

Limites

Calculer les limites suivantes

$$\lim_{+\infty} (e^x - e^{2x})$$

$$\lim_{+\infty} (e^{3x} - x)$$

$$\lim_{+\infty} (x^3 + x^2 - x - 1)$$

$$\lim_{+\infty} \left(x^2 + \frac{1}{x}\right)$$

$$\lim_{0^+} \left(x^2 + \frac{1}{x}\right)$$

$$\lim_{0^-} \left(x^2 + \frac{1}{x}\right)$$

$$\lim_{x \rightarrow \infty} \frac{x^3 - x^2 + 1}{2x^3 + x - 1}$$

$$\lim_{-\infty} \frac{x^4 - 2x + 1}{x^3 + x}$$

$$\lim_{x \rightarrow 2^+} \frac{x^2 + 5x - 1}{(x-2)(x+1)}$$

$$\lim_{x \rightarrow 2^-} \frac{x^2 + 5x - 1}{(x-2)(x+1)}$$

$$\lim_{x \rightarrow 1} \frac{x^2 - 2x + 1}{(x-1)(x-2)}$$

$$\lim_{x \rightarrow \frac{\pi}{4}} \sin x$$

$$\lim_{x \rightarrow \frac{\pi}{2}^+} \tan x$$

$$\lim_{x \rightarrow \frac{\pi}{2}^+} \cos x$$

$$\lim_{x \rightarrow \frac{\pi}{2}^+} \frac{1}{\cos x}$$

$$\lim_{x \rightarrow +\infty} (\ln x - x + e^{2x})$$

$$\lim_{x \rightarrow 0} \left(x \ln x + \frac{1}{x}\right)$$

$$\lim_{x \rightarrow 3} \frac{x^2 - 9}{x^2 + 9}$$

$$\lim_{x \rightarrow 3^+} \frac{x^2 + 9}{x^2 - 9}$$

$$\lim_{x \rightarrow 3^-} \frac{(x-3)(x+5)}{x^2 - 9}$$

$$\lim_{x \rightarrow 0} \frac{\sin x}{x}$$

$$\lim_{x \rightarrow \infty} \frac{\sin x}{x}$$

$$\lim_{x \rightarrow 0^+} \frac{\cos x}{x}$$

$$\lim_{x \rightarrow +\infty} \frac{\cos x}{x}$$

$$\lim_{x \rightarrow 0} \frac{e^x - 1}{x}$$

$$\lim_{x \rightarrow 0} \frac{\ln(1+x)}{x}$$

$$\lim_{x \rightarrow +\infty} \frac{x^3 + \frac{1}{x} - \ln x}{e^x + x - 1}$$

$$\lim_{x \rightarrow 0} \frac{\ln x + x}{x - 1}$$

$$\lim_{-\infty} x e^{2x}$$

$$\lim_{0} x \ln x$$

$$\lim_{x \rightarrow \infty} \frac{e^{2x}}{x^3}$$