854	6.28	9.976914	.63	9.524940	7.00	10.491935	29
32	.502542	6.27	.976893	.63	.525369	6.98	.492106	28
33	.503230	6.28	.976872	.63	.525798	6.98	.492277	27
34	.503918	6.27	.976851	.63	.526227	6.97	.492448	26
35	.504606	6.25	.976830	.63	.526656	6.97	.492619	25
36	.505294	6.25	.976809	.63	.527085	6.97	.492790	24
37	.505982	6.25	.976788	.63	.527514	6.97	.492961	23
38	.506670	6.25	.976767	.63	.527943	6.95	.493132	22
39	.507358	6.23	.976746	.63	.528372	6.95	.493303	21
40	.508046	6.23	.976725	.63	.528801	6.95	.493474	20
41	9.506608	6.22	9.976489	.63	9.529119	6.93	10.493645	19
42	.508736	6.22	.976468	.63	.529548	6.93	.493816	18
43	.509424	6.22	.976447	.63	.529977	6.92	.493987	17
44	.510112	6.20	.976426	.63	.530406	6.92	.494158	16
45	.510800	6.20	.976405	.63	.530835	6.92	.494329	15
46	.511488	6.20	.976384	.63	.531264	6.92	.494500	14
47	.512176	6.20	.976363	.63	.531693	6.92	.494671	13
48	.512864	6.18	.976342	.63	.532122	6.90	.494842	12
49	.513552	6.18	.976321	.63	.532551	6.90	.495013	11
50	.514240	6.17	.976300	.63	.532980	6.88	.495184	10
51	9.509298	6.17	9.976063	.63	9.533298	6.88	10.495355	9
52	.514928	6.15	.976017	.63	.533727	6.88	.495526	8
53	.515616	6.15	.975996	.63	.534156	6.87	.495697	7
54	.516304	6.15	.975975	.63	.534585	6.87	.495868	6
55	.516992	6.15	.975954	.63	.535014	6.87	.496039	5
56	.517680	6.15	.975933	.63	.535443	6.87	.496210	4
57	.518368	6.13	.975912	.63	.535872	6.85	.496381	3
58	.519056	6.13	.975891	.63	.536301	6.85	.496552	2
59	.519744	6.12	.975870	.63	.536730	6.85	.496723	1
60'	9.512842	6.12	9.975670	.63	9.537072	6.85	10.496894	0'
108°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	71°

26°	Sine	D. 1'	Cosine	D. 1'	Tang.	D. 1'	Cotang.	160°
0'	9.618842	6.12	9.975970	.72	9.530972	6.83	10.463028	60'
1	.618909		.975977		.537282		.463618	59
2	.618975	6.10	.975983	.73	.537782	6.83	J.462208	58
3	.619041	6.10	.975989	.73	.538282	6.83	.461798	57
4	.619107		.975996	.73	.538781		.461389	56
5	.619172	6.08	.975992	.73	.539280	6.82	.460980	55
6	.619237	6.08	.975998	.73	.539779	6.80	.460571	54
7	.619302	6.08	.975995	.73	.540278	6.80	.460162	53
8	.619367	6.07	.975991	.73	.540777	6.80	.459753	52
9	.619432	6.07	.975987	.73	.541276	6.80	.459344	51
10	.619497	6.05	.975983	.73	.541775	6.78	.458935	50
11	9.619562	6.05	9.975979	.73	9.541168	6.78	10.458522	49
12	.619627	6.03	.975975	.73	.541667	6.77	.458115	48
13	.619692	6.03	.975971	.73	.542166	6.78	.457706	47
14	.619757	6.03	.975967	.73	.542665	6.77	.457297	46
15	.619822	6.02	.975963	.73	.543164	6.75	.456888	45
16	.619887	6.02	.975959	.73	.543663	6.75	.456479	44
17	.619952	6.02	.975955	.73	.544162	6.77	.456070	43
18	.620017	6.02	.975951	.73	.544661	6.75	.455661	42
19	.620082	6.00	.975947	.73	.545160	6.73	.455252	41
20	.620147	6.00	.975943	.73	.545659	6.75	.454843	40
21	9.620212	6.00	9.974743	.75	9.545521	6.73	10.454476	39
22	.620277	5.98	.974739	.73	.545928	6.72	.454067	38
23	.620342	5.98	.974735	.73	.546427	6.73	.453658	37
24	.620407	5.98	.974731	.75	.546926	6.73	.453249	36
25	.620472	5.97	.974727	.73	.547425	6.72	.452840	35
26	.620537	5.98	.974723	.75	.547924	6.70	.452431	34
27	.620602	5.95	.974719	.75	.548423	6.70	.452022	33
28	.620667	5.95	.974715	.75	.548922	6.70	.451613	32
29	.620732	5.95	.974711	.73	.549421	6.70	.451204	31
30	.620797	5.95	.974707	.75	.549920	6.68	.450795	30
31	9.620862	5.93	9.974306	.75	9.549850	6.68	10.450450	29
32	.620927	5.93	.974703	.75	.549920	6.68	.450041	28
33	.620992	5.93	.974699	.75	.550419	6.68	.449632	27
34	.621057	5.93	.974695	.75	.550918	6.67	.449223	26
35	.621122	5.92	.974691	.75	.551417	6.65	.448814	25
36	.621187	5.90	.974687	.75	.551916	6.67	.448405	24
37	.621252	5.92	.974683	.75	.552415	6.65	.448006	23
38	.621317	5.92	.974679	.75	.552914	6.65	.447597	22
39	.621382	5.90	.974675	.75	.553413	6.65	.447188	21
40	.621447	5.90	.974671	.75	.553912	6.65	.446779	20
41	9.621512	5.88	9.973852	.75	9.553549	6.63	10.446452	19
42	.621577	5.88	.974667	.75	.553916	6.63	.446064	18
43	.621642	5.87	.974663	.75	.554415	6.63	.445655	17
44	.621707	5.87	.974659	.75	.554914	6.63	.445246	16
45	.621772	5.85	.974655	.77	.555413	6.62	.444837	15
46	.621837	5.85	.974651	.75	.555912	6.62	.444428	14
47	.621902	5.85	.974647	.75	.556411	6.62	.444019	13
48	.621967	5.85	.974643	.75	.556910	6.60	.443610	12
49	.622032	5.83	.974639	.77	.557409	6.60	.443201	11
50	.622097	5.83	.974635	.77	.557908	6.60	.442792	10
51	9.622162	5.83	9.973398	.77	9.557517	6.60	10.442483	9
52	.622227	5.82	.974631	.75	.557913	6.59	.442074	8
53	.622292	5.82	.974627	.77	.558412	6.59	.441665	7
54	.622357	5.82	.974623	.77	.558911	6.57	.441256	6
55	.622422	5.82	.974619	.77	.559410	6.57	.440847	5
56	.622487	5.82	.974615	.77	.559909	6.57	.440438	4
57	.622552	5.80	.974611	.75	.560408	6.57	.440029	3
58	.622617	5.78	.974607	.77	.560907	6.57	.439620	2
59	.622682	5.80	.974603	.77	.561406	6.55	.439211	1
60	9.622747	5.80	9.972958	.77	9.561066	6.55	10.438804	0'
109°	Cosine.	D. 1'	Sine.	D. 1'	Cotang.	D. 1'	Tang.	70°

第五表 三角函數對數表

20°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 180°	
0'	9.834052	5.78	9.972966	.77	9.561066	6.55	10.438934	60'
1	834399	5.77	972940	.77	.561459	6.53	.438541	59
2	.534745	5.77	.972894	.77	.561851	6.55	.438149	58
3	.835092	5.75	.972848	.77	.562244	6.53	.437756	57
4	.535438	5.75	.972802	.78	.562636	6.53	.437364	56
5	.835783	5.77	.972755	.77	.563028	6.53	.436972	55
6	.536129	5.77	.972709	.77	.563419	6.53	.436581	54
7	.836474	5.75	.972663	.77	.563811	6.53	.436189	53
8	.536818	5.73	.972617	.78	.564202	6.52	.435798	52
9	.837163	5.75	.972570	.77	.564593	6.50	.435407	51
10	.537507	5.73	.972524	.77	.564983	6.50	.435017	50
11	9.837851	5.72	9.972478	.78	9.565373	6.50	10.434627	49
12	.538194	5.73	.972431	.77	.565763	6.50	.434237	48
13	.838538	5.70	.972385	.78	.566153	6.48	.433847	47
14	.538880	5.72	.972339	.78	.566543	6.50	.433458	46
15	.839223	5.72	.972291	.78	.566933	6.47	.433068	45
16	.539565	5.70	.972245	.77	.567320	6.48	.432680	44
17	.839907	5.68	.972198	.78	.567709	6.43	.432291	43
18	.540249	5.68	.972151	.77	.568098	6.47	.431902	42
19	.840590	5.68	.972105	.78	.568488	6.45	.431511	41
20	.540931	5.68	.972058	.78	.568873	6.47	.431127	40
21	9.841272	5.68	9.972011	.78	9.569261	6.45	10.430739	39
22	.541613	5.67	.971964	.78	.569648	6.45	.430352	38
23	.841953	5.67	.971917	.78	.570035	6.45	.429965	37
24	.542293	5.67	.971870	.78	.570422	6.45	.429578	36
25	.842632	5.65	.971823	.78	.570809	6.43	.429191	35
26	.542971	5.65	.971776	.78	.571196	6.43	.428805	34
27	.843310	5.65	.971729	.78	.571581	6.43	.428419	33
28	.543649	5.63	.971682	.78	.571967	6.42	.428033	32
29	.843987	5.63	.971635	.78	.572352	6.42	.427648	31
30	.544325	5.63	.971588	.80	.572738	6.42	.427262	30
31	9.844663	5.62	9.971540	.78	9.573123	6.40	10.426877	29
32	.545000	5.62	.971493	.78	.573507	6.42	.426493	28
33	.845338	5.63	.971446	.78	.573892	6.40	.426108	27
34	.545674	5.60	.971399	.78	.574276	6.42	.425724	26
35	.846011	5.63	.971351	.80	.574660	6.40	.425340	25
36	.546347	5.60	.971303	.78	.575045	6.38	.424956	24
37	.846683	5.60	.971256	.78	.575427	6.38	.424573	23
38	.547019	5.60	.971208	.80	.575810	6.38	.424190	22
39	.847354	5.58	.971161	.78	.576193	6.38	.423807	21
40	.547689	5.58	.971113	.78	.576576	6.38	.423424	20
41	9.848024	5.58	9.971065	.80	9.576960	6.37	10.423041	19
42	.548359	5.58	.971018	.80	.577341	6.37	.422659	18
43	.848693	5.57	.970970	.80	.577723	6.35	.422277	17
44	.549027	5.55	.970922	.80	.578104	6.37	.421895	16
45	.849360	5.55	.970874	.78	.578485	6.35	.421513	15
46	.549693	5.55	.970827	.80	.578867	6.35	.421133	14
47	.850025	5.55	.970779	.78	.579248	6.35	.420752	13
48	.550359	5.55	.970731	.80	.579629	6.33	.420371	12
49	.850692	5.53	.970683	.80	.580009	6.33	.419991	11
50	.551024	5.53	.970635	.83	.580389	6.33	.419611	10
51	9.851356	5.52	9.970588	.80	9.580769	6.33	10.419231	9
52	.551687	5.52	.970540	.80	.581149	6.32	.418851	8
53	.852019	5.52	.970492	.80	.581528	6.32	.418473	7
54	.552349	5.52	.970444	.80	.581907	6.32	.418095	6
55	.852680	5.52	.970395	.80	.582286	6.32	.417714	5
56	.553010	5.50	.970345	.80	.582665	6.32	.417335	4
57	.853341	5.52	.970297	.80	.583041	6.30	.416956	3
58	.553670	5.50	.970249	.82	.583412	6.30	.416578	2
59	.854000	5.49	.970200	.80	.583780	6.28	.416200	1
60'	9.854329	5.48	9.970152	.80	9.584177	6.28	10.415823	0'
110°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	69°

11°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Colang. 168°	
0'	0.554329	5.43	0.970152	.82	9.584177	6.30	10.415823	69'
1	.554388	5.43	.970103	.80	.584533	6.28	.415445	59
2	.554447	5.43	.970055	.78	.584889	6.28	.415089	58
3	.554515	5.47	.970009	.82	.585309	6.28	.414691	57
4	.554583	5.47	.969967	.80	.585686	6.28	.414314	56
5	.554651	5.47	.969929	.80	.586069	6.28	.413938	55
6	.554729	5.45	.969890	.82	.586452	6.27	.413561	54
7	.554806	5.45	.969851	.82	.586835	6.25	.413185	53
8	.554883	5.45	.969811	.80	.587219	6.25	.412810	52
9	.554960	5.45	.969771	.80	.587606	6.27	.412434	51
10	.555036	5.43	.969735	.82	.587991	6.25	.412059	50
11	9.557932	5.43	9.969616	.82	9.588316	6.25	10.411684	49
12	.555258	5.43	.969577	.80	.588691	6.25	.411309	48
13	.555333	5.42	.969538	.80	.589066	6.23	.410934	47
14	.555409	5.42	.969499	.82	.589440	6.23	.410560	25
15	.555484	5.40	.969460	.83	.589814	6.23	.410186	45
16	.555559	5.42	.969420	.80	.590188	6.23	.409812	44
17	.555633	5.42	.969381	.82	.590562	6.23	.409438	43
18	.555707	5.40	.969342	.82	.590935	6.22	.409065	42
19	.555781	5.40	.969302	.83	.591308	6.22	.408692	41
20	.555855	5.38	.969263	.82	.591681	6.23	.408319	40
21	9.551173	5.38	9.969124	.82	9.592054	6.22	10.407948	39
22	.556150	5.38	.969075	.83	.592428	6.22	.407574	38
23	.556184	5.37	.969036	.82	.592799	6.20	.407201	37
24	.556218	5.37	.968997	.80	.593171	6.20	.406829	36
25	.556282	5.37	.968958	.83	.593542	6.18	.406458	35
26	.556346	5.37	.968919	.82	.593914	6.18	.406086	34
27	.556410	5.37	.968877	.83	.594285	6.18	.405715	33
28	.556473	5.37	.968837	.83	.594656	6.18	.405344	32
29	.556535	5.37	.968795	.83	.595027	6.18	.404973	31
30	.556597	5.35	.968756	.83	.595398	6.17	.404602	30
31	9.554396	5.33	9.968623	.83	9.595768	6.17	10.404232	29
32	.556716	5.33	.968585	.83	.596138	6.17	.403862	28
33	.556786	5.33	.968546	.82	.596508	6.17	.403492	27
34	.556856	5.33	.968507	.82	.596878	6.17	.403122	26
35	.556926	5.33	.968468	.82	.597247	6.15	.402753	25
36	.556995	5.32	.968429	.83	.597616	6.15	.402384	24
37	.557064	5.30	.968389	.85	.597985	6.15	.402015	23
38	.557133	5.32	.968350	.83	.598354	6.13	.401646	22
39	.557201	5.32	.968311	.83	.598722	6.13	.401278	21
40	.557269	5.30	.968272	.83	.599091	6.13	.400909	30
41	9.557387	5.28	9.968138	.83	9.599459	6.13	10.400541	19
42	.557304	5.28	.968098	.85	.599827	6.13	.400173	18
43	.557372	5.28	.968059	.85	.600194	6.12	.399806	17
44	.557440	5.28	.968020	.83	.600562	6.12	.399438	16
45	.557508	5.27	.967981	.85	.600929	6.12	.399071	15
46	.557576	5.27	.967942	.83	.601295	6.12	.398704	14
47	.557644	5.27	.967903	.83	.601663	6.12	.398337	13
48	.557712	5.27	.967864	.85	.602029	6.10	.397971	12
49	.557780	5.25	.967825	.85	.602396	6.10	.397606	11
50	.557848	5.27	.967786	.83	.602761	6.10	.397239	10
51	9.570751	5.25	9.967654	.85	9.603127	6.10	10.396873	9
52	.571066	5.25	.967615	.85	.603493	6.08	.396507	8
53	.571134	5.25	.967576	.85	.603858	6.08	.396142	7
54	.571202	5.25	.967537	.83	.604223	6.08	.395777	6
55	.571270	5.23	.967498	.85	.604589	6.07	.395412	5
56	.571338	5.23	.967459	.83	.604953	6.06	.395047	4
57	.571406	5.22	.967420	.83	.605317	6.07	.394683	3
58	.571474	5.22	.967381	.85	.605682	6.06	.394318	2
59	.571542	5.22	.967342	.83	.606048	6.07	.393954	1
60'	.571610	5.20	9.967165	.85	9.606410	6.07	10.393590	0
111°	Cosine.	D. 1'.	Sine.	D. 1'.	Colang.	D. 1'.	Tang.	63°

第五表 三角函數對數表

22°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	157°
0'	0.873875	5.22	0.967166	.85	9.606410	6.06	10.893560	60'
1	.873898	5.20	.967114	.85	.606773	6.07	.893927	59
2	.873900	5.20	.967064	.85	.607137	6.08	.892563	58
3	.874512	5.20	.967013	.85	.607500	6.08	.892500	57
4	.874824	5.20	.966961	.85	.607863	6.08	.892137	56
5	.875136	5.18	.966910	.85	.608225	6.08	.891775	55
6	.875447	5.18	.966859	.85	.608588	6.08	.891412	54
7	.875759	5.18	.966803	.85	.608950	6.08	.891050	53
8	.876069	5.17	.966756	.85	.609312	6.08	.890688	52
9	.876379	5.17	.966705	.85	.609674	6.08	.890326	51
10	.876689	5.17	.966653	.85	.610036	6.08	.890000	50
11	9.576999	5.17	9.966602	.87	9.610397	6.08	10.889603	49
12	.877309	5.15	.966550	.87	.610759	6.08	.889241	48
13	.877619	5.15	.966499	.87	.611120	6.08	.888880	47
14	.877927	5.15	.966447	.87	.611480	6.08	.888520	46
15	.878236	5.15	.966395	.85	.611841	6.08	.888159	45
16	.878545	5.15	.966344	.85	.612201	6.08	.887799	44
17	.878853	5.18	.966292	.87	.612561	6.08	.887439	43
18	.879162	5.15	.966240	.87	.612921	6.08	.887079	42
19	.879470	5.13	.966188	.87	.613281	6.08	.886719	41
20	.879777	5.13	.966136	.85	.613641	5.98	.886359	40
21	9.680085	5.12	9.966085	.87	9.614000	5.98	10.885900	39
22	.880392	5.12	.966033	.87	.614359	5.98	.885641	38
23	.880699	5.10	.965981	.87	.614718	5.98	.885282	37
24	.881006	5.12	.965929	.88	.615077	5.97	.884923	36
25	.881312	5.10	.965877	.88	.615435	5.97	.884565	35
26	.881618	5.10	.965824	.87	.615793	5.97	.884207	34
27	.881924	5.10	.965772	.87	.616151	5.97	.883849	33
28	.882229	5.08	.965720	.87	.616509	5.97	.883491	32
29	.882535	5.10	.965668	.87	.616867	5.97	.883133	31
30	.882840	5.08	.965615	.87	.617224	5.97	.882776	30
31	9.883145	5.07	9.965563	.87	9.617582	5.95	10.882418	29
32	.883449	5.08	.965511	.87	.617939	5.95	.882061	28
33	.883754	5.07	.965458	.87	.618296	5.95	.881706	27
34	.884058	5.05	.965406	.88	.618652	5.95	.881351	26
35	.884361	5.07	.965353	.88	.619008	5.95	.880995	25
36	.884665	5.07	.965301	.87	.619364	5.95	.880640	24
37	.884968	5.05	.965248	.88	.619720	5.95	.880284	23
38	.885272	5.03	.965195	.88	.620075	5.95	.879928	22
39	.885574	5.05	.965143	.88	.620432	5.92	.879573	21
40	.885877	5.03	.965090	.88	.620787	5.92	.879218	20
41	9.886179	5.05	9.965037	.88	9.621142	5.92	10.878868	19
42	.886482	5.02	.964984	.88	.621497	5.92	.878503	18
43	.886783	5.03	.964931	.87	.621852	5.92	.878148	17
44	.887085	5.02	.964879	.87	.622207	5.92	.877793	16
45	.887386	5.02	.964826	.88	.622561	5.92	.877439	15
46	.887688	5.03	.964773	.88	.622915	5.90	.877085	14
47	.887989	5.00	.964720	.90	.623269	5.90	.876731	13
48	.888290	5.02	.964666	.88	.623623	5.90	.876377	12
49	.888590	5.00	.964613	.88	.623976	5.88	.876024	11
50	.888890	5.00	.964560	.88	.624330	5.88	.875670	10
51	9.889190	4.98	9.964507	.88	9.624683	5.88	10.875317	9
52	.889492	5.00	.964454	.88	.625036	5.87	.874964	8
53	.889793	4.98	.964400	.90	.625388	5.88	.874612	7
54	.890093	4.98	.964347	.88	.625741	5.88	.874260	6
55	.890393	4.98	.964294	.88	.626093	5.87	.873907	5
56	.890693	4.98	.964240	.88	.626445	5.87	.873555	4
57	.890994	4.97	.964187	.90	.626797	5.87	.873203	3
58	.891292	4.97	.964133	.88	.627149	5.87	.872851	2
59	.891590	4.97	.964080	.90	.627501	5.87	.872499	1
60'	9.891878	4.97	9.964026	.90	9.627852	5.85	10.872148	0'
113° Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	87°	

33°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 156°	69°
0'	9.591878	4.97	9.964026	.90	9.627802	5.85	10.372148	69
1	.592176	4.95	.963972	.88	.628303	5.85	.371797	59
2	.592473	4.95	.963919	.80	.628803	5.85	.371445	58
3	.592770	4.95	.963865	.70	.629303	5.85	.371095	57
4	.593067	4.95	.963811	.60	.629803	5.83	.370745	56
5	.593363	4.93	.963757	.50	.630303	5.85	.370394	55
6	.593659	4.93	.963704	.40	.630803	5.83	.370044	54
7	.593955	4.93	.963650	.30	.631303	5.83	.369694	53
8	.594251	4.93	.963596	.20	.631803	5.82	.369344	52
9	.594547	4.92	.963542	.10	.632303	5.83	.368995	51
10	.594842	4.92	.963488	.00	.632803	5.82	.368645	50
11	9.595137	4.92	9.963434	.92	9.631701	5.82	10.368296	49
12	.595432	4.92	.963379	.82	.632303	5.82	.367947	48
13	.595727	4.92	.963325	.70	.632803	5.82	.367598	47
14	.596021	4.90	.963271	.60	.633303	5.80	.367250	46
15	.596315	4.90	.963217	.50	.633803	5.80	.366901	45
16	.596609	4.90	.963163	.40	.634303	5.80	.366553	44
17	.596903	4.88	.963109	.30	.634803	5.80	.366204	43
18	.597196	4.88	.963054	.20	.635303	5.78	.365855	42
19	.597490	4.88	.962999	.10	.635803	5.80	.365506	41
20	.597783	4.87	.962945	.02	.636303	5.78	.365157	40
21	9.598075	4.88	9.962890	.90	9.635155	5.78	10.364815	39
22	.598369	4.87	.962836	.80	.635703	5.78	.364468	38
23	.598660	4.87	.962781	.70	.636203	5.78	.364121	37
24	.598952	4.87	.962727	.62	.636703	5.77	.363774	36
25	.599241	4.87	.962672	.52	.637203	5.78	.363428	35
26	.599536	4.85	.962617	.42	.637703	5.77	.363081	34
27	.599827	4.85	.962562	.32	.638203	5.77	.362735	33
28	.600118	4.85	.962508	.22	.638703	5.77	.362388	32
29	.600409	4.85	.962453	.12	.639203	5.75	.362044	31
30	.600700	4.83	.962398	.02	.639703	5.75	.361698	30
31	9.600990	4.83	9.962343	.92	9.638617	5.75	10.361353	29
32	.601280	4.83	.962288	.82	.639203	5.75	.361008	28
33	.601570	4.83	.962233	.72	.639703	5.75	.360663	27
34	.601860	4.83	.962178	.62	.640203	5.75	.360318	26
35	.602150	4.82	.962123	.52	.640703	5.73	.359973	25
36	.602440	4.82	.962067	.42	.641203	5.73	.359628	24
37	.602728	4.82	.962012	.32	.641703	5.73	.359284	23
38	.603017	4.82	.961957	.22	.642203	5.73	.358940	22
39	.603305	4.80	.961902	.12	.642703	5.73	.358596	21
40	.603591	4.80	.961846	.02	.643203	5.73	.358253	20
41	9.603882	4.80	9.961791	.90	9.642091	5.72	10.357909	19
42	.604170	4.78	.961735	.80	.642603	5.72	.357566	18
43	.604457	4.80	.961680	.70	.643103	5.72	.357223	17
44	.604745	4.78	.961624	.62	.643603	5.72	.356880	16
45	.605032	4.78	.961569	.52	.644103	5.72	.356537	15
46	.605319	4.78	.961513	.40	.644603	5.72	.356194	14
47	.605605	4.78	.961458	.30	.645103	5.70	.355852	13
48	.605892	4.77	.961402	.20	.645603	5.70	.355510	12
49	.606177	4.77	.961346	.10	.646103	5.70	.355168	11
50	.606465	4.77	.961290	.02	.646603	5.70	.354826	10
51	9.606751	4.75	9.961235	.93	9.645516	5.63	10.354484	9
52	.607035	4.77	.961179	.83	.647103	5.70	.354143	8
53	.607322	4.75	.961123	.73	.647603	5.63	.353801	7
54	.607607	4.75	.961067	.63	.648103	5.63	.353460	6
55	.607892	4.73	.961011	.53	.648603	5.63	.353119	5
56	.608177	4.75	.960955	.43	.649103	5.63	.352778	4
57	.608461	4.73	.960899	.33	.649603	5.67	.352438	3
58	.608745	4.73	.960843	.23	.650103	5.63	.352097	2
59	.609029	4.73	.960786	.13	.650603	5.67	.351757	1
60	9.609313	4.73	9.960730	.03	9.648583	5.67	10.351417	0'
113°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	56°

第五表 三角函數對數表

24°	Sine.	D. 1'	Cosine.	D. 1'	Tang.	D. 1'	Cotang.	65°
0'	0.609313	4.73	0.920730	.93	0.645833	5.67	10.351417	60'
1	.609397	4.72	.920674	.93	.645923	5.67	.351077	59
2	.609480	4.73	.920618	.93	.646013	5.63	.350737	58
3	.610164	4.73	.920561	.95	.646102	5.63	.350398	57
4	.610447	4.73	.920505	.93	.646192	5.67	.350058	56
5	.610729	4.70	.920449	.95	.650281	5.63	.349719	55
6	.611012	4.72	.920392	.95	.650369	5.65	.349380	54
7	.611294	4.70	.920335	.93	.650459	5.63	.349041	53
8	.611576	4.70	.920279	.96	.651227	5.65	.348703	52
9	.611858	4.68	.920222	.95	.651316	5.63	.348364	51
10	.612140	4.68	.920165	.93	.651974	5.63	.348025	50
11	9.612421	4.68	9.920109	.95	9.652312	5.63	10.847688	49
12	.612702	4.68	.920052	.95	.652399	5.63	.347350	48
13	.612983	4.68	.920005	.93	.652488	5.63	.347012	47
14	.613264	4.68	.920033	.93	.653320	5.62	.346674	46
15	.613545	4.67	.920082	.95	.653403	5.62	.346337	45
16	.613826	4.67	.920131	.95	.654000	5.62	.346000	44
17	.614106	4.67	.920179	.96	.654337	5.62	.345663	43
18	.614385	4.67	.920227	.95	.654674	5.62	.345325	42
19	.614665	4.67	.920275	.93	.655011	5.62	.344987	41
20	.614944	4.65	.920322	.97	.655349	5.60	.344650	40
21	9.615223	4.65	9.920370	.95	9.655687	5.60	10.244316	39
22	.615502	4.65	.920418	.95	.656020	5.60	.344318	38
23	.615781	4.65	.920465	.95	.656356	5.60	.343981	37
24	.616060	4.63	.920512	.95	.656693	5.60	.343644	36
25	.616339	4.63	.920559	.97	.657028	5.60	.343307	35
26	.616618	4.63	.920606	.95	.657364	5.60	.342970	34
27	.616897	4.63	.920653	.97	.657700	5.58	.342633	33
28	.617176	4.63	.920700	.95	.658036	5.58	.342296	32
29	.617455	4.62	.920747	.95	.658372	5.58	.341959	31
30	.617734	4.62	.920794	.97	.658708	5.58	.341622	30
31	9.618014	4.62	9.920841	.95	9.659044	5.57	10.340951	29
32	.618292	4.62	.920888	.97	.659379	5.58	.341285	28
33	.618571	4.62	.920935	.95	.659715	5.57	.340948	27
34	.618850	4.60	.920982	.97	.660051	5.57	.340611	26
35	.619129	4.60	.921029	.97	.660387	5.57	.340274	25
36	.619408	4.60	.921076	.95	.660723	5.57	.339937	24
37	.619687	4.60	.921123	.97	.661059	5.57	.339600	23
38	.619966	4.58	.921170	.97	.661395	5.55	.339263	22
39	.620245	4.58	.921217	.97	.661731	5.55	.338926	21
40	.620524	4.58	.921264	.97	.662067	5.55	.338589	20
41	9.620803	4.58	9.921311	.95	9.662403	5.55	10.337851	19
42	.621082	4.58	.921358	.97	.662739	5.55	.337514	18
43	.621361	4.58	.921405	.97	.663075	5.55	.337177	17
44	.621640	4.57	.921452	.95	.663411	5.53	.336840	16
45	.621919	4.57	.921499	.97	.663747	5.53	.336503	15
46	.622198	4.57	.921546	.97	.664083	5.53	.336166	14
47	.622477	4.57	.921593	.95	.664419	5.53	.335829	13
48	.622756	4.55	.921640	.99	.664755	5.53	.335492	12
49	.623035	4.57	.921687	.97	.665091	5.53	.335155	11
50	.623314	4.55	.921734	.95	.665427	5.52	.334818	10
51	9.623593	4.55	9.921781	.97	9.665763	5.52	10.334082	9
52	.623872	4.53	.921828	.98	.666100	5.52	.334471	8
53	.624151	4.53	.921875	.98	.666436	5.52	.334134	7
54	.624430	4.53	.921922	.97	.666772	5.50	.333797	6
55	.624709	4.53	.921969	.95	.667108	5.52	.333460	5
56	.624988	4.53	.922016	.98	.667444	5.52	.333123	4
57	.625267	4.53	.922063	.98	.667780	5.50	.332786	3
58	.625546	4.52	.922110	.98	.668116	5.52	.332449	2
59	.625825	4.52	.922157	.95	.668452	5.50	.332112	1
60'	9.625943	4.52	9.922204	.95	9.668788	5.50	10.331927	0'
114°	Cosine.	D. 1'	Sine.	D. 1'	Cotang.	D. 1'	Tang.	65°

