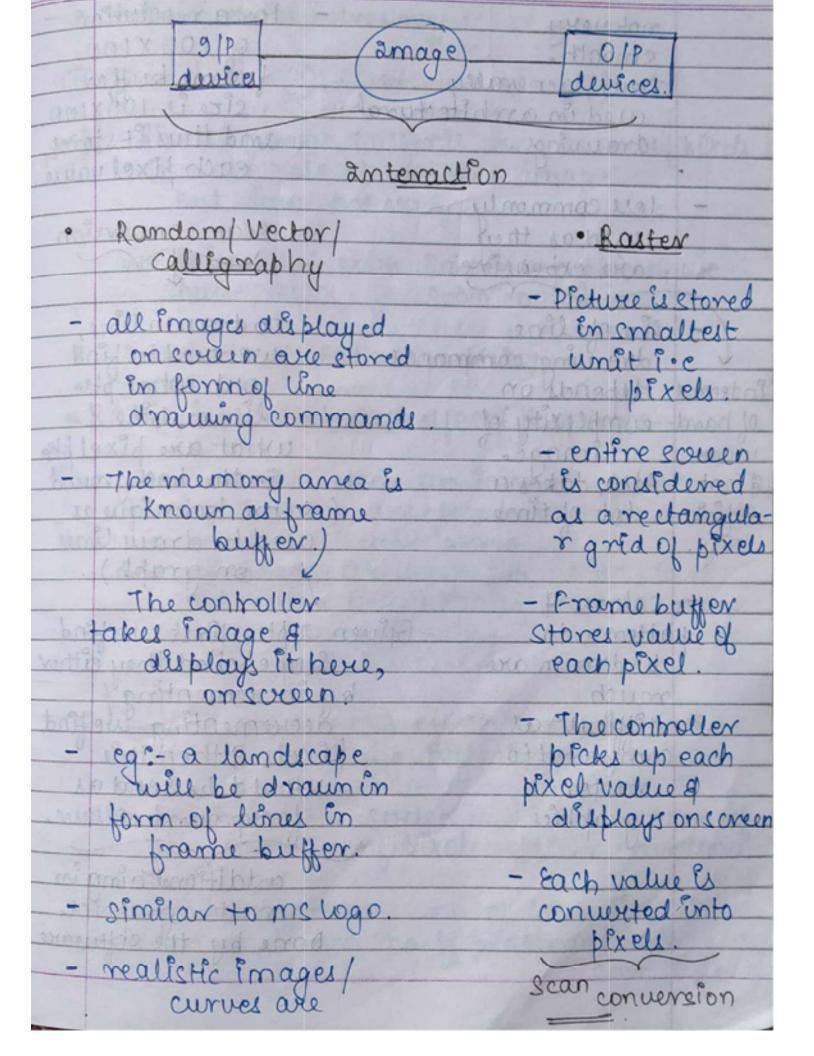
	Computer Graphics
_	first we need to veate model for an image
	which can be represented either by
	egn or by some pts.
	Rendening
	Mathematical
	model amage amage
	modelling. Damage
	processing
di	one aspect of CG & modelling.
7-	to the later of th
	To creation of various model
	To convert a model
	Porto image Rendering
	valar prince la Hodia savias
	covers aspects of covering color, texture, lighting effects, shadows
	etc. W
	not a part of model.
0	Rendering a also called "amage synthesis."
-	refreeding is used cutter with agritudes.
0	modification in i mage → amage processing.
	Aspect of Image processing is
4%	Aspect of smage processing is
	AT DESIGNATION OF THE PARTY OF
	af from an Imageme, we can get some useful info, then it is called amage analyses!
	rigo, irai ir a carea arriage arrage of

