

TABLA DE INTEGRALES INMEDIATAS

REGLAS BÁSICAS

Multiplicación por una constante : $\int k \cdot f(x) dx = k \cdot \int f(x) dx$
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Suma de integrales : $\int f(x) + g(x) dx = \int f(x) dx + \int g(x) dx$
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INTEGRALES INMEDIATAS

$\int dx = x + C$

$\int x^n dx = \frac{x^{n+1}}{n+1} + C$

$\int \frac{1}{x} dx = \ln x + C$

$\int e^x dx = e^x + C$

$\int a^x dx = \frac{a^x}{\ln(a)} + C$
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$\int \sin(x) dx = -\cos(x) + C$

$\int \cos(x) dx = \sin(x) + C$

$\int \frac{1}{\cos^2(x)} dx = \int 1 + \tan^2(x) dx = \tan(x) + C$

$\int \frac{1}{\sqrt{1-x^2}} dx = \arcsin(x) + C$

$\int \frac{-1}{\sqrt{1-x^2}} dx = \arccos(x) + C$
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$\int \frac{1}{1+x^2} dx = \arctg(x) + C$
