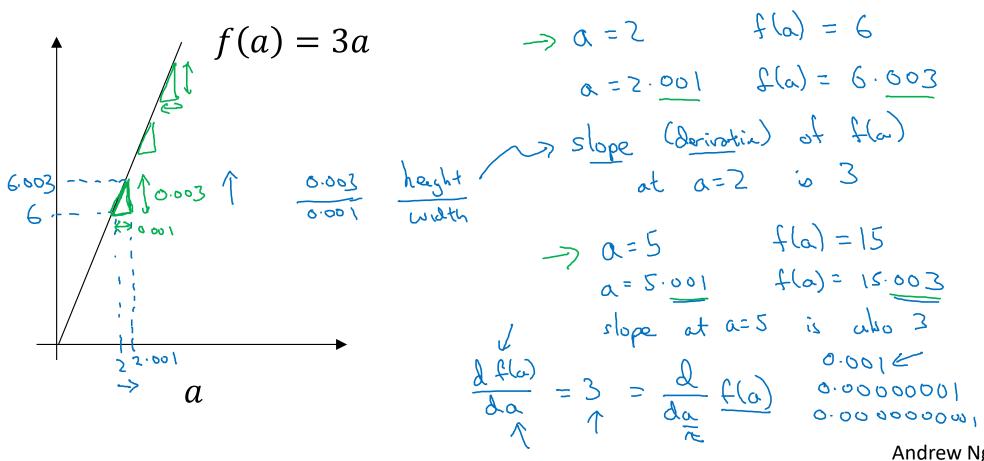


Basics of Neural Network Programming

deeplearning.ai

Derivatives

Intuition about derivatives



Andrew Ng



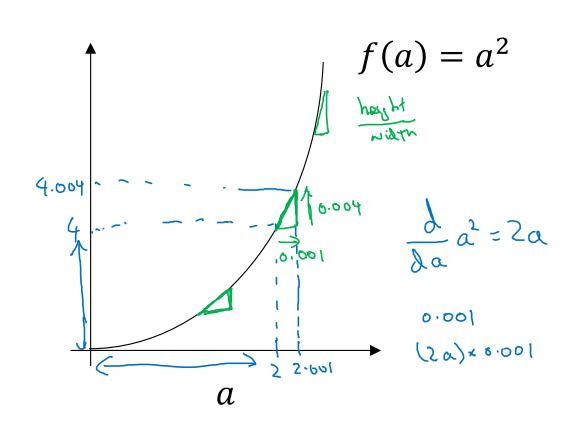
Basics of Neural Network Programming

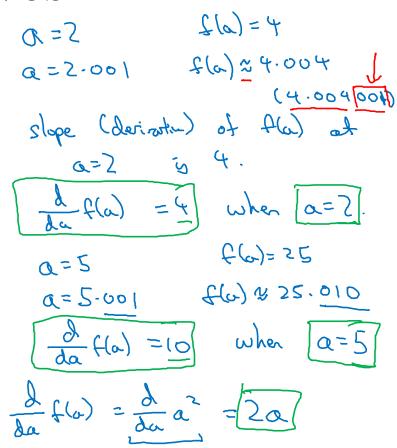
More derivatives examples

deeplearning.ai

Intuition about derivatives







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More derivative examples

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

$$f(\omega) = \alpha^3$$

$$\frac{\lambda}{\lambda a} (la) = \frac{3a^2}{3x2^2} = 12$$

$$a = 5.001$$
 $f(a) = 8$

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

$$Q = 2.001 \quad f(m) \approx 0.69365$$

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