- ILSVRC > ImageNet dange Scale Visual Recognition

(Challinge)

1000 catigories > task of classifican among these catigories

- Moteric > top - 5 everor rate % 1. AlexNet (2012) > 28% > 16% > CNNs

huge jump

intended

(227×227×3) RGB Grayscale (1)

yeard, Strick, padding

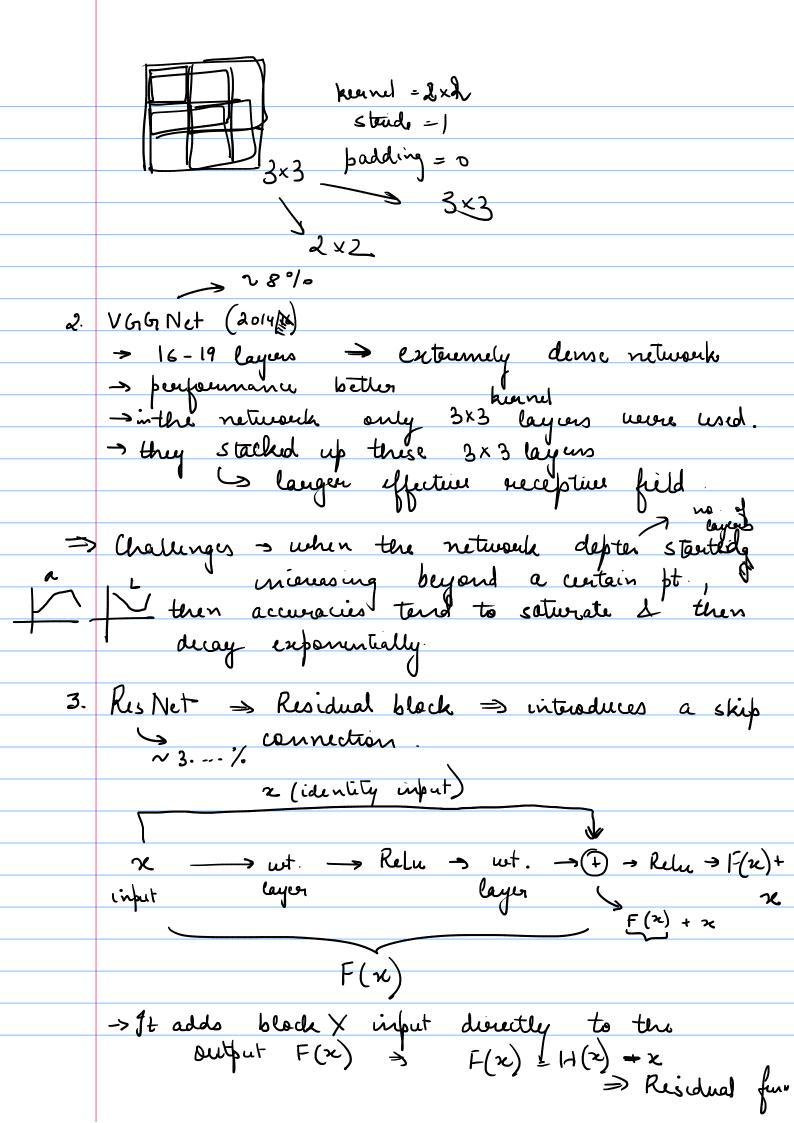
cancel (55×55×96)

manped

2×2 (27×27×27) come 2 (27 x 27 x 96) max cono 3 (27×27 x 256) bool layers Corne (4) (13 x 13 x 256) btu come 60 Million Cayers para meters (eno (8) FC layers (3/4) classifications layers. only during the