28°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 154°	
0'	0.625948	4.52	0.957276	.98	9.668673	5.48	10.831227	60'
1	0.626219	4.52	.957217	.98	.669002	5.48	.300938	59
2	0.626490	4.52	.957158	.98	.669329	5.50	.300668	58
3	0.626760	4.50	.957099	.98	.669661	5.48	.300399	57
4	0.627030	4.50	.957040	.98	.669991	5.48	.300129	56
5	0.627300	4.50	.956981	1.00	.670320	5.48	.300000	55
6	0.627570	4.50	.956922	.98	.670649	5.47	.300001	54
7	0.627840	4.48	.956863	.98	.670977	5.47	.300002	53
8	0.628110	4.48	.956803	.98	.671306	5.48	.300003	52
9	0.628380	4.48	.956744	1.00	.671635	5.48	.300004	51
10	0.628647	4.48	.956684	.98	.671963	5.47	.300007	50
11	0.628918	4.48	0.956625	.98	9.672291	5.47	10.297709	49
12	0.629185	4.47	.956566	1.00	.672619	5.47	.300001	48
13	0.629453	4.47	.956506	.98	.672947	5.45	.300003	47
14	0.629721	4.47	.956447	1.00	.673274	5.47	.300006	46
15	0.629989	4.47	.956387	1.00	.673602	5.45	.300008	45
16	0.630257	4.45	.956327	.98	.673929	5.47	.300011	44
17	0.630524	4.47	.956268	.98	.674257	5.47	.300013	43
18	0.630792	4.47	.956208	1.00	.674584	5.45	.300016	42
19	0.631059	4.45	.956148	1.00	.674911	5.45	.300019	41
20	0.631326	4.45	.956089	1.00	.675237	5.45	.300021	40
21	0.631593	4.43	0.956029	1.00	9.675564	5.43	10.824436	39
22	0.631859	4.43	.955969	1.00	.675890	5.45	.300024	38
23	0.632125	4.43	.955909	1.00	.676217	5.43	.300027	37
24	0.632392	4.43	.955849	1.00	.676543	5.43	.300030	36
25	0.632658	4.42	.955789	1.00	.676869	5.42	.300033	35
26	0.632925	4.43	.955729	1.00	.677194	5.42	.300036	34
27	0.633191	4.43	.955669	1.00	.677520	5.43	.300039	33
28	0.633458	4.42	.955609	1.00	.677845	5.43	.300042	32
29	0.633724	4.42	.955548	1.00	.678171	5.42	.300045	31
30	0.633991	4.42	.955488	1.00	.678496	5.42	.300048	30
31	0.634249	4.42	0.955428	1.00	9.678821	5.42	10.821179	29
32	0.634514	4.40	.955368	1.02	.679145	5.42	.300051	28
33	0.634778	4.40	.955307	1.00	.679471	5.40	.300054	27
34	0.635042	4.40	.955247	1.02	.679795	5.42	.300057	26
35	0.635306	4.40	.955186	1.00	.680120	5.40	.300060	25
36	0.635570	4.40	.955125	1.00	.680444	5.40	.300063	24
37	0.635834	4.40	.955065	1.02	.680768	5.40	.300066	23
38	0.636097	4.38	.955005	1.00	.681092	5.40	.300069	22
39	0.636360	4.38	.954944	1.02	.681416	5.40	.300072	21
40	0.636623	4.38	.954883	1.00	.681740	5.38	.300075	20
41	0.636886	4.37	0.954823	1.02	9.682063	5.40	10.817937	19
42	0.637149	4.38	.954762	1.02	.682387	5.38	.300078	18
43	0.637411	4.37	.954701	1.02	.682710	5.38	.300081	17
44	0.637673	4.37	.954640	1.02	.683033	5.38	.300084	16
45	0.637935	4.37	.954579	1.02	.683356	5.38	.300087	15
46	0.638197	4.37	.954518	1.02	.683679	5.38	.300090	14
47	0.638458	4.35	.954457	1.02	.684001	5.37	.300093	13
48	0.638720	4.37	.954396	1.02	.684324	5.37	.300096	12
49	0.638981	4.35	.954335	1.02	.684646	5.37	.300099	11
50	0.639242	4.35	.954274	1.02	.684968	5.37	.300102	10
51	0.639503	4.35	0.954213	1.02	9.685290	5.37	10.814710	9
52	0.639764	4.33	.954152	1.03	.685612	5.37	.300105	8
53	0.640024	4.33	.954090	1.02	.685934	5.37	.300108	7
54	0.640284	4.33	.954029	1.02	.686255	5.37	.300111	6
55	0.640544	4.33	.953968	1.02	.686577	5.37	.300114	5
56	0.640804	4.33	.953906	1.02	.686898	5.35	.300117	4
57	0.641064	4.33	.953845	1.02	.687219	5.35	.300120	3
58	0.641324	4.33	.953783	1.03	.687540	5.35	.300123	2
59	0.641583	4.32	.953722	1.03	.687861	5.35	.300126	1
60'	0.641842	4.32	0.953660	1.03	9.688182	5.35	10.811818	0'
115°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	34°



第五表 三角函數對數表

16°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	158°
0'	0.641842	4.32	0.953660	1.02	0.681182	5.83	10.311818	60'
1	.642101	4.32	.953509	1.03	.685502	5.85	.311458	59
2	.642360	4.30	.953357	1.03	.689823	5.83	.311177	58
3	.642618	4.32	.953205	1.03	.684143	5.83	.310887	57
4	.642877	4.30	.953052	1.02	.688463	5.83	.310587	56
5	.643135	4.30	.952900	1.03	.682783	5.83	.310217	55
6	.643393	4.30	.952747	1.03	.687103	5.83	.309877	54
7	.643650	4.28	.952595	1.03	.691423	5.82	.309577	53
8	.643908	4.28	.952442	1.03	.695743	5.82	.309287	52
9	.644165	4.30	.952290	1.03	.690063	5.82	.308988	51
10	.644423	4.28	.952137	1.03	.694383	5.82	.308689	50
11	0.644680	4.27	0.952080	1.03	0.691700	5.82	10.308500	49
12	.644936	4.28	.951918	1.03	.696019	5.82	.307981	48
13	.645193	4.28	.951755	1.03	.690338	5.82	.307682	47
14	.645450	4.28	.951593	1.03	.694657	5.82	.307382	46
15	.645705	4.27	.951431	1.03	.698976	5.82	.307082	45
16	.645962	4.27	.951269	1.03	.703295	5.82	.306782	44
17	.646218	4.27	.951107	1.03	.707614	5.82	.306482	43
18	.646474	4.25	.950945	1.03	.711933	5.82	.306182	42
19	.646729	4.25	.950783	1.03	.716252	5.82	.305882	41
20	.646984	4.27	.950621	1.03	.720571	5.82	.305582	40
21	0.647240	4.23	0.950556	1.03	0.694883	5.80	10.309117	39
22	.647494	4.23	.950394	1.03	.699201	5.82	.304799	38
23	.647749	4.23	.950231	1.03	.703519	5.82	.304499	37
24	.648004	4.23	.950069	1.03	.707838	5.82	.304199	36
25	.648258	4.23	.949907	1.03	.712156	5.82	.303899	35
26	.648512	4.23	.949745	1.03	.716475	5.82	.303599	34
27	.648766	4.23	.949583	1.03	.720793	5.82	.303299	33
28	.649020	4.23	.949421	1.03	.725112	5.82	.302999	32
29	.649274	4.23	.949259	1.03	.729430	5.82	.302699	31
30	.649527	4.23	.949097	1.03	.733749	5.82	.302399	30
31	0.649781	4.22	0.949128	1.05	0.699083	5.82	10.301847	29
32	.650034	4.22	.948965	1.05	.703401	5.82	.301547	28
33	.650287	4.22	.948803	1.05	.707719	5.82	.301247	27
34	.650539	4.22	.948641	1.05	.712038	5.82	.300947	26
35	.650792	4.22	.948478	1.05	.716356	5.82	.300647	25
36	.651044	4.22	.948316	1.05	.720675	5.82	.300347	24
37	.651297	4.22	.948153	1.05	.724993	5.82	.300047	23
38	.651549	4.18	.947991	1.07	.729312	5.82	.299747	22
39	.651800	4.18	.947828	1.07	.733630	5.82	.299447	21
40	.652052	4.20	.947666	1.05	.737949	5.82	.299147	20
41	0.652294	4.18	0.947699	1.07	0.701908	5.82	10.298792	19
42	.652555	4.18	.947537	1.07	.706226	5.82	.298492	18
43	.652816	4.18	.947375	1.07	.710545	5.82	.298192	17
44	.653077	4.18	.947213	1.07	.714863	5.82	.297892	16
45	.653338	4.18	.947051	1.06	.719182	5.82	.297592	15
46	.653598	4.17	.946889	1.07	.723500	5.82	.297292	14
47	.653859	4.18	.946727	1.07	.727819	5.82	.296992	13
48	.654119	4.17	.946565	1.07	.732137	5.82	.296692	12
49	.654379	4.17	.946403	1.07	.736456	5.82	.296392	11
50	.654638	4.15	.946241	1.07	.740774	5.82	.296092	10
51	0.654898	4.17	0.946248	1.07	0.704300	5.82	10.295850	9
52	.655158	4.17	.946086	1.07	.708618	5.82	.295550	8
53	.655417	4.15	.945924	1.07	.712937	5.82	.295250	7
54	.655676	4.15	.945762	1.07	.717255	5.82	.294950	6
55	.655935	4.15	.945600	1.07	.721574	5.82	.294650	5
56	.656194	4.15	.945438	1.07	.725892	5.82	.294350	4
57	.656453	4.18	.945276	1.07	.730211	5.82	.294050	3
58	.656712	4.15	.945114	1.07	.734529	5.82	.293750	2
59	.656971	4.15	.944952	1.08	.738848	5.82	.293450	1
60	.657230	4.13	.944790	1.07	.743166	5.80	10.293254	0'
176°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	63°

27°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 12°	60'
0'	9.657047	4.13	9.949831	1.08	9.707166	5.20	10.292834	60'
1	.657295	4.13	.949816	1.07	.707478	5.20	.292822	59
2	.657542	4.13	.949799	1.07	.707790	5.20	.292810	58
3	.657790	4.13	.949783	1.07	.708103	5.20	.291808	57
4	.658037	4.12	.949767	1.06	.708414	5.20	.291586	56
5	.658284	4.12	.949750	1.06	.708726	5.20	.291274	55
6	.658531	4.12	.949734	1.07	.709037	5.20	.290963	54
7	.658778	4.13	.949717	1.08	.709349	5.18	.290651	53
8	.659025	4.10	.949701	1.07	.709660	5.18	.290340	52
9	.659271	4.10	.949685	1.07	.709971	5.18	.290029	51
10	.659517	4.10	.949669	1.08	.710282	5.18	.289718	50
11	9.659763	4.10	9.949653	1.08	9.710593	5.18	10.289407	49
12	.659999	4.10	.949637	1.08	.710904	5.18	.289096	48
13	.660255	4.10	.949621	1.08	.711215	5.17	.288785	47
14	.660501	4.10	.949605	1.08	.711525	5.18	.288475	46
15	.660746	4.08	.949589	1.08	.711836	5.17	.288164	45
16	.660991	4.08	.949573	1.08	.712146	5.17	.287854	44
17	.661236	4.08	.949557	1.08	.712456	5.17	.287544	43
18	.661481	4.08	.949541	1.08	.712766	5.17	.287234	42
19	.661726	4.08	.949525	1.08	.713076	5.17	.286924	41
20	.661970	4.07	.949509	1.08	.713386	5.17	.286614	40
21	9.662214	4.08	9.949493	1.08	9.713696	5.15	10.286304	39
22	.662459	4.08	.949477	1.08	.714005	5.15	.285995	38
23	.662703	4.08	.949461	1.08	.714314	5.17	.285686	37
24	.662948	4.07	.949445	1.10	.714624	5.15	.285376	36
25	.663190	4.07	.949429	1.08	.714933	5.15	.285067	35
26	.663433	4.05	.949413	1.08	.715242	5.15	.284758	34
27	.663677	4.07	.949397	1.10	.715551	5.15	.284449	33
28	.663920	4.05	.949381	1.10	.715860	5.15	.284140	32
29	.664163	4.05	.949365	1.08	.716168	5.15	.283832	31
30	.664406	4.03	.949349	1.10	.716477	5.13	.283523	30
31	9.664648	4.05	9.947863	1.10	9.716785	5.13	10.283215	29
32	.664891	4.03	.947797	1.10	.717095	5.13	.282907	28
33	.665133	4.03	.947781	1.10	.717404	5.13	.282599	27
34	.665375	4.03	.947765	1.08	.717713	5.13	.282291	26
35	.665617	4.03	.947749	1.08	.718021	5.13	.281983	25
36	.665859	4.03	.947733	1.12	.718329	5.13	.281675	24
37	.666100	4.02	.947717	1.10	.718637	5.13	.281367	23
38	.666342	4.02	.947701	1.10	.718944	5.13	.281060	22
39	.666583	4.02	.947685	1.10	.719252	5.12	.280753	21
40	.666824	4.02	.947669	1.10	.719560	5.12	.280445	20
41	9.667065	4.00	9.947303	1.12	9.719868	5.12	10.280138	19
42	.667305	4.02	.947237	1.10	.720176	5.12	.279831	18
43	.667546	4.00	.947221	1.10	.720484	5.12	.279524	17
44	.667786	4.00	.947205	1.10	.720792	5.12	.279217	16
45	.668027	4.02	.947189	1.12	.721099	5.12	.278911	15
46	.668267	3.98	.947173	1.12	.721406	5.12	.278604	14
47	.668506	4.00	.947157	1.10	.721713	5.12	.278297	13
48	.668745	4.00	.947141	1.12	.722020	5.10	.277991	12
49	.668983	3.98	.947125	1.12	.722327	5.30	.277685	11
50	.669225	3.98	.947109	1.10	.722634	5.10	.277379	10
51	9.669464	3.98	9.946538	1.12	9.722937	5.08	10.277073	9
52	.669703	3.98	.947093	1.12	.723242	5.10	.276768	8
53	.669943	3.98	.947077	1.12	.723549	5.10	.276462	7
54	.670181	3.97	.947061	1.12	.723856	5.08	.276156	6
55	.670419	3.98	.947045	1.12	.724163	5.08	.275851	5
56	.670658	3.97	.947029	1.12	.724470	5.10	.275545	4
57	.670896	3.97	.947013	1.12	.724776	5.08	.275240	3
58	.671134	3.97	.946997	1.12	.725083	5.08	.274935	2
59	.671372	3.97	.946981	1.12	.725389	5.08	.274630	1
60	9.671609	3.95	9.946535	1.12	9.725694	5.07	10.274323	0'
117°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	62°

第五表 三角函數對數表

38°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 181°
0	0.611692		9.945835	1.12	9.725674	5.08	10.274328
1	.611847	8.97	9.945833	1.12	725679	5.08	.274321
2	.611984	8.85	9.945830	1.18	725684	5.08	.273716
3	.612121	8.75	9.945733	1.12	725688	5.07	.273412
4	.612258	8.65	9.945666	1.12	725692	5.07	.273108
5	.612395	8.55	9.945599	1.12	725717	5.07	.272803
6	.612532	8.43	9.945531	1.12	725731	5.07	.272499
7	.612669	8.33	9.945464	1.12	725735	5.07	.272194
8	.612806	8.25	9.945396	1.12	725710	5.07	.271891
9	.612941	8.13	9.945328	1.12	725712	5.07	.271588
10	.613077	8.03	9.945261	1.12	725716	5.07	.271284
11	0.613213		9.945193	1.12	9.725922	5.05	10.270680
12	.613448	8.92	9.945125	1.12	725922	5.05	.270677
13	.613684	8.82	9.945058	1.12	725926	5.05	.270374
14	.613919	8.72	9.944990	1.12	725929	5.07	.270071
15	.614155	8.62	9.944922	1.12	725933	5.07	.269767
16	.614390	8.52	9.944854	1.12	725935	5.03	.269465
17	.614624	8.42	9.944786	1.12	725938	5.05	.269162
18	.614859	8.32	9.944718	1.12	731141	5.05	.268859
19	.615094	8.22	9.944650	1.12	731441	5.07	.268556
20	.615328	8.12	9.944582	1.12	731746	5.03	.268254
21	0.615562		9.944514	1.12	9.732048	5.05	10.267952
22	.615796	8.02	9.944446	1.12	732351	5.03	.267649
23	.616030	7.92	9.944377	1.12	732353	5.03	.267346
24	.616264	7.82	9.944309	1.12	732355	5.03	.267043
25	.616498	7.72	9.944241	1.12	732357	5.03	.266740
26	.616731	7.62	9.944172	1.12	732358	5.02	.266438
27	.616964	7.52	9.944104	1.12	732360	5.03	.266135
28	.617197	7.42	9.944036	1.12	734162	5.02	.265832
29	.617430	7.32	9.943967	1.12	734463	5.02	.265528
30	.617663	7.22	9.943899	1.12	734764	5.02	.265226
31	0.617896		9.943830	1.12	9.735068	5.02	10.264934
32	.618129	7.12	9.943761	1.12	735367	5.02	.264632
33	.618362	7.02	9.943693	1.12	735668	5.02	.264329
34	.618595	6.92	9.943624	1.12	735969	5.02	.264026
35	.618828	6.82	9.943555	1.12	736269	5.02	.263723
36	.619061	6.72	9.943486	1.12	736570	5.00	.263420
37	.619294	6.62	9.943417	1.12	736870	5.02	.263118
38	.619527	6.52	9.943348	1.12	737171	5.02	.262815
39	.619760	6.42	9.943279	1.12	737471	5.00	.262512
40	.619992	6.32	9.943210	1.12	737771	5.00	.262209
41	0.620225		9.943141	1.12	9.738071	5.00	10.261922
42	.620458	6.22	9.943072	1.12	738371	5.00	.261620
43	.620691	6.12	9.943003	1.12	738671	5.00	.261317
44	.620924	6.02	9.942934	1.12	738971	5.00	.261014
45	.621157	5.92	9.942864	1.12	739271	4.98	.260711
46	.621390	5.82	9.942795	1.12	739570	5.00	.260408
47	.621623	5.72	9.942725	1.12	739870	4.98	.260104
48	.621856	5.62	9.942656	1.12	740169	4.98	.259801
49	.622089	5.52	9.942587	1.12	740468	4.98	.259498
50	.622322	5.42	9.942517	1.12	740767	4.98	.259194
51	0.622555		9.942448	1.12	9.741065	4.98	10.258904
52	.622788	5.32	9.942378	1.12	741365	4.98	.258603
53	.623021	5.22	9.942308	1.12	741664	4.97	.258302
54	.623254	5.12	9.942239	1.12	741963	4.97	.258000
55	.623487	5.02	9.942169	1.12	742261	4.98	.257700
56	.623720	4.92	9.942099	1.12	742559	4.97	.257400
57	.623953	4.82	9.942029	1.12	742858	4.97	.257100
58	.624186	4.72	9.941959	1.12	743156	4.97	.256800
59	.624419	4.62	9.941889	1.12	743454	4.97	.256500
60	0.624652		9.941819	1.12	9.743752	4.97	10.256200
118°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang. 51°

29°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	160°
0'	9.655571		9.941819	1.17	9.743732	4.97	10.256268	60'
1	685793	3.60	941749	1.17	744360	4.97	255950	69
2	690227	3.73	941679	1.17	744948	4.95	255662	68
3	694654	3.80	941609	1.17	745485	4.97	255365	57
4	699089	3.78	941539	1.17	745983	4.95	255057	56
5	703520	3.78	941469	1.18	746480	4.97	254750	55
6	707950	3.78	941399	1.17	746938	4.97	254462	54
7	687183	3.77	941328	1.17	747355	4.95	254155	53
8	687389	3.77	941258	1.17	747832	4.95	253868	52
9	687616	3.78	941187	1.17	748269	4.95	253571	51
10	687843	3.77	941117	1.18	748726	4.95	253274	50
11	9.688069	3.77	9.941046	1.18	9.747023	4.93	10.252977	49
12	688295	3.77	940975	1.17	747319	4.95	252981	48
13	688521	3.77	940906	1.18	747616	4.95	252684	47
14	688747	3.75	940834	1.18	747913	4.95	252387	46
15	688972	3.75	940763	1.18	748209	4.93	252179	45
16	689198	3.77	940693	1.17	748505	4.93	251955	44
17	689423	3.75	940622	1.18	748801	4.93	251722	43
18	689649	3.75	940551	1.18	749097	4.93	251503	42
19	689873	3.75	940480	1.18	749393	4.93	251267	41
20	690093	3.75	940409	1.18	749689	4.93	251031	40
21	9.690323	3.75	9.940338	1.18	9.749985	4.92	10.250015	39
22	690548	3.73	940367	1.18	750281	4.92	249719	38
23	690772	3.73	940296	1.18	750576	4.93	249424	37
24	690998	3.73	940225	1.18	750872	4.93	249128	36
25	691220	3.73	940154	1.18	751167	4.92	248831	35
26	691444	3.73	939982	1.20	751462	4.92	248533	34
27	691668	3.73	939911	1.18	751757	4.92	248243	33
28	691892	3.73	939840	1.20	752052	4.92	247948	32
29	692115	3.73	939768	1.18	752347	4.92	247653	31
30	692339	3.72	939697	1.20	752643	4.92	247358	30
31	9.692563	3.72	9.939625	1.18	9.752937	4.90	10.247063	29
32	692765	3.72	939654	1.20	752921	4.92	246769	28
33	692988	3.72	939582	1.20	753208	4.90	246474	27
34	693211	3.72	939510	1.20	753493	4.90	246180	26
35	693433	3.70	939439	1.18	753778	4.92	245885	25
36	693656	3.70	939367	1.20	754069	4.90	245591	24
37	693878	3.70	939295	1.20	754353	4.90	245297	23
38	694100	3.70	939223	1.18	754647	4.90	245003	22
39	694322	3.70	939152	1.20	754931	4.90	244708	21
40	694544	3.70	939080	1.20	755215	4.90	244415	20
41	9.694768	3.68	9.938908	1.20	9.755578	4.88	10.244122	19
42	694987	3.70	938836	1.22	755573	4.88	243828	18
43	695209	3.68	938763	1.22	755865	4.88	243535	17
44	695430	3.68	938691	1.20	756159	4.90	243241	16
45	695651	3.68	938619	1.20	756453	4.88	242948	15
46	695872	3.68	938547	1.20	756745	4.88	242655	14
47	696113	3.68	938475	1.22	757039	4.88	242362	13
48	696354	3.68	938402	1.20	757331	4.88	242069	12
49	696594	3.67	938330	1.20	757624	4.88	241776	11
50	696835	3.67	938258	1.22	757917	4.88	241483	10
51	9.696965	3.67	9.938185	1.20	9.758810	4.87	10.241190	9
52	697215	3.67	938113	1.22	759102	4.87	240896	8
53	697435	3.67	938040	1.22	759395	4.88	240603	7
54	697654	3.65	937967	1.22	759687	4.87	240313	6
55	697874	3.67	937895	1.22	759979	4.87	240021	5
56	698094	3.65	937822	1.22	760272	4.89	239728	4
57	698313	3.65	937749	1.22	760564	4.87	239436	3
58	698532	3.65	937676	1.20	760856	4.87	239144	2
59	698751	3.65	937604	1.20	761148	4.87	238852	1
60°	9.698970	3.65	9.937531	1.22	9.761439	4.85	10.238561	0'
119°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	60°

第五表 三角函數對數表

°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 149°	°
0	0.00000	0.00	0.117631	1.22	9.761439	4.87	10.235561	60'
1	.00017	0.03	.997458	1.22	.761731	4.87	.235269	59
2	.00034	0.06	.997285	1.22	.762023	4.87	.234977	58
3	.00051	0.09	.997118	1.22	.762314	4.87	.234686	57
4	.00068	0.12	.996954	1.22	.762606	4.86	.234394	56
5	.00085	0.15	.996795	1.22	.762897	4.86	.234103	55
6	.00102	0.18	.996641	1.22	.763189	4.86	.233812	54
7	.00119	0.21	.996491	1.22	.763479	4.86	.233521	53
8	.00136	0.24	.996344	1.22	.763770	4.86	.233230	52
9	.00153	0.27	.996199	1.22	.764061	4.86	.232939	51
10	.00170	0.30	.996057	1.22	.764352	4.86	.232648	50
11	0.00187	0.33	9.956725	1.22	9.764643	4.86	10.233357	49
12	.00204	0.36	.995852	1.22	.764933	4.86	.233067	48
13	.00221	0.39	.995685	1.22	.765224	4.86	.232776	47
14	.00238	0.42	.995523	1.22	.765514	4.86	.232486	46
15	.00255	0.45	.995365	1.22	.765805	4.86	.232195	45
16	.00272	0.48	.995211	1.22	.766096	4.86	.231905	44
17	.00289	0.51	.995061	1.22	.766387	4.86	.231615	43
18	.00306	0.54	.994914	1.22	.766677	4.86	.231325	42
19	.00323	0.57	.994770	1.22	.766968	4.86	.231035	41
20	.00340	0.60	.994629	1.22	.767258	4.86	.230745	40
21	0.00357	0.63	9.935968	1.22	9.767545	4.86	10.232456	39
22	.00374	0.66	.994491	1.22	.767834	4.86	.232166	38
23	.00391	0.69	.994348	1.22	.768124	4.86	.231876	37
24	.00408	0.72	.994208	1.22	.768414	4.86	.231586	36
25	.00425	0.75	.994071	1.22	.768705	4.86	.231297	35
26	.00442	0.78	.993937	1.22	.768996	4.86	.231008	34
27	.00459	0.81	.993805	1.22	.769287	4.86	.230719	33
28	.00476	0.84	.993676	1.22	.769577	4.86	.230429	32
29	.00493	0.87	.993549	1.22	.769868	4.86	.230140	31
30	.00510	0.90	.993424	1.22	.770158	4.86	.229852	30
31	0.00527	0.93	9.932846	1.22	9.770437	4.86	10.229563	29
32	.00544	0.96	.993711	1.22	.770726	4.86	.229274	28
33	.00561	0.99	.993579	1.22	.771015	4.86	.228985	27
34	.00578	1.02	.993449	1.22	.771303	4.86	.228697	26
35	.00595	1.05	.993321	1.22	.771592	4.86	.228408	25
36	.00612	1.08	.993195	1.22	.771880	4.86	.228120	24
37	.00629	1.11	.993071	1.22	.772169	4.86	.227832	23
38	.00646	1.14	.992949	1.22	.772457	4.86	.227544	22
39	.00663	1.17	.992829	1.22	.772745	4.86	.227256	21
40	.00680	1.20	.992711	1.22	.773033	4.86	.226967	20
41	0.00697	1.23	9.934499	1.22	9.773321	4.78	10.226679	19
42	.00714	1.26	.992594	1.22	.773608	4.80	.226392	18
43	.00731	1.29	.992480	1.22	.773896	4.80	.226104	17
44	.00748	1.32	.992368	1.22	.774184	4.78	.225816	16
45	.00765	1.35	.992258	1.22	.774471	4.78	.225529	15
46	.00782	1.38	.992150	1.22	.774759	4.80	.225241	14
47	.00799	1.41	.992044	1.22	.775046	4.78	.224954	13
48	.00816	1.44	.991940	1.22	.775333	4.78	.224667	12
49	.00833	1.47	.991838	1.22	.775621	4.78	.224379	11
50	.00850	1.50	.991738	1.22	.775908	4.78	.224092	10
51	0.00867	1.53	9.933747	1.22	9.776196	4.78	10.223805	9
52	.00884	1.56	.991640	1.22	.776482	4.77	.223518	8
53	.00901	1.59	.991544	1.22	.776768	4.78	.223232	7
54	.00918	1.62	.991450	1.22	.777055	4.78	.222945	6
55	.00935	1.65	.991358	1.22	.777343	4.78	.222658	5
56	.00952	1.68	.991268	1.22	.777632	4.77	.222372	4
57	.00969	1.71	.991179	1.22	.777921	4.78	.222086	3
58	.00986	1.74	.991092	1.22	.778210	4.77	.221800	2
59	.01003	1.77	.991007	1.22	.778498	4.78	.221514	1
60	.01020	1.80	9.933066	1.25	9.778784	4.77	10.221229	0'
120° Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	69°	

31°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 145°	
0'	9.711839	8.52	9.933066	1.27	9.778774	4.77	10.221226	60'
1	.712009	3.50	.932950	1.27	.779000	4.77	.220940	59
2	.712179	3.49	.932835	1.27	.779246	4.77	.220654	58
3	.712349	3.50	.932720	1.27	.779492	4.77	.220368	57
4	.712519	3.50	.932605	1.27	.779738	4.77	.220082	56
5	.712689	3.49	.932490	1.27	.780000	4.77	.219777	55
6	.712859	3.50	.932375	1.27	.780262	4.77	.219461	54
7	.713028	3.49	.932260	1.27	.780524	4.75	.219145	53
8	.713198	3.49	.932145	1.27	.780786	4.75	.218829	52
9	.713367	3.49	.932030	1.23	.781048	4.77	.218513	51
10	.713536	3.49	.931915	1.27	.781310	4.75	.218197	50
11	9.714144	3.47	9.932225	1.28	9.781916	4.75	10.218084	49
12	.714322	3.47	.932110	1.27	.782178	4.75	.217799	48
13	.714501	3.48	.932000	1.28	.782440	4.75	.217514	47
14	.714679	3.49	.931890	1.28	.782702	4.75	.217229	46
15	.714858	3.47	.931780	1.27	.782964	4.75	.216944	45
16	.715036	3.47	.931670	1.28	.783226	4.75	.216659	44
17	.715214	3.47	.931560	1.28	.783488	4.75	.216374	43
18	.715392	3.47	.931450	1.28	.783750	4.73	.216089	42
19	.715569	3.48	.931340	1.28	.784012	4.73	.215804	41
20	.715747	3.48	.931230	1.28	.784274	4.75	.215519	40
21	9.716224	3.47	9.931440	1.28	9.784764	4.73	10.215226	39
22	.716422	3.48	.931330	1.28	.785026	4.73	.214942	38
23	.716609	3.48	.931220	1.28	.785288	4.73	.214657	37
24	.716796	3.48	.931110	1.28	.785550	4.73	.214372	36
25	.716983	3.48	.931000	1.28	.785812	4.73	.214087	35
26	.717169	3.48	.930890	1.28	.786074	4.73	.213802	34
27	.717356	3.48	.930780	1.28	.786336	4.73	.213517	33
28	.717542	3.48	.930670	1.28	.786598	4.73	.213232	32
29	.717728	3.48	.930560	1.28	.786860	4.73	.212947	31
30	.717914	3.48	.930450	1.30	.787122	4.73	.212662	30
31	9.718291	3.43	9.930688	1.28	9.787603	4.72	10.212377	29
32	.718497	3.43	.930578	1.30	.787865	4.73	.212114	28
33	.718693	3.43	.930468	1.28	.788127	4.72	.211839	27
34	.718889	3.42	.930358	1.30	.788389	4.72	.211575	26
35	.719084	3.43	.930248	1.30	.788651	4.72	.211310	25
36	.719279	3.42	.930138	1.28	.788913	4.72	.211046	24
37	.719474	3.42	.930028	1.30	.789175	4.72	.210781	23
38	.719669	3.42	.929918	1.30	.789437	4.72	.210517	22
39	.719863	3.42	.929808	1.30	.789699	4.72	.210252	21
40	.720058	3.42	.929698	1.30	.789961	4.72	.209988	20
41	9.720345	3.40	9.929911	1.30	9.790434	4.70	10.209666	19
42	.720549	3.42	.929801	1.30	.790716	4.70	.209424	18
43	.720753	3.42	.929691	1.30	.790999	4.70	.209181	17
44	.720956	3.42	.929581	1.30	.791281	4.70	.208939	16
45	.721160	3.40	.929471	1.30	.791563	4.72	.208697	15
46	.721363	3.40	.929361	1.32	.791846	4.70	.208454	14
47	.721567	3.40	.929251	1.32	.792128	4.70	.208212	13
48	.721770	3.40	.929141	1.30	.792410	4.70	.207970	12
49	.721974	3.40	.929031	1.30	.792692	4.70	.207728	11
50	.722178	3.38	.928921	1.32	.792974	4.70	.207486	10
51	9.722385	3.38	9.929129	1.30	9.793256	4.70	10.207444	9
52	.722588	3.38	.929019	1.32	.793538	4.70	.207202	8
53	.722791	3.38	.928909	1.30	.793819	4.68	.206961	7
54	.722994	3.38	.928799	1.30	.794101	4.70	.206719	6
55	.723197	3.38	.928689	1.32	.794383	4.68	.206478	5
56	.723400	3.38	.928579	1.32	.794664	4.70	.206236	4
57	.723603	3.37	.928469	1.32	.794946	4.70	.205995	3
58	.723806	3.37	.928359	1.32	.795227	4.68	.205754	2
59	.724007	3.37	.928249	1.32	.795508	4.68	.205513	1
60'	9.724210	3.35	9.928420	1.32	9.795789	4.68	10.205271	0'
111°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	63°

