

1 Total derivate

$$\cos'(x) = \frac{d \cos}{dx}(x)$$

$$f'(x) = \frac{df}{dx}(x)$$

$$H^{(5)}(x) = \frac{d^5 H}{dx^5}(x)$$

$$f'''(x) = \frac{d^3 f}{dx^3}(x)$$

2 Partial derivate

$$\cos'_x(x) = \frac{\partial \cos}{\partial x}(x)$$

$$f'_x(x) = \frac{\partial f}{\partial x}(x)$$

$$H'_{xxx}(x) = \frac{\partial^3 H}{\partial x^3}(x)$$

$$f'_{x(5)y(4)}(x, y) = \frac{\partial^9 f}{\partial x^5 \partial y^4}(x, y)$$