

# Limiti notevoli di funzioni

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- $\lim_{x \rightarrow 0} \frac{\sin(x)}{x} = 1$
- $\lim_{x \rightarrow 0} \frac{\tan(x)}{x} = 1$
- $\lim_{x \rightarrow 0} \frac{1 - \cos(x)}{x^2} = \frac{1}{2}$
- $\lim_{x \rightarrow 0} \frac{\arcsin(x)}{x} = 1$
- $\lim_{x \rightarrow 0} \frac{\arctan(x)}{x} = 1$
- $\lim_{x \rightarrow \pm\infty} \left(1 + \frac{1}{x}\right)^x = e$
- $\lim_{x \rightarrow 0} (1 + x)^{\frac{1}{x}} = e$
- $\lim_{x \rightarrow 0} \frac{\log(1+x)}{x} = 1$
- $\lim_{x \rightarrow 0} \frac{e^x - 1}{x} = 1$
- $\lim_{x \rightarrow +\infty} \frac{\log(x)}{x} = 0$
- $\lim_{x \rightarrow 0} \frac{(1+x)^a - 1}{x} = a, a \in \mathbb{R}$