

Primitives élémentaires

$\mathbf{f(x)}$	$\mathbf{F(x)}$
k (constante)	$kx + C$
x^α ($\alpha \neq -1$)	$\frac{x^{\alpha+1}}{\alpha+1} + C$
$\frac{1}{\sqrt{x}}$ ($x > 0$)	$2\sqrt{x} + C$
$\frac{1}{x}$ ($x \neq 0$)	$\text{Log } x + C$
e^x	$e^x + C$
a^x	$\frac{a^x}{\text{Log}(a)} + C$
$\sin(x)$	$-\cos(x) + C$
$\cos(x)$	$\sin(x) + C$
$\tan(x)$	$-\text{Log } \cos(x) + C$
$\frac{1}{\sqrt{1-x^2}}$ ($ x < 1$)	$\text{Arcsin}(x) + C$
$\frac{1}{1+x^2}$	$\text{Arctg}(x) + C$
$\text{sh}(x)$	$\text{ch}(x) + C$
$\text{ch}(x)$	$\text{sh}(x) + C$
$\text{th}(x)$	$\text{Log}(\text{ch}(x)) + C$
$\frac{1}{\sqrt{1+x^2}}$	$\text{Argsh}(x) + C$
$\frac{1}{\sqrt{x^2-1}}$ ($ x > 1$)	$\begin{cases} \text{Argch}(x) + C & \text{si } x \geq 1, \\ -\text{Argch}(-x) + C & \text{si } x \leq -1. \end{cases}$