

Trig Functions for Decimal Fractions of a Degree

Degrees			Degrees	
start:		0.5	increment:	0.5
Degrees		Sin	Cos	Tan
0.50		0.008727	0.999962	0.008727
1.00		0.017452	0.999848	0.017455
1.50		0.026177	0.999657	0.026186
2.00		0.034899	0.999391	0.034921
2.50		0.043619	0.999048	0.043661
3.00		0.052336	0.998630	0.052408
3.50		0.061049	0.998135	0.061163
4.00		0.069756	0.997564	0.069927
4.50		0.078459	0.996917	0.078702
5.00		0.087156	0.996195	0.087489
5.50		0.095846	0.995396	0.096289
6.00		0.104528	0.994522	0.105104
6.50		0.113203	0.993572	0.113936
7.00		0.121869	0.992546	0.122785
7.50		0.130526	0.991445	0.131652
8.00		0.139173	0.990268	0.140541
8.50		0.147809	0.989016	0.149451
9.00		0.156434	0.987688	0.158384
9.50		0.165048	0.986286	0.167343
10.00		0.173648	0.984808	0.176327
10.50		0.182236	0.983255	0.185339
11.00		0.190809	0.981627	0.194380
11.50		0.199368	0.979925	0.203452
12.00		0.207912	0.978148	0.212557
12.50		0.216440	0.976296	0.221695
13.00		0.224951	0.974370	0.230868
13.50		0.233445	0.972370	0.240079
14.00		0.241922	0.970296	0.249328
14.50		0.250380	0.968148	0.258618
15.00		0.258819	0.965926	0.267949
15.50		0.267238	0.963630	0.277325
16.00		0.275637	0.961262	0.286745
16.50		0.284015	0.958820	0.296213
17.00		0.292372	0.956305	0.305731
17.50		0.300706	0.953717	0.315299
18.00		0.309017	0.951057	0.324920
18.50		0.317305	0.948324	0.334595
19.00		0.325568	0.945519	0.344328
19.50		0.333807	0.942641	0.354119
20.00		0.342020	0.939693	0.363970
20.50		0.350207	0.936672	0.373885
21.00		0.358368	0.933580	0.383864

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21.50		0.366501	0.930418	0.393910
22.00		0.374607	0.927184	0.404026
22.50		0.382683	0.923880	0.414214
23.00		0.390731	0.920505	0.424475
23.50		0.398749	0.917060	0.434812
24.00		0.406737	0.913545	0.445229
24.50		0.414693	0.909961	0.455726
25.00		0.422618	0.906308	0.466308
25.50		0.430511	0.902585	0.476976
26.00		0.438371	0.898794	0.487733
26.50		0.446198	0.894934	0.498582
27.00		0.453990	0.891007	0.509525
27.50		0.461749	0.887011	0.520567
28.00		0.469472	0.882948	0.531709
28.50		0.477159	0.878817	0.542956
29.00		0.484810	0.874620	0.554309
29.50		0.492424	0.870356	0.565773
30.00		0.500000	0.866025	0.577350
30.50		0.507538	0.861629	0.589045
31.00		0.515038	0.857167	0.600861
31.50		0.522499	0.852640	0.612801
32.00		0.529919	0.848048	0.624869
32.50		0.537300	0.843391	0.637070
33.00		0.544639	0.838671	0.649408
33.50		0.551937	0.833886	0.661886
34.00		0.559193	0.829038	0.674509
34.50		0.566406	0.824126	0.687281
35.00		0.573576	0.819152	0.700208
35.50		0.580703	0.814116	0.713293
36.00		0.587785	0.809017	0.726543
36.50		0.594823	0.803857	0.739961
37.00		0.601815	0.798636	0.753554
37.50		0.608761	0.793353	0.767327
38.00		0.615661	0.788011	0.781286
38.50		0.622515	0.782608	0.795436
39.00		0.629320	0.777146	0.809784
39.50		0.636078	0.771625	0.824336
40.00		0.642788	0.766044	0.839100
40.50		0.649448	0.760406	0.854081
41.00		0.656059	0.754710	0.869287
41.50		0.662620	0.748956	0.884725
42.00		0.669131	0.743145	0.900404
42.50		0.675590	0.737277	0.916331
43.00		0.681998	0.731354	0.932515
43.50		0.688355	0.725374	0.948965
44.00		0.694658	0.719340	0.965689
44.50		0.700909	0.713250	0.982697

