

TAVOLA DEI VALORI DELLE FUNZIONI GONIOMETRICHE

α Gradi °	α Rad	<i>sen</i> α	<i>cos</i> α	<i>tga</i>	<i>ctga</i>
0°	0	0	1	0	∞
15°	$\pi/12$	$\frac{\sqrt{6} - \sqrt{2}}{4}$	$\frac{\sqrt{6} + \sqrt{2}}{4}$	$2 - \sqrt{3}$	$2 + \sqrt{3}$
18°	$\pi/10$	$\frac{\sqrt{5} - 1}{4}$	$\frac{\sqrt{10 + 2\sqrt{5}}}{4}$	$\frac{\sqrt{25 - 10\sqrt{5}}}{5}$	$\sqrt{5 + 2\sqrt{5}}$
22°30'	$\pi/8$	$\frac{\sqrt{2} - \sqrt{2}}{4}$	$\frac{\sqrt{2} + \sqrt{2}}{4}$	$\sqrt{2} - 1$	$\sqrt{2} + 1$
30°	$\pi/6$	$1/2$	$\sqrt{3}/2$	$\sqrt{3}/3$	$\sqrt{3}$
36°	$\pi/5$	$\frac{\sqrt{10 - 2\sqrt{5}}}{4}$	$\frac{\sqrt{5} + 1}{4}$	$\sqrt{5 - 2\sqrt{5}}$	$\frac{\sqrt{25 + 10\sqrt{5}}}{5}$
45°	$\pi/4$	$\sqrt{2}/2$	$\sqrt{2}/2$	1	1
54°	$3/10\pi$	$\frac{\sqrt{5} + 1}{4}$	$\frac{\sqrt{10 - 2\sqrt{5}}}{4}$	$\frac{\sqrt{25 + 10\sqrt{5}}}{5}$	$\sqrt{5 - 2\sqrt{5}}$
60°	$\pi/3$	$\sqrt{3}/2$	$1/2$	$\sqrt{3}$	$\sqrt{3}/3$
67°30'	$3/8\pi$	$\frac{\sqrt{2} + \sqrt{2}}{4}$	$\frac{\sqrt{2} - \sqrt{2}}{4}$	$\sqrt{2} + 1$	$\sqrt{2} - 1$
72°	$2/5\pi$	$\frac{\sqrt{10 + 2\sqrt{5}}}{4}$	$\frac{\sqrt{5} - 1}{4}$	$\sqrt{5 + 2\sqrt{5}}$	$\frac{\sqrt{25 - 10\sqrt{5}}}{5}$
75°	$5/12\pi$	$\frac{\sqrt{6} + \sqrt{2}}{4}$	$\frac{\sqrt{6} - \sqrt{2}}{4}$	$2 + \sqrt{3}$	$2 - \sqrt{3}$
90°	$\pi/2$	1	0	∞	0
120°	$2/3\pi$	$\sqrt{3}/2$	$-1/2$	$-\sqrt{3}$	$-\sqrt{3}/3$
135°	$3/4\pi$	$\sqrt{2}/2$	$-\sqrt{2}/2$	-1	-1
150°	$5/6\pi$	$1/2$	$-\sqrt{3}/2$	$-\sqrt{3}/3$	$-\sqrt{3}$
180°	π	0	-1	0	∞
210°	$7/6\pi$	$-1/2$	$-\sqrt{3}/2$	$\sqrt{3}/3$	$\sqrt{3}$
225°	$5/4\pi$	$-\sqrt{2}/2$	$-\sqrt{2}/2$	1	1
240°	$4/3\pi$	$-\sqrt{3}/2$	$-1/2$	$\sqrt{3}$	$\sqrt{3}/3$
270°	$3/2\pi$	-1	0	∞	0
300°	$5/3\pi$	$-\sqrt{3}/2$	$1/2$	$-\sqrt{3}$	$-\sqrt{3}/3$
315°	$7/4\pi$	$-\sqrt{2}/2$	$\sqrt{2}/2$	-1	-1
330°	$11/6\pi$	$-1/2$	$\sqrt{3}/2$	$-\sqrt{3}/3$	$-\sqrt{3}$
360°	2π	0	1	0	∞

