

24	Scan contession (sasterizing)
	Strumphion: rasser display
	How the secene is loaded?
10.00	- frame byfer
	- pixel patterns
	the said of the control of the state of the state of the
	Point plating
	· Converting a single co-ordinate position furnished by an
	converting a single co-vidinate position furnished by an application program into appropriate operation for the output device in un.
	hine plotting
1 ,	· labulating intermediate positions along the wire path
	blu roso specified endpoints postion
	Vector per pretter or sandown wan dispray: Linearly
	varying horizontal & vertical voltage intensities
	# Pine proving: jaggies (allasing /stackep)
\$	The state of the s
	000
	000
i.	
, , ,	· Noticeable on insterns with low regolution.
31,	· Improve their appearance somewhat by distribuying them
1	on high resolution systems.
	· More effective techniques for smoothing saster lines dre based on adjusting pixel internities along the line path.
	based on adjusting fixel internities along the line path.
	# Dutialianing
	Aliasing: distortion of hisels due to low frequency sampling
	(runder sampling).
	Regged of staintep appearance.

#	Line drawing algorithms
	and intercopt equations
	y=mn+c (Cartenan Prope-17 years)
	y=mn+c (Contain Abhe-intercept equation)
	(2,4)
Company of the Compan	Criver two and point of a segment: (A, y,), (2, y,)
	M = 4 -14 . 1-24 - W2.
	$m = \frac{y_2 - y_1}{y_2 - x_1}, b = y_1 - wa_1$
	IMICEL DA
	As can be set or small has dollerton Don = 14
A Commence of the Commence of	Dy a vertical deflection on tage in
	m > 1
1	My can be set as mall horizontal deflection intrope
	Da of vertical deflection
	1m1 = 1
	Sa = Dy
<u></u>	horizontal and vertical deflection intages are
	equal.
1	saviding.
	of of other
111	of the first hand was an allowards
in the	many the Table of a many law with a series of a
	(104)
VIII 12	Well well
1.1	muling wong
	4-11011
	Arc n-ania)
	Saupling - Incrementing the value on ne areis
	with Dr till we reach the end point.
	Le s consisponding y value is calculated using
	And vice rusa for other axi
	And vice was for other axis
+	

#	DDA algorithm (Digital differential analyzer)				
	Dan comersion line drawing algorism board on either sy of sx.				
	* comple the line at unit intervals in one co-ordinate &				
	bath for the office wordinate.				
	· consider the stoke and ms1; the line is from 19th				
	endpoint to wight and point.				
	- sample at unit a-interval -> Da =1				
	- to compute the = the the				
	- initially, k=1 increment 1 until final enit to reache				
	- m can atro le real no, y-value is approprimated				
	y to nearest integer.				
	Yk=mak+b				
	yer = maler + b				
	= M (NKtl) +b				
	yke, - Yk = W				
	· Commele the stope and my 1, the line is from the				
	left end paint bo night end point				
	- The role is reversed > 24+1 = 21x+1				
	yz = waxtb				
	y worth				
	14×10+1 = M26+1+6				
	3m (Cluft XIZ) = 1				
	The state of the s				
	2) Mett m				
	XIVILE A MANAGEMENT OF THE STATE OF THE STAT				
	we always the second				

	2 Con right to					
Trial Car	- M<=1, +ve ruhe, Dn=-1 7 for right to 7/K+1 = 4/k-m					
	7/K+1 = 4/K-M					
and the second s	- m>1, tre rupe Dy = -1					
-	My 2 Mk - 1/m					
Q.	(6,7)					
	Dew major line from (23) to (8,7) rung					
-	DAA algorehm.					
	the first that the state of the					
	$d\alpha = 8-2 = 4$					
	dy = 7-3=4					
1. S. Y. 1. 1. 1.	M <=1 but horisine					
154 N. A	neps = da = 6					
	Atom = day					
	Fine = dy = 0-67					
	Abrid Yord Anew Your Sound (y)					
	2 5 3 3.67 2 4					
	4 434 5 5.01					
	5 5.01 6 5.18 6					
	6 5.68 7 6. 3 5 7 6					
	7 6.35 & 7:02 8 7					
-						
#	DDA: how and cons					
	· Parter algorithm					
	· Clininates the multiplication by making ruse of					
	- variat couracteration					
	· Accumulation of round-offerer. Commaked prises					
	y win in com curr number of my free 1,500					
	Rolliday & floating hour outhwell and time					
	and I'm into buteger & franking all					
The state of the s						
	from an constitution are traded to the					
	operations.					
4.3						

	Class	mate
\bigcirc	Date	
8	Page	

Breignham's / algorithm	
Bresenham's algorithm	raster

Draw straighthe from 123 to (128) ming DDA

$$\frac{9n - 12 - 2 - 10}{4 - 12 - 10}$$
 $\frac{3n - 12 - 2 - 10}{4 - 12 - 10}$
 $\frac{3n - 12 - 2 - 10}{4 - 12 - 10}$

m < = 1 bm - fre

Steps = .10

your dy = 0.6

Nord	You	1 new	Thew	cal bruch	willy)
2014	3	3	3.5	13	4
3	3.5	4	4	4	4
4	4	5	4.5	5	5
5	4.5	6	5	6	5
1	5	7	5.5	7	b
7	5.5	<u> </u>	6	В	6
g	6.0	9	6.5	9	7
g	6.5	10	7	10	7
10	7/11	10	7-5	U	B
11	7.5	12	8	12	8
			- 4		!