

TABELLA DEGLI INTEGRALI INDEFINITI

$\int 0 dx = c$	$\int [f(x) + g(x)] dx = \int f(x) dx + \int g(x) dx$
$\int dx = x + c$	$\int kf(x) dx = k \int f(x) dx$
$\int x^n dx = \frac{x^{n+1}}{n+1} + c \quad (n \neq -1)$	$\int [f(x)]^n f'(x) dx = \frac{[f(x)]^{n+1}}{n+1} + c$
$\int \frac{1}{\sqrt{x}} dx = 2\sqrt{x} + c$	$\int \frac{1}{\sqrt{f(x)}} f'(x) dx = 2\sqrt{f(x)} + c$
$\int \operatorname{sen} x dx = -\cos x + c$	$\int \operatorname{sen} f(x) f'(x) dx = -\cos f(x) + c$
$\int \cos x dx = \operatorname{sen} x + c$	$\int \cos f(x) f'(x) dx = \operatorname{sen} f(x) + c$
$\int \frac{1}{\cos^2 x} dx = \operatorname{tg} x + c$	$\int \frac{1}{\cos^2 f(x)} f'(x) dx = \operatorname{tg} f(x) + c$
$\int \frac{1}{\operatorname{sen}^2 x} dx = -\cot x + c$	$\int \frac{1}{\operatorname{sen}^2 f(x)} f'(x) dx = -\operatorname{ctg} f(x) + c$
$\int \frac{1}{\sqrt{1-x^2}} dx = \begin{cases} \operatorname{arcsen} x + c \\ -\arccos x + c \end{cases}$	$\int \frac{1}{\sqrt{1-[f(x)]^2}} f'(x) dx = \begin{cases} \operatorname{arcsen} f(x) + c \\ -\arccos f(x) + c \end{cases}$
$\int \frac{1}{1+x^2} dx = \begin{cases} \operatorname{arctg} x + c \\ -\operatorname{arc} \cot x + c \end{cases}$	$\int \frac{1}{1+[f(x)]^2} f'(x) dx = \begin{cases} \operatorname{arctg} f(x) + c \\ -\operatorname{arc} \cot f(x) + c \end{cases}$
$\int \frac{1}{x} dx = \ln x + c$	$\int \frac{1}{f(x)} f'(x) dx = \ln f(x) + c$
$\int e^x dx = e^x + c$	$\int e^{f(x)} f'(x) dx = e^{f(x)} + c$