第五表 三角函數對數表

22°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 147°	
0'	0.724210	8.37	0.928430	1.50	0.795789	4.68	10.204211	67
1	.724412	3.37	.928542	1.52	.795970	4.68	.203830	59
2	.724614	3.37	.928653	1.53	.796151	4.68	.203940	58
3	.724816	3.35	.928763	1.53	.796332	4.68	.203963	57
4	.725017	3.35	.928874	1.52	.796513	4.68	.203987	56
5	.725219	3.37	.928985	1.52	.796694	4.67	.203986	55
6	.725420	3.35	.929096	1.52	.796875	4.68	.203956	54
7	.725622	3.35	.929207	1.53	.797056	4.68	.203925	53
8	.725823	3.35	.929318	1.52	.797237	4.67	.203894	52
9	.726024	3.35	.929429	1.52	.797418	4.67	.203863	51
10	.726225	3.35	.929540	1.53	.797599	4.68	.203832	50
11	0.726426	3.33	0.929650	1.52	.797780	4.67	.203801	48
12	.726627	3.35	.929761	1.53	.797961	4.67	.203770	47
13	.726828	3.33	.929872	1.52	.798142	4.67	.203739	46
14	.727029	3.33	.929983	1.52	.798323	4.67	.203708	45
15	.727230	3.33	.930094	1.53	.798504	4.67	.203677	44
16	.727431	3.33	.930205	1.53	.798685	4.65	.203646	42
17	.727632	3.33	.930316	1.53	.798866	4.65	.203615	44
18	.727833	3.32	.930427	1.53	.799047	4.67	.203584	41
19	.728034	3.33	.930538	1.53	.799228	4.67	.203553	40
20	.728235	3.33	.930649	1.53	.799409	4.65	.203522	39
21	0.728436	3.32	0.930760	1.53	.799590	4.65	10.193325	38
22	.728637	3.32	.930871	1.53	.799771	4.65	.193045	30
23	.728838	3.32	.930982	1.53	.800052	4.65	.193014	28
24	.729039	3.32	.931093	1.53	.800233	4.65	.192983	27
25	.729240	3.32	.931204	1.53	.800414	4.65	.192952	26
26	.729441	3.32	.931315	1.53	.800595	4.65	.192921	25
27	.729642	3.32	.931426	1.53	.800776	4.65	.192890	24
28	.729843	3.32	.931537	1.53	.800957	4.65	.192859	23
29	.730044	3.32	.931648	1.53	.801138	4.65	.192828	22
30	.730245	3.32	.931759	1.53	.801319	4.65	.192797	21
31	0.730446	3.30	0.931870	1.53	.801500	4.65	10.193334	20
32	.730647	3.30	.931981	1.53	.801681	4.65	.192766	19
33	.730848	3.30	.932092	1.53	.801862	4.65	.192735	18
34	.731049	3.30	.932203	1.53	.802043	4.65	.192704	17
35	.731250	3.29	.932314	1.53	.802224	4.65	.192673	16
36	.731451	3.29	.932425	1.53	.802405	4.65	.192642	15
37	.731652	3.29	.932536	1.53	.802586	4.65	.192611	14
38	.731853	3.29	.932647	1.53	.802767	4.65	.192580	13
39	.732054	3.29	.932758	1.53	.802948	4.65	.192549	12
40	.732255	3.29	.932869	1.53	.803129	4.65	.192518	11
41	0.732456	3.28	0.932980	1.53	.803310	4.65	10.192751	10
42	.732657	3.28	.933091	1.53	.803491	4.65	.192478	19
43	.732858	3.28	.933202	1.53	.803672	4.65	.192447	18
44	.733059	3.28	.933313	1.53	.803853	4.65	.192416	17
45	.733260	3.28	.933424	1.53	.804034	4.65	.192385	16
46	.733461	3.27	.933535	1.53	.804215	4.65	.192354	15
47	.733662	3.27	.933646	1.53	.804396	4.65	.192323	14
48	.733863	3.27	.933757	1.53	.804577	4.65	.192292	13
49	.734064	3.27	.933868	1.53	.804758	4.65	.192261	12
50	.734265	3.27	.933979	1.53	.804939	4.62	.192230	11
51	0.734466	3.27	0.934090	1.53	.805120	4.62	10.189075	9
52	.734667	3.25	.934201	1.53	.805301	4.62	.189225	8
53	.734868	3.25	.934312	1.53	.805482	4.62	.189194	7
54	.735069	3.27	.934423	1.53	.805663	4.62	.189163	6
55	.735270	3.25	.934534	1.53	.805844	4.62	.189132	5
56	.735471	3.25	.934645	1.53	.806025	4.62	.189101	4
57	.735672	3.25	.934756	1.53	.806206	4.62	.189070	3
58	.735873	3.25	.934867	1.53	.806387	4.62	.189039	2
59	.736074	3.25	.934978	1.53	.806568	4.62	.189008	1
60	0.736275	3.25	0.935089	1.53	.806749	4.62	10.187458	0
123°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang. 57°	

72 第五表 三角函數對數表

33°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 145°	
0'	9.736109	3.23	9.922591	1.37	9.812517	4.63	10.187483	60'
1	736303	3.25	922509	1.37	812794	4.60	187306	59
2	736496	3.23	922427	1.37	813070	4.63	186930	58
3	736692	3.23	922345	1.37	813347	4.60	186553	57
4	736886	3.23	922263	1.37	813623	4.60	186177	56
5	737080	3.23	922181	1.38	813899	4.60	185801	55
6	737274	3.23	922098	1.38	814176	4.62	185424	54
7	737467	3.23	922016	1.38	814452	4.60	185048	53
8	737661	3.23	921933	1.37	814728	4.60	184672	52
9	737855	3.22	921851	1.38	815004	4.60	184296	51
10	738049	3.22	921768	1.37	815280	4.58	183920	50
11	9.738241	3.22	9.921685	1.58	9.815555	4.60	10.184445	49
12	738434	3.22	921603	1.58	815831	4.60	184169	48
13	738627	3.22	921520	1.58	816107	4.60	183827	47
14	738820	3.22	921438	1.57	816382	4.58	183518	46
15	739018	3.22	921355	1.58	816658	4.60	183342	45
16	739206	3.22	921272	1.58	816933	4.60	183067	44
17	739396	3.20	921189	1.58	817209	4.58	182791	43
18	739590	3.22	921106	1.58	817484	4.58	182516	42
19	739783	3.20	921023	1.58	817759	4.60	182241	41
20	739975	3.20	920940	1.58	818035	4.58	181965	40
21	9.740167	3.20	9.920857	1.58	9.818510	4.63	10.181690	39
22	740359	3.18	920774	1.58	818585	4.58	181415	38
23	740550	3.20	920691	1.58	818860	4.58	181140	37
24	740742	3.20	920607	1.40	819135	4.58	180865	36
25	740934	3.20	920524	1.58	819410	4.58	180590	35
26	741125	3.18	920441	1.40	819684	4.58	180316	34
27	741316	3.20	920357	1.58	819959	4.58	180041	33
28	741506	3.18	920274	1.40	820234	4.57	179766	32
29	741699	3.17	920190	1.40	820508	4.58	179492	31
30	741889	3.18	920107	1.40	820783	4.57	179217	30
31	9.742080	3.18	9.920023	1.40	9.821257	4.58	10.178943	29
32	742271	3.18	920039	1.38	821532	4.58	178668	28
33	742463	3.18	920056	1.40	821806	4.57	178394	27
34	742652	3.17	920072	1.40	822080	4.57	178120	26
35	742842	3.17	920088	1.42	822354	4.57	177846	25
36	743033	3.18	920004	1.40	822629	4.58	177571	24
37	743223	3.17	920020	1.40	822903	4.57	177297	23
38	743413	3.18	920036	1.42	823177	4.57	177023	22
39	743602	3.15	920052	1.40	823451	4.57	176749	21
40	743792	3.17	920068	1.40	823724	4.58	176474	20
41	9.743982	3.15	9.920084	1.42	9.824198	4.57	10.176292	19
42	744171	3.18	920099	1.42	824472	4.57	176203	18
43	744361	3.15	920115	1.40	824745	4.55	175928	17
44	744550	3.15	919931	1.40	825019	4.57	175653	16
45	744739	3.15	919846	1.40	825293	4.55	175378	15
46	744928	3.15	919762	1.42	825567	4.55	175103	14
47	745117	3.15	919677	1.40	825840	4.57	174828	13
48	745306	3.13	919593	1.42	826113	4.55	174553	12
49	745494	3.13	919508	1.40	826386	4.55	174278	11
50	745683	3.13	919424	1.43	826659	4.55	174001	10
51	9.745871	3.15	9.919339	1.42	9.826932	4.55	10.173468	9
52	746060	3.18	919254	1.42	826825	4.55	173195	8
53	746248	3.18	919169	1.40	827098	4.55	172922	7
54	746436	3.18	919085	1.40	827371	4.55	172649	6
55	746624	3.13	919000	1.42	827644	4.55	172376	5
56	746812	3.12	918915	1.42	827917	4.55	172103	4
57	746999	3.13	918830	1.43	828190	4.55	171830	3
58	747187	3.12	918745	1.43	828463	4.53	171558	2
59	747374	3.12	918659	1.43	828735	4.53	171285	1
60'	9.747563	3.13	9.918574	1.42	9.828987	4.53	10.171013	0'
123°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	56°



第五表 三角函數對數表

°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 144°	°
0'	9.747562	8.12	9.918574	1.42	9.828987	4.53	10.171013	60'
1	.747749	8.12	.918489	1.42	.829260	4.53	.170740	59
2	.747936	8.12	.918404	1.43	.829532	4.53	.170468	58
3	.748123	8.12	.918316	1.43	.829805	4.53	.170195	57
4	.748310	8.12	.918233	1.42	.830077	4.53	.169923	56
5	.748497	8.12	.918147	1.43	.830349	4.53	.169651	55
6	.748683	8.12	.918062	1.42	.830621	4.53	.169379	54
7	.748870	8.12	.917976	1.42	.830893	4.53	.169107	53
8	.749056	8.12	.917891	1.43	.831165	4.53	.168835	52
9	.749243	8.12	.917806	1.43	.831437	4.53	.168563	51
10	.749429	8.10	.917719	1.42	.831709	4.53	.168291	50
11	9.749615	8.10	9.917634	1.43	9.831981	4.53	10.168019	49
12	.749801	8.10	.917545	1.43	.832253	4.53	.167747	48
13	.749987	8.10	.917462	1.43	.832525	4.53	.167475	47
14	.750172	8.08	.917376	1.43	.832795	4.52	.167204	46
15	.750358	8.10	.917290	1.43	.833068	4.53	.166932	45
16	.750543	8.08	.917204	1.43	.833339	4.53	.166661	44
17	.750729	8.08	.917118	1.43	.833611	4.52	.166389	43
18	.750914	8.08	.917032	1.43	.833882	4.53	.166118	42
19	.751099	8.08	.916945	1.43	.834154	4.52	.165846	41
20	.751284	8.08	.916859	1.43	.834425	4.52	.165575	40
21	9.751469	8.08	9.916772	1.43	9.834697	4.52	10.165304	39
22	.751654	8.08	.916687	1.43	.834967	4.52	.165033	38
23	.751839	8.08	.916600	1.43	.835235	4.52	.164762	37
24	.752023	8.07	.916514	1.43	.835509	4.52	.164491	36
25	.752208	8.08	.916427	1.43	.835780	4.52	.164220	35
26	.752392	8.07	.916341	1.45	.836051	4.52	.163949	34
27	.752576	8.07	.916254	1.45	.836322	4.52	.163678	33
28	.752760	8.08	.916167	1.43	.836593	4.52	.163407	32
29	.752944	8.07	.916081	1.43	.836864	4.52	.163136	31
30	.753128	8.07	.915994	1.45	.837134	4.52	.162865	30
31	9.753312	8.05	9.915907	1.45	9.837405	4.50	10.162595	29
32	.753495	8.05	.915820	1.45	.837675	4.50	.162323	28
33	.753679	8.07	.915733	1.45	.837943	4.52	.162052	27
34	.753862	8.05	.915646	1.45	.838215	4.50	.161781	26
35	.754045	8.05	.915559	1.45	.838487	4.50	.161510	25
36	.754229	8.05	.915472	1.45	.838757	4.50	.161239	24
37	.754412	8.05	.915385	1.45	.839027	4.50	.160967	23
38	.754595	8.05	.915297	1.47	.839297	4.50	.160695	22
39	.754778	8.05	.915210	1.45	.839565	4.52	.160422	21
40	.754960	8.03	.915123	1.45	.839833	4.50	.160150	20
41	9.755143	8.05	9.915035	1.45	9.840108	4.50	10.159892	19
42	.755326	8.05	.914948	1.45	.840378	4.50	.159620	18
43	.755508	8.03	.914860	1.47	.840643	4.48	.159347	17
44	.755690	8.03	.914773	1.47	.840917	4.50	.159073	16
45	.755872	8.03	.914685	1.45	.841187	4.50	.158801	15
46	.756054	8.03	.914598	1.47	.841457	4.50	.158528	14
47	.756236	8.03	.914510	1.47	.841727	4.50	.158253	13
48	.756418	8.03	.914422	1.47	.841996	4.48	.157978	12
49	.756600	8.03	.914334	1.47	.842265	4.50	.157704	11
50	.756782	8.02	.914246	1.47	.842533	4.50	.157429	10
51	9.756963	8.02	9.914158	1.47	9.842805	4.48	10.157195	9
52	.757144	8.02	.914070	1.47	.843074	4.48	.156920	8
53	.757326	8.02	.913982	1.47	.843343	4.48	.156645	7
54	.757507	8.02	.913894	1.47	.843612	4.50	.156370	6
55	.757689	8.02	.913806	1.47	.843882	4.48	.156095	5
56	.757870	8.02	.913717	1.47	.844151	4.48	.155820	4
57	.758050	8.02	.913630	1.47	.844420	4.48	.155545	3
58	.758230	8.02	.913541	1.45	.844689	4.48	.155270	2
59	.758411	8.02	.913453	1.47	.844957	4.48	.155000	1
60'	9.758591	8.00	9.913365	1.47	9.845227	4.48	10.154773	0'

144°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	54°
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角°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 144°	
0	9.756591	3.00	9.913365	1.48	9.845227	4.43	10.154773	60
1	.756772	3.00	.913276	1.48	.845496	4.47	.154504	59
2	.756952	3.00	.913187	1.47	.845764	4.49	.154236	58
3	.757132	3.00	.913099	1.47	.846033	4.48	.153967	57
4	.757312	3.00	.913010	1.47	.846303	4.48	.153698	56
5	.757492	3.00	.912922	1.47	.846570	4.47	.153430	55
6	.757672	3.00	.912833	1.48	.846839	4.48	.153161	54
7	.757852	2.98	.912744	1.48	.847108	4.47	.152892	53
8	.758031	3.00	.912655	1.48	.847376	4.47	.152624	52
9	.758211	2.98	.912566	1.48	.847644	4.48	.152356	51
10	.758390	2.98	.912477	1.48	.847913	4.47	.152087	50
11	9.760669	2.96	9.912388	1.48	9.848181	4.47	10.151819	49
12	.760745	2.95	.912299	1.48	.848449	4.47	.151551	48
13	.760927	2.96	.912210	1.48	.848717	4.48	.151283	47
14	.761106	2.98	.912121	1.48	.848986	4.48	.151014	46
15	.761285	2.98	.912031	1.50	.849254	4.47	.150746	45
16	.761464	2.98	.911942	1.48	.849522	4.47	.150478	44
17	.761642	2.98	.911853	1.50	.849790	4.45	.150210	43
18	.761821	2.97	.911763	1.48	.850057	4.47	.149943	42
19	.761999	2.97	.911674	1.48	.850325	4.47	.149675	41
20	.762177	2.97	.911584	1.50	.850593	4.47	.149407	40
21	9.762355	2.97	9.911495	1.48	9.850861	4.47	10.149139	39
22	.762534	2.97	.911405	1.50	.851129	4.45	.148871	38
23	.762712	2.97	.911315	1.50	.851396	4.47	.148604	37
24	.762889	2.95	.911226	1.48	.851664	4.47	.148336	36
25	.763067	2.97	.911136	1.50	.851931	4.47	.148068	35
26	.763245	2.95	.911046	1.50	.852199	4.45	.147801	34
27	.763422	2.97	.910956	1.50	.852466	4.45	.147534	33
28	.763599	2.97	.910866	1.50	.852733	4.45	.147267	32
29	.763777	2.95	.910776	1.50	.853001	4.47	.146999	31
30	.763954	2.95	.910686	1.50	.853268	4.45	.146732	30
31	9.764131	2.95	9.910596	1.50	9.853535	4.45	10.146465	29
32	.764308	2.95	.910506	1.52	.853802	4.45	.146198	28
33	.764485	2.95	.910415	1.52	.854069	4.45	.145931	27
34	.764662	2.96	.910325	1.50	.854336	4.45	.145664	26
35	.764838	2.95	.910235	1.52	.854603	4.45	.145397	25
36	.765015	2.93	.910144	1.50	.854870	4.45	.145130	24
37	.765191	2.93	.910054	1.52	.855137	4.45	.144863	23
38	.765367	2.93	.909963	1.52	.855404	4.45	.144596	22
39	.765544	2.95	.909873	1.52	.855671	4.45	.144329	21
40	.765720	2.93	.909783	1.52	.855938	4.43	.144062	20
41	9.765896	2.93	9.909691	1.50	9.856204	4.45	10.143796	19
42	.766072	2.93	.909601	1.52	.856471	4.43	.143529	18
43	.766247	2.92	.909510	1.52	.856737	4.43	.143262	17
44	.766423	2.93	.909419	1.52	.857004	4.43	.142995	16
45	.766598	2.93	.909328	1.52	.857270	4.43	.142728	15
46	.766774	2.92	.909237	1.53	.857537	4.43	.142461	14
47	.766949	2.92	.909146	1.53	.857803	4.43	.142194	13
48	.767124	2.92	.909055	1.52	.858069	4.43	.141927	12
49	.767300	2.93	.908964	1.52	.858336	4.43	.141661	11
50	.767475	2.92	.908873	1.53	.858602	4.43	.141393	10
51	9.767649	2.92	9.908781	1.52	9.858868	4.43	10.141132	9
52	.767824	2.92	.908690	1.52	.859134	4.43	.140866	8
53	.767999	2.92	.908600	1.53	.859400	4.43	.140600	7
54	.768173	2.92	.908507	1.52	.859666	4.43	.140334	6
55	.768348	2.90	.908415	1.53	.859932	4.43	.140068	5
56	.768522	2.90	.908324	1.52	.860198	4.43	.139802	4
57	.768697	2.92	.908233	1.52	.860464	4.43	.139536	3
58	.768871	2.90	.908141	1.53	.860730	4.43	.139270	2
59	.769045	2.90	.908050	1.53	.860995	4.42	.139005	1
60	9.769219	2.90	9.907958	1.52	9.861261	4.43	10.138733	0
125°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	34°

第五表 三角函數對數表

86°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	143°
0'	9.769219	2.90	9.907658	1.53	9.861261	4.43	10.133739	60'
1	.769393	2.83	.907866	1.53	.861397	4.42	.133473	59
2	.769566	2.60	.907771	1.53	.861192	4.42	.133208	58
3	.769740	2.60	.907682	1.53	.863068	4.43	.137942	57
4	.769913	2.68	.907500	1.53	.862223	4.43	.137677	56
5	.770087	2.68	.907498	1.53	.862380	4.42	.137411	55
6	.770260	2.88	.907514	1.53	.862531	4.42	.137145	54
7	.770433	2.88	.907222	1.53	.863110	4.42	.136881	53
8	.770606	2.88	.907129	1.53	.863383	4.43	.136615	52
9	.770779	2.88	.907037	1.53	.863650	4.42	.136350	51
10	.770952	2.83	.906945	1.53	.863915	4.42	.136085	50
11	9.771125	2.88	9.906852	1.53	9.864180	4.42	10.135820	49
12	.771298	2.87	.906852	1.53	.864445	4.42	.135555	48
13	.771470	2.88	.906760	1.53	.864710	4.42	.135290	47
14	.771643	2.87	.906667	1.53	.864975	4.42	.135025	46
15	.771815	2.87	.906573	1.53	.865240	4.42	.134760	45
16	.771987	2.87	.906480	1.53	.865505	4.42	.134495	44
17	.772160	2.87	.906389	1.53	.865770	4.42	.134230	43
18	.772331	2.87	.906296	1.53	.866035	4.42	.133965	42
19	.772503	2.87	.906204	1.53	.866300	4.40	.133700	41
20	.772675	2.87	.906111	1.53	.866564	4.42	.133435	40
21	9.772847	2.83	9.906018	1.53	9.866829	4.42	10.133171	39
22	.773018	2.87	.905925	1.53	.867094	4.40	.133208	38
23	.773190	2.85	.905832	1.53	.867358	4.42	.132943	37
24	.773361	2.87	.905740	1.57	.867623	4.42	.132678	36
25	.773533	2.85	.905645	1.57	.867887	4.40	.132413	35
26	.773704	2.85	.905552	1.53	.868152	4.42	.132148	34
27	.773875	2.85	.905459	1.53	.868416	4.40	.131883	33
28	.774046	2.85	.905366	1.57	.868680	4.42	.131618	32
29	.774217	2.83	.905272	1.53	.868945	4.42	.131353	31
30	.774388	2.83	.905179	1.57	.869209	4.40	.131088	30
31	9.774558	2.85	9.905085	1.53	9.869473	4.40	10.130827	29
32	.774729	2.83	.904992	1.57	.869737	4.40	.130563	28
33	.774899	2.83	.904898	1.57	.870001	4.40	.130299	27
34	.775070	2.85	.904804	1.57	.870265	4.40	.129995	26
35	.775240	2.83	.904711	1.53	.870529	4.40	.129731	25
36	.775410	2.83	.904617	1.57	.870793	4.40	.129467	24
37	.775580	2.83	.904523	1.57	.871057	4.40	.129203	23
38	.775750	2.83	.904429	1.57	.871321	4.40	.128939	22
39	.775920	2.83	.904335	1.57	.871585	4.40	.128675	21
40	.776090	2.83	.904241	1.57	.871849	4.38	.128411	20
41	9.776259	2.83	9.904147	1.57	9.872112	4.40	10.127688	19
42	.776429	2.82	.904053	1.57	.872376	4.40	.127624	18
43	.776598	2.82	.903959	1.57	.872640	4.38	.127360	17
44	.776768	2.82	.903865	1.57	.872904	4.40	.127097	16
45	.776937	2.82	.903770	1.57	.873167	4.38	.126833	15
46	.777106	2.82	.903676	1.59	.873430	4.40	.126569	14
47	.777275	2.82	.903581	1.59	.873694	4.38	.126305	13
48	.777444	2.82	.903487	1.57	.873957	4.38	.126043	12
49	.777613	2.82	.903392	1.53	.874220	4.38	.125780	11
50	.777781	2.82	.903298	1.53	.874484	4.38	.125516	10
51	9.777950	2.82	9.903203	1.53	9.874747	4.38	10.125253	9
52	.778119	2.82	.903108	1.53	.875010	4.38	.124990	8
53	.778287	2.82	.903014	1.53	.875273	4.40	.124727	7
54	.778455	2.82	.902919	1.53	.875537	4.38	.124463	6
55	.778624	2.82	.902824	1.53	.875800	4.38	.124200	5
56	.778792	2.82	.902729	1.53	.876063	4.38	.123937	4
57	.778960	2.82	.902634	1.53	.876326	4.38	.123674	3
58	.779128	2.82	.902539	1.53	.876589	4.38	.123411	2
59	.779295	2.78	.902444	1.53	.876852	4.37	.123148	1
60'	9.779463	2.60	9.902349	1.53	9.877114	4.37	10.122885	0'
126°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	53°

°	Sine.	D. 1".	Costine.	D. 1".	Tang.	D. 1".	Cotang. 142°	°
0	0.779463	2.80	0.902349	1.60	0.877114	4.38	10.122886	60
1	.779631	2.78	.902283	1.58	.877377	4.38	.123023	59
2	.779799	2.80	.902218	1.58	.877640	4.38	.123160	58
3	.779968	2.78	.902153	1.58	.877903	4.38	.123297	57
4	.780133	2.78	.902087	1.60	.878165	4.37	.123435	56
5	.780300	2.78	.902022	1.58	.878428	4.38	.123572	55
6	.780467	2.78	.901957	1.60	.878691	4.37	.123709	54
7	.780634	2.78	.901891	1.60	.878953	4.38	.123847	53
8	.780801	2.78	.901825	1.58	.879216	4.37	.123984	52
9	.780968	2.78	.901760	1.60	.879478	4.38	.124122	51
10	.781134	2.77	.901694	1.60	.879741	4.37	.124259	50
11	0.781301	2.78	0.901629	1.60	0.880003	4.37	10.119697	49
12	.781468	2.77	.901563	1.60	.880265	4.38	.119735	48
13	.781634	2.77	.901498	1.60	.880528	4.38	.119872	47
14	.781800	2.77	.901432	1.60	.880790	4.37	.119910	46
15	.781965	2.77	.901367	1.60	.881052	4.37	.119948	45
16	.782132	2.77	.901301	1.60	.881314	4.38	.119986	44
17	.782299	2.77	.901235	1.60	.881577	4.37	.119923	43
18	.782464	2.77	.901170	1.60	.881839	4.38	.119861	42
19	.782630	2.77	.901104	1.62	.882101	4.37	.119799	41
20	.782795	2.75	.901038	1.60	.882363	4.37	.119737	40
21	0.782961	2.77	0.900973	1.62	0.882625	4.37	10.117375	39
22	.783127	2.77	.900907	1.62	.882887	4.37	.117113	38
23	.783292	2.75	.900841	1.60	.883149	4.35	.116852	37
24	.783458	2.75	.900775	1.60	.883410	4.37	.116590	36
25	.783623	2.75	.900709	1.62	.883672	4.37	.116328	35
26	.783788	2.75	.900643	1.62	.883934	4.37	.116066	34
27	.783953	2.75	.900577	1.62	.884195	4.35	.115804	33
28	.784118	2.75	.900511	1.62	.884457	4.37	.115543	32
29	.784282	2.73	.900445	1.60	.884719	4.37	.115281	31
30	.784447	2.73	.900379	1.62	.884980	4.35	.115020	30
31	0.784612	2.73	0.900313	1.62	0.885242	4.37	10.114758	29
32	.784776	2.73	.900247	1.62	.885504	4.37	.114496	28
33	.784941	2.73	.900181	1.62	.885766	4.35	.114235	27
34	.785105	2.73	.900115	1.62	.886028	4.37	.113974	26
35	.785269	2.73	.900049	1.62	.886290	4.35	.113712	25
36	.785433	2.73	.900000	1.62	.886552	4.37	.113451	24
37	.785597	2.73	.899934	1.62	.886814	4.37	.113189	23
38	.785761	2.73	.899868	1.63	.887076	4.35	.112928	22
39	.785925	2.73	.899802	1.62	.887338	4.35	.112667	21
40	.786089	2.72	.899736	1.62	.887600	4.35	.112406	20
41	0.786253	2.73	0.899670	1.63	0.887862	4.35	10.112145	19
42	.786416	2.73	.899604	1.62	.888124	4.37	.111884	18
43	.786579	2.72	.899538	1.62	.888386	4.35	.111622	17
44	.786742	2.73	.899472	1.63	.888648	4.35	.111361	16
45	.786906	2.73	.899406	1.63	.888910	4.35	.111100	15
46	.787069	2.72	.899340	1.63	.889172	4.33	.110839	14
47	.787232	2.72	.899274	1.63	.889434	4.35	.110578	13
48	.787395	2.72	.899208	1.63	.889696	4.35	.110317	12
49	.787557	2.70	.899142	1.63	.889958	4.35	.110055	11
50	.787720	2.72	.899076	1.63	.890220	4.35	.109794	10
51	0.787883	2.70	0.899010	1.63	0.890482	4.33	10.109533	9
52	.788045	2.73	.898944	1.63	.890744	4.35	.109272	8
53	.788208	2.70	.898878	1.63	.891006	4.33	.109011	7
54	.788370	2.70	.898812	1.63	.891268	4.33	.108750	6
55	.788532	2.70	.898746	1.63	.891530	4.33	.108489	5
56	.788694	2.70	.898680	1.63	.891792	4.33	.108228	4
57	.788856	2.70	.898614	1.63	.892054	4.33	.107967	3
58	.789018	2.70	.898548	1.63	.892316	4.33	.107706	2
59	.789180	2.70	.898482	1.63	.892578	4.33	.107445	1
60	0.789342	2.70	0.898416	1.63	0.892840	4.33	10.107184	0
147°	Costine.	D. 1".	Sine.	D. 1".	Cotang.	D. 1".	Tang.	51°

第五表 三角函數對數表

85°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	141°
0'	9.789242	2.70	9.896532	1.65	9.892810	4.33	10.107190	50'
1	789504	2.68	896493	1.63	896070	4.35	106930	59
2	789765	2.70	896335	1.65	893331	4.33	106620	57
3	789827	2.68	896236	1.65	893591	4.33	106402	57
4	789958	2.68	896137	1.65	893851	4.33	106149	55
5	790149	2.68	896038	1.65	894111	4.33	105889	55
6	790310	2.68	895959	1.65	894372	4.33	105628	54
7	790471	2.68	895840	1.65	894632	4.33	105363	53
8	790632	2.68	895741	1.67	894892	4.33	105108	52
9	790793	2.68	895641	1.65	895152	4.33	104848	51
10	790954	2.68	895542	1.65	895412	4.33	104585	50
11	9.791115	2.67	9.895443	1.67	9.895672	4.33	10.104323	49
12	791275	2.69	895343	1.65	895632	4.33	104353	48
13	791436	2.69	895244	1.65	895992	4.33	103876	47
14	791596	2.67	895145	1.65	896452	4.33	103348	46
15	791757	2.67	895045	1.67	896712	4.33	102863	45
16	791917	2.67	894945	1.65	896971	4.33	102329	44
17	792077	2.67	894845	1.67	897231	4.33	101769	43
18	792237	2.67	894745	1.67	897491	4.33	101269	42
19	792397	2.67	894645	1.67	897751	4.33	100749	41
20	792557	2.65	894545	1.67	898010	4.33	100199	40
21	9.792716	2.67	9.894445	1.67	9.898270	4.33	10.101730	39
22	792876	2.65	894445	1.67	898530	4.33	101470	38
23	793035	2.65	894345	1.67	898789	4.32	101211	37
24	793195	2.65	894245	1.67	899049	4.32	100951	36
25	793354	2.67	894145	1.67	899308	4.33	100692	35
26	793514	2.65	894045	1.67	899568	4.33	100433	33
27	793673	2.67	893945	1.67	899827	4.32	100173	33
28	793832	2.65	893845	1.68	900087	4.33	99913	32
29	793991	2.65	893745	1.67	900346	4.32	99654	31
30	794150	2.63	893644	1.67	900605	4.32	99395	30
31	9.794308	2.65	9.893544	1.68	9.900864	4.33	10.099183	29
32	794457	2.65	893543	1.67	901124	4.33	99876	28
33	794626	2.63	893443	1.68	901383	4.32	99817	27
34	794784	2.63	893342	1.68	901642	4.32	99858	26
35	794943	2.65	893241	1.68	901901	4.32	99899	25
36	795101	2.65	893140	1.68	902160	4.32	99940	24
37	795259	2.63	893039	1.68	902420	4.32	99980	23
38	795417	2.63	892938	1.68	902679	4.32	99921	22
39	795575	2.63	892838	1.70	902938	4.32	99962	21
40	795733	2.63	892735	1.68	903197	4.32	99903	20
41	9.795891	2.63	9.892435	1.68	9.903456	4.30	10.096544	19
42	796049	2.62	892634	1.68	903714	4.32	99844	18
43	796206	2.62	892533	1.68	903973	4.32	99827	17
44	796365	2.62	892432	1.65	904232	4.32	99873	16
45	796521	2.62	892330	1.70	904491	4.32	99850	15
46	796679	2.62	892229	1.68	904750	4.32	99820	14
47	796836	2.62	892127	1.68	905008	4.32	99892	13
48	796993	2.62	892025	1.70	905267	4.32	99873	12
49	797150	2.62	891924	1.68	905525	4.32	99844	11
50	797307	2.62	891823	1.70	905783	4.30	99815	10
51	9.797464	2.62	9.891421	1.70	9.906043	4.32	10.093357	9
52	797621	2.60	891710	1.70	906302	4.30	99865	8
53	797777	2.62	891617	1.70	906560	4.32	99840	7
54	797934	2.62	891515	1.70	906819	4.32	99811	6
55	798091	2.60	891413	1.70	907077	4.32	99823	5
56	798248	2.60	891311	1.70	907335	4.30	99794	4
57	798405	2.62	891209	1.70	907594	4.32	99846	3
58	798560	2.62	891107	1.70	907853	4.32	99817	2
59	798718	2.60	891005	1.70	908111	4.30	99880	1
60'	9.798879	2.60	9.890503	1.70	9.908369	4.30	10.091631	0'
118° Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	51°	

