$$(360)$$

$$\theta^{k+1} = \theta^k - \lambda \nabla J \quad \text{where } J = (y - h(x, \theta^k))^k$$

$$= \theta^{k+1} = \theta^{k} - \delta \nabla J$$

$$= \theta^{k} - \lambda \delta(y - h(x, \theta^{k})) \cdot \delta(-h(x, \theta^{k}))$$

$$|A''| = |A''| = |A''| = |A''| + |A''$$

$$\begin{array}{l}
\Delta \cdot (\alpha) \\
\delta(x) &= \frac{1}{1 + e^{-x}} \\
&= \frac{1}{1 + e^{-x}} \cdot (e^{-x})^{-x} \cdot (e^{-x})^{-x} \\
&= \frac{1}{1 + e^{-x}} \cdot e^{-x} \\
&= \frac{1}{1 + e^{-x}} \cdot e^{$$

$$= 6(x) \cdot \frac{e^{-x} + 1 - 1}{1 + e^{-x}}$$
$$= 6(x) (1 - 6(x))$$

$$= \frac{1}{2} \frac{$$

$$= 6(x)(1-6(x))(1-6(x)-6(x))$$

$$= 6(x)(1-6(x))(1-26(x))$$

$$= \frac{d^{2}}{dt^{2}} 6(x) = \frac{[6(x)(1-6(x))]}{[1-26(x)]} + 6(x)(1-6(x))(1-26(x))$$

= 6 KM (1-6KM) [1-66KM+662KM)

= 0(x) (1-6(x)) [(1-16(x)) (1-16(x)) - L6(x) (1-6(x))]

= 600 (1-600) (1-4000) +46200 - 2600) + 2600)

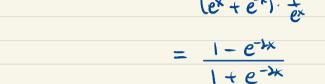
= 6(x)(1-6(x))(1->6(x))(1->6(x))-10(x)(1-6(x)) 0(x)(1-6(x))

$$D(x) = \frac{1}{1+e^{-x}} \quad sinh(x) = \frac{e^{x}-e^{-x}}{2} \quad cosh(x) = \frac{e^{x}+e^{-x}}{2}$$

$$tanh(x) = \frac{e^{x}-e^{-x}}{e^{x}+e^{-x}}$$

$$where \quad tanh(x) = \frac{(e^{x}-e^{x}) \cdot e^{x}}{(e^{x}+e^{-x}) \cdot e^{x}}$$

$$= \frac{1-e^{-1x}}{1-e^{-1x}}$$



$$\frac{-(e^{-\lambda x}+1)+1+1}{1+e^{-\lambda x}}$$

$$= -1 + \frac{\lambda}{1 + e^{-\lambda x}}$$

$$= 2.6(2x) - 1$$

$$= 2 (6(2x) - 1)$$

$$= 2 (6(2x) - \frac{1}{2})$$

