

TABELLA DEI VALORI DELLE FUNZIONI GONIOMETRICHE

gradi	radiani	seno	coseno	tangente	cotangente	gradi	radiani	seno	coseno	tangente	cotangente
0°	0	0	1	0	$[\pm \infty]$	90°	$\frac{\pi}{2}$	1	0	$[\pm \infty]$	0
15°	$\frac{\pi}{12}$	$\frac{\sqrt{6}-\sqrt{2}}{4}$	$\frac{\sqrt{6}+\sqrt{2}}{4}$	$2-\sqrt{3}$	$2+\sqrt{3}$	105°	$\frac{7}{12}\pi$	$\frac{\sqrt{6}+\sqrt{2}}{4}$	$\frac{\sqrt{2}-\sqrt{6}}{4}$	$-2-\sqrt{3}$	$\sqrt{3}-2$
18°	$\frac{\pi}{10}$	$\frac{\sqrt{5}-1}{4}$	$\frac{\sqrt{10+2\sqrt{5}}}{4}$	$\frac{\sqrt{25-10\sqrt{5}}}{5}$	$\sqrt{5+2\sqrt{5}}$	108°	$\frac{3}{5}\pi$	$\frac{\sqrt{10+2\sqrt{5}}}{4}$	$\frac{1-\sqrt{5}}{4}$	$-\sqrt{5+2\sqrt{5}}$	$-\frac{\sqrt{25-10\sqrt{5}}}{5}$
22°30'	$\frac{\pi}{8}$	$\frac{\sqrt{2}-\sqrt{2}}{2}$	$\frac{\sqrt{2}+\sqrt{2}}{2}$	$\sqrt{2}-1$	$\sqrt{2}+1$	112°30'	$\frac{5}{8}\pi$	$\frac{\sqrt{2}+\sqrt{2}}{2}$	$-\frac{\sqrt{2}-\sqrt{2}}{2}$	$-1-\sqrt{2}$	$1-\sqrt{2}$
30°	$\frac{\pi}{6}$	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$	$\sqrt{3}$	120°	$\frac{2}{3}\pi$	$\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$-\sqrt{3}$	$-\frac{\sqrt{3}}{3}$
36°	$\frac{\pi}{5}$	$\frac{\sqrt{10-2\sqrt{5}}}{4}$	$\frac{\sqrt{5}+1}{4}$	$\sqrt{5-2\sqrt{5}}$	$\frac{\sqrt{25+10\sqrt{5}}}{5}$	126°	$\frac{7}{10}\pi$	$\frac{\sqrt{5}+1}{4}$	$-\frac{\sqrt{10-2\sqrt{5}}}{4}$	$-\frac{\sqrt{25+10\sqrt{5}}}{5}$	$-\sqrt{5-2\sqrt{5}}$
45°	$\frac{\pi}{4}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	1	1	135°	$\frac{3}{4}\pi$	$\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$	-1	-1
54°	$\frac{3}{10}\pi$	$\frac{\sqrt{5}+1}{4}$	$\frac{\sqrt{10-2\sqrt{5}}}{4}$	$\frac{\sqrt{25+10\sqrt{5}}}{5}$	$\sqrt{5-2\sqrt{5}}$	144°	$\frac{4}{5}\pi$	$\frac{\sqrt{10-2\sqrt{5}}}{4}$	$-\frac{\sqrt{5}+1}{4}$	$-\sqrt{5-2\sqrt{5}}$	$-\frac{\sqrt{25+10\sqrt{5}}}{5}$
60°	$\frac{\pi}{3}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$	$\frac{\sqrt{3}}{3}$	150°	$\frac{5}{6}\pi$	$\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$-\frac{\sqrt{3}}{3}$	$-\sqrt{3}$
67°30'	$\frac{3}{8}\pi$	$\frac{\sqrt{2}+\sqrt{2}}{2}$	$\frac{\sqrt{2}-\sqrt{2}}{2}$	$\sqrt{2}+1$	$\sqrt{2}-1$	157°30'	$\frac{7}{8}\pi$	$\frac{\sqrt{2}-\sqrt{2}}{2}$	$-\frac{\sqrt{2}+\sqrt{2}}{2}$	$1-\sqrt{2}$	$-1-\sqrt{2}$
72°	$\frac{2}{5}\pi$	$\frac{\sqrt{10+2\sqrt{5}}}{4}$	$\frac{\sqrt{5}-1}{4}$	$\sqrt{5+2\sqrt{5}}$	$\frac{\sqrt{25-10\sqrt{5}}}{5}$	162°	$\frac{9}{10}\pi$	$\frac{\sqrt{5}-1}{4}$	$-\frac{\sqrt{10+2\sqrt{5}}}{4}$	$-\frac{\sqrt{25-10\sqrt{5}}}{5}$	$-\sqrt{5+2\sqrt{5}}$
75°	$\frac{5}{12}\pi$	$\frac{\sqrt{6}+\sqrt{2}}{4}$	$\frac{\sqrt{6}-\sqrt{2}}{4}$	$2+\sqrt{3}$	$2-\sqrt{3}$	165°	$\frac{11}{12}\pi$	$\frac{\sqrt{6}-\sqrt{2}}{4}$	$-\frac{\sqrt{6}+\sqrt{2}}{4}$	$\sqrt{3}-2$	$-2-\sqrt{3}$
90°	$\frac{\pi}{2}$	1	0	$[\pm \infty]$	0	180°	π	0	-1	0	$[\pm \infty]$