55°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang.	140°
0	9.798372	2.60	9.800603	1.72	9.906369	4.22	10.091631	60
1	.799225	2.60	.800400	1.72	.906228	4.20	.091572	59
2	.799184	2.58	.800298	1.70	.906086	4.20	.091114	58
3	.799139	2.60	.800195	1.70	.905944	4.20	.090656	57
4	.799149	2.60	.800093	1.72	.905802	4.20	.090208	56
5	.799151	2.58	.800020	1.70	.905660	4.20	.089749	55
6	.799153	2.58	.800058	1.70	.905518	4.20	.089291	54
7	.799152	2.60	.800078	1.72	.905377	4.22	.088833	53
8	.799147	2.58	.800062	1.72	.905235	4.20	.088375	52
9	.799127	2.58	.800059	1.70	.905093	4.20	.087917	51
10	.799127	2.58	.800047	1.72	.904951	4.20	.087459	50
11	9.802522	2.58	9.892774	1.72	9.911209	4.20	10.088791	49
12	.800737	2.58	.892771	1.72	.911467	4.20	.088333	48
13	.800692	2.58	.891163	1.73	.911725	4.22	.087875	47
14	.800447	2.57	.890654	1.72	.911982	4.22	.087417	46
15	.800201	2.57	.889961	1.72	.912240	4.20	.086959	45
16	.800256	2.53	.888558	1.72	.912498	4.20	.086502	44
17	.800111	2.57	.888755	1.73	.912756	4.20	.086044	43
18	.800165	2.57	.888551	1.73	.913014	4.22	.085586	42
19	.800119	2.57	.888348	1.73	.913271	4.20	.085129	41
20	.800193	2.58	.888344	1.72	.913529	4.20	.084671	40
21	9.802125	2.57	9.888341	1.73	9.913787	4.22	10.086213	39
22	.800282	2.57	.888357	1.72	.914044	4.20	.085756	38
23	.800436	2.55	.888134	1.72	.914302	4.20	.085298	37
24	.800589	2.55	.888030	1.73	.914560	4.20	.084840	36
25	.800743	2.57	.887926	1.73	.914817	4.22	.084383	35
26	.800897	2.55	.887822	1.73	.915075	4.22	.083925	34
27	.800650	2.57	.887718	1.73	.915332	4.20	.083468	33
28	.800304	2.57	.887614	1.73	.915590	4.22	.083010	32
29	.800357	2.55	.887510	1.73	.915847	4.22	.082553	31
30	.800511	2.57	.887406	1.73	.916104	4.22	.082096	30
31	9.800664	2.55	9.887302	1.73	9.916362	4.22	10.083638	29
32	.800817	2.55	.887168	1.73	.916619	4.22	.083181	28
33	.800970	2.55	.887093	1.75	.916877	4.20	.082723	27
34	.801123	2.53	.886920	1.73	.917134	4.22	.082266	26
35	.801276	2.55	.886886	1.73	.917391	4.22	.081809	25
36	.801428	2.55	.886780	1.73	.917649	4.20	.081352	24
37	.801581	2.53	.886706	1.73	.917906	4.22	.080894	23
38	.801734	2.55	.886571	1.75	.918163	4.22	.080437	22
39	.801886	2.53	.886466	1.75	.918420	4.22	.079980	21
40	.802039	2.53	.886362	1.75	.918677	4.22	.079523	20
41	9.805191	2.53	9.886257	1.75	9.918934	4.22	10.081066	19
42	.805343	2.53	.886132	1.75	.919191	4.22	.079066	18
43	.805495	2.53	.886047	1.75	.919448	4.22	.078608	17
44	.805647	2.53	.885942	1.75	.919705	4.22	.078151	16
45	.805799	2.53	.885857	1.75	.919962	4.22	.077694	15
46	.805951	2.53	.885732	1.75	.920219	4.22	.077237	14
47	.806103	2.53	.885627	1.75	.920476	4.22	.076780	13
48	.806254	2.52	.885522	1.75	.920733	4.22	.076323	12
49	.806406	2.52	.885416	1.75	.920990	4.22	.075866	11
50	.806557	2.53	.885311	1.77	.921247	4.27	.075409	10
51	9.806709	2.52	9.885205	1.75	9.921503	4.22	10.078497	9
52	.806860	2.52	.885100	1.77	.921760	4.22	.074950	8
53	.807011	2.53	.884994	1.75	.922017	4.22	.074493	7
54	.807163	2.52	.884889	1.77	.922274	4.22	.074036	6
55	.807314	2.52	.884783	1.77	.922530	4.27	.073579	5
56	.807465	2.52	.884677	1.77	.922787	4.22	.073122	4
57	.807615	2.52	.884572	1.75	.923044	4.22	.072665	3
58	.807766	2.52	.884495	1.77	.923300	4.22	.072208	2
59	.807917	2.50	.884390	1.77	.923557	4.22	.071751	1
60	9.808067		9.884284	1.77	9.923814	4.22	10.076188	0
129°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	50°

第五表 三角函數對數表

40°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 139°	
0'	9.808067	2.59	9.884254	1.77	9.923814	4.27	10.076186	60'
1	.808218	2.50	.884148	1.77	924070	4.28	.075290	59
2	.808368	2.52	.884042	1.77	.924327	4.27	.075673	58
3	.808519	2.50	.883936	1.78	.924583	4.28	.075417	57
4	.808669	2.50	.883829	1.78	.924840	4.27	.075160	56
5	.808819	2.50	.883723	1.77	.925096	4.27	.074904	55
6	.808968	2.50	.883617	1.77	.925352	4.27	.074648	54
7	.809119	2.50	.883510	1.77	.925609	4.28	.074391	53
8	.809269	2.50	.883404	1.78	.925865	4.28	.074135	52
9	.809419	2.50	.883297	1.78	.926122	4.27	.073878	51
10	.809569	2.48	.883191	1.78	.926378	4.27	.073622	50
11	9.809718	2.50	9.883084	1.78	9.926634	4.27	10.073366	49
12	.809868	2.49	.882977	1.77	.926890	4.27	.073110	48
13	.810017	2.49	.882871	1.77	.927147	4.28	.072853	47
14	.810167	2.49	.882764	1.78	.927403	4.27	.072597	46
15	.810316	2.48	.882657	1.78	.927659	4.27	.072341	45
16	.810465	2.48	.882550	1.78	.927915	4.27	.072085	44
17	.810614	2.49	.882443	1.78	.928171	4.27	.071829	43
18	.810763	2.48	.882336	1.78	.928427	4.27	.071573	42
19	.810912	2.48	.882229	1.78	.928684	4.28	.071316	41
20	.811061	2.48	.882121	1.80	.928940	4.27	.071060	40
21	9.811210	2.47	9.882014	1.78	9.929196	4.27	10.070804	39
22	.811358	2.47	.881907	1.78	.929452	4.27	.070648	38
23	.811507	2.47	.881799	1.78	.929708	4.27	.070392	37
24	.811655	2.48	.881692	1.80	.929964	4.27	.070136	36
25	.811804	2.47	.881584	1.78	.930220	4.25	.069780	35
26	.811952	2.47	.881477	1.78	.930475	4.25	.069524	34
27	.812100	2.47	.881369	1.80	.930731	4.27	.069268	33
28	.812248	2.47	.881261	1.80	.930987	4.27	.069013	32
29	.812396	2.47	.881153	1.80	.931243	4.27	.068757	31
30	.812544	2.47	.881045	1.80	.931499	4.27	.068501	30
31	9.812692	2.47	9.880938	1.80	9.931755	4.25	10.068245	29
32	.812840	2.47	.880830	1.80	.932010	4.27	.067990	28
33	.812988	2.47	.880722	1.82	.932266	4.27	.067734	27
34	.813135	2.45	.880613	1.80	.932522	4.27	.067478	26
35	.813283	2.45	.880506	1.80	.932777	4.27	.067222	25
36	.813430	2.45	.880397	1.80	.933033	4.25	.066967	24
37	.813578	2.47	.880289	1.82	.933289	4.27	.066711	23
38	.813725	2.45	.880180	1.80	.933545	4.25	.066455	22
39	.813872	2.45	.880072	1.82	.933800	4.27	.066200	21
40	.814019	2.45	.879963	1.80	.934056	4.25	.065944	20
41	9.814166	2.45	9.879855	1.82	9.934311	4.27	10.065689	19
42	.814313	2.45	.879748	1.82	.934567	4.25	.065433	18
43	.814460	2.45	.879640	1.82	.934822	4.27	.065178	17
44	.814607	2.45	.879532	1.80	.935078	4.27	.064922	16
45	.814753	2.43	.879423	1.82	.935333	4.25	.064667	15
46	.814900	2.43	.879314	1.82	.935589	4.25	.064411	14
47	.815046	2.43	.879205	1.82	.935844	4.27	.064155	13
48	.815193	2.45	.879096	1.82	.936100	4.25	.063900	12
49	.815339	2.43	.878987	1.82	.936355	4.25	.063645	11
50	.815485	2.43	.878878	1.82	.936611	4.27	.063389	10
51	9.815632	2.43	9.878769	1.82	9.936866	4.25	10.063134	9
52	.815778	2.43	.878660	1.82	.937121	4.27	.062879	8
53	.815924	2.43	.878551	1.82	.937377	4.27	.062623	7
54	.816069	2.42	.878442	1.82	.937632	4.23	.062368	6
55	.816215	2.43	.878333	1.82	.937887	4.25	.062113	5
56	.816361	2.42	.878224	1.82	.938142	4.27	.061858	4
57	.816507	2.43	.878115	1.82	.938398	4.25	.061603	3
58	.816653	2.43	.878006	1.82	.938653	4.25	.061347	2
59	.816798	2.43	.877897	1.82	.938909	4.25	.061092	1
60'	9.816944	2.43	9.877789	1.82	9.939163	4.25	10.060837	0'
139° Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	49°	

41°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 153°
0	9.816943	2.42	9.877790	1.83	9.939163	4.25	10.002637 60'
1	.817083	2.42	.877970	1.83	.939418	4.25	.002682 59
2	.817223	2.42	.878150	1.83	.939673	4.25	.002727 58
3	.817377	2.43	.878340	1.83	.939928	4.25	.002772 57
4	.817534	2.42	.878540	1.83	.940183	4.25	.002817 56
5	.817668	2.43	.878720	1.83	.940439	4.25	.002861 55
6	.817813	2.43	.878910	1.83	.940694	4.25	.002906 54
7	.817968	2.42	.879110	1.83	.940949	4.25	.002951 53
8	.818103	2.42	.879320	1.83	.941204	4.25	.002996 52
9	.818247	2.40	.879530	1.83	.941459	4.25	.003041 51
10	.818392	2.42	.879740	1.83	.941713	4.25	.003087 50
11	9.815536	2.42	9.876563	1.85	9.941968	4.25	10.003032 49
12	.819081	2.42	.876437	1.85	.942223	4.25	.003077 48
13	.819285	2.40	.876347	1.85	.942473	4.25	.003123 47
14	.819469	2.40	.876292	1.85	.942723	4.25	.003167 46
15	.819113	2.40	.876125	1.85	.942968	4.25	.003212 45
16	.819257	2.40	.876014	1.83	.943213	4.25	.003257 44
17	.819401	2.40	.875901	1.83	.943458	4.25	.003302 43
18	.819545	2.40	.875793	1.83	.943702	4.25	.003348 42
19	.819689	2.40	.875682	1.83	.943947	4.25	.003393 41
20	.819832	2.38	.875571	1.87	.944192	4.25	.003438 40
21	9.819775	2.40	9.875452	1.85	9.944517	4.25	10.003483 39
22	.820130	2.38	.875343	1.85	.944771	4.25	.003529 38
23	.820263	2.38	.875237	1.85	.945026	4.25	.003574 37
24	.820406	2.40	.875129	1.87	.945281	4.25	.003620 36
25	.820330	2.38	.875014	1.85	.945535	4.25	.003665 35
26	.820363	2.37	.874903	1.87	.945789	4.25	.003711 34
27	.820396	2.38	.874791	1.87	.946045	4.25	.003757 33
28	.820429	2.38	.874680	1.85	.946300	4.25	.003803 32
29	.820462	2.38	.874569	1.87	.946554	4.25	.003849 31
30	.821265	2.37	.874456	1.87	.946808	4.25	.003895 30
31	9.821407	2.38	9.874344	1.87	9.947063	4.25	10.003941 29
32	.821550	2.38	.874232	1.85	.947318	4.25	.003987 28
33	.821693	2.37	.874121	1.87	.947572	4.25	.004033 27
34	.821836	2.37	.874009	1.88	.947827	4.25	.004079 26
35	.821977	2.38	.873899	1.87	.948081	4.25	.004125 25
36	.822119	2.37	.873784	1.87	.948335	4.25	.004171 24
37	.822262	2.37	.873672	1.87	.948589	4.25	.004217 23
38	.822404	2.37	.873560	1.87	.948844	4.25	.004263 22
39	.822546	2.37	.873448	1.88	.949099	4.25	.004309 21
40	.822688	2.37	.873335	1.87	.949353	4.25	.004355 20
41	9.822830	2.37	9.873223	1.88	9.949608	4.25	10.004399 19
42	.822972	2.37	.873110	1.87	.949862	4.25	.004445 18
43	.823114	2.35	.872998	1.88	.950116	4.25	.004491 17
44	.823255	2.37	.872885	1.88	.950371	4.25	.004537 16
45	.823397	2.37	.872772	1.88	.950625	4.25	.004583 15
46	.823539	2.37	.872659	1.88	.950879	4.25	.004629 14
47	.823680	2.35	.872547	1.87	.951133	4.25	.004675 13
48	.823821	2.35	.872434	1.88	.951388	4.25	.004721 12
49	.823963	2.37	.872321	1.88	.951642	4.25	.004767 11
50	.824104	2.35	.872208	1.88	.951896	4.25	.004813 10
51	9.824245	2.35	9.872095	1.90	9.952150	4.25	10.004758 9
52	.824386	2.35	.871981	1.88	.952405	4.25	.004804 8
53	.824527	2.35	.871868	1.88	.952659	4.25	.004850 7
54	.824668	2.33	.871755	1.90	.952913	4.25	.004896 6
55	.824808	2.35	.871641	1.88	.953167	4.25	.004942 5
56	.824949	2.35	.871529	1.88	.953421	4.25	.004988 4
57	.825090	2.35	.871414	1.90	.953675	4.25	.005034 3
58	.825230	2.33	.871301	1.88	.953929	4.25	.005080 2
59	.825371	2.33	.871187	1.90	.954182	4.25	.005126 1
60	9.825511	2.33	9.871073	1.90	9.954437	4.25	10.005172 0'
151°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang. 43°



第五表 三角函數對數表

43°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 47°	
0'	0.825511	2.33	0.871073	1.88	9.954487	4.23	10.045593	60'
1	825651	2.33	870960	1.90	984691	4.25	045309	59
2	825791	2.33	870846	1.90	984846	4.25	045054	58
3	825931	2.33	870732	1.90	984990	4.25	044800	57
4	826071	2.33	870618	1.90	985154	4.25	044546	56
5	826211	2.33	870504	1.90	985308	4.25	044292	55
6	826351	2.33	870390	1.90	985461	4.25	044039	54
7	826491	2.33	870276	1.92	985625	4.25	043785	53
8	826631	2.33	870161	1.92	985789	4.25	043531	52
9	826770	2.32	870047	1.90	985973	4.23	043277	51
10	826910	2.32	869933	1.92	986177	4.23	043023	50
11	0.827049	2.33	0.869818	1.90	9.985791	4.23	10.042799	49
12	827189	2.32	869704	1.92	987485	4.23	042535	48
13	827328	2.32	869589	1.92	987739	4.23	042291	47
14	827467	2.32	869474	1.90	987993	4.23	042047	46
15	827606	2.32	869360	1.92	988247	4.22	041803	45
16	827745	2.32	869245	1.92	988500	4.22	041559	44
17	827884	2.32	869130	1.92	988754	4.22	041316	43
18	828023	2.32	869015	1.92	989008	4.22	041072	42
19	828162	2.32	868900	1.92	989262	4.22	040828	41
20	828301	2.30	868785	1.92	989516	4.22	040584	40
21	0.828439	2.32	0.868670	1.90	9.989769	4.22	10.04031	39
22	828578	2.30	868555	1.92	990021	4.22	039977	38
23	828718	2.32	868440	1.93	990277	4.22	039723	37
24	828858	2.30	868324	1.92	990530	4.22	039470	36
25	828998	2.30	868209	1.92	990784	4.22	039216	35
26	829137	2.30	868093	1.93	991038	4.22	038962	34
27	829276	2.30	867978	1.92	991293	4.22	038708	33
28	829415	2.30	867862	1.92	991547	4.22	038455	32
29	829554	2.30	867747	1.93	991799	4.22	038201	31
30	829693	2.30	867631	1.93	992052	4.22	037948	30
31	0.829831	2.30	0.867515	1.93	9.992306	4.22	10.037694	29
32	829969	2.30	867399	1.93	992560	4.22	037440	28
33	830107	2.30	867283	1.93	992813	4.22	037187	27
34	830244	2.28	867167	1.93	993067	4.22	036933	26
35	830382	2.28	867051	1.93	993320	4.22	036680	25
36	830519	2.28	866935	1.93	993574	4.22	036426	24
37	830656	2.28	866819	1.93	993828	4.22	036172	23
38	830794	2.28	866703	1.95	994081	4.22	035919	22
39	830931	2.28	866586	1.95	994335	4.22	035665	21
40	831068	2.28	866470	1.95	994588	4.22	035412	20
41	0.831195	2.28	0.866353	1.93	9.994843	4.22	10.035158	19
42	831332	2.28	866237	1.93	995095	4.22	034905	18
43	831469	2.28	866120	1.95	995349	4.22	034651	17
44	831606	2.28	866004	1.95	995602	4.22	034398	16
45	831743	2.28	865887	1.95	995855	4.22	034145	15
46	831879	2.27	865770	1.95	996109	4.22	033891	14
47	832015	2.27	865653	1.95	996362	4.22	033638	13
48	832152	2.28	865536	1.95	996616	4.22	033384	12
49	832288	2.28	865419	1.95	996869	4.22	033131	11
50	832425	2.27	865302	1.95	997123	4.22	032877	10
51	0.832561	2.27	0.865185	1.95	9.997376	4.22	10.032621	9
52	832697	2.27	865068	1.97	997629	4.22	032371	8
53	832833	2.27	864950	1.95	997883	4.22	032117	7
54	832969	2.27	864833	1.95	998136	4.22	031864	6
55	833105	2.27	864716	1.95	998389	4.22	031611	5
56	833241	2.27	864598	1.97	998643	4.22	031357	4
57	833377	2.27	864481	1.95	998896	4.22	031104	3
58	833512	2.27	864363	1.97	999149	4.22	030851	2
59	833648	2.25	864245	1.97	999402	4.22	030597	1
60'	0.833783	2.25	0.864127	1.97	9.999655	4.22	10.030344	0'
43°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang. 47°	

43°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 1'.	44°
0'	9.833783		9.864127	1.95	9.969556	4.22	10.030344	60'
1	833919	2.27	864010	1.97	969909	4.22	030091	59
2	834054	2.25	863892	1.97	970162	4.22	029838	58
3	834189	2.27	863774	1.97	970416	4.22	029584	57
4	834325	2.25	863656	1.97	970670	4.22	029331	56
5	834460	2.25	863538	1.99	970923	4.22	029078	55
6	834595	2.25	863419	1.99	971177	4.22	028825	54
7	834730	2.25	863301	1.97	971432	4.22	028571	53
8	834865	2.23	863183	1.97	971687	4.22	028318	52
9	834999	2.23	863064	1.97	971943	4.22	028065	51
10	835134	2.25	862946	1.98	972198	4.22	027812	50
11	9.835269	2.23	9.862827	1.97	9.972441	4.22	10.027559	49
12	835403	2.25	862709	1.98	972695	4.22	027306	48
13	835538	2.23	862590	1.98	972948	4.22	027053	47
14	835672	2.25	862471	1.97	973201	4.22	026800	46
15	835807	2.23	862353	1.98	973454	4.22	026548	45
16	835941	2.23	862234	1.98	973707	4.22	026293	44
17	836075	2.23	862115	1.98	973960	4.22	026040	43
18	836209	2.23	861996	1.98	974213	4.22	025787	42
19	836343	2.23	861877	1.98	974466	4.22	025534	41
20	836477	2.23	861758	2.00	974720	4.22	025280	40
21	9.836611	2.23	9.861638	1.98	9.974973	4.22	10.025027	39
22	836745	2.22	861619	1.98	975226	4.22	024774	38
23	836879	2.23	861500	2.00	975479	4.22	024521	37
24	837012	2.23	861380	1.98	975732	4.22	024268	36
25	837145	2.23	861261	1.98	975985	4.22	024015	35
26	837279	2.22	861141	2.00	976238	4.22	023762	34
27	837412	2.22	861022	1.98	976491	4.22	023509	33
28	837546	2.23	860902	2.00	976744	4.22	023256	32
29	837679	2.22	860783	2.00	976997	4.22	023003	31
30	837812	2.23	860663	2.00	977250	4.22	022750	30
31	9.837945	2.22	9.860443	2.00	9.977503	4.22	10.022497	29
32	838078	2.22	860522	2.00	977756	4.22	022244	28
33	838211	2.22	860403	2.00	978009	4.22	021991	27
34	838344	2.22	860283	2.00	978262	4.22	021738	26
35	838477	2.22	860163	2.00	978515	4.22	021485	25
36	838610	2.22	860043	2.00	978768	4.22	021232	24
37	838742	2.20	859921	2.02	979021	4.22	020979	23
38	838875	2.20	859801	2.02	979274	4.22	020726	22
39	839007	2.22	859680	2.00	979527	4.22	020473	21
40	839140	2.20	859560	2.03	979780	4.22	020220	20
41	9.839272	2.20	9.859333	2.00	9.980033	4.22	10.019967	19
42	839404	2.20	859412	2.02	980286	4.22	019714	18
43	839536	2.20	859293	2.02	980539	4.22	019462	17
44	839669	2.20	859173	2.02	980791	4.22	019209	16
45	839800	2.20	859053	2.02	981044	4.22	018956	15
46	839932	2.20	858933	2.02	981297	4.22	018703	14
47	840061	2.20	858814	2.02	981550	4.22	018450	13
48	840195	2.20	858693	2.02	981803	4.22	018197	12
49	840328	2.18	858572	2.02	982056	4.22	017944	11
50	840459	2.20	858451	2.03	982309	4.22	017691	10
51	9.840591	2.18	9.858622	2.02	9.982562	4.22	10.017438	9
52	840722	2.20	858503	2.03	982814	4.22	017186	8
53	840854	2.18	858383	2.02	983067	4.22	016933	7
54	840985	2.18	858263	2.03	983320	4.22	016680	6
55	841116	2.18	858143	2.03	983573	4.22	016427	5
56	841247	2.18	858022	2.02	983826	4.22	016174	4
57	841378	2.18	857900	2.03	984079	4.22	015921	3
58	841509	2.18	857779	2.03	984332	4.22	015668	2
59	841640	2.18	857658	2.03	984584	4.22	015415	1
60'	9.841771		9.858334		9.984837		10.015163	0
133°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'.	Tang.	46°

第五表 三角函數對數表

44°	Sine.	D. 1'.	Cosine.	D. 1'.	Tang.	D. 1'.	Cotang. 135°	
0	0.841771	2.18	0.856334	2.03	9.984837	4.22	10.015163	60
1	841908	2.18	856193	2.03	985000	4.22	014910	59
2	842038	2.17	856050	2.03	985163	4.22	014657	58
3	842163	2.17	855908	2.03	985326	4.22	014404	57
4	842294	2.19	855746	2.03	985483	4.20	014152	56
5	842424	2.17	855623	2.03	985610	4.22	013899	55
6	842555	2.17	855501	2.05	985734	4.22	013646	54
7	842685	2.17	855378	2.03	985867	4.22	013393	53
8	842815	2.18	855256	2.05	985980	4.22	013140	52
9	842948	2.18	855133	2.05	986112	4.22	012888	51
10	843076	2.17	855011	2.05	986245	4.22	012635	50
11	0.843206	2.17	0.854888	2.05	9.987618	4.22	10.012382	49
12	843335	2.17	854765	2.05	987871	4.20	012129	48
13	843466	2.17	854643	2.05	988123	4.22	011877	47
14	843595	2.19	854521	2.05	988376	4.22	011624	46
15	843725	2.17	854399	2.03	988629	4.22	011371	45
16	843855	2.15	854277	2.05	988882	4.20	011118	44
17	843984	2.17	854155	2.03	989134	4.22	010866	43
18	844114	2.15	854032	2.05	989387	4.22	010613	42
19	844243	2.17	853910	2.07	989640	4.22	010360	41
20	844372	2.15	853788	2.05	989893	4.20	010107	40
21	0.844502	2.17	0.853666	2.07	9.990345	4.22	10.009855	39
22	844631	2.15	853543	2.09	990598	4.22	009602	38
23	844760	2.15	853421	2.05	990851	4.20	009349	37
24	844889	2.15	853299	2.07	991103	4.22	009097	36
25	845018	2.15	853177	2.07	991356	4.22	008844	35
26	845147	2.15	853055	2.07	991609	4.22	008591	34
27	845276	2.15	852933	2.07	991862	4.22	008338	33
28	845405	2.15	852811	2.07	992115	4.20	008086	32
29	845533	2.13	852689	2.07	992367	4.22	007833	31
30	845662	2.13	852567	2.07	992620	4.20	007580	30
31	0.845790	2.15	0.852445	2.07	9.992672	4.22	10.007328	29
32	845919	2.13	852323	2.09	992925	4.22	007075	28
33	846047	2.13	852201	2.07	993178	4.22	006822	27
34	846175	2.15	852079	2.05	993431	4.20	006569	26
35	846304	2.15	851957	2.05	993684	4.22	006317	25
36	846432	2.15	851835	2.07	993937	4.22	006064	24
37	846560	2.13	851713	2.05	994190	4.22	005811	23
38	846688	2.13	851591	2.05	994443	4.22	005559	22
39	846816	2.13	851469	2.05	994696	4.22	005306	21
40	846944	2.13	851347	2.05	994949	4.20	005053	20
41	0.847071	2.13	0.851225	2.05	9.995199	4.22	10.004901	19
42	847199	2.13	851103	2.05	995452	4.22	004649	18
43	847327	2.13	850981	2.05	995705	4.22	004396	17
44	847454	2.13	850859	2.05	995957	4.20	004143	16
45	847582	2.13	850737	2.05	996210	4.22	003890	15
46	847709	2.12	850615	2.05	996463	4.20	003637	14
47	847836	2.12	850493	2.05	996715	4.22	003385	13
48	847964	2.12	850371	2.05	996968	4.22	003132	12
49	848091	2.12	850249	2.03	997221	4.22	002879	11
50	848218	2.12	850127	2.03	997473	4.22	002627	10
51	0.848345	2.12	0.850005	2.10	9.997726	4.22	10.002274	9
52	848472	2.12	849883	2.03	997979	4.20	002021	8
53	848599	2.12	849761	2.03	998231	4.22	001769	7
54	848726	2.12	849639	2.10	998484	4.22	001516	6
55	848853	2.12	849517	2.10	998737	4.20	001263	5
56	848979	2.12	849395	2.10	998989	4.22	001011	4
57	849106	2.12	849273	2.10	999242	4.22	000758	3
58	849232	2.12	849151	2.12	999495	4.20	000505	2
59	849359	2.12	849029	2.12	999747	4.22	000253	1
60	0.849485	2.10	0.848907	2.10	10.000000	4.22	10.000000	0
124°	Cosine.	D. 1'.	Sine.	D. 1'.	Cotang.	D. 1'	Tang.	45°

°	0°		1°		2°		3°		4°	
	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin
0	.0000	One.	.01745	.99855	.03490	.96510	.05234	.94766	.06978	.93022
1	.00029	One.	.01741	.99848	.03481	.96519	.05228	.94773	.06973	.93027
2	.00058	One.	.01733	.99854	.03468	.96527	.05221	.94780	.06968	.93032
3	.00087	One.	.01725	.99860	.03454	.96534	.05214	.94787	.06963	.93037
4	.00116	One.	.01716	.99866	.03440	.96540	.05207	.94793	.06958	.93042
5	.00145	One.	.01707	.99872	.03426	.96546	.05200	.94799	.06953	.93047
6	.00175	One.	.01698	.99878	.03411	.96551	.05193	.94805	.06948	.93052
7	.00204	One.	.01689	.99884	.03396	.96556	.05186	.94811	.06943	.93057
8	.00233	One.	.01680	.99890	.03381	.96561	.05179	.94817	.06938	.93062
9	.00262	One.	.01671	.99896	.03366	.96566	.05172	.94822	.06933	.93067
10	.00291	One.	.01662	.99902	.03351	.96571	.05165	.94828	.06928	.93072
11	.00320	.99999	.02665	.99979	.03336	.96576	.05158	.94833	.06923	.93077
12	.00349	.99999	.02660	.99978	.03321	.96581	.05151	.94838	.06918	.93082
13	.00378	.99999	.02655	.99977	.03306	.96586	.05144	.94843	.06913	.93087
14	.00407	.99999	.02650	.99976	.03291	.96591	.05137	.94848	.06908	.93092
15	.00436	.99999	.02645	.99975	.03276	.96596	.05130	.94853	.06903	.93097
16	.00465	.99999	.02640	.99974	.03261	.96601	.05123	.94858	.06898	.93102
17	.00494	.99999	.02635	.99973	.03246	.96606	.05116	.94863	.06893	.93107
18	.00523	.99999	.02630	.99972	.03231	.96611	.05109	.94868	.06888	.93112
19	.00552	.99998	.02625	.99971	.03216	.96616	.05102	.94873	.06883	.93117
20	.00582	.99998	.02620	.99970	.03201	.96621	.05095	.94878	.06878	.93122
21	.00611	.99998	.02615	.99969	.03186	.96626	.05088	.94883	.06873	.93127
22	.00640	.99998	.02610	.99968	.03171	.96631	.05081	.94888	.06868	.93132
23	.00669	.99998	.02605	.99967	.03156	.96636	.05074	.94893	.06863	.93137
24	.00698	.99998	.02600	.99966	.03141	.96641	.05067	.94898	.06858	.93142
25	.00727	.99997	.02595	.99965	.03126	.96646	.05060	.94903	.06853	.93147
26	.00756	.99997	.02590	.99964	.03111	.96651	.05053	.94908	.06848	.93152
27	.00785	.99997	.02585	.99963	.03096	.96656	.05046	.94913	.06843	.93157
28	.00814	.99997	.02580	.99962	.03081	.96661	.05039	.94918	.06838	.93162
29	.00843	.99996	.02575	.99961	.03066	.96666	.05032	.94923	.06833	.93167
30	.00873	.99996	.02570	.99960	.03051	.96671	.05025	.94928	.06828	.93172
31	.00902	.99996	.02565	.99959	.03036	.96676	.05018	.94933	.06823	.93177
32	.00931	.99996	.02560	.99958	.03021	.96681	.05011	.94938	.06818	.93182
33	.00960	.99995	.02555	.99957	.03006	.96686	.05004	.94943	.06813	.93187
34	.00989	.99995	.02550	.99956	.02991	.96691	.05000	.94948	.06808	.93192
35	.01018	.99995	.02545	.99955	.02976	.96696	.04993	.94953	.06803	.93197
36	.01047	.99995	.02540	.99954	.02961	.96701	.04986	.94958	.06798	.93202
37	.01076	.99994	.02535	.99953	.02946	.96706	.04979	.94963	.06793	.93207
38	.01105	.99994	.02530	.99952	.02931	.96711	.04972	.94968	.06788	.93212
39	.01134	.99994	.02525	.99951	.02916	.96716	.04965	.94973	.06783	.93217
40	.01163	.99993	.02520	.99950	.02901	.96721	.04958	.94978	.06778	.93222
41	.01193	.99993	.02515	.99949	.02886	.96726	.04951	.94983	.06773	.93227
42	.01222	.99993	.02510	.99948	.02871	.96731	.04944	.94988	.06768	.93232
43	.01251	.99992	.02505	.99947	.02856	.96736	.04937	.94993	.06763	.93237
44	.01280	.99992	.02500	.99946	.02841	.96741	.04930	.94998	.06758	.93242
45	.01309	.99991	.02495	.99945	.02826	.96746	.04923	.95003	.06753	.93247
46	.01338	.99991	.02490	.99944	.02811	.96751	.04916	.95008	.06748	.93252
47	.01367	.99991	.02485	.99943	.02796	.96756	.04909	.95013	.06743	.93257
48	.01396	.99990	.02480	.99942	.02781	.96761	.04902	.95018	.06738	.93262
49	.01425	.99990	.02475	.99941	.02766	.96766	.04895	.95023	.06733	.93267
50	.01454	.99989	.02470	.99940	.02751	.96771	.04888	.95028	.06728	.93272
51	.01483	.99989	.02465	.99939	.02736	.96776	.04881	.95033	.06723	.93277
52	.01513	.99988	.02460	.99938	.02721	.96781	.04874	.95038	.06718	.93282
53	.01542	.99988	.02455	.99937	.02706	.96786	.04867	.95043	.06713	.93287
54	.01571	.99988	.02450	.99936	.02691	.96791	.04860	.95048	.06708	.93292
55	.01600	.99987	.02445	.99935	.02676	.96796	.04853	.95053	.06703	.93297
56	.01629	.99987	.02440	.99934	.02661	.96801	.04846	.95058	.06698	.93302
57	.01658	.99986	.02435	.99933	.02646	.96806	.04839	.95063	.06693	.93307
58	.01687	.99986	.02430	.99932	.02631	.96811	.04832	.95068	.06688	.93312
59	.01716	.99985	.02425	.99931	.02616	.96816	.04825	.95073	.06683	.93317
60	.01745	.99985	.02420	.99930	.02601	.96821	.04818	.95078	.06678	.93322
	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine
	89°		88°		87°		86°		85°	

