

度	sin	cos	tan
0.0	0.0000	1.0000	0.0000
0.5	0.0087	1.0000	0.0087
1.0	0.0175	0.9998	0.0175
1.5	0.0262	0.9997	0.0262
2.0	0.0349	0.9994	0.0349
2.5	0.0436	0.9990	0.0437
3.0	0.0523	0.9986	0.0524
3.5	0.0610	0.9981	0.0612
4.0	0.0698	0.9976	0.0699
4.5	0.0785	0.9969	0.0787
5.0	0.0872	0.9962	0.0875
5.5	0.0958	0.9954	0.0963
6.0	0.1045	0.9945	0.1051
6.5	0.1132	0.9936	0.1139
7.0	0.1219	0.9925	0.1228
7.5	0.1305	0.9914	0.1317
8.0	0.1392	0.9903	0.1405
8.5	0.1478	0.9890	0.1495
9.0	0.1564	0.9877	0.1584
9.5	0.1650	0.9863	0.1673
10.0	0.1736	0.9848	0.1763
10.5	0.1822	0.9833	0.1853
11.0	0.1908	0.9816	0.1944
11.5	0.1994	0.9799	0.2035
12.0	0.2079	0.9781	0.2126
12.5	0.2164	0.9763	0.2217
13.0	0.2250	0.9744	0.2309
13.5	0.2334	0.9724	0.2401
14.0	0.2419	0.9703	0.2493
14.5	0.2504	0.9681	0.2586
15.0	0.2588	0.9659	0.2679
15.5	0.2672	0.9636	0.2773
16.0	0.2756	0.9613	0.2867
16.5	0.2840	0.9588	0.2962
17.0	0.2924	0.9563	0.3057
17.5	0.3007	0.9537	0.3153
18.0	0.3090	0.9511	0.3249
18.5	0.3173	0.9483	0.3346
19.0	0.3256	0.9455	0.3443
19.5	0.3338	0.9426	0.3541
20.0	0.3420	0.9397	0.3640
20.5	0.3502	0.9367	0.3739
21.0	0.3584	0.9336	0.3839
21.5	0.3665	0.9304	0.3939
22.0	0.3746	0.9272	0.4040
22.5	0.3827	0.9239	0.4142
23.0	0.3907	0.9205	0.4245
23.5	0.3987	0.9171	0.4348
24.0	0.4067	0.9135	0.4452
24.5	0.4147	0.9100	0.4557
25.0	0.4226	0.9063	0.4663
25.5	0.4305	0.9026	0.4770
26.0	0.4384	0.8988	0.4877
26.5	0.4462	0.8949	0.4986
27.0	0.4540	0.8910	0.5095
27.5	0.4617	0.8870	0.5206
28.0	0.4695	0.8829	0.5317
28.5	0.4772	0.8788	0.5430
29.0	0.4848	0.8746	0.5543
29.5	0.4924	0.8704	0.5658
30.0	0.5000	0.8660	0.5774