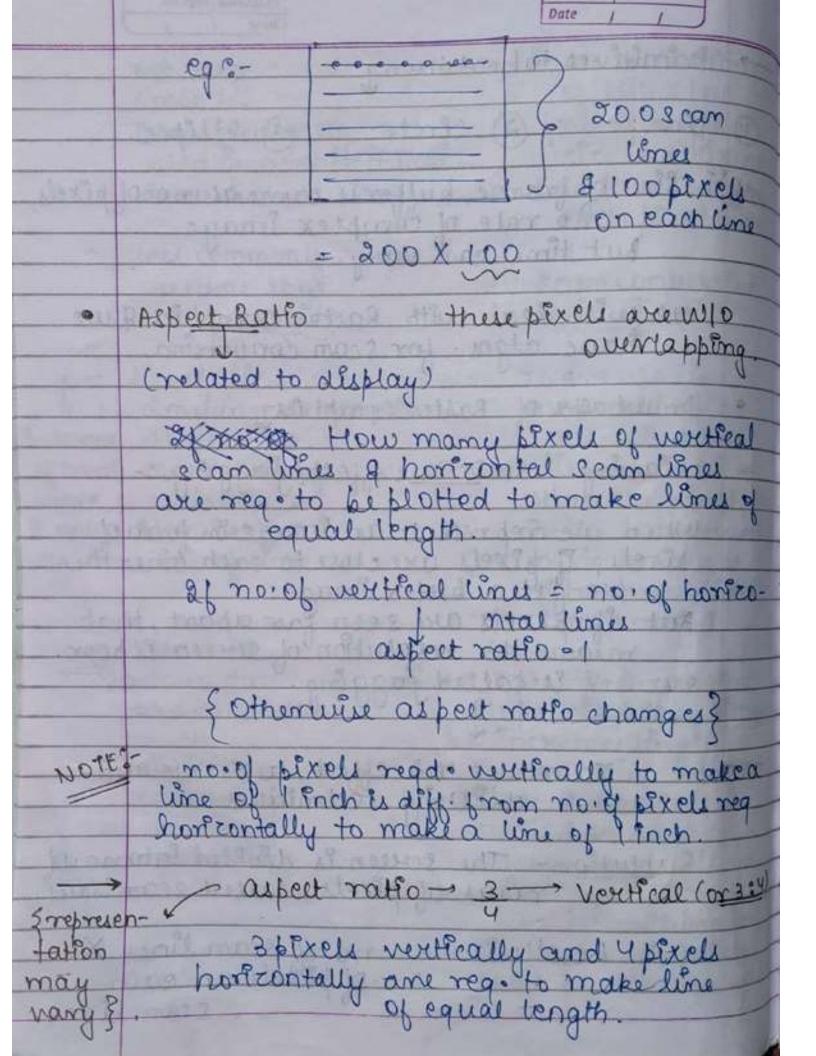
sattern recogonition. adentifying certain common feature gen- 2m a blometrics of fingentrimt every person has doff. fingerprimt, which are made up of pts called "minutae". eg:- Navigators work with help of satellite images which closely matches with images of confusted mayte & free places. Graphice - deals with models and allo deals with eg: Analysis used in stock Interaction. markets amage analyses/ Visualization. Computer Victor-Includes vendering, image analysis, pattern recognition d, mouse) are used to output smages (plotter, printer).



for a resolution not very 00 100 X 100 smooth. frame buffer erze is 100×100 Thus, generally used in architectural and thus it store drawings. each bixel value Less commonly Scan conversion used as their are expensive Site of line To drawa line we need to Kind drawing commands out what str. debends on Enterme of hand complexity of le on line 8 what are pixelph mage. ware in the background 8 not Also, takes a (same technique as lot of time. used to draw lines en graph) colors 8 platterns to Given apts, first we find be drawn ore Slope and they ether much by incrementing afficult as decrementing We find confloaned to raiter would be send as graphic foreground colour ca - Lel eur - James additionalthing in Mary hates 1995 raster graphics. Done by the software