第六表 正餘弦真數表

°	6°		6°		7°		8°		8°		°
	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	
0	0.0716	0.9619	0.0433	0.9452	0.1787	0.9255	0.1917	0.9027	0.1543	0.9679	60
1	0.0745	0.9617	0.0462	0.9449	0.1816	0.9251	0.1946	0.9023	0.1572	0.9674	59
2	0.0774	0.9614	0.0491	0.9446	0.1845	0.9248	0.1975	0.9019	0.1601	0.9670	58
3	0.0803	0.9612	0.0520	0.9443	0.1874	0.9244	0.2004	0.9015	0.1630	0.9665	57
4	0.0831	0.9609	0.0549	0.9440	0.1902	0.9240	0.2033	0.9011	0.1658	0.9661	56
5	0.0860	0.9607	0.0577	0.9437	0.1931	0.9237	0.2061	0.9006	0.1687	0.9656	55
6	0.0889	0.9604	0.0606	0.9434	0.1960	0.9233	0.2090	0.9002	0.1715	0.9652	54
7	0.0918	0.9602	0.0635	0.9431	0.1989	0.9230	0.2119	0.8998	0.1744	0.9647	53
8	0.0947	0.9599	0.0664	0.9428	0.2018	0.9226	0.2148	0.8994	0.1772	0.9643	52
9	0.0976	0.9596	0.0693	0.9424	0.2047	0.9222	0.2177	0.8990	0.1801	0.9638	51
10	0.0905	0.9594	0.0722	0.9421	0.2076	0.9219	0.2206	0.8986	0.1830	0.9634	50
11	0.0934	0.9591	0.0751	0.9418	0.2105	0.9215	0.2235	0.8982	0.1859	0.9629	49
12	0.0963	0.9588	0.0780	0.9415	0.2134	0.9211	0.2264	0.8978	0.1888	0.9625	48
13	0.0992	0.9586	0.0809	0.9412	0.2163	0.9208	0.2293	0.8974	0.1917	0.9620	47
14	0.1021	0.9583	0.0838	0.9409	0.2192	0.9204	0.2322	0.8970	0.1946	0.9616	46
15	0.1050	0.9580	0.0867	0.9406	0.2221	0.9200	0.2351	0.8966	0.1975	0.9611	45
16	0.1079	0.9578	0.0896	0.9403	0.2250	0.9197	0.2380	0.8962	0.2004	0.9607	44
17	0.1108	0.9575	0.0925	0.9400	0.2279	0.9193	0.2409	0.8958	0.2033	0.9602	43
18	0.1137	0.9572	0.0954	0.9397	0.2308	0.9189	0.2438	0.8954	0.2062	0.9598	42
19	0.1166	0.9570	0.0983	0.9394	0.2337	0.9186	0.2467	0.8950	0.2091	0.9593	41
20	0.1195	0.9567	0.1012	0.9390	0.2366	0.9182	0.2496	0.8946	0.2120	0.9589	40
21	0.1224	0.9564	0.1041	0.9387	0.2395	0.9178	0.2525	0.8942	0.2149	0.9584	39
22	0.1253	0.9562	0.1070	0.9384	0.2424	0.9175	0.2554	0.8938	0.2178	0.9580	38
23	0.1282	0.9559	0.1099	0.9381	0.2453	0.9171	0.2583	0.8934	0.2207	0.9575	37
24	0.1311	0.9556	0.1128	0.9377	0.2482	0.9167	0.2612	0.8930	0.2236	0.9571	36
25	0.1340	0.9553	0.1157	0.9374	0.2511	0.9163	0.2641	0.8926	0.2265	0.9566	35
26	0.1369	0.9551	0.1186	0.9370	0.2540	0.9159	0.2670	0.8922	0.2294	0.9562	34
27	0.1398	0.9548	0.1215	0.9367	0.2569	0.9156	0.2699	0.8918	0.2323	0.9557	33
28	0.1427	0.9545	0.1244	0.9364	0.2598	0.9152	0.2728	0.8914	0.2352	0.9553	32
29	0.1456	0.9542	0.1273	0.9360	0.2627	0.9148	0.2757	0.8910	0.2381	0.9548	31
30	0.1485	0.9540	0.1302	0.9357	0.2656	0.9144	0.2786	0.8906	0.2410	0.9544	30
31	0.1514	0.9537	0.1331	0.9354	0.2685	0.9141	0.2815	0.8902	0.2439	0.9539	29
32	0.1543	0.9534	0.1360	0.9351	0.2714	0.9137	0.2844	0.8898	0.2468	0.9535	28
33	0.1572	0.9531	0.1389	0.9347	0.2743	0.9133	0.2873	0.8894	0.2497	0.9530	27
34	0.1601	0.9528	0.1418	0.9344	0.2772	0.9129	0.2902	0.8890	0.2526	0.9526	26
35	0.1630	0.9525	0.1447	0.9341	0.2801	0.9125	0.2931	0.8886	0.2555	0.9521	25
36	0.1659	0.9522	0.1476	0.9337	0.2830	0.9122	0.2960	0.8882	0.2584	0.9517	24
37	0.1688	0.9519	0.1505	0.9334	0.2859	0.9118	0.2989	0.8878	0.2613	0.9512	23
38	0.1717	0.9517	0.1534	0.9331	0.2888	0.9114	0.3018	0.8874	0.2642	0.9508	22
39	0.1746	0.9514	0.1563	0.9327	0.2917	0.9110	0.3047	0.8870	0.2671	0.9503	21
40	0.1775	0.9511	0.1592	0.9324	0.2946	0.9106	0.3076	0.8866	0.2700	0.9500	20
41	0.1804	0.9508	0.1621	0.9320	0.2975	0.9102	0.3105	0.8862	0.2729	0.9495	19
42	0.1833	0.9505	0.1650	0.9317	0.3004	0.9098	0.3134	0.8858	0.2758	0.9491	18
43	0.1862	0.9503	0.1679	0.9314	0.3033	0.9094	0.3163	0.8854	0.2787	0.9486	17
44	0.1891	0.9500	0.1708	0.9310	0.3062	0.9091	0.3192	0.8850	0.2816	0.9482	16
45	0.1920	0.9497	0.1737	0.9307	0.3091	0.9087	0.3221	0.8846	0.2845	0.9477	15
46	0.1949	0.9494	0.1766	0.9303	0.3120	0.9083	0.3250	0.8842	0.2874	0.9473	14
47	0.1978	0.9491	0.1795	0.9300	0.3149	0.9079	0.3279	0.8838	0.2903	0.9468	13
48	0.2007	0.9488	0.1824	0.9297	0.3178	0.9075	0.3308	0.8834	0.2932	0.9464	12
49	0.2036	0.9485	0.1853	0.9293	0.3207	0.9071	0.3337	0.8830	0.2961	0.9459	11
50	0.2065	0.9482	0.1882	0.9290	0.3236	0.9067	0.3366	0.8826	0.2990	0.9455	10
51	0.2094	0.9479	0.1911	0.9286	0.3265	0.9063	0.3395	0.8822	0.3019	0.9450	9
52	0.2123	0.9476	0.1940	0.9283	0.3294	0.9059	0.3424	0.8818	0.3048	0.9446	8
53	0.2152	0.9473	0.1969	0.9279	0.3323	0.9055	0.3453	0.8814	0.3077	0.9441	7
54	0.2181	0.9470	0.1998	0.9276	0.3352	0.9051	0.3482	0.8810	0.3106	0.9437	6
55	0.2210	0.9467	0.2027	0.9272	0.3381	0.9047	0.3511	0.8806	0.3135	0.9432	5
56	0.2239	0.9464	0.2056	0.9269	0.3410	0.9043	0.3540	0.8802	0.3164	0.9428	4
57	0.2268	0.9461	0.2085	0.9265	0.3439	0.9039	0.3569	0.8798	0.3193	0.9423	3
58	0.2297	0.9458	0.2114	0.9262	0.3468	0.9035	0.3598	0.8794	0.3222	0.9419	2
59	0.2326	0.9455	0.2143	0.9258	0.3497	0.9031	0.3627	0.8790	0.3251	0.9414	1
60	0.2355	0.9452	0.2172	0.9255	0.3526	0.9027	0.3656	0.8786	0.3280	0.9410	0
	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	
	84°		83°		82°		81°		80°		

	10°		11°		12°		13°		14°	
	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin
0	17365	98481	19061	98163	20791	97815	22495	97437	24192	97039
1	17383	98476	19109	98157	20820	97809	22523	97430	24220	97033
2	17422	98471	19138	98152	20848	97803	22552	97424	24249	97018
3	17451	98466	19167	98146	20877	97797	22580	97417	24277	97012
4	17479	98461	19195	98140	20905	97791	22608	97411	24306	97006
5	17508	98455	19224	98135	20933	97784	22637	97404	24333	96999
6	17537	98450	19252	98129	20962	97778	22665	97398	24362	96997
7	17565	98445	19281	98124	20990	97772	22693	97391	24390	96990
8	17594	98440	19309	98118	21019	97766	22722	97384	24418	96983
9	17623	98435	19338	98112	21047	97760	22750	97378	24445	96976
10	17651	98430	19366	98107	21076	97754	22778	97371	24474	96969
11	17680	98425	19395	98101	21104	97748	22807	97365	24500	96962
12	17708	98420	19423	98096	21132	97742	22835	97359	24528	96955
13	17737	98414	19452	98090	21161	97735	22863	97351	24556	96947
14	17766	98409	19481	98084	21189	97729	22892	97345	24587	96939
15	17794	98404	19509	98079	21218	97723	22920	97338	24615	96932
16	17823	98399	19538	98073	21246	97717	22948	97331	24644	96924
17	17852	98394	19566	98067	21275	97711	22977	97325	24672	96917
18	17880	98389	19595	98061	21303	97705	23005	97318	24700	96910
19	17909	98383	19623	98055	21331	97700	23033	97311	24728	96903
20	17937	98378	19652	98050	21359	97693	23062	97304	24756	96897
21	17966	98373	19680	98044	21388	97688	23090	97298	24784	96890
22	17995	98368	19709	98039	21417	97683	23118	97291	24813	96883
23	18023	98362	19737	98033	21445	97677	23146	97284	24841	96876
24	18052	98357	19766	98027	21474	97671	23175	97278	24869	96868
25	18081	98352	19794	98021	21502	97665	23203	97271	24897	96861
26	18109	98347	19823	98016	21530	97659	23231	97265	24925	96854
27	18138	98341	19851	98010	21559	97653	23260	97257	24954	96847
28	18166	98336	19880	98004	21587	97647	23288	97251	24982	96839
29	18195	98331	19908	97998	21616	97641	23316	97244	25010	96832
30	18224	98325	19937	97992	21644	97635	23345	97237	25038	96825
31	18252	98320	19965	97987	21672	97629	23373	97230	25066	96817
32	18281	98315	19994	97981	21701	97623	23401	97223	25094	96810
33	18309	98310	20022	97975	21729	97617	23429	97217	25122	96803
34	18338	98304	20051	97969	21758	97611	23458	97210	25151	96796
35	18367	98299	20079	97963	21786	97605	23486	97203	25179	96789
36	18395	98294	20108	97958	21814	97599	23514	97197	25207	96781
37	18424	98288	20136	97952	21843	97593	23542	97190	25235	96774
38	18452	98283	20165	97946	21871	97587	23571	97184	25263	96766
39	18481	98277	20193	97940	21900	97581	23600	97176	25291	96759
40	18509	98272	20222	97934	21928	97575	23627	97169	25320	96752
41	18538	98267	20250	97928	21956	97569	23656	97162	25348	96744
42	18567	98261	20279	97922	21985	97563	23684	97155	25376	96737
43	18595	98256	20307	97916	22013	97557	23712	97148	25404	96729
44	18624	98250	20336	97910	22041	97551	23740	97141	25432	96721
45	18652	98245	20364	97905	22070	97545	23769	97134	25460	96715
46	18681	98240	20393	97899	22098	97539	23797	97127	25488	96707
47	18710	98234	20421	97893	22126	97533	23825	97120	25516	96700
48	18738	98229	20450	97887	22155	97527	23853	97113	25545	96692
49	18767	98223	20478	97881	22183	97521	23882	97106	25573	96685
50	18795	98218	20507	97875	22212	97515	23910	97100	25601	96677
51	18824	98212	20535	97869	22240	97509	23938	97093	25629	96670
52	18852	98207	20563	97863	22268	97503	23966	97086	25657	96663
53	18881	98201	20592	97857	22297	97497	23995	97079	25685	96655
54	18910	98195	20620	97851	22325	97491	24023	97072	25713	96648
55	18938	98190	20649	97845	22353	97485	24051	97065	25741	96640
56	18967	98185	20677	97839	22382	97479	24079	97058	25769	96633
57	18995	98179	20706	97833	22410	97473	24108	97051	25798	96615
58	19024	98174	20734	97827	22438	97467	24136	97044	25826	96607
59	19052	98168	20763	97821	22467	97461	24164	97037	25854	96600
60	19081	98163	20791	97815	22495	97455	24192	97030	25882	96593
	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine

78°

78°

77°

76°

76°

第六表 正餘弦真數表

	15°		16°		17°		18°		19°	
	Sine	Cosine	Sine	Cosine	Sine	Cosine	Sine	Cosine	Sine	Cosine
0	25380	96578	27364	96128	29377	95630	30029	95106	32557	94355
1	25010	96385	27032	96118	29265	95622	30029	95077	32581	94342
2	25698	96578	27630	96110	29333	95613	30057	95068	32612	94333
3	26066	96570	27645	96102	29321	95605	30065	95079	32639	94327
4	25994	96562	27676	96094	29343	95596	30102	95070	32667	94314
5	26022	96555	27704	96089	29376	95588	30149	95061	32694	94304
6	26050	96547	27731	96078	29404	95579	30188	95053	32722	94295
7	26079	96540	27759	96070	29432	95571	30195	95045	32749	94285
8	26107	96532	27787	96063	29460	95562	30123	95037	32777	94276
9	26135	96524	27815	96054	29487	95554	30151	95024	32804	94266
10	26163	96517	27843	96046	29515	95545	30178	95015	32832	94257
11	26191	96509	27871	96037	29543	95536	30206	95006	32859	94247
12	26219	96502	27899	96029	29571	95528	30233	94997	32887	94238
13	26247	96494	27927	96021	29599	95519	30261	94988	32914	94228
14	26275	96486	27955	96013	29626	95511	30289	94979	32942	94218
15	26303	96479	27983	96005	29654	95502	30316	94970	32969	94209
16	26331	96471	28011	95997	29682	95493	30344	94961	32997	94200
17	26359	96463	28039	95989	29710	95485	30372	94952	33024	94190
18	26387	96456	28067	95981	29737	95476	30399	94943	33051	94180
19	26415	96448	28095	95972	29765	95467	30427	94934	33079	94170
20	26443	96440	28123	95964	29793	95459	30454	94924	33106	94161
21	26471	96433	28151	95956	29821	95450	30482	94915	33134	94151
22	26500	96425	28179	95948	29849	95441	30510	94906	33161	94142
23	26528	96417	28207	95940	29877	95432	30537	94897	33189	94132
24	26556	96410	28234	95931	29904	95424	30565	94888	33216	94122
25	26584	96402	28262	95923	29932	95415	30593	94879	33244	94113
26	26612	96394	28290	95915	29960	95407	30620	94870	33271	94103
27	26640	96386	28318	95907	29987	95398	30648	94861	33299	94093
28	26668	96379	28346	95898	30015	95389	30675	94852	33327	94084
29	26696	96371	28374	95890	30043	95380	30703	94842	33353	94074
30	26724	96363	28402	95882	30071	95372	30730	94833	33381	94064
31	26752	96355	28430	95874	30098	95363	30758	94823	33408	94054
32	26780	96347	28457	95865	30126	95354	30786	94814	33436	94045
33	26808	96340	28485	95857	30154	95345	30813	94805	33463	94035
34	26836	96332	28513	95849	30182	95337	30841	94795	33490	94026
35	26864	96324	28541	95841	30209	95328	30868	94786	33518	94016
36	26892	96316	28569	95832	30237	95319	30896	94777	33545	94006
37	26920	96308	28597	95824	30265	95310	30923	94768	33573	93997
38	26948	96300	28625	95816	30292	95301	30951	94759	33600	93987
39	26976	96292	28653	95807	30320	95292	30979	94749	33627	93978
40	27004	96285	28681	95799	30348	95284	31006	94740	33655	93968
41	27032	96277	28708	95791	30376	95275	32034	94730	33682	93959
42	27060	96269	28736	95782	30403	95266	32061	94721	33710	93949
43	27088	96261	28764	95774	30431	95257	32089	94712	33737	93939
44	27116	96253	28792	95766	30459	95248	32116	94702	33764	93929
45	27144	96245	28820	95757	30486	95239	32144	94693	33792	93919
46	27172	96238	28847	95749	30514	95231	32171	94684	33819	93909
47	27200	96230	28875	95740	30542	95222	32199	94674	33845	93899
48	27228	96222	28903	95732	30570	95213	32227	94665	33874	93889
49	27256	96214	28931	95724	30597	95204	32254	94656	33901	93879
50	27284	96206	28959	95715	30625	95195	32282	94646	33929	93869
51	27312	96198	28987	95707	30653	95186	32309	94637	33956	93859
52	27340	96190	29015	95698	30680	95177	32337	94627	33983	93849
53	27368	96182	29043	95690	30708	95168	32364	94618	34011	93839
54	27396	96174	29070	95681	30736	95159	32392	94609	34039	93829
55	27424	96166	29098	95673	30763	95150	32419	94600	34065	93819
56	27452	96158	29126	95664	30791	95142	32447	94590	34093	93809
57	27480	96150	29154	95656	30819	95133	32474	94580	34120	93799
58	27508	96142	29182	95647	30847	95124	32502	94571	34147	93789
59	27536	96134	29210	95639	30874	95115	32529	94561	34175	93779
60	27564	96126	29237	95630	30902	95106	32557	94552	34202	93769
	Cosine	Sine	Cosine	Sine	Cosine	Sine	Cosine	Sine	Cosine	Sine
	74°		73°		72°		71°		70°	

°	20°		21°		22°		23°		24°	
	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin
0	34302	93969	35837	93358	37461	92718	39078	92020	40674	91365
1	34229	93969	35864	93348	37498	92707	39100	92008	40700	91349
2	34257	93949	35891	93337	37535	92697	39127	91997	40726	91333
3	34284	93930	35918	93327	37573	92686	39153	91986	40753	91317
4	34311	93920	35945	93316	37610	92676	39180	91975	40780	91301
5	34339	93910	35973	93306	37649	92664	39207	91964	40806	91285
6	34366	93900	36000	93296	37687	92653	39234	91953	40833	91269
7	34393	93890	36027	93285	37725	92642	39260	91942	40860	91253
8	34421	93880	36054	93274	37763	92631	39287	91931	40886	91237
9	34448	93870	36081	93264	37801	92620	39314	91920	40913	91221
10	34475	93860	36108	93253	37839	92609	39341	91909	40939	91205
11	34503	93850	36135	93243	37877	92598	39367	91898	40966	91189
12	34530	93840	36162	93232	37914	92587	39394	91887	40992	91173
13	34557	93830	36190	93222	37951	92576	39421	91876	41019	91157
14	34584	93820	36217	93211	37988	92565	39448	91865	41045	91141
15	34612	93810	36244	93201	38025	92554	39474	91854	41072	91125
16	34639	93800	36271	93190	38062	92543	39501	91843	41098	91109
17	34666	93790	36298	93180	38099	92532	39528	91832	41125	91093
18	34693	93780	36325	93169	38136	92521	39555	91821	41151	91077
19	34721	93770	36352	93159	38173	92510	39581	91810	41178	91061
20	34748	93760	36379	93148	38210	92499	39608	91799	41204	91045
21	34775	93750	36406	93137	38246	92488	39635	91788	41231	91029
22	34803	93740	36434	93127	38283	92477	39661	91777	41257	91013
23	34830	93730	36461	93116	38320	92466	39688	91766	41284	91000
24	34857	93720	36488	93106	38357	92455	39715	91755	41310	90986
25	34884	93710	36515	93095	38394	92444	39741	91744	41337	90971
26	34911	93700	36542	93084	38431	92433	39768	91733	41363	90955
27	34939	93690	36569	93074	38468	92422	39794	91722	41390	90939
28	34966	93680	36596	93063	38505	92411	39821	91711	41416	90923
29	34993	93670	36623	93052	38542	92400	39847	91700	41443	90907
30	35021	93660	36650	93042	38579	92389	39874	91689	41469	90891
31	35048	93650	36677	93031	38616	92377	39900	91678	41496	90875
32	35075	93640	36704	93020	38653	92366	39926	91667	41522	90859
33	35102	93630	36731	93010	38690	92355	39953	91656	41549	90843
34	35130	93620	36758	92999	38727	92344	39979	91645	41575	90827
35	35157	93610	36785	92988	38764	92333	40006	91634	41602	90811
36	35184	93600	36812	92977	38801	92322	40032	91623	41628	90795
37	35211	93590	36839	92967	38838	92311	40059	91612	41655	90779
38	35239	93580	36867	92956	38875	92300	40085	91601	41681	90763
39	35266	93570	36894	92945	38912	92289	40112	91590	41707	90747
40	35293	93560	36921	92935	38949	92278	40138	91579	41734	90731
41	35320	93550	36949	92924	38986	92267	40165	91568	41760	90715
42	35347	93540	36975	92913	39023	92256	40191	91557	41787	90699
43	35375	93530	37002	92902	39060	92245	40218	91546	41813	90683
44	35402	93520	37029	92892	39097	92234	40244	91535	41840	90667
45	35429	93510	37056	92881	39134	92223	40271	91524	41866	90651
46	35456	93500	37083	92870	39171	92212	40297	91513	41892	90635
47	35484	93490	37110	92859	39208	92201	40324	91502	41919	90619
48	35511	93480	37137	92849	39245	92190	40350	91491	41945	90603
49	35538	93470	37164	92838	39282	92179	40377	91480	41972	90587
50	35565	93460	37191	92827	39319	92168	40403	91469	41998	90571
51	35592	93450	37218	92816	39356	92157	40430	91458	42024	90555
52	35619	93440	37245	92806	39393	92146	40456	91447	42051	90539
53	35647	93430	37272	92794	39430	92135	40483	91436	42077	90523
54	35674	93420	37299	92783	39467	92124	40510	91425	42104	90507
55	35701	93410	37326	92773	39504	92113	40536	91414	42130	90491
56	35728	93400	37353	92762	39541	92102	40563	91403	42156	90475
57	35755	93390	37380	92751	39578	92091	40589	91392	42183	90459
58	35782	93380	37407	92740	39615	92080	40616	91381	42209	90443
59	35810	93370	37434	92729	39652	92069	40642	91370	42235	90427
60	35837	93360	37461	92718	39689	92058	40669	91359	42261	90411
	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine
	69°		68°		67°		66°		65°	



第六表 正餘弦真數表 89

°	25°		26°		27°		28°		29°		°
	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	
0	42362	90631	43537	90879	44379	91101	44947	91355	45481	91742	30
1	42368	90619	43543	90867	44385	91087	44953	91343	45487	91730	29
2	42375	90606	43549	90854	44391	91074	44959	91330	45493	91717	28
3	42381	90594	43555	90841	44397	91061	44965	91317	45499	91704	27
4	42387	90582	43561	90828	44403	91048	44971	91304	45505	91691	26
5	42394	90569	43567	90816	44409	91035	44977	91291	45511	91678	25
6	42400	90557	43573	90803	44415	91022	44983	91278	45517	91665	24
7	42407	90545	43579	90790	44421	91009	44989	91265	45523	91652	23
8	42413	90532	43585	90777	44427	90996	44995	91252	45529	91639	22
9	42419	90520	43591	90764	44433	90983	44999	91239	45535	91626	21
10	42425	90507	43597	90752	44439	90970	45005	91226	45541	91613	20
11	42432	90495	43603	90739	44445	90957	45011	91213	45547	91600	19
12	42438	90483	43609	90726	44451	90944	45017	91200	45553	91587	18
13	42444	90471	43615	90713	44457	90931	45023	91187	45559	91574	17
14	42451	90459	43621	90700	44463	90918	45029	91174	45565	91561	16
15	42457	90447	43627	90687	44469	90905	45035	91161	45571	91548	15
16	42463	90435	43633	90674	44475	90892	45041	91148	45577	91535	14
17	42470	90423	43639	90662	44481	90879	45047	91135	45583	91522	13
18	42476	90411	43645	90649	44487	90866	45053	91122	45589	91509	12
19	42482	90399	43651	90636	44493	90853	45059	91109	45595	91496	11
20	42489	90387	43657	90623	44499	90840	45065	91096	45601	91483	10
21	42495	90375	43663	90610	44505	90827	45071	91083	45607	91470	9
22	42501	90363	43669	90597	44511	90814	45077	91070	45613	91457	8
23	42508	90351	43675	90584	44517	90801	45083	91057	45619	91444	7
24	42514	90339	43681	90571	44523	90788	45089	91044	45625	91431	6
25	42520	90327	43687	90558	44529	90775	45095	91031	45631	91418	5
26	42526	90315	43693	90545	44535	90762	45101	91018	45637	91405	4
27	42532	90303	43699	90532	44541	90749	45107	91005	45643	91392	3
28	42538	90291	43705	90519	44547	90736	45113	90992	45649	91379	2
29	42544	90279	43711	90506	44553	90723	45119	90979	45655	91366	1
30	42550	90267	43717	90493	44559	90710	45125	90966	45661	91353	0
31	42556	90255	43723	90480	44565	90697	45131	90953	45667	91340	29
32	42562	90243	43729	90467	44571	90684	45137	90940	45673	91327	28
33	42568	90231	43735	90454	44577	90671	45143	90927	45679	91314	27
34	42574	90219	43741	90441	44583	90658	45149	90914	45685	91301	26
35	42580	90207	43747	90428	44589	90645	45155	90901	45691	91288	25
36	42586	90195	43753	90415	44595	90632	45161	90888	45697	91275	24
37	42592	90183	43759	90402	44601	90619	45167	90875	45703	91262	23
38	42598	90171	43765	90389	44607	90606	45173	90862	45709	91249	22
39	42604	90159	43771	90376	44613	90593	45179	90849	45715	91236	21
40	42610	90147	43777	90363	44619	90580	45185	90836	45721	91223	20
41	42616	90135	43783	90350	44625	90567	45191	90823	45727	91210	19
42	42622	90123	43789	90337	44631	90554	45197	90810	45733	91197	18
43	42628	90111	43795	90324	44637	90541	45203	90797	45739	91184	17
44	42634	90100	43801	90311	44643	90528	45209	90784	45745	91171	16
45	42640	90088	43807	90298	44649	90515	45215	90771	45751	91158	15
46	42646	90076	43813	90285	44655	90502	45221	90758	45757	91145	14
47	42652	90064	43819	90272	44661	90489	45227	90745	45763	91132	13
48	42658	90052	43825	90259	44667	90476	45233	90732	45769	91119	12
49	42664	90040	43831	90246	44673	90463	45239	90719	45775	91106	11
50	42670	90028	43837	90233	44679	90450	45245	90706	45781	91093	10
51	42676	90016	43843	90220	44685	90437	45251	90693	45787	91080	9
52	42682	90004	43849	90207	44691	90424	45257	90680	45793	91067	8
53	42688	89992	43855	90194	44697	90411	45263	90667	45799	91054	7
54	42694	89980	43861	90181	44703	90398	45269	90654	45805	91041	6
55	42700	89968	43867	90168	44709	90385	45275	90641	45811	91028	5
56	42706	89956	43873	90155	44715	90372	45281	90628	45817	91015	4
57	42712	89944	43879	90142	44721	90359	45287	90615	45823	91002	3
58	42718	89932	43885	90129	44727	90346	45293	90602	45829	90989	2
59	42724	89920	43891	90116	44733	90333	45299	90589	45835	90976	1
60	42730	89908	43897	90103	44739	90320	45305	90576	45841	90963	0
61	42736	89896	43903	90090	44745	90307	45311	90563	45847	90950	29
62	42742	89884	43909	90077	44751	90294	45317	90550	45853	90937	28
63	42748	89872	43915	90064	44757	90281	45323	90537	45859	90924	27
64	42754	89860	43921	90051	44763	90268	45329	90524	45865	90911	26
65	42760	89848	43927	90038	44769	90255	45335	90511	45871	90898	25
66	42766	89836	43933	90025	44775	90242	45341	90498	45877	90885	24
67	42772	89824	43939	90012	44781	90229	45347	90485	45883	90872	23
68	42778	89812	43945	89999	44787	90216	45353	90472	45889	90859	22
69	42784	89800	43951	89986	44793	90203	45359	90459	45895	90846	21
70	42790	89788	43957	89973	44799	90190	45365	90446	45901	90833	20
71	42796	89776	43963	89960	44805	90177	45371	90433	45907	90820	19
72	42802	89764	43969	89947	44811	90164	45377	90420	45913	90807	18
73	42808	89752	43975	89934	44817	90151	45383	90407	45919	90794	17
74	42814	89740	43981	89921	44823	90138	45389	90394	45925	90781	16
75	42820	89728	43987	89908	44829	90125	45395	90381	45931	90768	15
76	42826	89716	43993	89895	44835	90112	45401	90368	45937	90755	14
77	42832	89704	43999	89882	44841	90099	45407	90355	45943	90742	13
78	42838	89692	44005	89869	44847	90086	45413	90342	45949	90729	12
79	42844	89680	44011	89856	44853	90073	45419	90329	45955	90716	11
80	42850	89668	44017	89843	44859	90060	45425	90316	45961	90703	10
81	42856	89656	44023	89830	44865	90047	45431	90303	45967	90690	9
82	42862	89644	44029	89817	44871	90034	45437	90290	45973	90677	8
83	42868	89632	44035	89804	44877	90021	45443	90277	45979	90664	7
84	42874	89620	44041	89791	44883	90008	45449	90264	45985	90651	6
85	42880	89608	44047	89778	44889	89995	45455	90251	45991	90638	5
86	42886	89596	44053	89765	44895	89982	45461	90238	45997	90625	4
87	42892	89584	44059	89752	44901	89969	45467	90225	46003	90612	3
88	42898	89572	44065	89739	44907	89956	45473	90212	46009	90599	2
89	42904	89560	44071	89726	44913	89943	45479	90199	46015	90586	1
90	42910	89548	44077	89713	44919	89930	45485	90186	46021	90573	0
91	42916	89536	44083	89700	44925	89917	45491	90173	46027	90560	29
92	42922	89524	44089	89687	44931	89904	45497	90160	46033	90547	28
93	42928	89512	44095	89674	44937	89891	45503	90147	46039	90534	27
94	42934	89500	44101	89661	44943	89878	45509	90134	46045	90521	26
95	42940	89488	44107	89648	44949	89865	45515	90121	46051	90508	25
96	42946	89476	44113	89635	44955	89852	45521	90108	46057	90495	24
97	42952	89464	44119	89622	44961	89839	45527	90095	46063	90482	23
98	42958	89452	44125	89609	44967	89826	45533	90082	46069	90469	22
99	42964	89440	44131	89596	44973	89813	45539	90069	46075	90456	21
100	42970	89428	44137	89583	44979	89800	45545	90056	46081	90443	20
101	42976	89416	44143	89570	44985	89787	45551	90043	46087	90430	19
102	42982										

°	30°		31°		32°		33°		34°		°
	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	
0	50000	86608	51504	85717	52999	84906	54484	83967	55919	83004	60
1	80023	86583	51529	85702	53017	84789	54486	83851	55943	82887	59
2	50050	86573	51554	85687	53041	84774	54518	83835	55968	82871	58
3	50076	86559	51579	85672	53066	84759	54537	83819	55992	82855	57
4	50101	86544	51604	85657	53091	84743	54561	83804	56016	82839	56
5	50125	86530	51628	85642	53115	84728	54580	83788	56040	82823	55
6	50151	86515	51653	85627	53140	84713	54610	83773	56064	82808	54
7	50176	86501	51678	85612	53164	84697	54635	83758	56088	82793	53
8	50201	86486	51703	85597	53189	84682	54659	83744	56112	82777	52
9	50227	86471	51728	85582	53214	84666	54683	83729	56136	82762	51
10	50252	86457	51753	85567	53238	84650	54708	83715	56160	82747	50
11	50277	86442	51778	85551	53263	84635	54733	83699	56184	82734	49
12	50302	86427	51803	85536	53288	84619	54758	83684	56208	82720	48
13	50327	86413	51828	85521	53312	84604	54781	83669	56232	82706	47
14	50352	86398	51853	85506	53337	84589	54806	83654	56256	82692	46
15	50377	86384	51877	85491	53361	84573	54829	83639	56280	82678	45
16	50403	86369	51902	85476	53386	84558	54854	83624	56304	82664	44
17	50428	86354	51927	85461	53411	84543	54878	83609	56328	82650	43
18	50453	86340	51952	85446	53435	84526	54902	83594	56352	82636	42
19	50478	86325	51977	85431	53460	84511	54927	83579	56377	82622	41
20	50503	86310	52002	85416	53484	84495	54951	83564	56401	82608	40
21	50528	86295	52026	85401	53509	84480	54975	83549	56425	82594	39
22	50553	86281	52051	85385	53534	84464	55000	83534	56449	82580	38
23	50578	86266	52076	85370	53558	84448	55024	83519	56473	82566	37
24	50603	86251	52101	85355	53583	84433	55048	83504	56497	82552	36
25	50628	86237	52126	85340	53607	84417	55072	83489	56521	82538	35
26	50654	86222	52151	85325	53632	84402	55097	83474	56545	82524	34
27	50679	86207	52175	85310	53656	84386	55121	83459	56569	82510	33
28	50704	86192	52200	85294	53681	84370	55145	83444	56593	82496	32
29	50729	86178	52225	85279	53705	84355	55169	83429	56617	82482	31
30	50754	86163	52250	85263	53730	84339	55194	83413	56641	82468	30
31	50779	86148	52275	85248	53754	84324	55218	83398	56665	82454	29
32	50804	86133	52299	85234	53779	84309	55242	83383	56689	82440	28
33	50829	86119	52324	85218	53804	84294	55266	83368	56713	82426	27
34	50854	86104	52349	85203	53828	84277	55291	83354	56738	82412	26
35	50879	86089	52374	85188	53853	84261	55315	83339	56762	82398	25
36	50904	86074	52399	85173	53877	84245	55339	83325	56787	82384	24
37	50929	86059	52423	85157	53902	84229	55363	83310	56811	82370	23
38	50954	86045	52448	85142	53926	84214	55388	83296	56835	82356	22
39	50979	86030	52473	85127	53951	84198	55412	83281	56859	82342	21
40	51004	86015	52498	85112	53975	84182	55436	83267	56883	82328	20
41	51029	86000	52522	85096	54000	84167	55460	83252	56908	82314	19
42	51054	85985	52547	85081	54024	84151	55484	83238	56932	82300	18
43	51079	85970	52572	85066	54049	84135	55509	83223	56957	82286	17
44	51104	85956	52597	85051	54073	84120	55533	83209	56981	82272	16
45	51129	85941	52621	85035	54097	84104	55557	83194	57005	82258	15
46	51154	85926	52646	85020	54121	84088	55581	83180	57029	82244	14
47	51179	85911	52671	85005	54145	84073	55605	83165	57054	82230	13
48	51204	85896	52696	84989	54171	84057	55630	83150	57078	82216	12
49	51229	85881	52721	84974	54195	84041	55654	83136	57102	82202	11
50	51254	85866	52745	84959	54220	84025	55678	83121	57126	82188	10
51	51279	85851	52770	84943	54244	84009	55702	83106	57151	82174	9
52	51304	85836	52794	84928	54269	83994	55726	83091	57175	82160	8
53	51329	85821	52819	84913	54293	83978	55750	83076	57199	82146	7
54	51354	85806	52844	84897	54317	83962	55774	83061	57223	82132	6
55	51379	85792	52868	84882	54342	83946	55799	83046	57247	82118	5
56	51404	85777	52893	84866	54366	83930	55823	83031	57271	82104	4
57	51429	85762	52918	84851	54391	83915	55847	83016	57295	82090	3
58	51454	85747	52943	84836	54415	83899	55871	83001	57319	82076	2
59	51479	85732	52968	84820	54440	83883	55895	82986	57343	82062	1
60	51504	85717	52992	84805	54464	83867	55919	82971	57367	82048	0
	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	

