Trigonométrie

$$\cot(x + y)$$

$$\frac{\cot(x)\cot(y) - 1}{\cot(x) + \cot(y)}$$

$$2\sin\left(\frac{x+y}{2}\right)\cos\left(\frac{x-y}{2}\right)$$

$$\sin(x) + \sin(y)$$

$$\sin(x + y)$$

$$\sin(x)\cos(y) + \sin(y)\cos(x)$$

$$\sin\left(\frac{\pi}{2} - x\right)$$

$$\cos(x)$$

$$\frac{-\cot(x)\cot(y) - 1}{\cot(x) - \cot(y)} = \frac{\cot(x)\cot(y) + 1}{\cot(y) - \cot(x)}$$

$$\cot(x - y)$$

$$\frac{\cot^2(x) - 1}{2\cot(x)}$$

$$\cot(2x)$$

$$\cos(x) + \cos(y)$$

$$2 \cos\left(\frac{x + y}{2}\right) \cos\left(\frac{x - y}{2}\right)$$

$$-\sin(x)$$

$$\cos\left(x + \frac{\pi}{2}\right)$$

$$2\cos\left(\frac{x+y}{2}\right)\sin\left(\frac{x-y}{2}\right)$$

$$\sin(x) - \sin(y)$$

$$\tan(x)$$

$$t = \tan\left(\frac{x}{2}\right)$$

$$\frac{2t}{1 - t^2}$$

$$t = \tan\left(\frac{x}{2}\right)$$

$$\sin(x)\sin(y)$$

$$\frac{1}{2}(\cos(x - y) - \cos(x + y))$$

$$\sin^2(x)$$

$$\frac{1 - \cos(2x)}{2}$$

$$\cos(x - y)$$

$$\cos(x)\cos(y) + \sin(x)\sin(y)$$

$$\sin(x)\cos(y) - \sin(y)\cos(x)$$

$$\sin(x - y)$$

$$\cos\left(\frac{\pi}{2} - x\right)$$

$$\sin(x)$$

$$\cot(x)$$

$$t = \tan\left(\frac{x}{2}\right)$$

$$\frac{1 - t^2}{2t}$$

$$t = \tan\left(\frac{x}{2}\right)$$

$$\sin(\pi - x)$$

$$\sin(x)$$

$$\frac{1}{2}(\cos(x + y) + \cos(x - y))$$

$$\cos(x)\cos(y)$$

$$\cos(x) - \cos(y)$$

$$-2\sin\left(\frac{x+y}{2}\right)\sin\left(\frac{x-y}{2}\right)$$

Valeurs remarquables

	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$
sin	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1
cos	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	1
tan	0	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$	$-$
cot	$-$	$\sqrt{3}$	1	$\frac{1}{\sqrt{3}}$	0

$$\frac{\tan(x) + \tan(y)}{1 - \tan(x)\tan(y)}$$

$$\tan(x + y)$$

$$\tan(x - y)$$

$$\frac{\tan(x) - \tan(y)}{1 + \tan(x)\tan(y)}$$

$$\sin(x + \pi)$$

$$-\sin(x)$$

$$\cos(2x)$$

$$\cos^2(x) - \sin^2(x) = 2\cos^2(x) - 1 = 1 - 2\sin^2(x)$$

$$\frac{1}{2}(\sin(x+y) + \sin(x-y))$$

$$\sin(x)\cos(y)$$

$$\frac{2\tan(x)}{1 - \tan^2(x)}$$

$$\tan(2x)$$

$$\cos^2(x)$$

$$\frac{1 + \cos(2x)}{2}$$

$$-\cos(x)$$

$$\cos(x + \pi)$$

$$\cos(x)$$

$$\sin\left(x + \frac{\pi}{2}\right)$$

$$\cos(x)\sin(y)$$

$$\frac{1}{2}(\sin(x+y) - \sin(x-y))$$

$$\cos(x)\cos(y) - \sin(x)\sin(y)$$

$$\cos(x + y)$$

$$\sin(x)$$

$$t = \tan\left(\frac{x}{2}\right)$$

$$\frac{2t}{1 + t^2}$$

$$t = \tan\left(\frac{x}{2}\right)$$

$$\cos(\pi - x)$$

$$- \cos(x)$$

$$\sin(2x)$$

$$2\sin(x)\cos(x)$$

$$\frac{1 - t^2}{1 + t^2}$$

$$t = \tan\left(\frac{x}{2}\right)$$

$$\cos(x)$$

$$t = \tan\left(\frac{x}{2}\right)$$