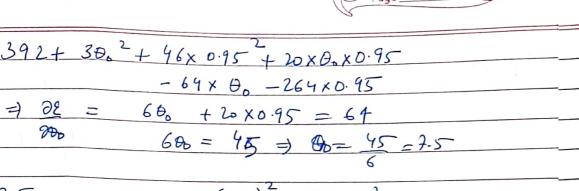


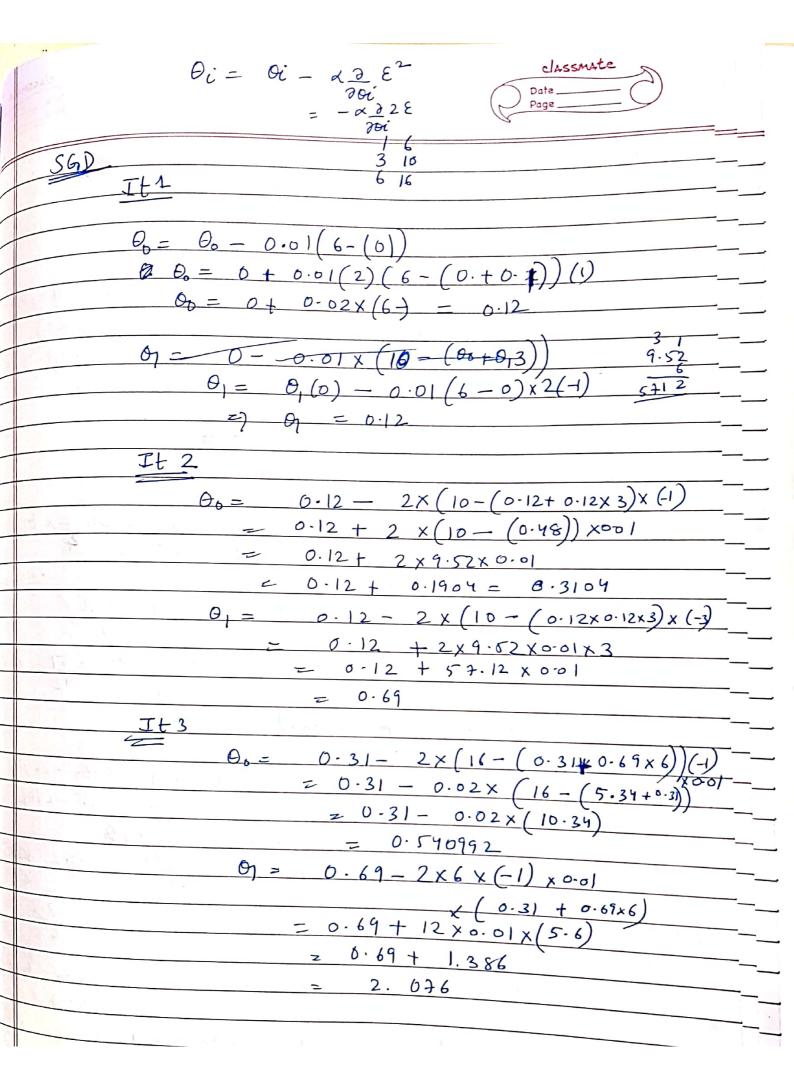
Scanned by CamScanner



classmate

$$\frac{3\xi}{201}$$
, $00 = 7.5$ $\Rightarrow 392 + 3(7.5)^{2} + 46 \times 9^{2}$
 $+ 20 \times 7.5 \times 9 - 64 \times 7.5 - 2649 = 0$
 $\Rightarrow 30 \times 3\xi \Rightarrow 929 + 150 - 264 = 0$
 $\Rightarrow 99 \Rightarrow 929 = 194$
 $9 = 57 \approx 1.24$

 $\Theta_8 = 7.5$, $\Theta_1 = 1.24$.





	Page Page
0	Normal Equation
	$X = \begin{bmatrix} 1 & 3 & 1 \\ 1 & 6 & 1 \end{bmatrix} $ $X^{T}X = \begin{bmatrix} 1 & 3 & 6 \\ 1 & 6 & 1 \end{bmatrix}$
	= $(3 10)$ $p + (10)$
	_
	$\Theta = (X^TX + 8^2I) \times Ty = \begin{bmatrix} 4 & 10 \\ 10 & 47 \end{bmatrix}$
	$M = X^{T}X + 8^{2}I = \begin{bmatrix} 4 & 1 & 0 \end{bmatrix}$
	10 47
	$M^{-1} = \begin{array}{ccccccccccccccccccccccccccccccccccc$
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	$xTy = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1$
	$\frac{1}{2} \int \frac{1}{2} \left[\frac{1}{2} - \frac{1}{2} \right] \left[\frac{32}{2} \right]$
	86 (-10 4) [132]
	$= 1 \left[\frac{47 \times 32 - 132 \times 10}{2} = \frac{184/88}{2} \right]$
	$= \frac{1}{88} \left(\frac{47 \times 32 - 132 \times 10}{-320 + 132 \times 4} \right) = \frac{184/88}{208/88}$
	= 2.09
	2.36
,	
,	
	·