59°

60°

57°

56°

55°

第六表 正餘弦真數表

	35°		36°		37°		38°		39°	
	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin
0	57338	81915	57775	80902	60182	78864	61569	78801	62832	77115
1	57381	81859	58002	80855	60205	78846	61589	78783	62855	77096
2	57425	81802	58230	80807	60228	78829	61612	78765	62877	77078
3	57469	81745	58459	80759	60251	78811	61635	78747	62900	77060
4	57513	81688	58687	80712	60274	78793	61658	78729	62922	77042
5	57557	81632	58916	80664	60298	78776	61681	78711	62945	77025
6	57601	81575	59145	80617	60321	78758	61704	78694	62968	77008
7	57645	81519	59374	80570	60344	78741	61727	78676	62991	76991
8	57689	81462	59603	80523	60367	78723	61750	78658	63014	76973
9	57732	81406	59832	80476	60390	78706	61772	78640	63037	76956
10	57776	81349	60061	80430	60414	78688	61795	78622	63060	76939
11	57819	81293	60290	80383	60437	78671	61818	78604	63083	76922
12	57863	81236	60519	80337	60460	78653	61841	78586	63106	76905
13	57907	81179	60748	80290	60483	78635	61864	78568	63129	76888
14	57951	81123	60977	80244	60506	78618	61887	78550	63152	76871
15	57995	81066	61206	80197	60529	78600	61910	78532	63175	76854
16	58039	81010	61435	80151	60552	78583	61933	78514	63198	76837
17	58083	80953	61664	80104	60575	78565	61956	78496	63221	76820
18	58127	80897	61893	80058	60598	78547	61979	78478	63244	76803
19	58171	80841	62122	80011	60621	78530	62002	78460	63267	76786
20	58215	80784	62351	79965	60644	78512	62024	78442	63290	76769
21	58259	80728	62580	79918	60667	78494	62046	78424	63313	76752
22	58303	80671	62809	79872	60690	78477	62069	78405	63336	76735
23	58347	80615	63038	79825	60713	78459	62092	78387	63359	76718
24	58391	80558	63267	79779	60736	78441	62115	78369	63382	76701
25	58435	80502	63496	79732	60759	78424	62138	78351	63405	76684
26	58479	80445	63725	79686	60782	78406	62161	78333	63428	76667
27	58523	80389	63954	79639	60805	78388	62184	78315	63451	76650
28	58567	80332	64183	79593	60828	78371	62207	78297	63474	76633
29	58611	80276	64412	79546	60851	78353	62229	78279	63497	76616
30	58655	80219	64641	79500	60874	78335	62251	78261	63520	76599
31	58699	80163	64870	79453	60897	78318	62274	78243	63543	76582
32	58743	80106	65099	79407	60920	78300	62297	78225	63566	76565
33	58787	80050	65328	79360	60943	78282	62320	78207	63589	76548
34	58831	79993	65557	79314	60966	78264	62343	78188	63612	76531
35	58875	79937	65786	79267	60989	78247	62366	78170	63635	76514
36	58919	79880	66015	79221	61012	78229	62389	78152	63658	76497
37	58963	79824	66244	79174	61035	78211	62411	78134	63681	76480
38	58997	79767	66473	79128	61058	78193	62433	78116	63704	76463
39	59041	79711	66702	79081	61081	78175	62456	78098	63727	76446
40	59085	79654	66931	79035	61104	78157	62479	78079	63750	76429
41	59129	79598	67160	78988	61127	78140	62502	78061	63773	76412
42	59173	79541	67389	78942	61150	78122	62524	78043	63796	76395
43	59217	79485	67618	78895	61173	78104	62547	78025	63819	76378
44	59261	79428	67847	78849	61196	78087	62570	78007	63842	76361
45	59305	79372	68076	78802	61219	78069	62592	77989	63865	76344
46	59349	79315	68305	78756	61242	78051	62615	77971	63888	76327
47	59393	79259	68534	78709	61265	78033	62638	77953	63911	76310
48	59437	79202	68763	78663	61288	78015	62661	77935	63934	76293
49	59481	79146	68992	78616	61311	77997	62684	77917	63957	76276
50	59525	79089	69221	78570	61334	77979	62707	77899	63980	76259
51	59569	79033	69450	78523	61357	77962	62729	77881	64003	76242
52	59613	78976	69679	78477	61380	77944	62752	77863	64026	76225
53	59657	78920	69908	78430	61403	77926	62774	77845	64049	76208
54	59701	78863	70137	78384	61426	77908	62797	77827	64072	76191
55	59745	78807	70366	78337	61449	77891	62819	77809	64095	76174
56	59789	78750	70595	78291	61472	77873	62842	77791	64118	76157
57	59833	78694	70824	78244	61495	77855	62864	77773	64141	76140
58	59877	78638	71053	78198	61518	77837	62887	77755	64164	76123
59	59921	78581	71282	78151	61541	77819	62909	77737	64187	76106
60	59965	78525	71511	78105	61564	77801	62932	77719	64210	76089
	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine

°	40°		41°		42°		43°		44°		°
	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	
0	.64279	.76604	.65000	.75471	.65913	.74314	.66800	.73335	.67666	.71934	60
1	.64301	.76589	.65028	.75452	.66035	.74295	.66921	.73316	.67782	.71914	59
2	.64323	.76577	.65056	.75433	.66156	.74276	.67039	.73297	.67900	.71895	58
3	.64345	.76565	.65084	.75414	.66277	.74257	.67156	.73278	.68011	.71876	57
4	.64368	.76553	.65112	.75395	.66399	.74237	.67272	.73259	.68122	.71857	56
5	.64390	.76541	.65140	.75375	.66520	.74217	.67387	.73240	.68233	.71838	55
6	.64412	.76529	.65168	.75356	.66641	.74198	.67502	.73221	.68344	.71819	54
7	.64435	.76517	.65196	.75337	.66762	.74178	.67617	.73202	.68455	.71800	53
8	.64457	.76505	.65224	.75318	.66883	.74159	.67732	.73183	.68566	.71781	52
9	.64479	.76493	.65252	.75299	.67004	.74139	.67847	.73164	.68677	.71762	51
10	.64501	.76481	.65280	.75280	.67125	.74120	.67962	.73145	.68788	.71743	50
11	.64523	.76469	.65308	.75261	.67246	.74100	.68077	.73126	.68899	.71724	49
12	.64546	.76457	.65336	.75242	.67367	.74081	.68192	.73107	.69010	.71705	48
13	.64568	.76445	.65364	.75223	.67488	.74061	.68307	.73088	.69121	.71686	47
14	.64590	.76433	.65392	.75204	.67609	.74042	.68422	.73069	.69232	.71667	46
15	.64613	.76421	.65420	.75185	.67730	.74022	.68537	.73050	.69343	.71648	45
16	.64635	.76409	.65448	.75166	.67851	.74003	.68652	.73031	.69454	.71629	44
17	.64657	.76397	.65476	.75147	.67972	.73983	.68767	.73012	.69565	.71610	43
18	.64679	.76385	.65504	.75128	.68093	.73964	.68882	.72993	.69676	.71591	42
19	.64701	.76373	.65532	.75109	.68214	.73945	.69000	.72974	.69787	.71572	41
20	.64723	.76361	.65560	.75090	.68335	.73926	.69115	.72955	.69898	.71553	40
21	.64745	.76349	.65588	.75071	.68456	.73907	.69230	.72936	.70009	.71534	39
22	.64768	.76337	.65616	.75052	.68577	.73888	.69345	.72917	.70120	.71515	38
23	.64790	.76325	.65644	.75033	.68698	.73869	.69460	.72898	.70231	.71496	37
24	.64812	.76313	.65672	.75014	.68819	.73850	.69575	.72879	.70342	.71477	36
25	.64834	.76301	.65700	.74995	.68940	.73831	.69690	.72860	.70453	.71458	35
26	.64856	.76289	.65728	.74976	.69061	.73812	.69805	.72841	.70564	.71439	34
27	.64879	.76277	.65756	.74957	.69182	.73793	.69920	.72822	.70675	.71420	33
28	.64901	.76265	.65784	.74938	.69303	.73774	.70035	.72803	.70786	.71401	32
29	.64923	.76253	.65812	.74919	.69424	.73755	.70150	.72784	.70897	.71382	31
30	.64945	.76241	.65840	.74900	.69545	.73736	.70265	.72765	.71008	.71363	30
31	.64967	.76229	.65868	.74881	.69666	.73717	.70380	.72746	.71119	.71344	29
32	.64989	.76217	.65896	.74862	.69787	.73698	.70495	.72727	.71230	.71325	28
33	.65011	.76205	.65924	.74843	.69908	.73679	.70610	.72708	.71341	.71306	27
34	.65033	.76193	.65952	.74824	.70029	.73660	.70725	.72689	.71452	.71287	26
35	.65055	.76181	.65980	.74805	.70150	.73641	.70840	.72670	.71563	.71268	25
36	.65077	.76169	.66008	.74786	.70271	.73622	.70955	.72651	.71674	.71249	24
37	.65100	.76157	.66036	.74767	.70392	.73603	.71070	.72632	.71785	.71230	23
38	.65122	.76145	.66064	.74748	.70513	.73584	.71185	.72613	.71896	.71211	22
39	.65144	.76133	.66092	.74729	.70634	.73565	.71300	.72594	.72007	.71192	21
40	.65166	.76121	.66120	.74710	.70755	.73546	.71415	.72575	.72118	.71173	20
41	.65188	.76109	.66148	.74691	.70876	.73527	.71530	.72556	.72229	.71154	19
42	.65210	.76097	.66176	.74672	.70997	.73508	.71645	.72537	.72340	.71135	18
43	.65232	.76085	.66204	.74653	.71118	.73489	.71760	.72518	.72451	.71116	17
44	.65254	.76073	.66232	.74634	.71239	.73470	.71875	.72499	.72562	.71097	16
45	.65276	.76061	.66260	.74615	.71360	.73451	.71990	.72480	.72673	.71078	15
46	.65298	.76049	.66288	.74596	.71481	.73432	.72105	.72461	.72784	.71059	14
47	.65320	.76037	.66316	.74577	.71602	.73413	.72220	.72442	.72895	.71040	13
48	.65342	.76025	.66344	.74558	.71723	.73394	.72335	.72423	.73006	.71021	12
49	.65364	.76013	.66372	.74539	.71844	.73375	.72450	.72404	.73117	.71002	11
50	.65386	.76001	.66400	.74520	.71965	.73356	.72565	.72385	.73228	.70983	10
51	.65408	.75989	.66428	.74501	.72086	.73337	.72680	.72366	.73339	.70964	9
52	.65430	.75977	.66456	.74482	.72207	.73318	.72795	.72347	.73450	.70945	8
53	.65452	.75965	.66484	.74463	.72328	.73299	.72910	.72328	.73561	.70926	7
54	.65474	.75953	.66512	.74444	.72449	.73280	.73025	.72309	.73672	.70907	6
55	.65496	.75941	.66540	.74425	.72570	.73261	.73140	.72290	.73783	.70888	5
56	.65518	.75929	.66568	.74406	.72691	.73242	.73255	.72271	.73894	.70869	4
57	.65540	.75917	.66596	.74387	.72812	.73223	.73370	.72252	.74005	.70850	3
58	.65562	.75905	.66624	.74368	.72933	.73204	.73485	.72233	.74116	.70831	2
59	.65584	.75893	.66652	.74349	.73054	.73185	.73600	.72214	.74227	.70812	1
60	.65606	.75881	.66680	.74330	.73175	.73166	.73715	.72195	.74338	.70793	0
	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	Cosin	Sine	
	40°		48°		47°		46°		45°		

第七表 正餘切眞數表 93

°	0°		1°		2°		3°	
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang
0	.00000	Infinite	.01746	57.9000	.03492	28.6363	.05238	19.0811
1	.00029	8487.75	.01775	56.3206	.03521	28.8994	.05270	18.8733
2	.00058	1718.87	.01804	55.4415	.03550	28.1624	.05300	18.6711
3	.00087	1145.92	.01833	54.5618	.03579	27.9372	.05328	18.7678
4	.00116	859.436	.01862	53.7066	.03609	27.7117	.05357	18.6656
5	.00145	687.549	.01891	52.8821	.03638	27.4899	.05387	18.6645
6	.00175	579.367	.01920	52.0807	.03667	27.2715	.05416	18.4045
7	.00204	491.106	.01949	51.3032	.03696	27.0566	.05445	18.3635
8	.00233	429.718	.01978	50.5485	.03725	26.8450	.05474	18.2677
9	.00263	381.971	.02007	49.8157	.03754	26.6367	.05503	18.1708
10	.00291	343.774	.02036	49.1099	.03783	26.4316	.05533	18.0750
11	.00320	312.521	.02066	48.4121	.03812	26.2290	.05562	17.9802
12	.00349	286.478	.02095	47.7395	.03842	26.0307	.05591	17.8853
13	.00378	264.441	.02124	47.0853	.03871	25.8348	.05620	17.7934
14	.00407	245.532	.02153	46.4489	.03900	25.6416	.05649	17.7015
15	.00436	229.132	.02182	45.8294	.03929	25.4517	.05678	17.6100
16	.00465	214.838	.02211	45.2261	.03958	25.2644	.05706	17.5236
17	.00494	202.219	.02240	44.6380	.03987	25.0798	.05737	17.4314
18	.00524	190.984	.02269	44.0661	.04016	24.8973	.05766	17.3432
19	.00553	180.932	.02298	43.5081	.04046	24.7185	.05795	17.2536
20	.00582	171.855	.02328	42.9641	.04075	24.5418	.05824	17.1688
21	.00611	163.700	.02357	42.4325	.04104	24.3675	.05854	17.0837
22	.00640	156.259	.02386	41.9126	.04133	24.1957	.05883	16.9990
23	.00669	149.425	.02415	41.4045	.04162	24.0263	.05912	16.9150
24	.00698	143.207	.02444	40.9174	.04191	23.8593	.05941	16.8319
25	.00727	137.507	.02473	40.4508	.04220	23.6945	.05970	16.7499
26	.00756	132.219	.02502	39.9955	.04250	23.5321	.05999	16.6681
27	.00785	127.321	.02531	39.5509	.04279	23.3718	.06029	16.5874
28	.00815	122.774	.02560	39.0568	.04308	23.2137	.06058	16.5075
29	.00844	118.540	.02589	38.6177	.04337	23.0577	.06087	16.4283
30	.00873	114.589	.02619	38.1855	.04366	22.9038	.06116	16.3499
31	.00902	110.892	.02648	37.7666	.04395	22.7519	.06145	16.2722
32	.00931	107.426	.02677	37.3578	.04424	22.6020	.06175	16.1923
33	.00960	104.171	.02706	36.9590	.04454	22.4541	.06204	16.1190
34	.00989	101.107	.02735	36.5627	.04483	22.3081	.06233	16.0433
35	.01018	98.2179	.02764	36.1776	.04513	22.1640	.06262	15.9657
36	.01047	95.4895	.02793	35.8005	.04541	22.0217	.06291	15.8945
37	.01076	92.9063	.02822	35.4313	.04570	21.8813	.06321	15.8211
38	.01105	90.4633	.02851	35.0695	.04599	21.7429	.06350	15.7493
39	.01135	88.1496	.02881	34.7151	.04628	21.6066	.06379	15.6762
40	.01164	85.9398	.02910	34.3678	.04658	21.4704	.06408	15.6048
41	.01193	83.8435	.02939	34.0273	.04687	21.3369	.06437	15.5340
42	.01222	81.8470	.02968	33.6932	.04716	21.2049	.06467	15.4638
43	.01251	79.9434	.02997	33.3662	.04745	21.0747	.06496	15.3943
44	.01280	78.1283	.03026	33.0452	.04774	20.9460	.06525	15.3254
45	.01309	76.3900	.03055	32.7303	.04803	20.8188	.06554	15.2571
46	.01338	74.7292	.03084	32.4213	.04833	20.6933	.06583	15.1893
47	.01367	73.1590	.03114	32.1181	.04862	20.5691	.06613	15.1222
48	.01396	71.6151	.03143	31.8205	.04891	20.4465	.06642	15.0557
49	.01425	70.1333	.03172	31.5284	.04920	20.3253	.06671	14.9896
50	.01455	68.7301	.03201	31.2415	.04949	20.2066	.06700	14.9244
51	.01484	67.4319	.03230	30.9599	.04978	20.0872	.06730	14.8596
52	.01513	66.1655	.03259	30.6833	.05007	19.9702	.06759	14.7954
53	.01542	64.8890	.03288	30.4115	.05037	19.8545	.06788	14.7317
54	.01571	63.6667	.03317	30.1445	.05066	19.7403	.06817	14.6685
55	.01600	62.4922	.03346	29.8823	.05095	19.6273	.06847	14.6059
56	.01629	61.3229	.03376	29.6245	.05124	19.5156	.06876	14.5438
57	.01658	60.3063	.03405	29.3711	.05153	19.4061	.06905	14.4823
58	.01687	59.3659	.03434	29.1220	.05182	19.2989	.06934	14.4212
59	.01716	58.2912	.03463	28.8777	.05212	19.1937	.06963	14.3607
60	.01745	57.2900	.03492	28.6383	.05241	19.0911	.06993	14.3007
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang
	89°		88°		87°		86°	

°	4°		5°		6°		7°	
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang
0	0.0693	14.3007	0.0749	13.4301	0.0810	9.51436	0.0878	8.14433
1	0.0722	14.2111	0.0778	11.9919	0.0840	9.49781	0.0906	8.12481
2	0.0751	14.1231	0.0807	11.3560	0.0869	9.48141	0.0933	8.10536
3	0.0780	14.0365	0.0837	11.3183	0.0899	9.46515	0.0961	8.08600
4	0.0810	13.9515	0.0866	11.2789	0.0928	9.44904	0.0987	8.06674
5	0.0839	13.8679	0.0895	11.2417	0.0957	9.43307	0.1013	8.04756
6	0.0868	13.7857	0.0925	11.2048	0.0987	9.41724	0.1038	8.02845
7	0.0897	13.7046	0.0954	11.1693	0.1016	9.40154	0.1063	8.00941
8	0.0927	13.6246	0.0983	11.1351	0.1045	9.38597	0.1087	7.99045
9	0.0956	13.5456	0.1013	11.1024	0.1075	9.37053	0.1111	7.97157
10	0.0985	13.4677	0.1042	11.0704	0.1105	9.35520	0.1134	7.95266
11	0.1014	13.3919	0.1071	11.0393	0.1134	9.34000	0.1157	7.93382
12	0.1044	13.3174	0.1101	10.9882	0.1163	9.32491	0.1180	7.91505
13	0.1073	13.2441	0.1130	10.9382	0.1192	9.31003	0.1202	7.89634
14	0.1102	13.1720	0.1159	10.8893	0.1221	9.29535	0.1224	7.87770
15	0.1131	13.1011	0.1188	10.8415	0.1250	9.28087	0.1246	7.85912
16	0.1160	13.0313	0.1217	10.7948	0.1279	9.26659	0.1267	7.84060
17	0.1189	12.9626	0.1246	10.7493	0.1308	9.25240	0.1288	7.82214
18	0.1218	12.8940	0.1275	10.7049	0.1337	9.23830	0.1309	7.80374
19	0.1247	12.8265	0.1304	10.6616	0.1366	9.22430	0.1329	7.78539
20	0.1276	12.7601	0.1333	10.6193	0.1395	9.21039	0.1349	7.76709
21	0.1305	12.6948	0.1362	10.5780	0.1424	9.19658	0.1368	7.74884
22	0.1334	12.6305	0.1391	10.5377	0.1453	9.18286	0.1387	7.73064
23	0.1363	12.5672	0.1420	10.4984	0.1482	9.16923	0.1406	7.71249
24	0.1392	12.5049	0.1449	10.4600	0.1511	9.15569	0.1425	7.69438
25	0.1421	12.4436	0.1478	10.4226	0.1540	9.14224	0.1444	7.67631
26	0.1450	12.3833	0.1507	10.3861	0.1569	9.12888	0.1463	7.65828
27	0.1479	12.3239	0.1536	10.3506	0.1598	9.11561	0.1482	7.64029
28	0.1508	12.2655	0.1565	10.3160	0.1627	9.10243	0.1501	7.62234
29	0.1537	12.2080	0.1594	10.2823	0.1656	9.08934	0.1520	7.60442
30	0.1566	12.1515	0.1623	10.2495	0.1685	9.07634	0.1539	7.58653
31	0.1595	12.0959	0.1652	10.2176	0.1714	9.06342	0.1558	7.56867
32	0.1624	12.0412	0.1681	10.1866	0.1743	9.05058	0.1577	7.55083
33	0.1653	11.9874	0.1710	10.1564	0.1772	9.03782	0.1596	7.53301
34	0.1682	11.9345	0.1739	10.1271	0.1801	9.02514	0.1615	7.51521
35	0.1711	11.8824	0.1768	10.0987	0.1830	9.01254	0.1634	7.49743
36	0.1740	11.8311	0.1797	10.0711	0.1859	8.99999	0.1653	7.47967
37	0.1769	11.7806	0.1826	10.0443	0.1888	8.98751	0.1672	7.46193
38	0.1798	11.7309	0.1855	10.0183	0.1917	8.97508	0.1691	7.44421
39	0.1827	11.6819	0.1884	9.9931	0.1946	8.96271	0.1710	7.42651
40	0.1856	11.6336	0.1913	9.9687	0.1975	8.95039	0.1729	7.40882
41	0.1885	11.5859	0.1942	9.9451	0.2004	8.93812	0.1748	7.39115
42	0.1914	11.5388	0.1971	9.9222	0.2033	8.92590	0.1767	7.37350
43	0.1943	11.4923	0.2000	9.9000	0.2062	8.91373	0.1786	7.35587
44	0.1972	11.4464	0.2029	9.8785	0.2091	8.90161	0.1805	7.33826
45	0.2001	11.4011	0.2058	9.8577	0.2120	8.88954	0.1824	7.32067
46	0.2030	11.3564	0.2087	9.8375	0.2149	8.87752	0.1843	7.30310
47	0.2059	11.3123	0.2116	9.8179	0.2178	8.86555	0.1862	7.28555
48	0.2088	11.2688	0.2145	9.7989	0.2207	8.85363	0.1881	7.26802
49	0.2117	11.2259	0.2174	9.7804	0.2236	8.84176	0.1900	7.25050
50	0.2146	11.1836	0.2203	9.7624	0.2265	8.82994	0.1919	7.23300
51	0.2175	11.1419	0.2232	9.7449	0.2294	8.81817	0.1938	7.21551
52	0.2204	11.1008	0.2261	9.7279	0.2323	8.80645	0.1957	7.19803
53	0.2233	11.0603	0.2290	9.7114	0.2352	8.79478	0.1976	7.18056
54	0.2262	11.0204	0.2319	9.6953	0.2381	8.78316	0.1995	7.16310
55	0.2291	10.9811	0.2348	9.6797	0.2410	8.77159	0.2014	7.14565
56	0.2320	10.9424	0.2377	9.6645	0.2439	8.76007	0.2033	7.12821
57	0.2349	10.9043	0.2406	9.6498	0.2468	8.74860	0.2052	7.11078
58	0.2378	10.8668	0.2435	9.6355	0.2497	8.73718	0.2071	7.09335
59	0.2407	10.8299	0.2464	9.6217	0.2526	8.72581	0.2090	7.07592
60	0.2436	10.7936	0.2493	9.6083	0.2555	8.71449	0.2109	7.05850
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang
	85°		84°		83°		82°	

第七表 正餘切真數表 95

	8°		9°		10°		11°		
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	
0	.14044	7.11597	.15893	6.31975	.17639	5.67128	.19435	5.14455	60
1	.14064	7.10038	.15863	6.30189	.17663	5.66165	.19468	5.13668	59
2	.14113	7.08546	.15808	6.29007	.17693	5.65306	.19498	5.12923	58
3	.14143	7.07069	.15828	6.27829	.17723	5.64548	.19529	5.12269	57
4	.14173	7.05579	.15858	6.26656	.17753	5.63826	.19559	5.11729	56
5	.14202	7.04105	.15888	6.25486	.17783	5.63244	.19589	5.11200	55
6	.14232	7.02637	.16017	6.24321	.17813	5.62702	.19619	5.07074	54
7	.14262	7.01174	.16047	6.23160	.17843	5.62252	.19649	5.08921	53
8	.14291	6.99718	.16077	6.22003	.17873	5.59511	.19680	5.08193	52
9	.14321	6.98268	.16107	6.20851	.17903	5.68573	.19710	5.07391	51
10	.14351	6.96823	.16137	6.19708	.17933	5.57638	.19740	5.06584	50
11	.14381	6.95385	.16167	6.18569	.17963	5.56706	.19770	5.05809	49
12	.14410	6.93952	.16196	6.17419	.17993	5.55777	.19801	5.05037	48
13	.14440	6.92523	.16226	6.16282	.18023	5.54851	.19831	5.04287	47
14	.14470	6.91104	.16256	6.15151	.18053	5.53927	.19861	5.03549	46
15	.14499	6.89693	.16286	6.14023	.18083	5.53007	.19891	5.02834	45
16	.14529	6.88278	.16316	6.12899	.18113	5.52090	.19921	5.02141	44
17	.14559	6.86874	.16346	6.11779	.18143	5.51178	.19952	5.01470	43
18	.14588	6.85475	.16376	6.10664	.18173	5.50284	.19982	5.00821	42
19	.14618	6.84082	.16405	6.09562	.18203	5.49398	.20012	4.99994	41
20	.14648	6.82694	.16435	6.08473	.18233	5.48511	.20042	4.99189	40
21	.14678	6.81312	.16465	6.07340	.18263	5.47648	.20073	4.98189	39
22	.14707	6.79936	.16495	6.06240	.18293	5.46818	.20103	4.97439	38
23	.14737	6.78574	.16525	6.05143	.18323	5.46074	.20133	4.96630	37
24	.14767	6.77199	.16555	6.04051	.18353	5.45357	.20164	4.95845	36
25	.14796	6.75838	.16585	6.02962	.18384	5.44668	.20194	4.95081	35
26	.14826	6.74483	.16615	6.01875	.18414	5.43977	.20224	4.94340	34
27	.14856	6.73133	.16645	6.00797	.18444	5.43293	.20254	4.93721	33
28	.14886	6.71789	.16674	6.99730	.18474	5.42609	.20285	4.92984	32
29	.14915	6.70450	.16704	6.98676	.18504	5.41929	.20315	4.92249	31
30	.14945	6.69116	.16734	6.97678	.18534	5.41252	.20345	4.91516	30
31	.14975	6.67787	.16764	6.96650	.18564	5.40577	.20376	4.90785	29
32	.15005	6.66463	.16794	6.95648	.18594	5.39905	.20406	4.90066	28
33	.15034	6.65144	.16824	6.94630	.18624	5.39268	.20436	4.89390	27
34	.15064	6.63831	.16854	6.93635	.18654	5.38670	.20466	4.88706	26
35	.15094	6.62523	.16884	6.92653	.18684	5.38096	.20497	4.88025	25
36	.15124	6.61219	.16914	6.91694	.18714	5.37545	.20527	4.87163	24
37	.15153	6.59921	.16944	6.90751	.18744	5.37017	.20557	4.86444	23
38	.15183	6.58627	.16974	6.89812	.18774	5.36511	.20588	4.85777	22
39	.15213	6.57339	.17004	6.88814	.18804	5.36029	.20618	4.85013	21
40	.15243	6.56055	.17033	6.87860	.18833	5.35562	.20648	4.84300	20
41	.15272	6.54777	.17063	6.86951	.18863	5.35090	.20679	4.83590	19
42	.15302	6.53503	.17093	6.86024	.18893	5.34623	.20709	4.82882	18
43	.15332	6.52234	.17123	6.85101	.18923	5.34169	.20739	4.82175	17
44	.15362	6.50970	.17153	6.84182	.18953	5.33723	.20770	4.81471	16
45	.15391	6.49710	.17183	6.83266	.18983	5.33285	.20800	4.80769	15
46	.15421	6.48454	.17213	6.82353	.19013	5.32850	.20830	4.80065	14
47	.15451	6.47203	.17243	6.81444	.19043	5.32419	.20861	4.79370	13
48	.15481	6.45946	.17273	6.80538	.19073	5.31994	.20891	4.78673	12
49	.15511	6.44700	.17303	6.79636	.19103	5.31573	.20921	4.77978	11
50	.15540	6.43454	.17333	6.78737	.19133	5.31156	.20952	4.77286	10
51	.15570	6.42223	.17363	6.77841	.19163	5.30744	.20983	4.76595	9
52	.15600	6.41026	.17393	6.76949	.19197	5.30325	.21013	4.75906	8
53	.15630	6.39804	.17423	6.76060	.19227	5.30017	.21043	4.75219	7
54	.15660	6.38587	.17453	6.75174	.19257	5.29713	.21073	4.74534	6
55	.15690	6.37374	.17483	6.74292	.19287	5.29410	.21104	4.73851	5
56	.15719	6.36165	.17513	6.73413	.19317	5.29117	.21134	4.73170	4
57	.15749	6.34961	.17543	6.72537	.19347	5.28833	.21164	4.72490	3
58	.15779	6.33761	.17573	6.71664	.19377	5.28550	.21195	4.71813	2
59	.15809	6.32566	.17603	6.70794	.19408	5.28268	.21225	4.71137	1
60	.15838	6.31375	.17633	6.67128	.19438	5.27985	.21256	4.70463	0
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	
	81°		80°		79°		78°		

