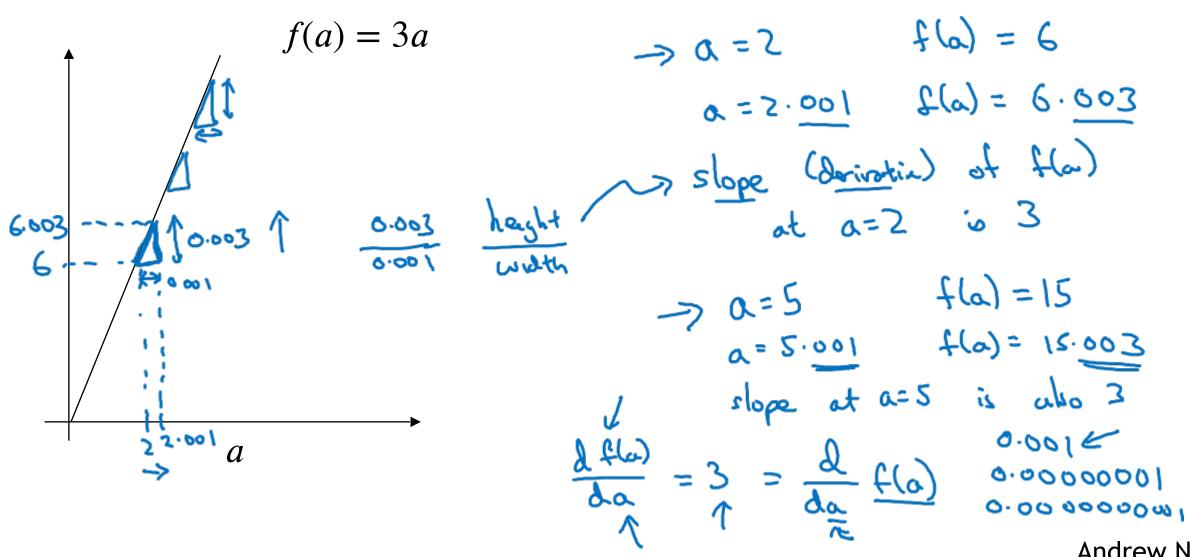


deeplearning.ai

Basics of Neural Network Programming Derivatives

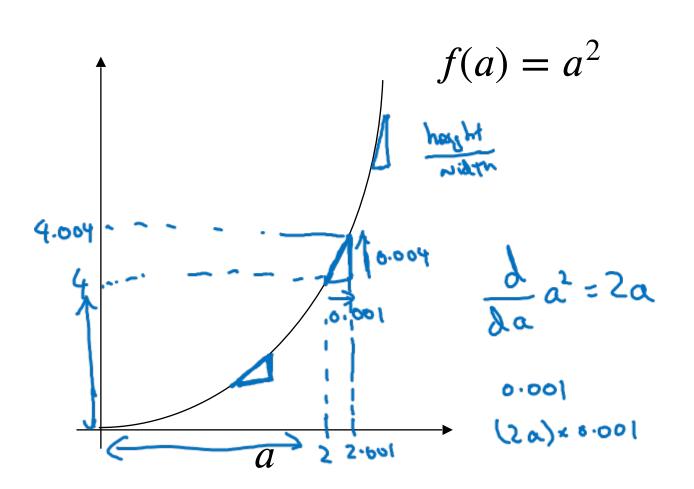
Intuition about derivatives

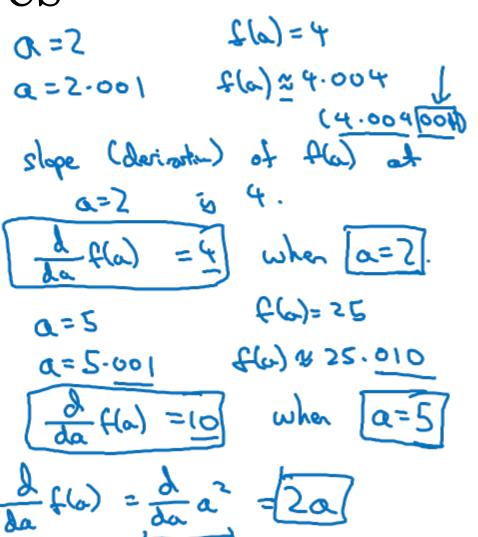


Andrew Ng

Intuition about derivatives







More derivative examples

$$f(a) = a^2$$

$$\frac{d}{da}(a) = 3a^{2}$$
 $3*2^{2} = 12$

$$\frac{d}{da}f(a) = \frac{1}{a}$$

$$\frac{1}{a} \frac{1}{a} \frac{1$$

$$\sigma = 5.001$$
 $t(r) = 8$ $c = 5$

$$0.0002 = 5.001 \quad \text{fm} \approx 0.0002$$

$$0.0002 \quad \text{fm} \approx 0.0002$$