

Vzorce pro derivování

$$(x^n)' = n \cdot x^{n-1}$$

$$(e^x)' = e^x$$

$$(C)' = 0; C \text{ je konstanta}$$

$$(a^x)' = a^x \cdot \ln a$$

$$(\ln x)' = \frac{1}{x}$$

$$(\log_a x)' = \frac{1}{x \cdot \ln a}$$

$$(\sin x)' = \cos x$$

$$(\cos x)' = -\sin x$$

$$(\operatorname{tg} x)' = \frac{1}{\cos^2 x}$$

$$(\operatorname{cotg} x)' = -\frac{1}{\sin^2 x}$$

$$(\operatorname{arc} \sin x)' = \frac{1}{\sqrt{1-x^2}}$$

$$(\operatorname{arc} \cos x)' = -\frac{1}{\sqrt{1-x^2}}$$

$$(\operatorname{arc} \operatorname{tg} x)' = \frac{1}{1+x^2}$$

$$(\operatorname{arc} \operatorname{cotg} x)' = -\frac{1}{1+x^2}$$