

Regneregler for symbolsk differentiering

$$\frac{d}{dx}\alpha = 0 \quad (\text{for konstante } \alpha)$$

$$\frac{d}{dx}x = 1$$

$$\frac{d}{dx}y = 0 \quad (\text{nr } y \text{ ikke er } x)$$

$$\frac{d}{dx}(e_1 + e_2) = \frac{d}{dx}e_1 + \frac{d}{dx}e_2$$

$$\frac{d}{dx}(e_1 - e_2) = \frac{d}{dx}e_1 - \frac{d}{dx}e_2$$

$$\frac{d}{dx}(e_1 \cdot e_2) = \left(\frac{d}{dx}e_1\right) \cdot e_2 + e_1 \cdot \left(\frac{d}{dx}e_2\right)$$