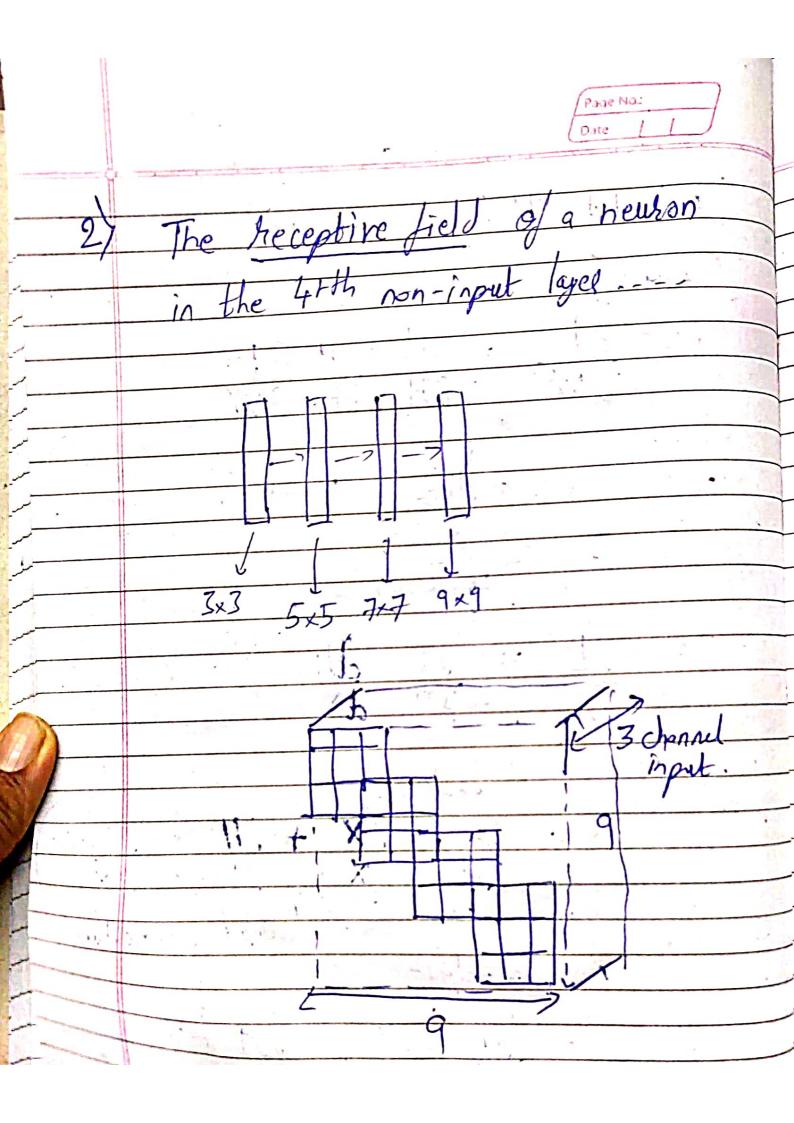
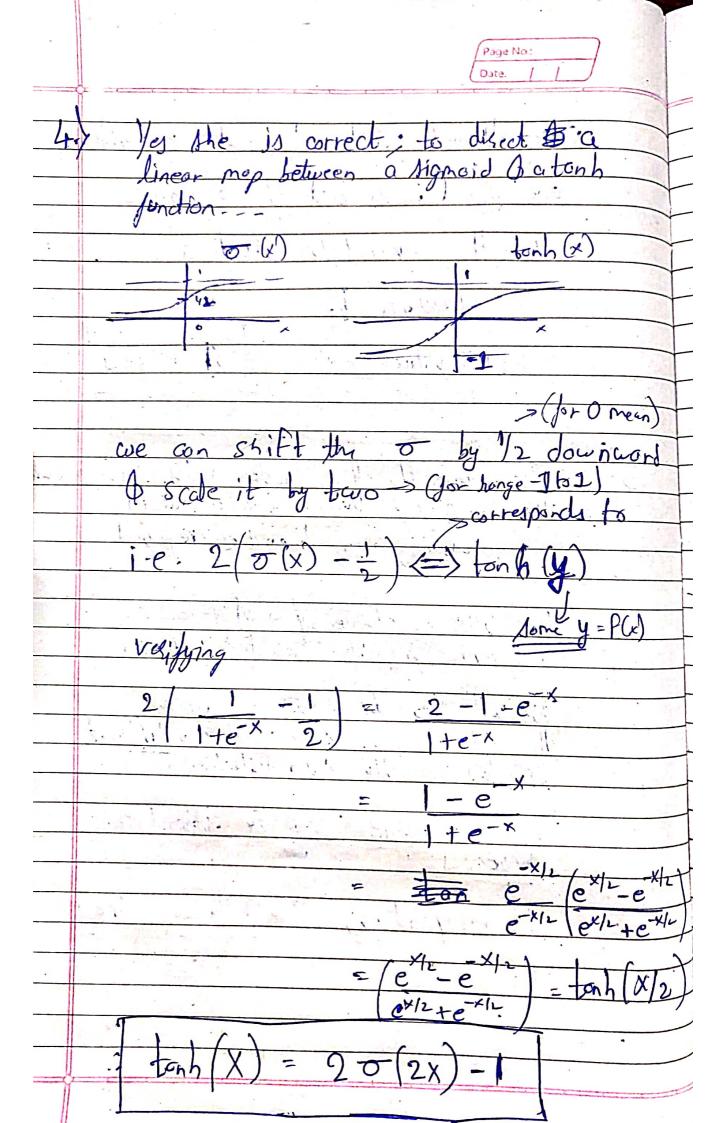