180°	π	0	-1	0	$[\pm \infty]$	270°	$\frac{3}{2}\pi$	-1	0	$[\pm \infty]$	0
195°	$\frac{13}{12}\pi$	$\frac{\sqrt{2}-\sqrt{6}}{4}$	$-\frac{\sqrt{6}+\sqrt{2}}{4}$	$2-\sqrt{3}$	$2+\sqrt{3}$	285°	$\frac{19}{12}\pi$	$-\frac{\sqrt{6}+\sqrt{2}}{4}$	$\frac{\sqrt{6}-\sqrt{2}}{4}$	$-2-\sqrt{3}$	$\sqrt{3}-2$
198°	$\frac{11}{10}\pi$	$\frac{1-\sqrt{5}}{4}$	$-\frac{\sqrt{10+2\sqrt{5}}}{4}$	$\frac{\sqrt{25-10\sqrt{5}}}{5}$	$\sqrt{5+2\sqrt{5}}$	288°	$\frac{8}{5}\pi$	$-\frac{\sqrt{10+2\sqrt{5}}}{4}$	$\frac{\sqrt{5}-1}{4}$	$-\sqrt{5+2\sqrt{5}}$	$-\frac{\sqrt{25-10\sqrt{5}}}{5}$
202°30'	$\frac{9}{8}\pi$	$-\frac{\sqrt{2}-\sqrt{2}}{2}$	$-\frac{\sqrt{2}+\sqrt{2}}{2}$	$\sqrt{2}-1$	$\sqrt{2}+1$	292°30'	$\frac{13}{8}\pi$	$-\frac{\sqrt{2}+\sqrt{2}}{2}$	$\frac{\sqrt{2}-\sqrt{2}}{2}$	$-1-\sqrt{2}$	$1-\sqrt{2}$
210°	$\frac{7}{6}\pi$	$-\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$	$\sqrt{3}$	300°	$\frac{5}{3}\pi$	$-\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$-\sqrt{3}$	$-\frac{\sqrt{3}}{3}$
216°	$\frac{6}{5}\pi$	$-\frac{\sqrt{10-2\sqrt{5}}}{4}$	$-\frac{\sqrt{5}+1}{4}$	$\sqrt{5-2\sqrt{5}}$	$\frac{\sqrt{25+10\sqrt{5}}}{5}$	306°	$\frac{17}{10}\pi$	$-\frac{\sqrt{5}+1}{4}$	$\frac{\sqrt{10-2\sqrt{5}}}{4}$	$-\frac{\sqrt{25+10\sqrt{5}}}{5}$	$-\sqrt{5-2\sqrt{5}}$
225°	$\frac{5}{4}\pi$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$	1	1	315°	$\frac{7}{4}\pi$	$-\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	-1	-1
234°	$\frac{13}{10}\pi$	$-\frac{\sqrt{5}+1}{4}$	$-\frac{\sqrt{10-2\sqrt{5}}}{4}$	$\frac{\sqrt{25+10\sqrt{5}}}{5}$	$\sqrt{5-2\sqrt{5}}$	324°	$\frac{9}{5}\pi$	$-\frac{\sqrt{10-2\sqrt{5}}}{4}$	$\frac{\sqrt{5}+1}{4}$	$-\sqrt{5-2\sqrt{5}}$	$-\frac{\sqrt{25+10\sqrt{5}}}{5}$
240°	$\frac{4}{3}\pi$	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$\sqrt{3}$	$\frac{\sqrt{3}}{3}$	330°	$\frac{11}{6}\pi$	$-\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$-\frac{\sqrt{3}}{3}$	$-\sqrt{3}$
247°30'	$\frac{11}{8}\pi$	$-\frac{\sqrt{2}+\sqrt{2}}{2}$	$-\frac{\sqrt{2}-\sqrt{2}}{2}$	$\sqrt{2}+1$	$\sqrt{2}-1$	337°30'	$\frac{15}{8}\pi$	$-\frac{\sqrt{2}-\sqrt{2}}{2}$	$\frac{\sqrt{2}+\sqrt{2}}{2}$	$1-\sqrt{2}$	$-1-\sqrt{2}$
252°	$\frac{7}{5}\pi$	$-\frac{\sqrt{10+2\sqrt{5}}}{4}$	$\frac{1-\sqrt{5}}{4}$	$\sqrt{5+2\sqrt{5}}$	$\frac{\sqrt{25-10\sqrt{5}}}{5}$	342°	$\frac{19}{10}\pi$	$\frac{1-\sqrt{5}}{4}$	$\frac{\sqrt{10+2\sqrt{5}}}{4}$	$-\frac{\sqrt{25-10\sqrt{5}}}{5}$	$-\sqrt{5+2\sqrt{5}}$
255°	$\frac{17}{12}\pi$	$-\frac{\sqrt{6}+\sqrt{2}}{4}$	$\frac{\sqrt{2}-\sqrt{6}}{4}$	$2+\sqrt{3}$	$2-\sqrt{3}$	345°	$\frac{23}{12}\pi$	$\frac{\sqrt{2}-\sqrt{6}}{4}$	$\frac{\sqrt{6}+\sqrt{2}}{4}$	$\sqrt{3}-2$	$-2-\sqrt{3}$
270°	$\frac{3}{2}\pi$	-1	0	$[\pm \infty]$	0	360°	2π	0	1	0	$[\pm \infty]$