	12°		13°		14°		15°	
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang
0	.21264	4.70463	.23067	4.33148	.24933	4.01078	.26795	3.73006
1	.21288	4.69791	.23117	4.32573	.24954	4.00682	.26826	3.72771
2	.21316	4.69121	.23148	4.32001	.24976	4.00296	.26857	3.72538
3	.21347	4.68453	.23179	4.31430	.24998	3.99922	.26888	3.71977
4	.21377	4.67786	.23209	4.30860	.25020	3.99556	.26919	3.71417
5	.21408	4.67121	.23240	4.30291	.25042	3.99190	.26950	3.70856
6	.21438	4.66455	.23271	4.29724	.25064	3.98824	.26981	3.70295
7	.21469	4.65797	.23301	4.29159	.25086	3.98458	.27012	3.70189
8	.21499	4.65138	.23332	4.28595	.25108	3.98109	.27043	3.69751
9	.21529	4.64480	.23363	4.28032	.25130	3.97751	.27074	3.69332
10	.21560	4.63825	.23393	4.27471	.25152	3.97393	.27105	3.68909
11	.21590	4.63171	.23424	4.26911	.25174	3.97035	.27136	3.68485
12	.21621	4.62518	.23455	4.26352	.25196	3.96677	.27167	3.68061
13	.21651	4.61866	.23485	4.25793	.25218	3.96319	.27198	3.67638
14	.21682	4.61219	.23516	4.25239	.25240	3.95961	.27229	3.67217
15	.21712	4.60572	.23547	4.24685	.25262	3.95603	.27260	3.66796
16	.21743	4.59922	.23578	4.24132	.25284	3.95245	.27291	3.66377
17	.21773	4.59283	.23608	4.23580	.25306	3.94887	.27322	3.65957
18	.21804	4.58641	.23639	4.23029	.25328	3.94529	.27353	3.65538
19	.21834	4.58001	.23670	4.22481	.25350	3.94171	.27384	3.65121
20	.21864	4.57363	.23700	4.21933	.25372	3.93813	.27415	3.64705
21	.21895	4.56726	.23731	4.21387	.25394	3.93455	.27446	3.64289
22	.21925	4.56091	.23762	4.20842	.25416	3.93097	.27477	3.63874
23	.21956	4.55458	.23793	4.20298	.25438	3.92739	.27508	3.63461
24	.21988	4.54826	.23823	4.19756	.25460	3.92381	.27539	3.63047
25	.22017	4.54196	.23854	4.19215	.25482	3.92023	.27570	3.62634
26	.22047	4.53569	.23885	4.18675	.25504	3.91665	.27601	3.62224
27	.22078	4.52941	.23916	4.18137	.25526	3.91307	.27632	3.61814
28	.22108	4.52316	.23946	4.17600	.25548	3.90949	.27663	3.61406
29	.22139	4.51693	.23977	4.17064	.25570	3.90591	.27694	3.61000
30	.22169	4.51071	.24008	4.16530	.25592	3.90233	.27725	3.60589
31	.22200	4.50451	.24039	4.15997	.25614	3.89875	.27756	3.60181
32	.22231	4.49832	.24069	4.15465	.25636	3.89517	.27787	3.59775
33	.22261	4.49215	.24100	4.14934	.25658	3.89159	.27818	3.59370
34	.22292	4.48600	.24131	4.14405	.25680	3.88801	.27849	3.58966
35	.22322	4.47986	.24162	4.13877	.25702	3.88443	.27880	3.58562
36	.22353	4.47374	.24193	4.13350	.25724	3.88085	.27911	3.58159
37	.22383	4.46764	.24223	4.12825	.25746	3.87727	.27942	3.57758
38	.22414	4.46155	.24254	4.12301	.25768	3.87369	.27973	3.57357
39	.22444	4.45548	.24285	4.11778	.25790	3.87011	.28004	3.56957
40	.22475	4.44942	.24316	4.11256	.25812	3.86653	.28035	3.56557
41	.22505	4.44338	.24347	4.10736	.25834	3.86295	.28066	3.56159
42	.22536	4.43735	.24377	4.10216	.25856	3.85937	.28097	3.55761
43	.22567	4.43134	.24408	4.09699	.25878	3.85579	.28128	3.55364
44	.22597	4.42534	.24439	4.09182	.25900	3.85221	.28159	3.54968
45	.22628	4.41935	.24470	4.08666	.25922	3.84863	.28190	3.54573
46	.22658	4.41340	.24501	4.08152	.25944	3.84505	.28221	3.54179
47	.22689	4.40745	.24532	4.07639	.25966	3.84147	.28252	3.53784
48	.22719	4.40152	.24562	4.07127	.25988	3.83789	.28283	3.53389
49	.22750	4.39560	.24593	4.06616	.26010	3.83431	.28314	3.52995
50	.22781	4.38969	.24624	4.06107	.26032	3.83073	.28345	3.52600
51	.22811	4.38381	.24655	4.05599	.26054	3.82715	.28376	3.52206
52	.22842	4.37793	.24686	4.05092	.26076	3.82357	.28407	3.51812
53	.22872	4.37207	.24717	4.04586	.26098	3.82000	.28438	3.51418
54	.22903	4.36623	.24747	4.04081	.26120	3.81642	.28469	3.51025
55	.22934	4.36040	.24778	4.03578	.26142	3.81284	.28500	3.50631
56	.22964	4.35459	.24809	4.03076	.26164	3.80926	.28531	3.50238
57	.22995	4.34879	.24840	4.02574	.26186	3.80568	.28562	3.49845
58	.23026	4.34300	.24871	4.02074	.26208	3.80210	.28593	3.49451
59	.23056	4.33723	.24902	4.01576	.26230	3.79852	.28624	3.49058
60	.23087	4.33148	.24933	4.01078	.26252	3.79494	.28655	3.48671
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang

77°

76°

75°

74°



第七表 正餘切眞數表

	16°		17°		18°		19°	
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang
0	28675	3.48741	30673	3.27055	32499	3.07769	34433	2.90421
1	28706	3.48359	30605	3.26745	32524	3.07464	34455	2.90147
2	28738	3.47977	30637	3.26406	32556	3.07160	34498	2.89873
3	28769	3.47596	30669	3.26067	32588	3.06857	34530	2.89600
4	28800	3.47216	30700	3.25729	32621	3.06554	34563	2.89327
5	28832	3.46837	30732	3.25392	32653	3.06253	34596	2.89055
6	28864	3.46458	30764	3.25055	32685	3.05950	34628	2.88783
7	28895	3.46080	30796	3.24719	32717	3.05649	34661	2.88511
8	28927	3.45703	30828	3.24383	32749	3.05349	34693	2.88240
9	28958	3.45327	30860	3.24049	32782	3.05049	34726	2.87970
10	28990	3.44951	30891	3.23714	32814	3.04749	34758	2.87700
11	29021	3.44576	30923	3.23381	32846	3.04450	34791	2.87430
12	29053	3.44202	30955	3.23048	32878	3.04152	34824	2.87161
13	29084	3.43829	30987	3.22715	32911	3.03854	34856	2.86892
14	29116	3.43456	31019	3.22384	32943	3.03556	34889	2.86624
15	29147	3.43084	31051	3.22053	32975	3.03258	34922	2.86356
16	29179	3.42713	31083	3.21722	33007	3.02960	34954	2.86089
17	29210	3.42343	31115	3.21392	33040	3.02662	34987	2.85822
18	29242	3.41973	31147	3.21063	33072	3.02364	35020	2.85555
19	29274	3.41604	31178	3.20734	33104	3.02067	35052	2.85288
20	29305	3.41236	31210	3.20406	33136	3.01770	35085	2.85022
21	29337	3.40869	31242	3.20079	33169	3.01473	35118	2.84755
22	29368	3.40502	31274	3.19752	33201	3.01176	35150	2.84489
23	29400	3.40136	31306	3.19426	33233	3.00880	35183	2.84223
24	29432	3.39771	31338	3.19100	33266	3.00584	35216	2.83957
25	29463	3.39406	31370	3.18775	33298	3.00289	35248	2.83692
26	29495	3.39042	31402	3.18451	33330	3.00000	35281	2.83426
27	29526	3.38679	31434	3.18127	33363	2.99738	35314	2.83161
28	29558	3.38317	31466	3.17804	33395	2.99477	35346	2.82896
29	29590	3.37956	31498	3.17481	33427	2.99215	35379	2.82631
30	29621	3.37594	31530	3.17159	33460	2.98953	35412	2.82366
31	29653	3.37234	31562	3.16838	33492	2.98690	35445	2.82100
32	29685	3.36875	31594	3.16517	33524	2.98428	35477	2.81835
33	29717	3.36516	31626	3.16197	33557	2.98166	35510	2.81570
34	29748	3.36158	31658	3.15877	33589	2.97904	35543	2.81305
35	29780	3.35800	31690	3.15558	33621	2.97643	35576	2.81040
36	29811	3.35443	31722	3.15240	33654	2.97381	35609	2.80775
37	29843	3.35087	31754	3.14923	33686	2.97119	35641	2.80510
38	29875	3.34731	31786	3.14605	33718	2.96857	35674	2.80245
39	29906	3.34377	31818	3.14288	33751	2.96595	35707	2.80000
40	29938	3.34023	31850	3.13972	33783	2.96333	35740	2.79755
41	29970	3.33670	31882	3.13656	33816	2.96071	35772	2.79510
42	30001	3.33317	31914	3.13341	33848	2.95809	35805	2.79265
43	30033	3.32965	31946	3.13027	33881	2.95547	35838	2.79020
44	30065	3.32614	31978	3.12713	33914	2.95285	35871	2.78775
45	30097	3.32264	32010	3.12400	33946	2.95023	35904	2.78530
46	30128	3.31914	32042	3.12087	33978	2.94761	35937	2.78285
47	30160	3.31565	32074	3.11775	34010	2.94500	35969	2.78040
48	30192	3.31216	32106	3.11464	34043	2.94238	36002	2.77795
49	30224	3.30868	32138	3.11153	34075	2.93976	36035	2.77550
50	30255	3.30521	32171	3.10842	34108	2.93715	36068	2.77305
51	30287	3.30174	32203	3.10532	34140	2.93453	36101	2.77060
52	30319	3.29829	32235	3.10223	34173	2.93191	36134	2.76815
53	30351	3.29483	32267	3.09914	34205	2.92929	36167	2.76570
54	30382	3.29139	32299	3.09606	34238	2.92667	36199	2.76325
55	30414	3.28795	32331	3.09298	34270	2.92405	36232	2.76080
56	30446	3.28452	32363	3.08991	34303	2.92143	36265	2.75835
57	30478	3.28110	32395	3.08683	34335	2.91881	36298	2.75590
58	30509	3.27767	32428	3.08379	34368	2.91619	36331	2.75345
59	30541	3.27426	32460	3.08073	34400	2.91357	36364	2.75100
60	30573	3.27085	32492	3.07768	34433	2.91095	36397	2.74855
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang
		73°		72°		71°		70°

	20°		21°		22°		23°	
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang
0	0.36307	2.74748	0.38366	2.60509	0.40408	2.47509	0.42447	2.35585
1	0.36430	2.74499	0.38420	2.60283	0.40496	2.47302	0.42482	2.35395
2	0.36462	2.74251	0.38453	2.60057	0.40570	2.47095	0.42516	2.35206
3	0.36495	2.74004	0.38487	2.59831	0.40644	2.46888	0.42551	2.35018
4	0.36529	2.73756	0.38520	2.59606	0.40718	2.46682	0.42585	2.34835
5	0.36562	2.73509	0.38553	2.59381	0.40792	2.46476	0.42619	2.34652
6	0.36595	2.73263	0.38587	2.59156	0.40866	2.46270	0.42654	2.34477
7	0.36628	2.73017	0.38620	2.58932	0.40940	2.46064	0.42688	2.34303
8	0.36661	2.72771	0.38654	2.58708	0.41014	2.45858	0.42722	2.34129
9	0.36694	2.72526	0.38687	2.58484	0.41088	2.45652	0.42757	2.33955
10	0.36727	2.72281	0.38721	2.58261	0.41162	2.45446	0.42791	2.33781
11	0.36760	2.72036	0.38754	2.58039	0.41236	2.45240	0.42826	2.33607
12	0.36793	2.71791	0.38787	2.57815	0.41310	2.45034	0.42860	2.33433
13	0.36826	2.71546	0.38821	2.57593	0.41384	2.44828	0.42894	2.33259
14	0.36859	2.71301	0.38854	2.57371	0.41458	2.44622	0.42929	2.33085
15	0.36892	2.71056	0.38888	2.57150	0.41532	2.44416	0.42963	2.32911
16	0.36925	2.70811	0.38921	2.56928	0.41606	2.44210	0.42998	2.32737
17	0.36958	2.70566	0.38955	2.56707	0.41680	2.44004	0.43032	2.32563
18	0.36991	2.70321	0.38988	2.56485	0.41754	2.43798	0.43067	2.32389
19	0.37024	2.70076	0.39022	2.56264	0.41828	2.43592	0.43101	2.32215
20	0.37057	2.69831	0.39055	2.56042	0.41902	2.43386	0.43136	2.32041
21	0.37090	2.69586	0.39089	2.55821	0.41976	2.43180	0.43170	2.31867
22	0.37123	2.69341	0.39122	2.55600	0.42050	2.42974	0.43205	2.31693
23	0.37156	2.69096	0.39156	2.55379	0.42124	2.42768	0.43239	2.31519
24	0.37189	2.68851	0.39190	2.55158	0.42198	2.42562	0.43274	2.31345
25	0.37222	2.68606	0.39223	2.54937	0.42272	2.42356	0.43308	2.31171
26	0.37255	2.68361	0.39257	2.54716	0.42346	2.42150	0.43343	2.31000
27	0.37288	2.68116	0.39290	2.54495	0.42420	2.41944	0.43377	2.30829
28	0.37321	2.67871	0.39324	2.54274	0.42494	2.41738	0.43412	2.30658
29	0.37354	2.67626	0.39357	2.54053	0.42568	2.41532	0.43447	2.30487
30	0.37387	2.67381	0.39391	2.53832	0.42642	2.41326	0.43481	2.30316
31	0.37420	2.67136	0.39425	2.53611	0.42716	2.41120	0.43516	2.30145
32	0.37453	2.66891	0.39458	2.53390	0.42790	2.40914	0.43550	2.29974
33	0.37486	2.66646	0.39492	2.53169	0.42864	2.40708	0.43585	2.29803
34	0.37519	2.66401	0.39526	2.52948	0.42938	2.40502	0.43619	2.29632
35	0.37552	2.66156	0.39559	2.52727	0.43012	2.40296	0.43654	2.29461
36	0.37585	2.65911	0.39593	2.52506	0.43086	2.40090	0.43688	2.29290
37	0.37618	2.65666	0.39626	2.52285	0.43160	2.39884	0.43723	2.29119
38	0.37651	2.65421	0.39660	2.52064	0.43234	2.39678	0.43757	2.28948
39	0.37684	2.65176	0.39694	2.51843	0.43308	2.39472	0.43792	2.28777
40	0.37717	2.64931	0.39727	2.51622	0.43382	2.39266	0.43826	2.28606
41	0.37750	2.64686	0.39761	2.51401	0.43456	2.39060	0.43861	2.28435
42	0.37783	2.64441	0.39795	2.51180	0.43530	2.38854	0.43895	2.28264
43	0.37816	2.64196	0.39829	2.50959	0.43604	2.38648	0.43930	2.28093
44	0.37849	2.63951	0.39862	2.50738	0.43678	2.38442	0.43964	2.27922
45	0.37882	2.63706	0.39896	2.50517	0.43752	2.38236	0.44000	2.27751
46	0.37915	2.63461	0.39930	2.50296	0.43826	2.38030	0.44034	2.27580
47	0.37948	2.63216	0.39964	2.50075	0.43900	2.37824	0.44070	2.27409
48	0.37981	2.62971	0.39997	2.49854	0.43974	2.37618	0.44105	2.27238
49	0.38014	2.62726	0.40031	2.49633	0.44048	2.37412	0.44140	2.27067
50	0.38047	2.62481	0.40065	2.49412	0.44122	2.37206	0.44175	2.26896
51	0.38080	2.62236	0.40098	2.49191	0.44196	2.37000	0.44210	2.26725
52	0.38113	2.61991	0.40132	2.48970	0.44270	2.36794	0.44244	2.26554
53	0.38146	2.61746	0.40166	2.48749	0.44344	2.36588	0.44279	2.26383
54	0.38179	2.61501	0.40200	2.48528	0.44418	2.36382	0.44313	2.26212
55	0.38212	2.61256	0.40234	2.48307	0.44492	2.36176	0.44348	2.26041
56	0.38245	2.61011	0.40268	2.48086	0.44566	2.35970	0.44382	2.25870
57	0.38278	2.60766	0.40302	2.47865	0.44640	2.35764	0.44417	2.25700
58	0.38311	2.60521	0.40336	2.47644	0.44714	2.35558	0.44451	2.25529
59	0.38344	2.60276	0.40370	2.47423	0.44788	2.35352	0.44486	2.25358
60	0.38377	2.60031	0.40404	2.47202	0.44862	2.35146	0.44520	2.25187
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang
	69°		68°		67°		66°	

第七表 正餘切真數表

	24°		25°		26°		27°		
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	
0	.44323	2.24904	.46831	2.14451	.49773	2.06300	.53053	1.96261	60
1	.44558	2.24428	.46666	2.14358	.49599	2.04879	.52683	1.96130	59
2	.44803	2.23952	.46500	2.14265	.49425	2.03458	.52313	1.95999	58
3	.44627	2.24077	.46334	2.13963	.48851	2.04577	.51963	1.95838	57
4	.44663	2.23902	.46172	2.13801	.48917	2.04136	.51909	1.95933	56
5	.44697	2.23727	.48906	2.13639	.48953	2.04276	.51138	1.95557	55
6	.44729	2.23553	.46843	2.13477	.48989	2.04125	.51173	1.95417	54
7	.44767	2.23378	.46979	2.13316	.49026	2.03975	.51209	1.95277	53
8	.44802	2.23204	.46914	2.13154	.49063	2.03825	.51246	1.95137	52
9	.44837	2.23030	.46950	2.12993	.49098	2.03675	.51283	1.94997	51
10	.44872	2.22857	.46985	2.12832	.49134	2.03526	.51319	1.94858	50
11	.44907	2.22683	.47021	2.12671	.49170	2.03376	.51356	1.94719	49
12	.44942	2.22510	.47056	2.12511	.49206	2.03227	.51393	1.94579	48
13	.44977	2.22337	.47092	2.12350	.49242	2.03078	.51430	1.94440	47
14	.45014	2.22164	.47128	2.12190	.49278	2.02929	.51467	1.94301	46
15	.45047	2.21992	.47163	2.12030	.49315	2.02780	.51503	1.94162	45
16	.45082	2.21819	.47199	2.11870	.49351	2.02631	.51540	1.94023	44
17	.45117	2.21647	.47234	2.11711	.49387	2.02483	.51577	1.93884	43
18	.45153	2.21475	.47270	2.11552	.49423	2.02335	.51614	1.93745	42
19	.45187	2.21304	.47305	2.11393	.49459	2.02187	.51651	1.93606	41
20	.45222	2.21132	.47341	2.11233	.49495	2.02039	.51688	1.93467	40
21	.45257	2.20961	.47377	2.11075	.49532	2.01891	.51724	1.93329	39
22	.45292	2.20790	.47412	2.10916	.49568	2.01743	.51761	1.93191	38
23	.45327	2.20619	.47448	2.10758	.49604	2.01595	.51798	1.93053	37
24	.45362	2.20449	.47483	2.10600	.49640	2.01448	.51835	1.92915	36
25	.45397	2.20278	.47519	2.10442	.49677	2.01300	.51872	1.92777	35
26	.45432	2.20108	.47555	2.10284	.49713	2.01153	.51909	1.92639	34
27	.45467	2.19938	.47590	2.10126	.49749	2.01006	.51946	1.92501	33
28	.45502	2.19769	.47626	2.09969	.49786	2.00862	.51983	1.92363	32
29	.45538	2.19599	.47662	2.09811	.49822	2.00715	.52020	1.92225	31
30	.45573	2.19430	.47698	2.09654	.49858	2.00569	.52057	1.92088	30
31	.45608	2.19261	.47733	2.09498	.49894	2.00423	.52094	1.91950	29
32	.45643	2.19092	.47769	2.09341	.49931	2.00277	.52131	1.91812	28
33	.45678	2.18923	.47805	2.09184	.49967	2.00131	.52168	1.91674	27
34	.45713	2.18755	.47840	2.09028	.50004	1.99986	.52205	1.91536	26
35	.45748	2.18587	.47876	2.08872	.50040	1.99841	.52242	1.91418	25
36	.45784	2.18419	.47912	2.08716	.50076	1.99695	.52279	1.91282	24
37	.45819	2.18251	.47948	2.08560	.50113	1.99550	.52316	1.91147	23
38	.45854	2.18084	.47984	2.08405	.50149	1.99405	.52353	1.91012	22
39	.45889	2.17916	.48019	2.08250	.50185	1.99261	.52390	1.90877	21
40	.45924	2.17749	.48055	2.08094	.50222	1.99116	.52427	1.90741	20
41	.45960	2.17582	.48091	2.07939	.50258	1.98972	.52464	1.90607	19
42	.45995	2.17416	.48127	2.07785	.50295	1.98828	.52501	1.90472	18
43	.46030	2.17249	.48163	2.07630	.50331	1.98684	.52538	1.90337	17
44	.46065	2.17083	.48198	2.07476	.50368	1.98540	.52575	1.90203	16
45	.46101	2.16917	.48234	2.07321	.50404	1.98396	.52613	1.90069	15
46	.46136	2.16751	.48270	2.07167	.50441	1.98253	.52650	1.90035	14
47	.46171	2.16585	.48306	2.07014	.50477	1.98110	.52687	1.90001	13
48	.46206	2.16420	.48342	2.06860	.50514	1.97967	.52724	1.90067	12
49	.46242	2.16255	.48378	2.06706	.50550	1.97823	.52761	1.90033	11
50	.46277	2.16090	.48414	2.06553	.50587	1.97681	.52798	1.90000	10
51	.46312	2.15925	.48450	2.06400	.50623	1.97538	.52836	1.90066	9
52	.46348	2.15760	.48486	2.06247	.50660	1.97395	.52873	1.90133	8
53	.46383	2.15596	.48521	2.06094	.50696	1.97253	.52910	1.90200	7
54	.46418	2.15432	.48557	2.05942	.50733	1.97111	.52947	1.90267	6
55	.46454	2.15268	.48593	2.05790	.50770	1.96969	.52985	1.90334	5
56	.46489	2.15104	.48629	2.05637	.50806	1.96827	.53022	1.90401	4
57	.46525	2.14940	.48665	2.05485	.50843	1.96685	.53059	1.90468	3
58	.46560	2.14777	.48701	2.05333	.50879	1.96544	.53096	1.90535	2
59	.46595	2.14614	.48737	2.05182	.50916	1.96402	.53134	1.90602	1
60	.46631	2.14451	.48773	2.05030	.50953	1.96261	.53171	1.90670	0
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	
		65°		64°		63°		62°	

100 第七表 正餘切真數表

°	25°		26°		30°		31°		
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	
0	.53171	1.89073	.55431	1.80495	.57735	1.73305	.60086	1.66428	60
1	.53208	1.87941	.55499	1.80281	.57774	1.73269	.60126	1.66382	59
2	.53246	1.87029	.55567	1.80158	.57813	1.73233	.60165	1.66336	58
3	.53283	1.86377	.55635	1.80034	.57851	1.73197	.60205	1.66290	57
4	.53320	1.85946	.55703	1.79911	.57890	1.73161	.60245	1.66244	56
5	.53358	1.85713	.55771	1.79788	.57929	1.73125	.60284	1.66198	55
6	.53396	1.85625	.55839	1.79666	.57968	1.73089	.60324	1.66152	54
7	.53434	1.85732	.55907	1.79543	.58007	1.73053	.60363	1.66106	53
8	.53470	1.85921	.55976	1.79419	.58046	1.73017	.60403	1.66060	52
9	.53507	1.86291	.56045	1.79296	.58085	1.72981	.60443	1.66014	51
10	.53545	1.86760	.56114	1.79174	.58124	1.72945	.60483	1.65968	50
11	.53582	1.86630	.56182	1.79051	.58162	1.71882	.60522	1.65922	49
12	.53620	1.86499	.56250	1.78929	.58201	1.71817	.60562	1.65876	48
13	.53657	1.86369	.56319	1.78807	.58240	1.71752	.60602	1.65830	47
14	.53694	1.86239	.56388	1.78685	.58279	1.71687	.60642	1.65784	46
15	.53732	1.86109	.56457	1.78563	.58318	1.71622	.60681	1.65738	45
16	.53769	1.85979	.56526	1.78441	.58357	1.71557	.60721	1.65692	44
17	.53807	1.85850	.56595	1.78319	.58396	1.71492	.60761	1.65646	43
18	.53844	1.85720	.56664	1.78197	.58435	1.71427	.60801	1.65600	42
19	.53882	1.85591	.56733	1.78075	.58474	1.71362	.60841	1.65554	41
20	.53920	1.85462	.56802	1.77953	.58513	1.71297	.60881	1.65508	40
21	.53957	1.85333	.56871	1.77831	.58552	1.71232	.60921	1.65462	39
22	.53995	1.85204	.56940	1.77709	.58591	1.71167	.60961	1.65416	38
23	.54032	1.85075	.57009	1.77587	.58630	1.71102	.61001	1.65370	37
24	.54070	1.84946	.57078	1.77465	.58669	1.71037	.61041	1.65324	36
25	.54107	1.84818	.57147	1.77343	.58708	1.70972	.61081	1.65278	35
26	.54145	1.84689	.57216	1.77221	.58747	1.70907	.61121	1.65232	34
27	.54183	1.84561	.57285	1.77099	.58786	1.70842	.61161	1.65186	33
28	.54220	1.84433	.57354	1.76977	.58825	1.70777	.61201	1.65140	32
29	.54258	1.84305	.57423	1.76855	.58864	1.70712	.61241	1.65094	31
30	.54296	1.84177	.57492	1.76733	.58903	1.70647	.61281	1.65048	30
31	.54333	1.84049	.57561	1.76611	.58942	1.70582	.61321	1.65002	29
32	.54371	1.83922	.57630	1.76489	.58981	1.70517	.61361	1.64956	28
33	.54409	1.83794	.57699	1.76367	.59020	1.70452	.61401	1.64910	27
34	.54446	1.83667	.57768	1.76245	.59059	1.70387	.61441	1.64864	26
35	.54484	1.83540	.57837	1.76123	.59098	1.70322	.61481	1.64818	25
36	.54522	1.83413	.57906	1.76001	.59137	1.70257	.61521	1.64772	24
37	.54560	1.83286	.57975	1.75879	.59176	1.70192	.61561	1.64726	23
38	.54597	1.83159	.58044	1.75757	.59215	1.70127	.61601	1.64680	22
39	.54635	1.83033	.58113	1.75635	.59254	1.70062	.61641	1.64634	21
40	.54673	1.82906	.58182	1.75513	.59293	1.70000	.61681	1.64588	20
41	.54711	1.82780	.58251	1.75391	.59332	1.69935	.61721	1.64542	19
42	.54749	1.82654	.58320	1.75269	.59371	1.69870	.61761	1.64496	18
43	.54786	1.82529	.58389	1.75147	.59410	1.69805	.61801	1.64450	17
44	.54824	1.82403	.58458	1.75025	.59449	1.69740	.61841	1.64404	16
45	.54862	1.82278	.58527	1.74903	.59488	1.69675	.61881	1.64358	15
46	.54900	1.82152	.58596	1.74781	.59527	1.69610	.61921	1.64312	14
47	.54938	1.82027	.58665	1.74659	.59566	1.69545	.61961	1.64266	13
48	.54975	1.81902	.58734	1.74537	.59605	1.69480	.62001	1.64220	12
49	.55013	1.81777	.58803	1.74415	.59644	1.69415	.62041	1.64174	11
50	.55051	1.81651	.58872	1.74293	.59683	1.69350	.62081	1.64128	10
51	.55089	1.81526	.58941	1.74171	.59722	1.69285	.62121	1.64082	9
52	.55127	1.81401	.59010	1.74049	.59761	1.69220	.62161	1.64036	8
53	.55165	1.81276	.59079	1.73927	.59800	1.69155	.62201	1.64000	7
54	.55203	1.81151	.59148	1.73805	.59839	1.69090	.62241	1.63964	6
55	.55241	1.81026	.59217	1.73683	.59878	1.69025	.62281	1.63928	5
56	.55279	1.80901	.59286	1.73561	.59917	1.68960	.62321	1.63892	4
57	.55317	1.80776	.59355	1.73439	.59956	1.68895	.62361	1.63856	3
58	.55355	1.80651	.59424	1.73317	.59995	1.68830	.62401	1.63820	2
59	.55393	1.80526	.59493	1.73195	.60034	1.68765	.62441	1.63784	1
60	.55431	1.80401	.59562	1.73073	.60073	1.68700	.62481	1.63748	0
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	

61°

60°

59°

58°

第七表 正餘切真數表 101

	32°		33°		34°		35°		
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	
0	.02487	1.60033	.04941	1.53986	.07451	1.48256	.10021	1.42815	59
1	.02527	1.59930	.04982	1.53886	.07493	1.48163	.10061	1.42726	60
2	.02568	1.59826	.05024	1.53791	.07536	1.48070	.10102	1.42638	61
3	.02608	1.59723	.05065	1.53693	.07578	1.47977	.10141	1.42550	62
4	.02649	1.59620	.05106	1.53595	.07620	1.47885	.10181	1.42462	63
5	.02689	1.59517	.05148	1.53497	.07663	1.47792	.10223	1.42374	64
6	.02730	1.59414	.05189	1.53400	.07705	1.47699	.10261	1.42286	65
7	.02770	1.59311	.05231	1.53302	.07748	1.47607	.10303	1.42198	66
8	.02811	1.59208	.05272	1.53205	.07790	1.47515	.10345	1.42110	67
9	.02852	1.59105	.05314	1.53107	.07832	1.47422	.10387	1.42022	68
10	.02892	1.59002	.05355	1.53010	.07875	1.47330	.10430	1.41934	69
11	.02933	1.58900	.05397	1.52913	.07917	1.47233	.10470	1.41847	70
12	.02973	1.58797	.05438	1.52816	.07960	1.47146	.10512	1.41759	71
13	.03014	1.58696	.05480	1.52719	.08002	1.47053	.10556	1.41672	72
14	.03055	1.58593	.05521	1.52622	.08045	1.46962	.10600	1.41584	73
15	.03095	1.58490	.05563	1.52525	.08088	1.46870	.10645	1.41497	74
16	.03136	1.58388	.05604	1.52429	.08130	1.46778	.10690	1.41410	75
17	.03177	1.58286	.05646	1.52332	.08173	1.46686	.10736	1.41322	76
18	.03217	1.58184	.05688	1.52235	.08215	1.46595	.10781	1.41235	77
19	.03258	1.58083	.05729	1.52139	.08258	1.46503	.10828	1.41148	78
20	.03299	1.57981	.05771	1.52043	.08301	1.46411	.10874	1.41061	79
21	.03340	1.57879	.05813	1.51946	.08343	1.46320	.10923	1.40974	80
22	.03380	1.57778	.05854	1.51850	.08386	1.46229	.10970	1.40887	81
23	.03421	1.57677	.05896	1.51753	.08428	1.46138	.11019	1.40800	82
24	.03462	1.57575	.05938	1.51658	.08471	1.46046	.11066	1.40713	83
25	.03503	1.57474	.05980	1.51562	.08514	1.45955	.11110	1.40627	84
26	.03544	1.57372	.06021	1.51466	.08557	1.45864	.11155	1.40540	85
27	.03584	1.57271	.06063	1.51370	.08600	1.45773	.11198	1.40454	86
28	.03625	1.57170	.06105	1.51275	.08642	1.45682	.11243	1.40367	87
29	.03666	1.57069	.06147	1.51179	.08685	1.45592	.11285	1.40281	88
30	.03707	1.56969	.06189	1.51084	.08728	1.45501	.11329	1.40195	89
31	.03748	1.56868	.06230	1.50988	.08771	1.45410	.11373	1.40109	90
32	.03789	1.56767	.06272	1.50893	.08814	1.45320	.11417	1.40022	91
33	.03830	1.56666	.06314	1.50797	.08857	1.45229	.11461	1.39936	92
34	.03871	1.56566	.06356	1.50702	.08900	1.45139	.11505	1.39850	93
35	.03912	1.56466	.06398	1.50607	.08942	1.45049	.11549	1.39764	94
36	.03953	1.56366	.06440	1.50512	.08985	1.44958	.11593	1.39678	95
37	.03994	1.56266	.06482	1.50417	.09028	1.44868	.11637	1.39592	96
38	.04035	1.56165	.06524	1.50322	.09071	1.44777	.11681	1.39506	97
39	.04076	1.56065	.06566	1.50228	.09114	1.44688	.11725	1.39421	98
40	.04117	1.55966	.06608	1.50133	.09157	1.44598	.11769	1.39336	99
41	.04158	1.55866	.06650	1.50038	.09200	1.44508	.11813	1.39250	100
42	.04199	1.55766	.06692	1.49944	.09243	1.44418	.11857	1.39165	1
43	.04240	1.55666	.06734	1.49849	.09285	1.44329	.11901	1.39079	2
44	.04281	1.55567	.06776	1.49755	.09328	1.44239	.11946	1.38994	3
45	.04322	1.55467	.06818	1.49661	.09372	1.44149	.11990	1.38909	4
46	.04363	1.55368	.06860	1.49566	.09415	1.44060	.12035	1.38824	5
47	.04404	1.55269	.06902	1.49472	.09458	1.43970	.12079	1.38739	6
48	.04445	1.55170	.06944	1.49378	.09502	1.43881	.12122	1.38653	7
49	.04487	1.55071	.06986	1.49284	.09545	1.43792	.12167	1.38568	8
50	.04528	1.54972	.07028	1.49190	.09588	1.43703	.12211	1.38483	9
51	.04569	1.54873	.07071	1.49097	.09631	1.43614	.12255	1.38397	10
52	.04610	1.54774	.07113	1.49003	.09675	1.43525	.12299	1.38311	1
53	.04652	1.54675	.07155	1.48909	.09718	1.43436	.12344	1.38225	2
54	.04693	1.54576	.07197	1.48816	.09761	1.43347	.12388	1.38139	3
55	.04734	1.54478	.07239	1.48722	.09804	1.43258	.12432	1.38053	4
56	.04775	1.54379	.07282	1.48629	.09847	1.43169	.12477	1.37967	5
57	.04817	1.54281	.07324	1.48536	.09891	1.43080	.12521	1.37881	6
58	.04858	1.54183	.07366	1.48442	.09934	1.42992	.12565	1.37795	7
59	.04899	1.54085	.07408	1.48349	.09977	1.42903	.12609	1.37709	8
60	.04941	1.53986	.07451	1.48256	.10021	1.42815	.12654	1.37623	9
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	
	57°		56°		55°		54°		