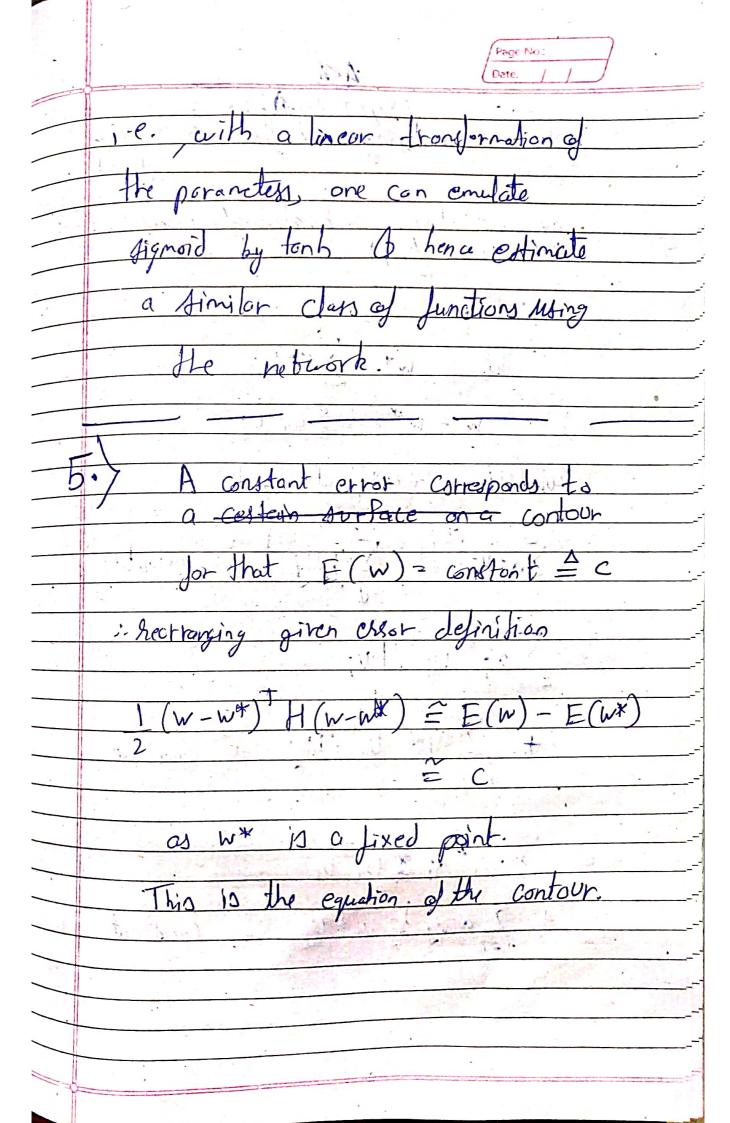


