

Az alapderiváltak táblázata

$f(x)$	$f'(x)$	$f(x)$	$f'(x)$
$c (c \in \mathbb{R})$	0	$x^\alpha (\alpha \in \mathbb{R})$	$\alpha \cdot x^{\alpha-1}$
$\sin x$	$\cos x$	$\cos x$	$-\sin x$
$\operatorname{tg} x$	$\frac{1}{\cos^2 x}$	$\operatorname{ctg} x$	$-\frac{1}{\sin^2 x}$
$\arcsin x$	$\frac{1}{\sqrt{1-x^2}}, x < 1$	$\arccos x$	$-\frac{1}{\sqrt{1-x^2}}, x < 1$
$\operatorname{arctg} x$	$\frac{1}{1+x^2}$	$\operatorname{arcctg} x$	$-\frac{1}{1+x^2}$
a^x	$a^x \cdot \ln a$	e^x	e^x
$\log_a x$	$\frac{1}{x \cdot \ln a}$	$\ln x$	$\frac{1}{x}$
$\operatorname{sh} x$	$\operatorname{ch} x$	$\operatorname{ch} x$	$\operatorname{sh} x$
$\operatorname{th} x$	$\frac{1}{\operatorname{ch}^2 x}$	$\operatorname{cth} x$	$-\frac{1}{\operatorname{sh}^2 x}$
$\operatorname{arsh} x$	$\frac{1}{\sqrt{x^2+1}}$	$\operatorname{arch} x$	$\frac{1}{\sqrt{x^2-1}}$
$\operatorname{arth} x$	$\frac{1}{1-x^2}, x < 1$	$\operatorname{arcth} x$	$\frac{1}{1-x^2}, x > 1$