Friday, September 1, 2023 9:38 PM

Linean Regn

Computational Cov

- Gradient De

ession

mple xit

25 cent

tounty Emply

(teatures)

J no me

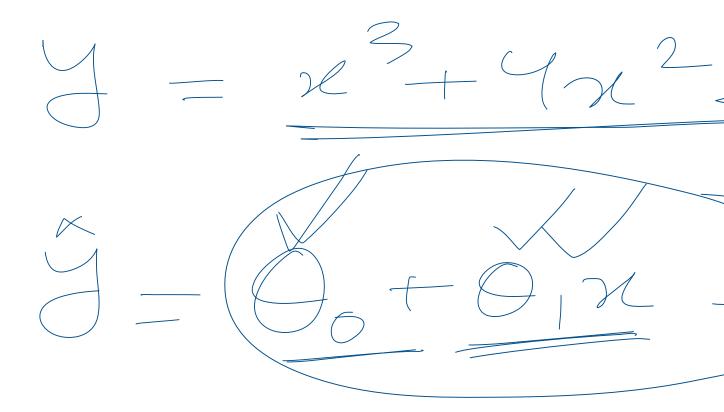
mo del pena 0-10/1-

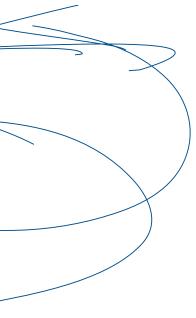
mete n

feating

Friday, September 1, 2023 9:51 PM

vectorised Jonn  $\frac{\partial}{\partial x} = \frac{\partial}{\partial x} \left( \frac{\partial x}{\partial x} \right) = \frac{\partial}{\partial x}$ Apothers Aunc feature for





Friday, September 1, 2023 9:55 PM

Marian - -

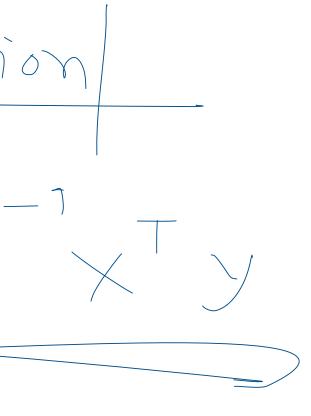


CHOM

Friday, September 1, 2023 9:58 Pf

Mormal Equat cont Aunction ogtim

C6C1 Page 13



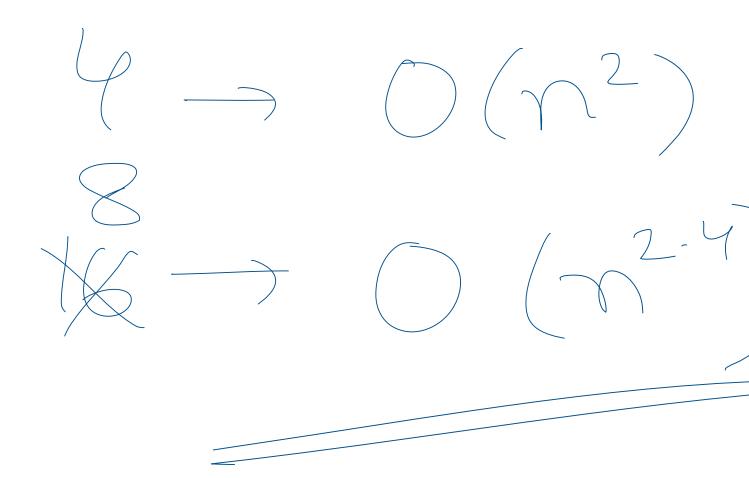
i2e

Friday, September 1, 2023 9:59 PM

Computational Comp M.M.  dexity

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

 $\left( \sqrt{3} \right)$ 



Friday, September 1, 2023 10:29 Pt

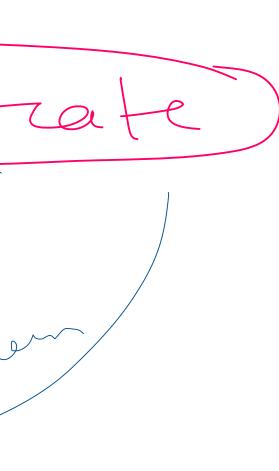
Thadient Desc

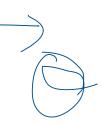
- minimize co

ent the

C6C1 Page

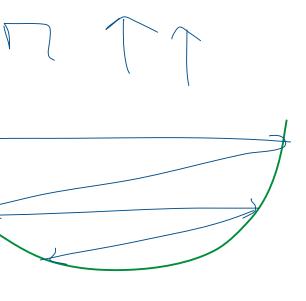
Friday, September 1, 2023 10:30 PM





Friday, September 1, 2023 10:33 PM

Computational Line



2 hi wal

Friday, September 1, 2023 10:35 PM

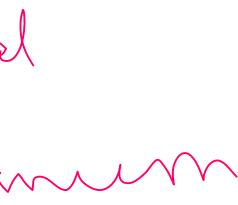
Blocal minimum





Convex - Ilobo

mini



Friday, September 1, 2023 10:38 PN

Batch GD

Pantial

Pantial



i cative

Friday, September 1, 2023 10:42 PM

- Smoother

6 MSE

Friday, September 1, 2023 10-43 PN

Stochastic GD - an example

Theatiful - Cal c Snowlie

ent Sht Friday, September 1, 2023 10:50 PN

Theren meacher minima: The vectorized implementation of the convergentation of the convergent of the convergence of the conve entertion 2 Friday, September 1, 2023 10:50 PN

Mini - Batch aD a mini-batch p - Teed - Mean of gradier - update