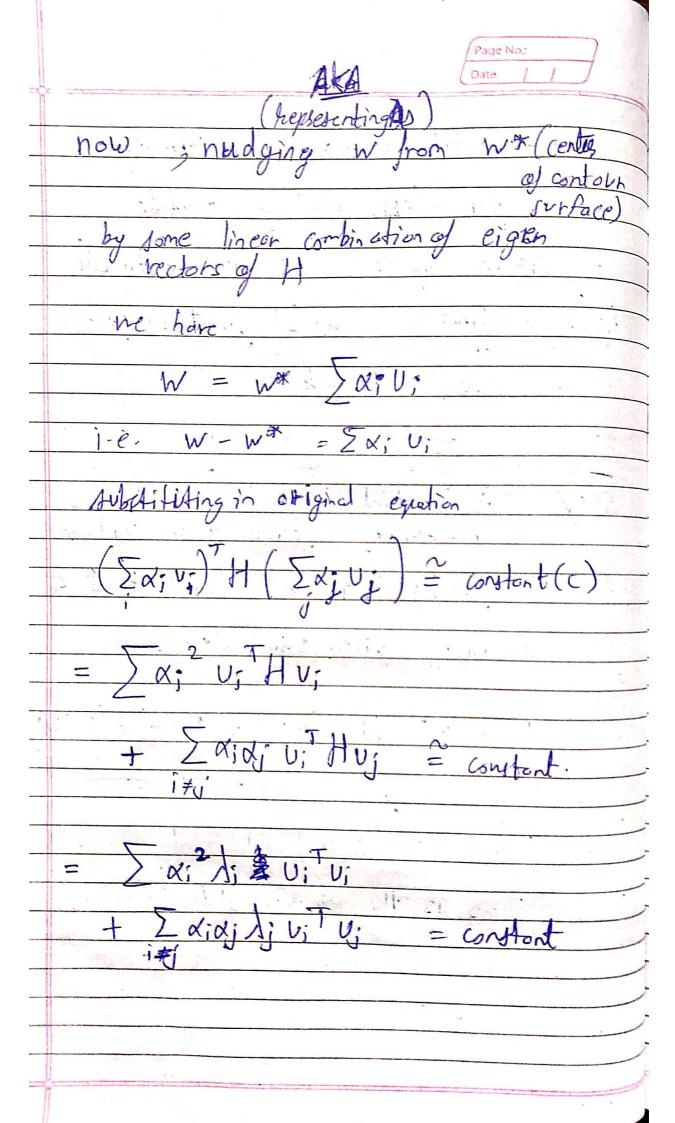
Note that $H(x) = F(x,w) + x$
now have have and
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· available
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$\frac{1}{1}$
- 2 X (2 H) X
arailable
$= \partial L \cdot f \partial X + \partial H(x, w) \partial F(x, w)$
JH ()X JF(XW) JX
Shape according to Jensor calculus
more precipely:
11/2X . 2H JF)
$=\frac{\partial F}{\partial H}\left(\frac{\partial X}{\partial Y} + \frac{\partial F}{\partial F} \frac{\partial X}{\partial X}\right)$
now we can update W & beckprop
to pievious layers as nell.
· · · · · · · · · · · · · · · · · · ·

