

$$f(x) = x \cdot e^{-2x} = \frac{x}{e^{2x}}$$

$$\lim_{\substack{x \to +\infty \\ x \to +\infty \\ e^{2x} = \frac{x}{e^{2x}}}} \frac{1}{e^{2x}} = \frac{1}{e^{2x}} = 0$$

$$\lim_{\substack{x \to +\infty \\ x \to +\infty \\ e^{2x} = \frac{1}{e^{2x}}} = \frac{1}{e^{2x}} = 0$$

$$\lim_{\substack{x \to +\infty \\ x \to -\infty \\ e^{2x} = \frac{1}{e^{2x}}} = \frac{1}{e^{2x}} = 0$$

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November 11, 2019

