

	x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\sinh(x)$	$\cosh(x)$
0°	0.000000000000	0.000000000000	1.000000000000	0.000000000000	0.000000000000	1.000000000000
1°	0.017453292520	0.017452406437	0.999847695156	0.017455064928	0.017454178630	1.000152312576
2°	0.034906585040	0.034899496703	0.999390827019	0.034920769492	0.034913674241	1.000609296703
3°	0.052359877560	0.052335956243	0.998629534755	0.052407779283	0.052383805436	1.001371091590
4°	0.069813170080	0.069756473744	0.997564050260	0.069926811944	0.069869894055	1.002437929298
5°	0.087266462600	0.087155742748	0.996194698092	0.087488663526	0.087377266802	1.003810134813
6°	0.104719755120	0.104528463268	0.994521895368	0.105104235266	0.104911256862	1.005488126144
7°	0.122173047640	0.121869343405	0.992546151641	0.122784560903	0.122477205529	1.007472414448
8°	0.139626340160	0.139173100960	0.990268068742	0.140540834702	0.140080463834	1.009763604191
9°	0.157079632679	0.156434465040	0.987688340595	0.158384440325	0.157726394172	1.012362393325
10°	0.174532925199	0.173648177667	0.984807753012	0.176326980708	0.175420371936	1.015269573508
11°	0.191986217719	0.190808995377	0.981627183448	0.194380309138	0.193167787158	1.018486030339
12°	0.209439510239	0.207911690818	0.978147600734	0.212556561670	0.210974046147	1.022012743633
13°	0.226892802759	0.224951054344	0.974370064785	0.230868191126	0.228844573136	1.025850787714
14°	0.244346095279	0.241921895600	0.970295726276	0.249328002843	0.246784811939	1.030001331748
15°	0.261799387799	0.258819045103	0.965925826289	0.267949192431	0.264800227602	1.034465640096
16°	0.279252680319	0.275637355817	0.961261695938	0.286745385759	0.282896308076	1.039245072696
17°	0.296705972839	0.292371704723	0.956304755963	0.305730681459	0.301078565880	1.044341085485
18°	0.314159265359	0.309016994375	0.951056516295	0.324919696233	0.319352539788	1.049755230837
19°	0.331612557879	0.325568154457	0.945518575599	0.344327613290	0.337723796513	1.055489158036
20°	0.349065850399	0.342020143326	0.939692620786	0.363970234266	0.356197932400	1.061544613780
21°	0.366519142919	0.358367949545	0.933580426497	0.383864035035	0.374780575137	1.067923442715
22°	0.383972435439	0.374606593416	0.927183854567	0.404026225835	0.393477385464	1.074627587991
23°	0.401425727959	0.390731128489	0.920504853452	0.424474816210	0.412294058899	1.081659091860
24°	0.418879020479	0.406736643076	0.913545457643	0.445228685309	0.431236327475	1.089020096295
25°	0.436332312999	0.422618261741	0.906307787037	0.466307658155	0.450309961483	1.096712843643
26°	0.453785605519	0.438371146789	0.898794046299	0.487732588566	0.469520771232	1.104739677308
27°	0.471238898038	0.453990499740	0.891006524188	0.509525449494	0.488874608817	1.113103042465
28°	0.488692190558	0.469471562786	0.882947592859	0.531709431661	0.508377369904	1.121805486807
29°	0.506145483078	0.484809620246	0.874619707139	0.554309051453	0.528034995526	1.130849661317
30°	0.523598775598	0.500000000000	0.866025403784	0.577350269190	0.547853473888	1.140238321076
31°	0.541052068118	0.515038074910	0.857167300702	0.600860619028	0.567838842198	1.149974326109
32°	0.558505360638	0.529919264233	0.848048096156	0.624869351909	0.587997188503	1.160060642246
33°	0.575958653158	0.544639035015	0.838670567945	0.649407593198	0.608334653540	1.170500342032
34°	0.593411945678	0.559192903471	0.829037572555	0.674508516842	0.628857432614	1.181296605664
35°	0.610865238198	0.573576436351	0.819152044289	0.700207538210	0.649571777480	1.192452721955
36°	0.628318530718	0.587785252292	0.809016994375	0.726542528005	0.670483998247	1.203972089338
37°	0.645771823238	0.601815023152	0.798635510047	0.753554050103	0.691600465305	1.215858216903
38°	0.663225115758	0.615661475326	0.788010753607	0.781285626507	0.712927611259	1.228114725462
39°	0.680678408278	0.629320391050	0.777145961457	0.809784033195	0.734471932896	1.240745348656
40°	0.698131700798	0.642787609687	0.766044443119	0.839099631177	0.756239993158	1.253753934092
41°	0.715584993318	0.656059028991	0.754709580223	0.869286737816	0.778238423143	1.267144444511
42°	0.733038285838	0.669130606359	0.743144825477	0.900404044298	0.800473924126	1.280920959000
43°	0.750491578358	0.681998360062	0.731353701619	0.932515086138	0.822953269600	1.295087674231
44°	0.767944870878	0.694658370459	0.719339800339	0.965688774807	0.845683307340	1.309648905743
45°	0.785398163397	0.707106781187	0.707106781187	1.000000000000	0.868670961486	1.324609089252

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\documentclass[a4paper]{article}
\usepackage[top=8mm, bottom=5mm, left=1cm, right=1cm]{geometry}
\usepackage{fontspec} \fontspec{Latin Modern Roman}
\usepackage{luacode}
\begin{luacode*}
function mytable ()
for deg = 0, 45 do
x = math.rad(deg)
tex.print(string.format('%2d° & %1.12f & %1.12f & %1.12f & %1.12f & %1.12f & %1.12f \\\',
deg, x, math.sin(x), math.cos(x), math.tan(x), math.sinh(x), math.cosh(x)))
end
end
\end{luacode*}
\newcommand{\mytable}{\luairect{mytable()}}

\begin{document}
\begin{tabular}{rcccccc}\hline
& $x$ & $\sin(x)$ & $\cos(x)$ & $\tan(x)$ & $\sinh(x)$ & $\cosh(x)$ \\\hline
\mytable\hline
\end{tabular}
\end{document}

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