

Angle Conversion Tables

TN-1520 | 190621

ANGLE CONVERSION TABLES

Degrees	Radians	Milli-Radians	Micro-Radians	Arc- Minutes	Arc- Seconds	% of rev
1	0.0174556	17.4555712	17,455.57	60	3,600	0.2777778
57.2883514	1	1,000	1,000,000	3,437.3	206,238.1	15.9134309
0.0572884	0.0010000	1	1,000	3.4373011	206.24	0.0159134
0.0000573	0.0000010	0.0010000	1	0.0034373	0.2062381	0.0000159
0.0166666	0.0002909	0.2908656	290.8656195	1	60	0.0046296
0.0002778	0.0000048	0.0048478	4.8477797	0.0166667	1	0.0000772
3.6	0.0628571	62.8571	62,857.143	216	12,960	1
360	6.2857143	6,286	6,285,714	21,600	1,296,000	100

Binary Digits	Counts per rev.	Degrees per Bit	Radians per Bit	Mili-Radians per Bit	Micro-Radians per Bit	Arc- Minutes Per Bit	Arc-Seconds Per Bit
10	1,024	0.3515625	0.0061355	6.135471	6135.4712	21.094	1265.625
11	2,048	0.1757813	0.0030677	3.067736	3067.7356	10.547	632.813
12	4,096	0.0878906	0.0015339	1.533868	1533.8678	5.273	316.406
13	8,192	0.0439453	0.0007669	0.766934	766.9339	2.637	158.203
14	16,384	0.0219727	0.0003835	0.383467	383.4670	1.318	79.102
15	32,768	0.0109863	0.0001917	0.191733	191.7335	0.659	39.551
16	65,536	0.0054932	0.0000959	0.095867	95.8667	0.330	19.775
17	131,072	0.0027466	0.0000479	0.047933	47.9334	0.165	9.888
18	262,144	0.0013733	0.0000240	0.023967	23.9667	0.082	4.944
19	524,288	0.0006866	0.0000120	0.011983	11.9833	0.041	2.472
20	1,048,576	0.0003433	0.0000060	0.005992	5.9917	0.021	1.236
21	2,097,152	0.0001717	0.0000030	0.002996	2.9958	0.010	0.618
22	4,194,304	0.0000858	0.0000015	0.001498	1.4979	0.005	0.309
23	8,388,608	0.0000429	0.0000007	0.000749	0.7490	0.003	0.154
24	16,777,216	0.0000215	0.0000004	0.000374	0.3745	0.001	0.077