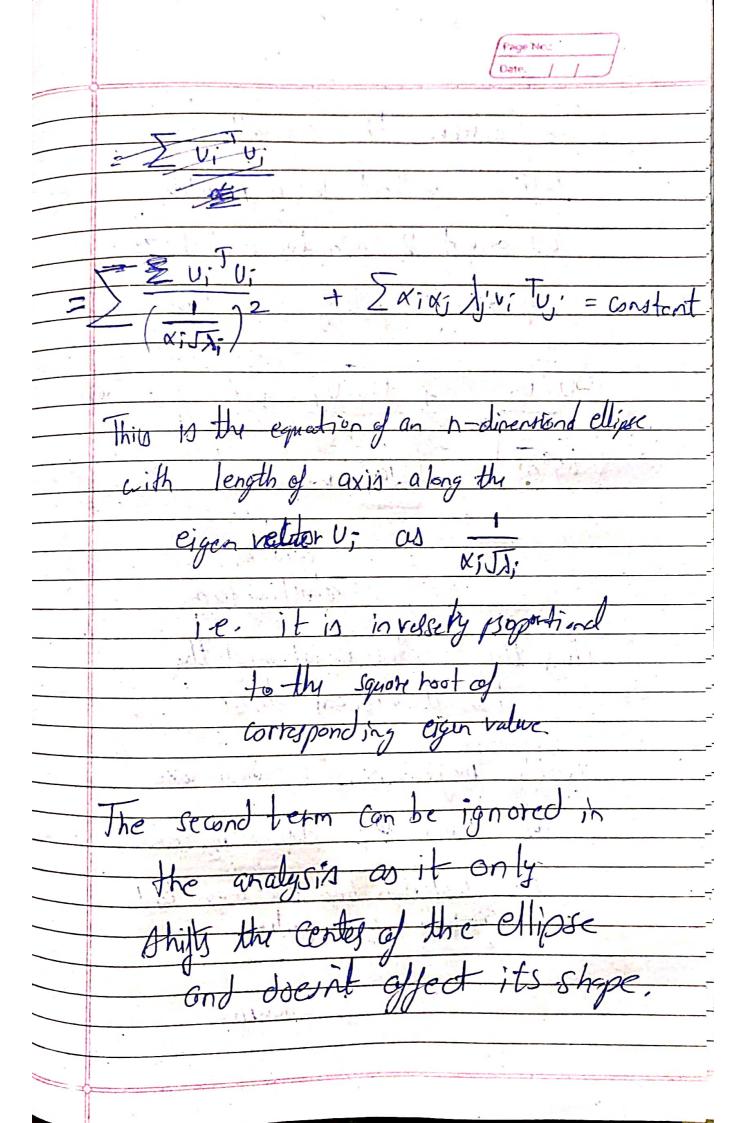


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	PNPh Tours To
	even trough 3 channel input is considered
	one pixel is a set of 3 values
	in the support for such a
	neuron is
	243 values or 81 pixels
1 41	
un Ja	The state of the s
3	Increasing the # of hidden units will increase the capacity of the network (estimator)
· 2	The Capacity of the network (estimator)
	(assuming non-lineorities depresent)
	This increases chances of overfitting to
, ₍₄	a Sample from the data distribution.
	This will lead the greater variations in the estimator for some number of different completes from the data distribution.
	the estimator for some number of different
	Simples from the data distribution.
	i.e. The variance of the estimator
	increases.
7.4	& correspondingly, The bias will drop
	And all the second
1	



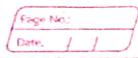






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observe the 2-d elipses. oss of generality without 2 cigentalue Ug Ug two dimensional ellpse major axis 6 minor axes : - Shown.



Suggested Heps: tetrieve phetained model from the Park in Washington. les in around such that semantice of the photo-animal pair de retained his oids in higher 13 ation as well as in creases data available for Tomain did histor between Milication leyer, om July sonneded danification layer and

Page No.: initial layers letter levio 15 a hyperparameter, jaihal no Weight decay