

Tabela Riasuntiva

FUNÇÃO	DERIVADA
$f^a(x)$	$a f^{a-1}(x) f'(x)$
$\sin f(x)$	$f'(x) \cos f(x)$
$\sin^{-1}[f(x)]$	$\frac{f'(x)}{\sqrt{1-f^2(x)}}$
$\cos f(x)$	$-f'(x) \sin f(x)$
$\cos^{-1} x$	$-\frac{f'(x)}{\sqrt{1-f^2(x)}}$
$\tan f(x)$	$\frac{f'(x)}{\cos^2 f(x)}$
$\tan^{-1} f(x)$	$\frac{f'(x)}{1+f^2(x)}$
$\sinh f(x)$	$f'(x) \cosh f(x)$
$\sinh^{-1} x$	$\frac{f'(x)}{\sqrt{f^2(x)+1}}$
$\cosh f(x)$	$f'(x) \sinh f(x)$
$\cosh^{-1} f(x)$	$\frac{f'(x)}{\sqrt{f^2(x)-1}}$
$\tanh f(x)$	$\frac{f'(x)}{\cosh^2 f(x)}$
$\tanh^{-1} f(x)$	$\frac{f'(x)}{1-f^2(x)}$