

Function derivative example

Calculate the derivative of the following function:

$$f(x) = \sin^2 2 \cdot x = (\sin(2 \cdot x))^2$$

$$f'(x) = 2 \cdot \sin(2 \cdot x) \cdot \cos(2 \cdot x) \cdot 2$$

$$f'(x) = 4 \cdot \sin(2 \cdot x) \cdot \cos(2 \cdot x)$$