ARAVIND 2019102014	Color	Lectuse Image	17 socessing (Control.
		k Image Seg	· · · · · · · · · · · ·	
tistogram equalisation	on also be	done en i	HSI spac	
Googseale quantisations no g Reduces no g Can be extended		ties images		
Color quantisation	ans on RGB			
-> Apply k-me -> No. of unique -> Ten lo to create -> Pastationing	coloses sedue: coloses sedue: coloses sedue: coloses sedue: coloses sedue:	e Form inten	bity	
Color Image Albering	can be done	by median	filtering	
. Color edge detecti	ion 8			
→ Method 1: Ing < E	? → Goods → E ; → Goods → E ; → Goods → E	odge R odge Cr	Euge Map	
Dear		ge Debeet Mulbi-duin	Output A	
Ing <	2 → Good R G → Good G - 3 — Good B -	Gradie		ge Delect Igo Map
> How But there	values one chan	ngdng		

sheppord to knowny

Convolutional neural network Stobatilies low-level feature

Image Segmentations

- Pastition into

1) Regions that cores mage

a) Linear stauctures such as
i) Line sagament
ii) Curve segament

320 shapes such as i) Cixles

i) Ellipses

in Probons (long, symmetric segion)

Approaches

-Ponts of discontinuity
Lines 1) Folge-based

2) That holding

3) Region-growing 4) Morphological Watershels

5) Motion

Edges & Dexivotrives.

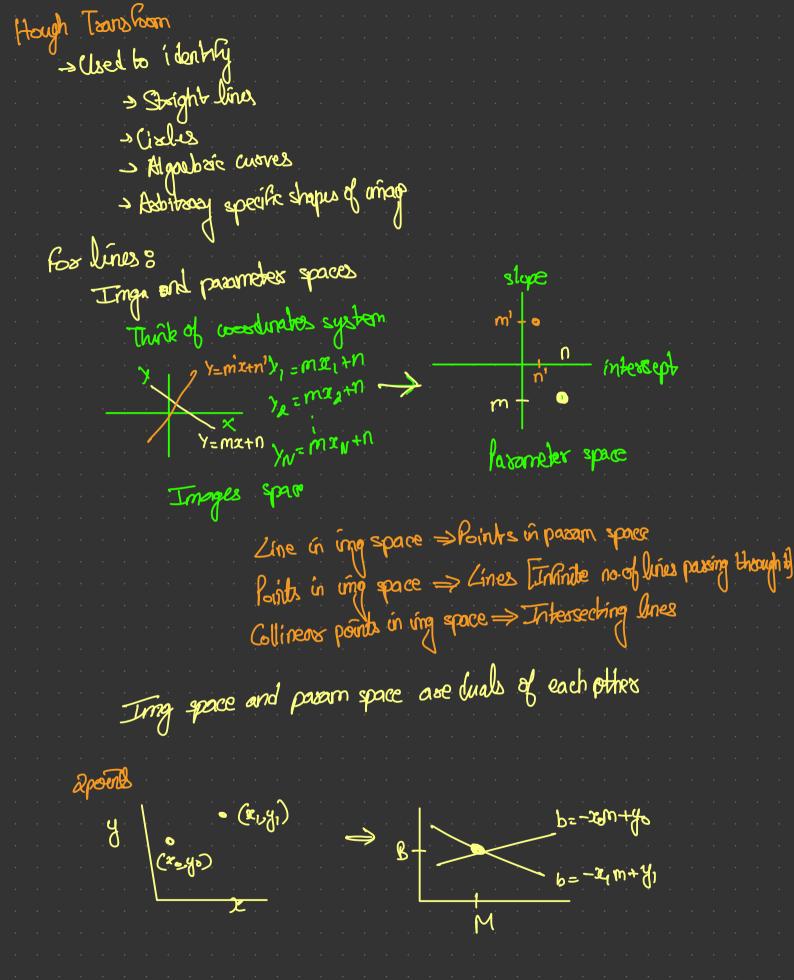
1st deriv -> edge location and desir -> Edge discetsion

Significations Original Cinetis at pasticular angles

Hosi->[-1-1-1 + 45 -> [-1-1-1]

2 a & 2 -1-1

- 45 -> [2 -1 -1] Vertical > [-1 2 -1]
-1 2 -1
-1 2 -1



> Initialize accumulator > Foreach edge Ilement (> Local maxima in A(m, b)	areay A(m,b) to O (x,y) introment all cells that so) correspond to lines Monace	ntrsky b=-2mty
Thousands age	> Visualise accum space [Height of peak defined by no. of pixels in line	Thathed accur space and superimposing this onto edge image
Tesue ? -> Slope good (2001 - 20 < m -> y=mx+n doesn't exposed Solution? Normal equation of li		
	Dist blu conjunt line	
Rossilian ung space > Si Collinear pounts > In > Alew space is finite > Asposser to all lines	inuspid in pason space bestecting sinuspilus [0 <p<0, 0="Image" diagonal]<="" td=""><td></td></p<0,>	
Mark Mark Control of the Control of	orth th do dp. Tet A(B, T) be a (hdo)+1 sm (ho) j) find do sest k	recurs with 0 in it

La Solution of edge: astron (GTV)

Orientation of edge: astron (GTV)

La Fix O in passum space and incomment only one counter