

Function derivative example

Calculate the derivative of the following function:

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

$$f'(x) = 2 \cdot x \cdot e^{2 \cdot x} + x^2 \cdot e^{2 \cdot x} \cdot 2$$

$$f'(x) = 2 \cdot x \cdot e^{2 \cdot x} + 2 \cdot x^2 \cdot e^{2 \cdot x}$$