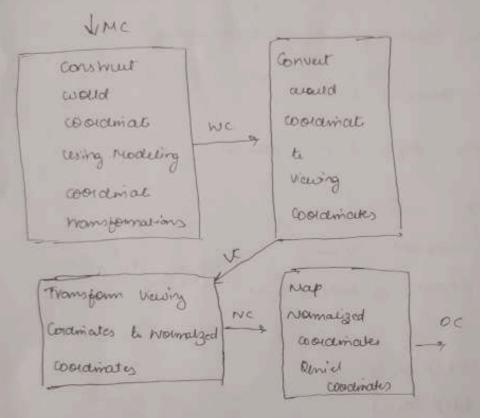
1 20 pipe eine

M. Mohit levishna 1842005105



- thame for openitying clipping window.
- -) depline ou normalized coordinates in the range from others.

 Others used a normalized variet from -1 to 1
 - -> clipping is usually payomed in the homalized coordinates

- 3 different light of right
 - ambient eighting rejected on the natural dighting
 - -> Rigousian the autiplicial light.
 - opened or digrity Reger to the object -

gamb: KaTa - 1

Ka : ambient reglessivity.

Ea: intendity of ambient eight

ohm i larly

2 dito - td 1 p coo (0) - 0

· top (N. L)

Espec = KbIL Good

. The Phong model gives the equation of the

all combined

Total intensity 1=tata + td 1 plood + to 1 1 comp

alphy homogenous Cooldinate for translation, rotation and Stating via matrix representation -4 the Matrix Representations of manulation, Rotation & dealing au P' = P+T Mondation P' = [x] + [+x] Rotation $P' = \begin{bmatrix} 2 \\ 5 \end{bmatrix} = \begin{bmatrix} 0000 & 000 \end{bmatrix} \begin{bmatrix} 2 \\ 3 \end{bmatrix}$ stating P' = [St 0] [] americ @ = S-P P : H; + P + H2 But a = 2h 1 4 = 4h

> h = 1 consider (nta, hts, h)

homslation [3] - [0, ty] [y]

Rotation [3] - [SX 00] [3]

scarg [31] = [200 - 200 0] [4]

3 Digguence between Rash and Random olcom displays.

Raster doom

- 1) produces jagged lines
 that an plotted as a
 distret point dels.
- 2) Los lapensiue
- 3) Modification distinct
- us Resolution low
- s) dolid pattern in easy to fine.

Romdom deom

- 1) Ramour olyptem moders amounts
 - 2) Mor expension
- 3) Hoai filation easy
- 4) Rosulton ligh.
- 5) dolla parlem in difficult
- (5) Remonstrate open GL gunctions for wridow Homogenere using GLUI.
- · glut Creats window word to Growth a new window.
- · glut (resitions window used to (reat mother window within
- · glut olet window cered to det on particular is for the window.

gut Bustray window - 40 delete the window that was Greated.

• feet Past Bedisplay - 40 delete the window again & again,

Centrally until focusty closed.

· glut Resnaps window - world par transformation of world

Coolamate view Coolamates and

Olisplaying it.

gut four diren - To vepresent whichow in fundamen Hoa.

gut pop window I gut usu whichow - worlds Just like it or matrix

on whichow.

- gut tude window 10 hide the window from bern displayed an usur.
- · glut produptag Fare 70 display
- gut Mom deop
- · mi+c)
- . open & L videbilly Deleute in Functions.

@ open at poryour cours bunchions Rumone bout four, front four of on Object.

of Emasa (GL_CULL_FACE) fruit fair (modes); design [UT - CALL - BACES!

6 Reptin - Buffer Gencion Suttent explay Hode (GLUT_SINGLEY

CLUT-RUB / GLUT-DEPTH)

& CLEON (GL. DEPTH - BUFFER BIT)

This wolls as mindly gatin function for output outper and region dupoe.

of Dupth Ronge (near room Dupth, bou number th)

of clear (GL_DEPH - BUFFER -BIT)

of claer DEPHH (MONDEPHH) 81 Enable (GL-DEATH-TEST)

Stopper (BL-DEPTH-TEST)

6 Open & L wite from Surface Visiblety nutrods

visible & Lidden edge display-

3) pocyson Hode (GL RAONT - AND_BACK, GL-LINE)

open GI Depth Curry Ins.

glfodi (GL-FOG-MODE, GL-LNEAK)

9 Brable (GL_ EOG)

- 90 makes a device the highman.

but official cases discussed with puspellin mojection.

Consider

openia caxo

$$xp = x\left(\frac{2pxp - 2xp}{2pxp - 2}\right)$$

$$yp = y\left(\frac{2\pi p}{2}\right)$$

(8) Explain Normalijastan for an onthogonal projection

etthogonal majustin van

volum

(1.1.)

2n In

Normalized violen

· col Consider a curit cube for this normalized view valence with each 1/19/12 ac-ordernates normalized in the vary

normalization transformation approach is to un immetric cube with coordinates -1 to 1-: we get the normalization transformation to the oursegural View Volum. 0 0 MI OLHO , NOm : 0 0 0 -2 2mon - 2 for 0 - 2 woman + Xwmin - yournan + yourn Summer & Swamper

2 near + 2 for

2000 - for

a) Employin Boxies Currue and its propulses with aquaria-

Bonice Curves One parameteric Curve that are generated with the keep of command tombs. It is evidely used in

grapmin and other related midushy

. They are named ofter he funch organics place soulce

cedus discoverced it

5" P. B. 7 (+)

t = vaulable

n- polynomial disples

Bin (+) represents Barnstoni polymonial I miden .

Bin(+) = (i) (1-+)n-++i

they are be of 2 - Central points - lincon curve

3 - Control points _ cutic Curu.

of limited points -quadratic luxur.

his used the obow mentioned formed as being current · (U(1) * (1-t) n-t t' + for every point.

n - Connor Points number -1 f : 0 -1 (Romye)

dutherland limi ceipping ayalkan.

Johan - deather land adjocithm walls on Region cook

· Region 1000ls is 20 - bit cools.

(ABRL)

(TBRL) - TOP BOHOM, Right, Keft.

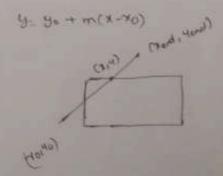
1001	1000	1010
0001	0000	0100
0/01	0/00	0110

for a line - (to, 40) be (send, 4000)

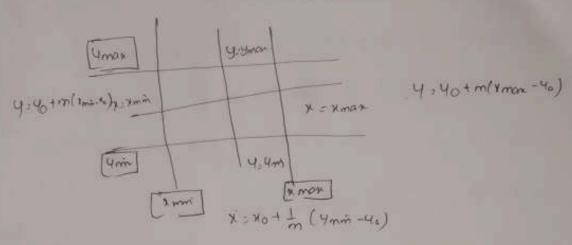
m = (9-50) / (2-x0)

m(x-x0) (4-40)

x = 20 + (4-40)/m



a = xo + ym (ymon - yo)



thus, the about formulas to be applied when a particular reads to be dipped.