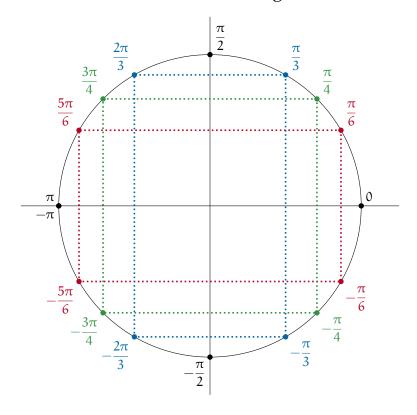
AR1 - 2025/2026 David Kolar

Petit mémo de trigo



θ	$\cos(\theta)$	$\sin(\theta)$
0	$1 = \frac{\sqrt{4}}{2}$	$0 = \frac{\sqrt{0}}{2}$
π	$\sqrt{3}$	$1 \sqrt{1}$
$\frac{\pi}{6}$	2	$\frac{1}{2} = \frac{1}{2}$
$\frac{\pi}{4}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$
$\frac{\pi}{3}$	$\frac{1}{2} = \frac{\sqrt{1}}{2}$	$\frac{\sqrt{3}}{2}$
$\frac{\pi}{2}$	$=\frac{\sqrt{0}}{2}$	$1 = \frac{\sqrt{4}}{2}$

Formules d'Euler

$$\cos(\theta) = \frac{e^{i\theta} + e^{-i\theta}}{2}$$
 $\sin(\theta) = \frac{e^{i\theta} - e^{-i\theta}}{2i}$

Formules de De Moivre

$$\Big(\cos(\theta)+i\sin(\theta)\Big)^n=\cos(n\theta)+i\sin(n\theta)$$