

Function derivative example

Calculate the derivative of the following function:

$$f(x) = \sin(\ln(2 \cdot x + 1))$$

$$f'(x) = \cos(\ln(2 \cdot x + 1)) \cdot \frac{1}{2 \cdot x + 1} \cdot 2$$

$$f'(x) = 2 \cdot \cos(\ln(2 \cdot x + 1)) \cdot \frac{1}{2 \cdot x + 1}$$