

LIMITI NOTEVOLI

Sia $\boxed{\lim_{x \rightarrow x_0} f(x) = 0}$. Allora:

$$\lim_{x \rightarrow 0^+} \sin x = 0$$

$$\lim_{x \rightarrow -\infty} x \cdot e^x = 0$$

$$\lim_{x \rightarrow 0^+} \cos x = 1$$

$$\lim_{x \rightarrow 0} x \cdot \ln x = 0$$

$$\lim_{x \rightarrow 0} \tan x = 0$$

$$\lim_{x \rightarrow x_0} \frac{b^{f(x)} - 1}{f(x)} = \ln b$$

$$\lim_{x \rightarrow x_0} \frac{\sin(f(x))}{f(x)} = 1$$

$$\lim_{x \rightarrow x_0} \frac{\ln(1 + f(x))}{f(x)} = 1$$

$$\lim_{x \rightarrow x_0} \frac{1 - \cos(f(x))}{(f(x))^2} = \frac{1}{2}$$

$$\lim_{x \rightarrow x_0} \frac{\log_a(1 + f(x))}{f(x)} = \log_a e$$

$$\lim_{x \rightarrow x_0} \frac{\tan f(x)}{f(x)} = 1$$

$$\lim_{x \rightarrow x_0} \frac{(1 + f(x))^\alpha - 1}{f(x)} = \alpha$$

$$\lim_{x \rightarrow x_0} (1 + f(x))^{\frac{1}{f(x)}} = e$$

$$\lim_{x \rightarrow x_0} \frac{f(x) - \sin f(x)}{x^3} = \frac{1}{6}$$