

## INTEGRALES

$\int f' f^n dx = \frac{f^{n+1}}{n+1} + C$	$\int (1 + \operatorname{tg}^2) \cdot f' = \operatorname{tg} f + C$
$\int \frac{f'}{f} dx = \ln  f  + C$	$\int \frac{f'}{\cos^2 f} dx = \operatorname{tg} f + C$
$\int e^f \cdot f' dx = e^f + C$	$\int (1 + \operatorname{cotg}^2 f) \cdot f' dx = -\operatorname{cotg} f + C$
$\int a^f \cdot f' dx = \frac{a^f}{\ln a} + C$	$\int \frac{1}{\operatorname{sen}^2 f} f' dx = -\operatorname{cotg} f + C$
$\int \operatorname{sen} f \cdot f' dx = -\cos f + C$	$\int \frac{f'}{\sqrt{a^2 - f^2}} dx = \operatorname{arcsen} \frac{f}{a} + C$
$\int \cos f \cdot f' dx = \operatorname{sen} f + C$	$\int \frac{f'}{a^2 + f^2} dx = \frac{1}{a} \operatorname{arctg} \frac{f}{a} + C$
$\int \operatorname{tg} f \cdot f' dx = -\ln  \cos f  + C$	$\int \frac{f'}{a^2 - f^2} dx = \frac{1}{2a} \ln \left  \frac{f-a}{f+a} \right  + C$
$\int \operatorname{cotg} f \cdot f' dx = \ln  \operatorname{sen} f  + C$	$\int \frac{f'}{\sqrt{a^2 + f^2}} dx = \ln \left  f + \sqrt{f^2 + a^2} \right  + C$
$\int \sec f \cdot \operatorname{tg} f \cdot f' dx = \sec f + C$	$\int \operatorname{cosec} f \cdot \operatorname{cotg} f \cdot f' dx = -\operatorname{cosec} f + C$
$\int \sec f f' dx = \ln  \sec f + \operatorname{tg} f  + C$	$\int \operatorname{cosec} f f' dx = \ln  \operatorname{cosec} f - \operatorname{cotg} f  + C$