

Primitives usuelles

Fonctions	Primitives
x^n	$\frac{x^{n+1}}{n+1} + C \quad (n \neq -1)$
$\frac{1}{x}$	$y = \ln x + C$
$\frac{1}{\sqrt{x}}$	$2\sqrt{x} + C$
$\frac{1}{x^2}$	$-\frac{1}{x} + C$
e^x	e^x
e^{ax+b}	$\frac{1}{a}e^{ax+b} + C$
$\cos(ax + b)$	$\frac{1}{a}\sin(ax + b) + C$
$\sin(ax + b)$	$-\frac{1}{a}\cos(ax + b) + C$
$\frac{1}{\cos^2 x}$	$\tan x + C$
$\frac{u'}{u}$	$y = \ln u + C$
$\frac{u'}{u^2}$	$-\frac{1}{u} + C$
$\frac{u'}{\sqrt{u}}$	$2\sqrt{u} + C$
$u' \cdot u^n$	$\frac{u^{n+1}}{n+1} + C \quad (n \neq -1)$
$u'e^u$	$e^u + C$
$u'\sin u$	$-\cos u + C$
$u'\cos u$	$\sin u + C$