度	sin	cos	tan
30.0	0.5000	0.8660	0.5774
30.5	0.5075	0.8616	0.5890
31.0	0.5150	0.8572	0.6009
31.5	0.5225	0.8526	0.6128
32.0	0.5299	0.8480	0.6249
32.5	0.5373	0.8434	0.6371
33.0	0.5446	0.8387	0.6494
33.5	0.5519	0.8339	0.6619
34.0	0.5592	0.8290	0.6745
34.5	0.5664	0.8241	0.6873
35.0	0.5736	0.8192	0.7002
35.5	0.5807	0.8141	0.7133
36.0	0.5878	0.8090	0.7265
36.5	0.5948	0.8039	0.7400
37.0	0.6018	0.7986	0.7536
37.5	0.6088	0.7934	0.7673
38.0	0.6157	0.7880	0.7813
38.5	0.6225	0.7826	0.7954
39.0	0.6293	0.7771	0.8098
39.5	0.6361	0.7716	0.8243
40.0	0.6428	0.7660	0.8391
40.5	0.6494	0.7604	0.8541
41.0	0.6561	0.7547	0.8693
41.5	0.6626	0.7490	0.8847
42.0	0.6691	0.7431	0.9004
42.5	0.6756	0.7373	0.9163
43.0	0.6820	0.7314	0.9325
43.5	0.6884	0.7254	0.9490
44.0	0.6947	0.7193	0.9657
44.5	0.7009	0.7133	0.9827
45.0	0.7071	0.7071	1.0000
45.5	0.7133	0.7009	1.0176
46.0	0.7193	0.6947	1.0355
46.5	0.7254	0.6884	1.0538
47.0	0.7314	0.6820	1.0724
47.5	0.7373	0.6756	1.0913
48.0	0.7431	0.6691	1.1106
48.5	0.7490	0.6626	1.1303
49.0	0.7547	0.6561	1.1504
49.5	0.7604	0.6494	1.1708
50.0	0.7660	0.6428	1.1918
50.5	0.7716	0.6361	1.2131
51.0	0.7771	0.6293	1.2349
51.5	0.7826	0.6225	1.2572
52.0	0.7880	0.6157	1.2799
52.5	0.7934	0.6088	1.3032
53.0	0.7986	0.6018	1.3270
53.5	0.8039	0.5948	1.3514
54.0	0.8090	0.5878	1.3764
54.5	0.8141	0.5807	1.4019
55.0	0.8192	0.5736	1.4281
55.5	0.8241	0.5664	1.4550
56.0	0.8290	0.5592	1.4826
56.5	0.8339	0.5519	1.5108
57.0	0.8387	0.5446	1.5399
57.5	0.8434	0.5373	1.5697
58.0	0.8480	0.5299	1.6003
58.5	0.8526	0.5225	1.6319
59.0	0.8572	0.5150	1.6643
59.5	0.8616	0.5075	1.6977
60.0	0.8660	0.5000	1.7321

度	sin	cos	tan
60.0	0.8660	0.5000	1.7321
60.5	0.8704	0.4924	1.7675
61.0	0.8746	0.4848	1.8040
61.5	0.8788	0.4772	1.8418
62.0	0.8829	0.4695	1.8807
62.5	0.8870	0.4617	1.9210
63.0	0.8910	0.4540	1.9626
63.5	0.8949	0.4462	2.0057
64.0	0.8988	0.4384	2.0503
64.5	0.9026	0.4305	2.0965
65.0	0.9063	0.4226	2.1445
65.5	0.9100	0.4147	2.1943
66.0	0.9135	0.4067	2.2460
66.5	0.9171	0.3987	2.2998
67.0	0.9205	0.3907	2.3559
67.5	0.9239	0.3827	2.4142
68.0	0.9272	0.3746	2.4751
68.5	0.9304	0.3665	2.5386
69.0	0.9336	0.3584	2.6051
69.5	0.9367	0.3502	2.6746
70.0	0.9397	0.3420	2.7475
70.5	0.9426	0.3338	2.8239
71.0	0.9455	0.3256	2.9042
71.5	0.9483	0.3173	2.9887
72.0	0.9511	0.3090	3.0777
72.5	0.9537	0.3007	3.1716
73.0	0.9563	0.2924	3.2709
73.5	0.9588	0.2840	3.3759
74.0	0.9613	0.2756	3.4874
74.5	0.9636	0.2672	3.6059
75.0	0.9659	0.2588	3.7321
75.5	0.9681	0.2504	3.8667
76.0	0.9703	0.2419	4.0108
76.5	0.9724	0.2334	4.1653
77.0	0.9744	0.2250	4.3315
77.5	0.9763	0.2164	4.5107
78.0	0.9781	0.2079	4.7046
78.5	0.9799	0.1994	4.9152
79.0	0.9816	0.1908	5.1446
79.5	0.9833	0.1822	5.3955
80.0	0.9848	0.1736	5.6713
80.5	0.9863	0.1650	5.9758
81.0	0.9877	0.1564	6.3138
81.5	0.9890	0.1478	6.6912
82.0	0.9903	0.1392	7.1154
82.5	0.9914	0.1305	7.5958
83.0	0.9925	0.1219	8.1443
83.5	0.9936	0.1132	8.7769
84.0	0.9945	0.1045	9.5144
84.5	0.9954	0.0958	10.3854
85.0	0.9962	0.0872	11.4301
85.5	0.9969	0.0785	12.7062
86.0	0.9976	0.0698	14.3007
86.5	0.9981	0.0610	16.3499
87.0	0.9986	0.0523	19.0811
87.5	0.9990	0.0436	22.9038
88.0	0.9994	0.0349	28.6363
88.5	0.9997	0.0262	38.1885
89.0	0.9998	0.0175	57.2900
89.5	1.0000	0.0087	114.5887
90.0	1.0000	0.0000	-----