

Function derivative example

Calculate the derivative of the following function:

$$f(x) = 5 \cdot x^3 + 2 \cdot x^4 + \sin x$$

$$f'(x) = 3 \cdot 5 \cdot x^2 + 4 \cdot 2 \cdot x^3 + \cos x$$

$$f'(x) = 15 \cdot x^2 + 8 \cdot x^3 + \cos x$$