

Integrales

Tabla de integrales inmediatas

$\int x^p dx = \frac{x^{p+1}}{p+1} + C \quad (p \neq -1)$	$\int f(x)^p f'(x) dx = \frac{f(x)^{p+1}}{p+1} + C \quad (p \neq -1)$
$\int \frac{1}{x} dx = \ln x + C$	$\int \frac{f'(x)}{f(x)} dx = \ln f(x) + C$
$\int \sin x dx = -\cos x + C$	$\int f'(x) \sin f(x) dx = -\cos f(x) + C$
$\int \cos x dx = \sin x + C$	$\int f'(x) \cos f(x) dx = \sin f(x) + C$
$\int \frac{1}{\cos^2 x} dx = \tan x + C$	$\int \frac{f'(x)}{\cos^2 f(x)} dx = \tan f(x) + C$
$\int \frac{1}{\sin^2 x} dx = -\cot x + C$	$\int \frac{f'(x)}{\sin^2 f(x)} dx = -\cot f(x) + C$
$\int \frac{1}{1+x^2} dx = \arctan x + C$	$\int \frac{f'(x)}{1+f(x)^2} dx = \arctan f(x) + C$
$\int \frac{1}{\sqrt{1-x^2}} dx = \arcsin x + C$	$\int \frac{f'(x)}{\sqrt{1-f(x)^2}} dx = \arcsin f(x) + C$