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Degrees		Sin	Cos	Tan
45.00		0.707107	0.707107	1.000000
45.50		0.713250	0.700909	1.017607
46.00		0.719340	0.694658	1.035530
46.50		0.725374	0.688355	1.053780
47.00		0.731354	0.681998	1.072369
47.50		0.737277	0.675590	1.091309
48.00		0.743145	0.669131	1.110613
48.50		0.748956	0.662620	1.130294
49.00		0.754710	0.656059	1.150368
49.50		0.760406	0.649448	1.170850
50.00		0.766044	0.642788	1.191754
50.50		0.771625	0.636078	1.213097
51.00		0.777146	0.629320	1.234897
51.50		0.782608	0.622515	1.257172
52.00		0.788011	0.615661	1.279942
52.50		0.793353	0.608761	1.303225
53.00		0.798636	0.601815	1.327045
53.50		0.803857	0.594823	1.351422
54.00		0.809017	0.587785	1.376382
54.50		0.814116	0.580703	1.401948
55.00		0.819152	0.573576	1.428148
55.50		0.824126	0.566406	1.455009
56.00		0.829038	0.559193	1.482561
56.50		0.833886	0.551937	1.510835
57.00		0.838671	0.544639	1.539865
57.50		0.843391	0.537300	1.569686
58.00		0.848048	0.529919	1.600335
58.50		0.852640	0.522499	1.631852
59.00		0.857167	0.515038	1.664279
59.50		0.861629	0.507538	1.697663
60.00		0.866025	0.500000	1.732051
60.50		0.870356	0.492424	1.767494
61.00		0.874620	0.484810	1.804048
61.50		0.878817	0.477159	1.841771
62.00		0.882948	0.469472	1.880726
62.50		0.887011	0.461749	1.920982
63.00		0.891007	0.453990	1.962611
63.50		0.894934	0.446198	2.005690
64.00		0.898794	0.438371	2.050304
64.50		0.902585	0.430511	2.096544
65.00		0.906308	0.422618	2.144507
65.50		0.909961	0.414693	2.194300
66.00		0.913545	0.406737	2.246037
66.50		0.917060	0.398749	2.299843
67.00		0.920505	0.390731	2.355852
67.50		0.923880	0.382683	2.414214
68.00		0.927184	0.374607	2.475087

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Degrees		Sin	Cos	Tan
68.50		0.930418	0.366501	2.538648
69.00		0.933580	0.358368	2.605089
69.50		0.936672	0.350207	2.674621
70.00		0.939693	0.342020	2.747477
70.50		0.942641	0.333807	2.823913
71.00		0.945519	0.325568	2.904211
71.50		0.948324	0.317305	2.988685
72.00		0.951057	0.309017	3.077684
72.50		0.953717	0.300706	3.171595
73.00		0.956305	0.292372	3.270853
73.50		0.958820	0.284015	3.375943
74.00		0.961262	0.275637	3.487414
74.50		0.963630	0.267238	3.605884
75.00		0.965926	0.258819	3.732051
75.50		0.968148	0.250380	3.866713
76.00		0.970296	0.241922	4.010781
76.50		0.972370	0.233445	4.165300
77.00		0.974370	0.224951	4.331476
77.50		0.976296	0.216440	4.510709
78.00		0.978148	0.207912	4.704630
78.50		0.979925	0.199368	4.915157
79.00		0.981627	0.190809	5.144554
79.50		0.983255	0.182236	5.395517
80.00		0.984808	0.173648	5.671282
80.50		0.986286	0.165048	5.975764
81.00		0.987688	0.156434	6.313752
81.50		0.989016	0.147809	6.691156
82.00		0.990268	0.139173	7.115370
82.50		0.991445	0.130526	7.595754
83.00		0.992546	0.121869	8.144346
83.50		0.993572	0.113203	8.776887
84.00		0.994522	0.104528	9.514364
84.50		0.995396	0.095846	10.385397
85.00		0.996195	0.087156	11.430052
85.50		0.996917	0.078459	12.706205
86.00		0.997564	0.069756	14.300666
86.50		0.998135	0.061049	16.349855
87.00		0.998630	0.052336	19.081137
87.50		0.999048	0.043619	22.903766
88.00		0.999391	0.034899	28.636253
88.50		0.999657	0.026177	38.188459
89.00		0.999848	0.017452	57.289962
89.50		0.999962	0.008727	114.588650
90.00		1.000000	0.000000	#####