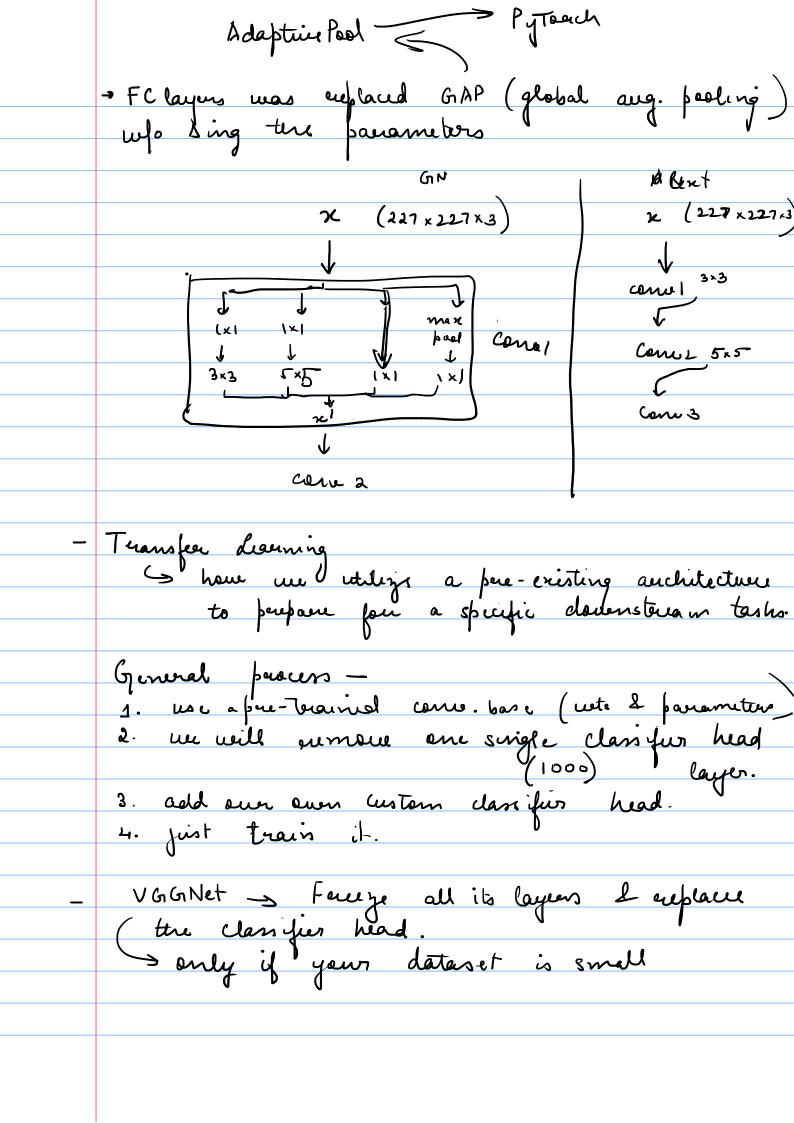
> trais time to make

sure there is no beas. > used 2 GPUs - us c & Relu Actuer & deropout were intereduced for the 1st time max (0, a)



A + 3 = Solud ten black of which $8 \times 5 \times 2$ convitation $3 \times 3 \times 9$ $+ (7 \times 7 \times 2)$ paroblem of ousting . #X extendy dup retirouse (152 layers) Canua 2 - wo **⊕** ← (x + x) + xsacrifung the perfourteur u

6. ~ 1 4. Gogle Net => Inception modele 2 3x3 5x5 1x1 1x1 > llayer bettlement 1x1 1x1 marpool 3x3 is knowy block vhich deferent attributes which captions bestorms positions of the same mage demensionality differenT demens cenality enduct > they conserted the entire vertical network before into a cluster of both vertical & tell >> parallel come. compula s parallel convolution was performed by s compula s - keromels - (x), 3x3, 5x5 -> mar bool -> luen though, the no. of params &, it is compulationally efficiently



-	AlexNet	>	unferce	ye all	the wits.	& u	1
		tere	neue d	ata to	the cuts. eveterain t => Fine	tu m	odel
	cittres	partia	lly on	fully.	=> Fine	-tuni	۸۹
		'	J	n Q			