

Calcolare i seguenti limiti



$$\bullet \lim_{x \rightarrow 0} \frac{1 - \cos x + \log \cos x}{x^4} \quad R: -\frac{1}{8}$$

$$\bullet \lim_{x \rightarrow 0} \left(\frac{1}{x \operatorname{Tg} x} - \frac{1}{x^2} \right) \quad R: -\frac{1}{3}$$

$$\bullet \lim_{x \rightarrow 0} \frac{1 + 2 \sin x - \cos x}{x + 3 \sin x} \quad R: \frac{1}{2}$$

$$\bullet \lim_{x \rightarrow 0} \frac{\arcsin x + 3 \sin x}{x + 2 \operatorname{Tg} x} \quad R: \frac{4}{3}$$

$$\bullet \lim_{x \rightarrow 0} \frac{\cos x - e^{x^2}}{\sin^2 x} \quad R: -\frac{3}{2}$$

$$\bullet \lim_{x \rightarrow 0} \left(\frac{1}{x^2} - \frac{1}{\sin^2 x} \right) \quad R: -\frac{1}{3}$$

$$\bullet \lim_{x \rightarrow 0} \frac{e^{\sin x} - \frac{\sin x}{x} - x}{\tan^2(3x)} \quad R: \frac{2}{27}$$