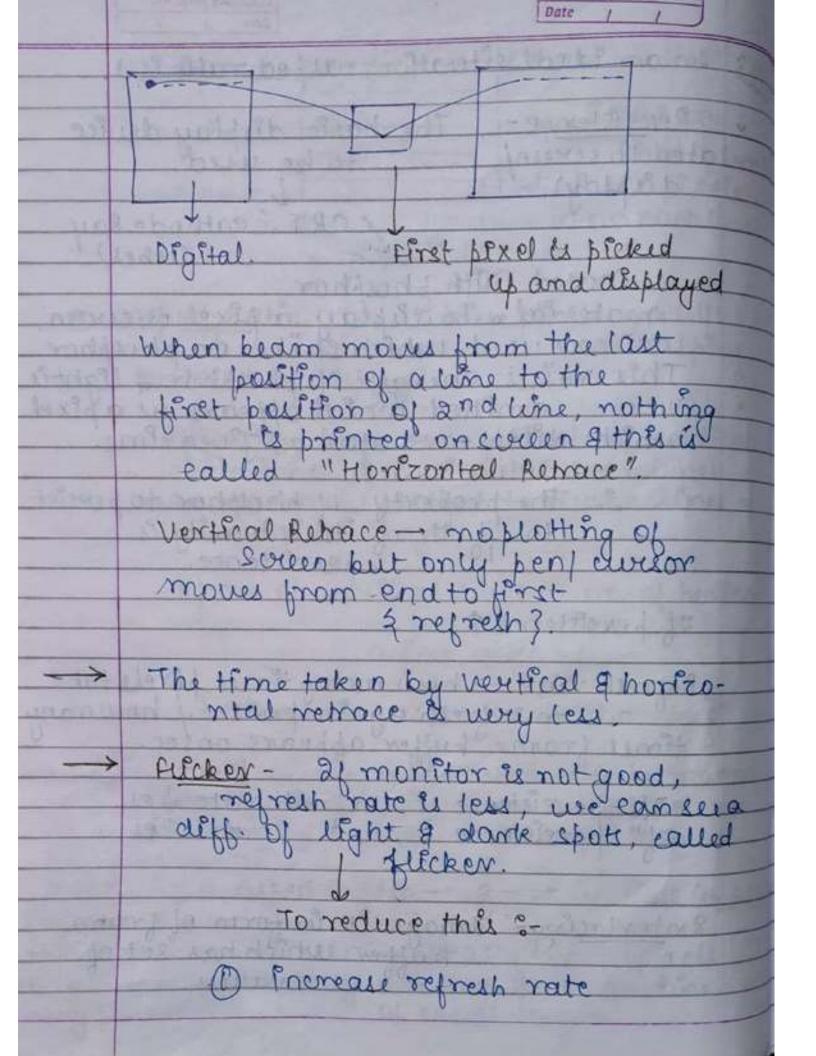
PERMALINE LANGE HOL

		CLASSTIME Page No.	
	Primitives to be drawn 7	20 32 03 E 2	
-	V		
(1)	Une 2 Circle	3 Ellipse.	
107E	" Size of frame buffer is so	ame as no of bixels	
/	Size of frame buffer is so no rate of complex But time can vary.	image	
	but time can vary.		
	We will deal with Raster	r Graphics & we	
100	have algor for scan	conversion.	
0	Drawbacks of Raster Graph	Port -	
100	every the transfer of the second of the seco		
*	aliasing / Stair Case effect	/ jagging :-	
4	When we represent an in	nage im form of	
	strell, il bixels are close	to each other then	
- 027	but if sixels are seen fan apant, that mians the resolution of course is poor. It called jagging.		
	mians the resolution	of could be book.	
	& is called jagging	.0	
	The second of th	ment Sing	
112	To reduce this effect	, we have anti-	
1574	To reduce this effect allasing techr	igues	
	Ruguellon - The ecusion ?	deusded enterned	
PER	Ruguetion- The screen is	called scantinus.	
	Resolution = no.0	xell on each	
	10 0	seem line	



	Date 1
JOTES.	en an Edeal estuation, aspect natio & 1.
	Penetetence- The basic display device
(re	lated to screen to be used
	display).
	CRT (cathode Ray
	Coated wife 11 11
	Coated with phosphor
	material. To duplay a pixel on cure, e are used which strike on phosphor.
	This raises energy of phosphor a lightie
8	emitted which appears as a pexel.
	which disappears after a given time.
1	AT STATE OF THE CONTRACT OF THE PROPERTY OF THE PARTY OF
	The property of phosphor to pensist to 10 th of its intensity & pensistence.
	to I the of its intencity &
-	persistence.
	all last Palacian A
	af penelstence 1
	Relimed mate -> how mains times hexels take
	to retresh again persect how many
	Refresh nate -> how many times pixels take to refresh again pensec. I how many times frame buffer appears onsec.
0	as pensistence 1, represh nate des.
- 4	al pensistence . " " Tes.
	September 1975
	0 1 1 9 0 9 9 9 1 - 11100
	anterlacing- amage is in form of frame
	anterlacing- amage & in form of frame buffer which has set of values.
	Values.

