

TABLA INTEGRALES INMEDIATAS

Constante	$\int K dx = K \cdot x + C$
Constante por Función	$\int K \cdot u dx = K \cdot \int u dx$
Suma o Resta de Funciones	$\int (u \pm v) dx = \int u dx \pm \int v dx$
Potencial	$\int u' \cdot u^n dx = \frac{u^{n+1}}{n+1} + C$
Exponencial	$\int u' \cdot e^u dx = e^u + C$
	$\int u' \cdot a^u dx = \frac{a^u}{\text{Ln } a} + C$
Logarítmica	$\int \frac{u'}{u} dx = \text{Ln} u + C$
	$\int \frac{u'}{\text{Ln } a \cdot u} dx = \log_a u + C$
Trigonométricas directas	$\int -u' \cdot \text{sen } u dx = \text{cos } u + C$
	$\int u' \cdot \text{cos } u dx = \text{sen } u + C$
	$\int \frac{u'}{\text{cos}^2 u} dx = \int u' \cdot (1 + \text{tg}^2 u) dx = \text{tg } u + C$
Trigonométricas inversas	$\int \frac{u'}{\sqrt{1-u^2}} dx = \text{arc sen } u + C$
	$\int -\frac{u'}{\sqrt{1-u^2}} dx = \text{arc cos } u + C$
	$\int \frac{u'}{1+u^2} dx = \text{arc tg } u + C$