102 第七表 正餘切真數表

°	36°		37°		38°		39°	
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang
0	.7351	1.37628	.7355	1.3764	.7359	1.3764	.8078	1.23499
1	.7359	1.37551	.7361	1.3764	.7365	1.3764	.8079	1.23416
2	.7367	1.37474	.7369	1.3764	.7373	1.3764	.8080	1.23333
3	.7375	1.37397	.7377	1.3764	.7381	1.3764	.8081	1.23250
4	.7383	1.37320	.7385	1.3764	.7389	1.3764	.8082	1.23167
5	.7391	1.37243	.7393	1.3764	.7397	1.3764	.8083	1.23084
6	.7399	1.37166	.7401	1.3764	.7405	1.3764	.8084	1.23001
7	.7407	1.37089	.7409	1.3764	.7413	1.3764	.8085	1.22918
8	.7415	1.37012	.7417	1.3764	.7421	1.3764	.8086	1.22835
9	.7423	1.36935	.7425	1.3764	.7429	1.3764	.8087	1.22752
10	.7431	1.36858	.7433	1.3764	.7437	1.3764	.8088	1.22669
11	.7439	1.36781	.7441	1.3764	.7445	1.3764	.8089	1.22586
12	.7447	1.36704	.7449	1.3764	.7453	1.3764	.8090	1.22503
13	.7455	1.36627	.7457	1.3764	.7461	1.3764	.8091	1.22420
14	.7463	1.36550	.7465	1.3764	.7469	1.3764	.8092	1.22337
15	.7471	1.36473	.7473	1.3764	.7477	1.3764	.8093	1.22254
16	.7479	1.36396	.7481	1.3764	.7485	1.3764	.8094	1.22171
17	.7487	1.36319	.7489	1.3764	.7493	1.3764	.8095	1.22088
18	.7495	1.36242	.7497	1.3764	.7499	1.3764	.8096	1.22005
19	.7503	1.36165	.7505	1.3764	.7509	1.3764	.8097	1.21922
20	.7511	1.36088	.7513	1.3764	.7517	1.3764	.8098	1.21839
21	.7519	1.36011	.7521	1.3764	.7525	1.3764	.8099	1.21756
22	.7527	1.35934	.7529	1.3764	.7533	1.3764	.8100	1.21673
23	.7535	1.35857	.7537	1.3764	.7541	1.3764	.8101	1.21590
24	.7543	1.35780	.7545	1.3764	.7549	1.3764	.8102	1.21507
25	.7551	1.35703	.7553	1.3764	.7557	1.3764	.8103	1.21424
26	.7559	1.35626	.7561	1.3764	.7565	1.3764	.8104	1.21341
27	.7567	1.35549	.7569	1.3764	.7573	1.3764	.8105	1.21258
28	.7575	1.35472	.7577	1.3764	.7581	1.3764	.8106	1.21175
29	.7583	1.35395	.7585	1.3764	.7589	1.3764	.8107	1.21092
30	.7591	1.35318	.7593	1.3764	.7597	1.3764	.8108	1.21009
31	.7599	1.35241	.7601	1.3764	.7605	1.3764	.8109	1.20926
32	.7607	1.35164	.7609	1.3764	.7613	1.3764	.8110	1.20843
33	.7615	1.35087	.7617	1.3764	.7621	1.3764	.8111	1.20760
34	.7623	1.35010	.7625	1.3764	.7629	1.3764	.8112	1.20677
35	.7631	1.34933	.7633	1.3764	.7637	1.3764	.8113	1.20594
36	.7639	1.34856	.7641	1.3764	.7645	1.3764	.8114	1.20511
37	.7647	1.34779	.7649	1.3764	.7653	1.3764	.8115	1.20428
38	.7655	1.34702	.7657	1.3764	.7661	1.3764	.8116	1.20345
39	.7663	1.34625	.7665	1.3764	.7669	1.3764	.8117	1.20262
40	.7671	1.34548	.7673	1.3764	.7677	1.3764	.8118	1.20179
41	.7679	1.34471	.7681	1.3764	.7685	1.3764	.8119	1.20096
42	.7687	1.34394	.7689	1.3764	.7693	1.3764	.8120	1.20013
43	.7695	1.34317	.7697	1.3764	.7701	1.3764	.8121	1.19930
44	.7703	1.34240	.7705	1.3764	.7709	1.3764	.8122	1.19847
45	.7711	1.34163	.7713	1.3764	.7717	1.3764	.8123	1.19764
46	.7719	1.34086	.7721	1.3764	.7725	1.3764	.8124	1.19681
47	.7727	1.34009	.7729	1.3764	.7733	1.3764	.8125	1.19598
48	.7735	1.33932	.7737	1.3764	.7741	1.3764	.8126	1.19515
49	.7743	1.33855	.7745	1.3764	.7749	1.3764	.8127	1.19432
50	.7751	1.33778	.7753	1.3764	.7757	1.3764	.8128	1.19349
51	.7759	1.33701	.7761	1.3764	.7765	1.3764	.8129	1.19266
52	.7767	1.33624	.7769	1.3764	.7773	1.3764	.8130	1.19183
53	.7775	1.33547	.7777	1.3764	.7781	1.3764	.8131	1.19100
54	.7783	1.33470	.7785	1.3764	.7789	1.3764	.8132	1.19017
55	.7791	1.33393	.7793	1.3764	.7797	1.3764	.8133	1.18934
56	.7799	1.33316	.7801	1.3764	.7805	1.3764	.8134	1.18851
57	.7807	1.33239	.7809	1.3764	.7813	1.3764	.8135	1.18768
58	.7815	1.33162	.7817	1.3764	.7821	1.3764	.8136	1.18685
59	.7823	1.33085	.7825	1.3764	.7829	1.3764	.8137	1.18602
60	.7831	1.33008	.7833	1.3764	.7837	1.3764	.8138	1.18519
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang
	53°		52°		51°		50°	

第七表 正餘切真數表 103

	40°		41°		42°		43°	
	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang
0	83910	1.19175	86229	1.16667	88649	1.14361	91169	1.12227
1	83960	1.19103	86289	1.14939	88709	1.12996	91229	1.12174
2	84010	1.19033	86349	1.14902	88769	1.12931	91289	1.12121
3	84059	1.18964	86408	1.14834	88829	1.12867	91349	1.12068
4	84108	1.18894	86468	1.14767	88889	1.12802	91409	1.12015
5	84158	1.18824	86528	1.14700	88949	1.12737	91469	1.11962
6	84208	1.18754	86588	1.14632	89009	1.12672	91529	1.11909
7	84258	1.18684	86648	1.14565	89069	1.12607	91589	1.11856
8	84307	1.18614	86708	1.14498	89129	1.12542	91649	1.11803
9	84357	1.18544	86768	1.14430	89189	1.12477	91709	1.11750
10	84407	1.18474	86828	1.14363	89249	1.12411	91769	1.11697
11	84457	1.18404	86888	1.14296	89309	1.12346	91829	1.11644
12	84507	1.18334	86948	1.14229	89369	1.12281	91889	1.11591
13	84556	1.18264	87008	1.14162	89429	1.12216	91949	1.11538
14	84606	1.18194	87068	1.14095	89489	1.12151	92009	1.11485
15	84656	1.18124	87128	1.14028	89549	1.12086	92069	1.11432
16	84706	1.18053	87188	1.13961	89609	1.12021	92129	1.11379
17	84756	1.17983	87248	1.13894	89669	1.11956	92189	1.11326
18	84806	1.17913	87308	1.13828	89729	1.11891	92249	1.11273
19	84856	1.17843	87368	1.13761	89789	1.11826	92309	1.11220
20	84906	1.17773	87428	1.13694	89849	1.11761	92369	1.11167
21	84956	1.17703	87488	1.13627	89909	1.11696	92429	1.11114
22	85006	1.17633	87548	1.13561	89969	1.11631	92489	1.11061
23	85056	1.17563	87608	1.13494	90029	1.11566	92549	1.11008
24	85106	1.17493	87668	1.13428	90089	1.11501	92609	1.10955
25	85156	1.17423	87728	1.13361	90149	1.11436	92669	1.10902
26	85206	1.17353	87788	1.13295	90209	1.11371	92729	1.10849
27	85256	1.17283	87848	1.13228	90269	1.11306	92789	1.10796
28	85306	1.17213	87908	1.13162	90329	1.11241	92849	1.10743
29	85356	1.17143	87968	1.13095	90389	1.11176	92909	1.10690
30	85406	1.17073	88028	1.13029	90449	1.11111	92969	1.10637
31	85456	1.17003	88088	1.12963	90509	1.11046	93029	1.10584
32	85506	1.16933	88148	1.12897	90569	1.10981	93089	1.10531
33	85556	1.16863	88208	1.12831	90629	1.10916	93149	1.10478
34	85606	1.16793	88268	1.12765	90689	1.10851	93209	1.10425
35	85656	1.16723	88328	1.12699	90749	1.10786	93269	1.10372
36	85706	1.16653	88388	1.12633	90809	1.10721	93329	1.10319
37	85756	1.16583	88448	1.12567	90869	1.10656	93389	1.10266
38	85806	1.16513	88508	1.12501	90929	1.10591	93449	1.10213
39	85856	1.16443	88568	1.12435	90989	1.10526	93509	1.10160
40	85906	1.16373	88628	1.12369	91049	1.10461	93569	1.10107
41	85956	1.16303	88688	1.12303	91109	1.10396	93629	1.10054
42	86006	1.16233	88748	1.12237	91169	1.10331	93689	1.10001
43	86056	1.16163	88808	1.12172	91229	1.10266	93749	1.09948
44	86106	1.16093	88868	1.12106	91289	1.10201	93809	1.09895
45	86156	1.16023	88928	1.12041	91349	1.10136	93869	1.09842
46	86206	1.15953	88988	1.11975	91409	1.10071	93929	1.09789
47	86256	1.15883	89048	1.11909	91469	1.10006	93989	1.09736
48	86306	1.15813	89108	1.11844	91529	1.09941	94049	1.09683
49	86356	1.15743	89168	1.11778	91589	1.09876	94109	1.09630
50	86406	1.15673	89228	1.11713	91649	1.09811	94169	1.09577
51	86456	1.15603	89288	1.11647	91709	1.09746	94229	1.09524
52	86506	1.15533	89348	1.11582	91769	1.09681	94289	1.09471
53	86556	1.15463	89408	1.11517	91829	1.09616	94349	1.09418
54	86606	1.15393	89468	1.11452	91889	1.09551	94409	1.09365
55	86656	1.15323	89528	1.11387	91949	1.09486	94469	1.09312
56	86706	1.15253	89588	1.11321	92009	1.09421	94529	1.09259
57	86756	1.15183	89648	1.11256	92069	1.09356	94589	1.09206
58	86806	1.15113	89708	1.11191	92129	1.09291	94649	1.09153
59	86856	1.15043	89768	1.11126	92189	1.09226	94709	1.09100
60	86906	1.14973	89828	1.11061	92249	1.09161	94769	1.09047
	Cotang	Tang	Cotang	Tang	Cotang	Tang	Cotang	Tang

49°

48°

47°

46°

104 第七表 正餘切眞數表

	44°			44°					44°		
	Tang	Cotang		Tang	Cotang	Tang	Cotang				
0	.96669	1.03553	60	30	.97700	1.02355	40	40	.98843	1.01170	50
1	.96625	1.03493	59	21	.97756	1.02295	39	41	.98901	1.01112	19
2	.96581	1.03433	58	22	.97813	1.02236	38	42	.98958	1.01053	18
3	.96534	1.03372	57	23	.97870	1.02176	37	43	.99016	1.00994	17
4	.96489	1.03312	56	24	.97927	1.02117	36	44	.99073	1.00935	16
5	.96443	1.03252	55	25	.97984	1.02057	35	45	.99131	1.00876	15
6	.96397	1.03192	54	26	.98041	1.01998	34	46	.99189	1.00816	14
7	.96353	1.03132	53	27	.98098	1.01939	33	47	.99247	1.00757	13
8	.96309	1.03072	52	28	.98155	1.01879	32	48	.99304	1.00701	12
9	.96265	1.03012	51	29	.98213	1.01820	31	49	.99362	1.00642	11
10	.96223	1.02952	50	30	.98270	1.01761	30	50	.99420	1.00583	10
11	.97189	1.02892	49	31	.98327	1.01702	29	51	.99478	1.00525	9
12	.97246	1.02832	48	32	.98384	1.01643	28	52	.99536	1.00467	8
13	.97302	1.02772	47	33	.98441	1.01583	27	53	.99594	1.00408	7
14	.97359	1.02713	46	34	.98499	1.01524	26	54	.99652	1.00350	6
15	.97416	1.02653	45	35	.98556	1.01465	25	55	.99710	1.00291	5
16	.97472	1.02593	44	36	.98613	1.01406	24	56	.99768	1.00233	4
17	.97529	1.02533	43	37	.98671	1.01347	23	57	.99826	1.00175	3
18	.97586	1.02474	42	38	.98729	1.01288	22	58	.99884	1.00116	2
19	.97643	1.02414	41	39	.98786	1.01229	21	59	.99942	1.00058	1
20	.97700	1.02355	40	40	.98843	1.01170	20	60	1.00000	1.00000	0
	Cotang	Tang		Cotang	Tang		Cotang	Tang		Cotang	Tang
	45°			45°					45°		



## 英漢術語對照表

A	B
Aberration of sphericity, 曲差	Axis, 軸
Abridged division, 縮除法	Axis of figure, 相軸
Abridged multiplication, 縮乘法	Azimuth, 方位角, 全圓方位
Abscissa, 橫線	Azimuth method, 全圓方位法
Accessories, 附屬品	Azimuth screw, 橫線絲
Accidental error, 偶差	B
Accuracy, 精度	Back azimuth, 後方位 (全圓)
Accurate measurement, 精測法	Back bearing, 後方位 (象限)
Achromatic lens, 脫色透鏡	Back sight, 後望
Acre, 英畝	Balancing a survey, 測量之調整
Addition constant, 加常數	Ball and socket joint, 球窩連結
Adjusting pin, 訂正針	Ball spindle, 球軸
Adjusting screw, 訂正螺絲	Bar magnet, 棒磁石
Adjustment, 訂正	Barometric leveling, 氣壓準測
Agonic line, 無偏線	Batter board, 標板
A-level, A 形準器	Bearing, 象限方位或方位
Alidade, 照準規	Bearing method, 象限方位法
Alignment, 定向	Bench, 平準標
Allowable error, 許容誤差	Bench mark, 平準標
Altitude screw, 縱螺絲	Bessel's method, 極塞爾法
Amplifying lens, 擴大透鏡	Binocular hand level, 雙眼手準器
Amsler, 安姆斯勒	Block level, 塊準器
Analytical solution, 解析的解法	Blue printing, 藍圖工
Angle method, 角度法	Boston rod, 波頓頓桿
Angle mirror, 角鏡	Box sextant, 懷中六分儀
Angle of deflection, 偏角	Box staff, 盒尺
Angular distance, 角距	Brass head, 黃銅頭
Annual variation, 年差	Bubble reading, 氣泡指度
Aperture, 孔徑	Bubble tube, 泡管
Architect's level, 建築水準儀	Builder's transit, 建築經緯儀
Arm, 臂	Burnt sienna, 代赭
Area, 面積	Burnt umber, 赭茶
Assumed meridian, 假定子午線	C
Astronomical transit, 天文經緯儀	Calipers, 測徑器
Auxiliary line, 補助線	Capstan headed screw, 較盤頭螺絲
Averaging end areas, 兩端面平均法	Cautionary curve, 注意曲線
Axeman and flagman, 斧手	Celestial sphere, 天球

Center beam, 中樑	Cross hairs, 十字線
Center peg, 中心椿	Cross sectional leveling, 橫斷面準測
Chain, 鎖, 測鎖	Cross staff, 十字桿
Chaining, 鎖測	Crown glass, 冕玻璃
Chain line, 鎖線	Cugnot's joint, 雙枕連結
Chain-man, 鎖鎖者	Cumulative error, 累差
Chain surveying, 鎖鎖測量術	Cursor, 游標
Change point, 轉換點	Curvature, 曲率
Check, 核對	
Check level, 檢驗準測	D
Chromatic aberration, 色差	Damping, 濕結法
Circular level, 球準器	Dancing of air, 空氣之顫躍
City surveying, 市街測量術	Datum, 平準基面
Clamp screw, 止動螺絲	Datum plane, 平準基面
Clinometer, 斜準器	Declination (of needle), (磁針之) 偏差
Clip, 鉗器	Declinator, 偏角器
Closed curve, 閉曲線	Definition, 明瞭度
Closed traverse, 閉折線	Deflection angle, 偏角
Closing line, 閉線	Deflection angle method, 偏角法
Closing the horizon, 地平之閉合	Departure, 經距
Column method, 縱樑式	Deviation of plumb line, 垂線之偏向
Compass, 羅盤儀	Diagonal offsetting, 斜枝法
Compass box, 羅盤盒	Diagonal prism, 斜稜鏡
Compass circle, 羅盤圈	Diaeram, 表圖
Compass plate, 羅盤板	Dial, 日規
Compass surveying, 羅盤儀測量術	Differential leveling, 高低準測
Compass vernier, 羅盤儀遊標	Direct leveling, 直接準測
Compensating error, 差差	Direct method, 直接法
Compensating planimeter, 補正面積計	Direct vernier, 順遊標
Compound lens, 複合透鏡	Directrix, 準線
Computation, 計算	Discrepancy, 差異
Concavo-convex lens, 凹凸透鏡	Diurnal variation, 日差
Conjugate foci, 共軛焦點	Diverging lens, 廣大透鏡
Constant error, 定差	Double compass circle, 二重羅盤圈
Contour, 等高線	Double convex lens, 兩凹透鏡
Contour line, 等高線	Double meridian distance, 倍子午線距離
Converging lens, 收斂透鏡	Double vernier, 複遊標
Copying glass, 臚圖玻璃	Drawing, 製圖
Copying instrument, 臚圖器械	Drop arrow, 落針或落下測針
Copying point, 臚點	Dumpy level, 短型水準儀
Correction, 更正	Dust guard, 塵塵蓋
Correction due to curvature, 曲率更正	
Correlate, 不定常數	E
Crimson lake, 添紅	Earth surface, 地面
	Earthwork, 土工

Eastern elongation, 東離曆  
 Eccentricity, 偏心, 偏心距離  
 Eidograph, 摹動轉圖器  
 Elevation, 高度  
 Emerald green, 碧綠  
 Engineer's chain, 工程鎖  
 Engineer's level, 工程水準儀  
 Engineer's transit, 工程經緯儀  
 Equivalent mean depth, 等均高  
 Erasing, 擦拭工  
 Erecting eye-piece, 正像對眼鏡  
 Erecting piece, 正像鏡  
 Error, 誤差  
 Error of closure, 閉差  
 Expansion tripod, 伸縮三腳架  
 Explanatory note, 說明  
 Eye lens, 接眼透鏡  
 Eye piece, 對眼鏡

## F

False station, 假測點  
 Field lens, 視野透鏡  
 Field note, 野簿  
 Field of view, 視野  
 Field work, 外業  
 Final reading, 終指數  
 Finishing the map, 地圖之完成  
 Finite and continuous function, 有  
 限連續函數  
 Flint glass, 鉛玻璃  
 Flying level, 簡捷準測  
 Focal distance, 焦點距離  
 Focussing, 焦點調和  
 Folded vernier, 重疊遊標  
 Follower, 後鎖者  
 Foot plate, 腳板  
 Foot screw, 整準螺絲  
 Fore chainman, 前鎖者  
 Fore sight, 前望  
 Formation level, 施工基面  
 Forward azimuth, 前方位(全圓)  
 Forward bearing, 前方位(象限)  
 Focus green, 黃綠

## G

Gamboge, 藤黃  
 Generatrix, 母線  
 Geodesy, 大地測量術或測地術  
 Geodetic surveying, ,,  
 Give-and-take line, 取捨線  
 Gothic type, 哥式式  
 Grade, 坡度  
 Grade line, 坡度線  
 Grade rod, 坡度桿高  
 Grade stake, 坡度椿  
 Gradienter screw, 測斜螺絲  
 Grading, 坪地  
 Graduation, 刻度  
 Graphical solution, 圖解的解法  
 Grund line, (投影圖之) 基線  
 Guard stake, 保護椿  
 Gunter's chain, 剛德鎖

## H

Hairs reading, 絲指數  
 Hand level, 手準器  
 Head (of tripod), (三腳架之) 架頭  
 Horizon, 地平面  
 Horizon glass, 水平鏡  
 Horizontal axis, 橫軸  
 Horizontal circle, 橫圈  
 Horizontal line, 地平線  
 Horizontal plane, 地平面  
 Huygen's negative eye piece, 海根遜  
 虛像對眼鏡  
 Hydrographical surveying, 河海測量  
 術

## I

Illumination, 光度  
 Image, 像  
 Indeterminate constant, 不定常數  
 Index arm, 指臂  
 Index error, 指差  
 Index glass, 指鏡  
 Indigo, 靛藍  
 Indirect leveling, 間接準測

Indirect method, 間接法  
 Initial reading, 始指數  
 Inking, 上墨工  
 Inspection, 檢查  
 Instrument height, 器高  
 Instrument height system, 器高式  
 Instrument error, 器械誤差  
 Intermediate point, 中間點  
 Intermediate sight, 間望  
 Interpolation, 間插法  
 Intersection, 交切法  
 Interval factor, 絲距係數  
 Inverted, 反位  
 Inverting eye piece, 倒像對物鏡  
 Isogonic line, 等偏線

## J

Jacob's staff, 獨脚  
 Joint, 連結

## K

Kerna, 客爾納  
 Key, 符號凡例

## L

Land surveying, 陸地測量術  
 Latitude, 緯距  
 Leader, 前領者  
 Least Square, 最小二乘法  
 Leg, 脚  
 Legend, 符號凡例  
 Lens, 透鏡  
 Lettering, 題字  
 Level, 水準儀  
 Level bar, 水平棍  
 Level line, 水平線  
 Level-man, 水準儀者  
 Level party, 水準儀班  
 Level surface, 水平面  
 Level tester, 驗準器  
 Level trier, 驗準器  
 Leveling, 平準測量或準測  
 Leveling head, 整準裝置  
 Leveling rod, 水準桿或水準尺  
 Leveling screw, 整準螺絲

Leveling staff, 水準桿或水準尺  
 Limit of precision, 精限  
 Line of collimation, 照準線  
 Line of sight, 透望線  
 Line ranger, 定線器  
 Line surveying, 路線測量術  
 Linen tape, 麻布卷尺或皮尺  
 Link, 節  
 Link motion, 連桿運動  
 Llano's method, 拉諾法  
 Local attraction, 局部引力  
 Logarithmic scale, 計算尺  
 Lower clamp, 下止動  
 Lower culmination, 下正中  
 Lower plate, 下板  
 Lunar enequality, 月不等

## M

Magnetic axis, 磁軸  
 Magnetic meridian, 磁氣子午線  
 Magnetic needle, 磁針  
 Magnetic north-and-south line, 磁  
 北線  
 Magnetize, 加磁  
 Magnification, 擴大度  
 Main scale, 主尺  
 Main ruler, 主尺  
 Marine surveying, 海洋測量術  
 Marking arrow, 測針  
 Marking pin, 測針  
 Measurement, 量測  
 Measuring by repetition, 覆測法  
 Measuring wheel, 測輪  
 Mechanical solution, 機械的解法  
 Meridian, 子午線  
 Meridian distance, 子午線距離  
 Meridian needle, 指北針  
 Meridian plane, 子午面  
 Metallic tape, 鐵線卷尺  
 Method of middle area, 中央断面法  
 Method of reversion, 反轉法  
 Method of squares, 方格法  
 Metric chain, 杖鉤  
 Micrometer screw, 測微螺絲  
 Mill headed screw, 刻度頭螺絲  
 Mining surveying, 鑛山測量術

Mining transit, 鑛山經緯儀  
 Minus, 負  
 Minus sight, 負望  
 Mississippi, 密西西必河  
 Mistake, 錯誤  
 Monocular hand level, 單眼手準器  
 Most probable error, 最當差  
 Most probable value, 最當值  
 Multiplication constant, 乘常數

## N

Natural error, 天然誤差  
 Nautical Almanac, 天文曆  
 Needle lifter, 聚針器  
 Neutral tint, 蔡鼠  
 New York rod, 紐約桿  
 Normal, 正位  
 Normal equation, 正規式  
 North pole, 北極  
 Note keeper, 記錄者  
 Numerical value, 數字  
 Nut, 螺絲帽

## O

Object glass, 對物鏡  
 Object lens, 接物透鏡  
 Objective, 對物鏡  
 Observation, 觀測  
 Observational error, 觀測誤差  
 Odometer, 輪轉計  
 Office work, 內業  
 Offset, 枝距  
 Offset, 枝距  
 Offset scale, 枝距尺  
 Optical center, 光心  
 Optical square, 垂直鏡  
 Ordinate, 縱線  
 Orientation, 定位  
 Orienting the transit, 經緯儀之定位  
 Outer spindle, 外軸  
 Out-keeper, 記錄器  
 Outline shading, 線影法

## P

Pantograph, 桿動繪圖器  
 Paper fastening, 鉛紙法

Parallax, 石蠟  
 Parallax, 視差  
 Passometer, 步測計  
 Pedometer, 步程計  
 Peg adjustment, 椿E法  
 Penciling, 鉛筆工  
 Pendulum level, 鐘準器  
 Perambulator, 輪程計  
 Personal error, 個人誤差  
 Philadelphia rod, 斐拉德爾斐亞桿  
 Pin, 小針  
 Pitch, 螺絲距  
 Pivot, 尖結  
 Plain circle, 普通圓  
 Plain compass, 普通羅盤儀  
 Plain tripod, 普通三脚架  
 Plane of sight, 透望面  
 Plane surveying, 平面測量術  
 Plane table, 平板儀  
 Plane table surveying, 平板儀測量術  
 Planimeter, 面積計  
 Plano-convex lens, 平凹透鏡  
 Plate level, 板準器  
 Plotting the map, 地圖之描畫  
 Plumb bob, 垂錘  
 Plumbing bar, 垂錘桿  
 Plumb line, 垂絲  
 Plumb line level, 鐘準器  
 Plummet, 垂錘  
 Plunging, 轉鏡  
 Plus, 正  
 Plus sight, 正望  
 Pocket compass, 懷中羅盤儀  
 Point, 點  
 Polar axis, 極桿  
 Polar distance, 極距  
 Polar planimeter, 定極面積計  
 Polaris, 北極星  
 Pole, 極, 測桿  
 Pole star, 北極星  
 Precise level, 精密水準儀  
 Principal axis, 主軸  
 Principal focus, 主焦點  
 Principal point, 主點  
 Principal ray, 主光線  
 Prismatic compass, 稜鏡羅盤儀

Prismatic dumpy level, 稜鏡短肥水  
單儀  
Prismoid, 擬塔  
Prismoidal formula, 擬塔公式  
Probable error, 當差  
Profile, 縱斷面圖  
Profile leveling, 縱斷面準測  
Profile paper, 縱斷面圖紙  
Progression, 進測法  
Proof line, 檢線  
Proportional divider, 比例兩脚規  
Prussian blue, 普藍  
Pumice powder, 浮石粉  
Pappus's theorem, 拉普斯定理

## R

Radiation, 放射法  
Radio-progression, 放射進測法  
Railway compass, 鐵路羅盤儀  
Ramsden's positive eye piece, 耶謨  
斯登實像對眼鏡  
Ranging, 定向  
Ranging pole, 測桿  
Ratio of closure, 閉比  
Real image, 實像  
Rear chainman, 後旗者  
Record disc, 記錄盤  
Rectangular coordinate axes, 直角縱  
橫軸  
Red ochre, 紅丹  
Reduction of stadia reading, 絲測指  
數之改算  
Reference line, 根據線  
Reference stake, 參考椿  
Reflecting level, 反射準器  
Reflector, 反射器  
Refractional coefficient, 屈折係數  
Resection, 截斷法  
Residual, 殘餘  
Retrograde vernier, 逆遊標  
Reversing in altitude and azimuth,  
縱橫倒轉  
Ring of telescope tube, 鏡筒環  
Rise and fall system, 昇降式  
River surveying, 河川測量術

Road bed, 路基  
Rod, 桿  
Rod error, 準桿誤差  
Rod intercept, 桿距  
Rod level, 桿準器  
Rod-man, 桿夫  
Rod reading, 桿指數  
Rolling ball planimeter, 旋球面積計  
Rolling disc planimeter, 旋盤面積計  
Roman type, 羅馬式  
Route surveying, 路線測量術  
Running transit-line, 設置經緯線

## S

Secondary axis, 副軸  
Secular variation, 遲差  
Self-reading rod, 自讀桿  
Sensitiveness, 銳敏度  
Sepia, 墨灰  
Setting up of instrument, 器械之安置  
Sextant, 六分儀  
Shell joint, 殼連結  
Shifting center, 移心  
Shoulder, 坡首  
Shrinkage of earthwork, 土工之收縮  
Side ditch, 側溝  
Side slope, 側坡  
Sight, 透望板  
Sight vane, 透望板  
Signal, 透望標  
Simple measurement, 單測法  
Simpson's first rule, 新蒲遜第一公式  
Simpson's second rule, 新蒲遜第二公  
式  
Single vernier, 單遊標  
Size of field of view, 視野廣度  
Sketch, 描圖  
Sketch method, 描圖式  
Slide, 滑器, 滑尺  
Slide rule, 計算尺  
Slide ruler, 滑尺  
Sliding box, 滑盒  
Slope, 斜坡, 坡度  
Slope stake, 坡椿  
Solar compass, 測日羅盤儀

Speaking rod, 自讀桿  
Spherical aberration, 球差  
Spirit leveling, 酒精準測  
Split-leg tripod, 裂脚三脚架  
Spring catch, 彈鈎  
Squaring-off, 方邊法  
Source of error, 誤差之起因  
Stadia hairs, 測距絲  
Stadia interval, 絲距  
Stadia reading, 絲測指數  
Stadia rod, 測距桿  
Stadia station, 距絲點  
Stadia surveying, 距絲測量術  
Staff station, 距桿點  
Stake-out, 定樁  
Standard, 支架  
Station, 測點  
Station pointer, 三臂分度規  
Steel axis, 鋼軸  
Steel tape, 鋼卷尺  
Steinheil, 斯泰因特兒  
Stop, 止針器  
Suffix, 附尾字  
Surveying, 測量  
Surveying, 測量術  
Surveyor's compass, 測量羅盤儀  
Surveyor's transit, 測量經緯儀  
Suspended planimeter, 懸盤面積計

## T

Tachymeter, 速測儀  
Tachymetry, 速測法  
Tail, 坡尾  
Tally resister, 記數計  
Tangent scale, 切線尺  
Tangent screw, 微動螺絲  
Tape, 卷尺  
Target, 望標  
Target rod, 望標桿  
Telescope, 望遠鏡  
Telescope level, 鏡準器  
Telescope tube, 鏡筒  
Test, 檢驗  
Test level, 檢驗準測  
Theodolite, 定鏡經緯儀

Three-armed protractor, 三臂分度規  
Three-level section, 三準面  
Three point method, 三點法  
Three point problem, 三點問題  
Tie line, 繫線  
Tinting, 設色工  
Title, 標題  
Topographical surveying, 地形測量術  
Topographic map, 地形圖  
Trachameter, 輪轉計  
Tracing, 透描工  
Tracing arm, 象臂  
Tracing cloth, 蠟布  
Tracing paper, 蠟紙  
Tracing point, 象點  
Transit, 經緯儀  
Transit circle, 經緯圈  
Transit-line, 經緯線  
Transit-line angle, 經緯線角  
Transit-man, 經緯儀者  
Transit party, 經緯儀班  
Transit station, 經緯點  
Transit surveying, 經緯儀測量術  
Transiting, 轉鏡  
Trapezoidal rule, 梯形公式  
Trautwine, 托洛托羅因

Traverse, 折線  
Traverse plane table, 折測平板儀  
Traversing, 折測法  
Trembling of air, 空氣之顫動  
Trial level, 試驗準測  
Triangulation, 三角測量  
Trigonometrical leveling, 三角準測  
Tripod, 三脚架  
Troy rod, 托羅桿  
True error, 真差  
True north-and-south line, 真北線  
Tunnel surveying, 隧道測量術  
Turning point, 轉換點  
Two circle problem, 二圓法  
Two point problem, 二點問題

## U

Upper clamp, 上止動  
Upper culmination, 上正中

Upper plate, 上板	Weddel's rule, 威得爾公式
Ursa major, 大熊星或北斗星	Weight, 體重率
Ursa minor, 小熊星	Western elongation, 西離隔
	Worm gearing, 螺輪連動
V	Wrapped surface, 渦面
Variation of declination, 偏差之變化	Wye, Y 形支架
Vernier, 遊標	
Vernier compass, 遊標羅盤儀	Y
Vertical axis, 縱軸	Y, Y 形支架
Vertical circle, 縱圈	Yellow ochre, 結黃
Vertical clamp, 縱止動	Y-level, Y 形水準儀
Virtual image, 虛像	
Volume, 體積	Z
W	
Water level, 水準器	Zero circle, 基面
Water-proof ink, 耐水墨	



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