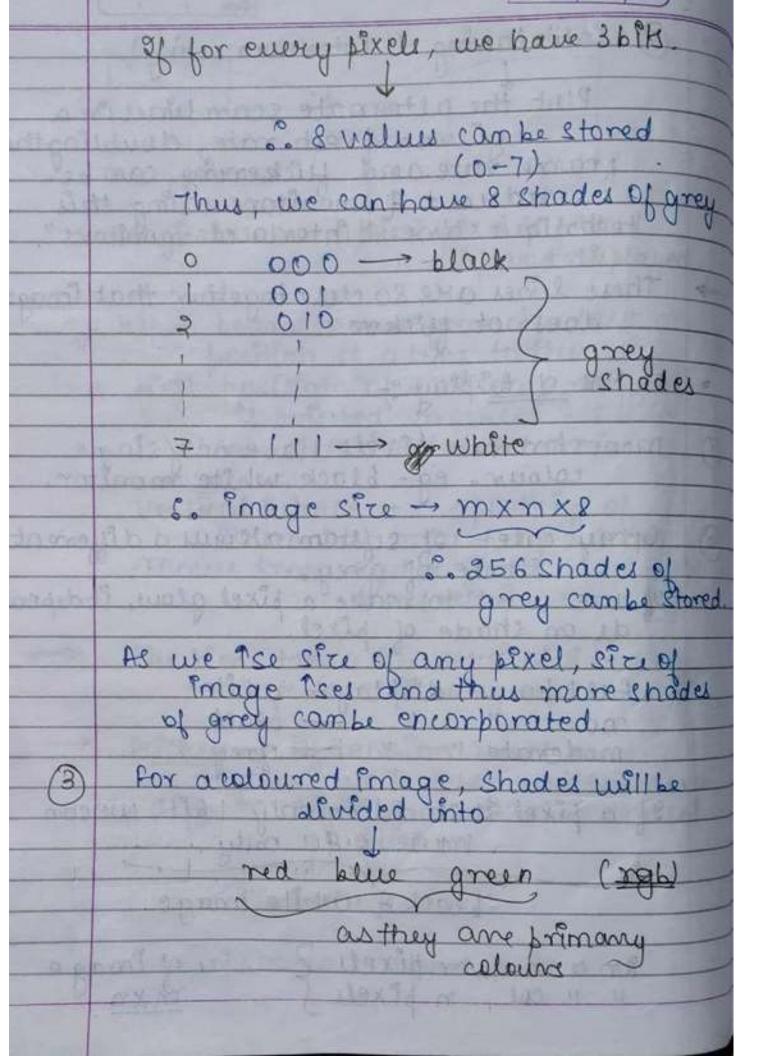
CLASSTIME Page No.



(8) Poterlacing (Poterconnecting) Plot the alternate scan lines in a given refresh rate, doubling the frame rate and fickering can be technique are "Interlaced monitors" These lines are so close together that image does not ficker. Types of Duplay :monochrome- pixels have only single colour. eg-black white monitor.

Grays cale- if system allows a different shade of grey.

If we want to make a fixel glow, it depends on the call hirely. (2) de on shade of pixel full pour display - white no " " black moderate " " — grey. If a pixel is stored in only I bit, we can have 081 only black & white image. an a now, mpixels & stre of image 11 11 col, n pexels (



24 bit eystem] Estant Audion (86/49) , for bune ned bixel 000---, for white pixel If 19 103 ments and I was our north all blue, red, green get value!!! note for a colored image on a grayscale monitor, the monitor displays the image but in grayscale 2) System can etore 2²⁴ pixels but the monitor is not capable of then we use concept of "lookup tables". (at handware level) 26 monitor desplays less coloure but System can store more colour values then we need to match this mismatch display device displays - 212 colour acquired by bixels - 224.

