MARIMARAN BP 39110**3**73

COMPUTER GRAPHICS & MULTIMEDIA - ASSIGNMENT-IT

Shearing

A(0,6,2); B(6,6,6); C(6,0,1); D(0,0,0)

Constructive Solid geometry

Center of projection

It is a method for representing shapes wring the

vy s: xu, Yu, 2a

ns: x21 1252

Thu operate on object data

@ @ V1: K1, Y1, Z1

V2: 42, 42, Z2

V3: X3, Y3, Z3

Image space method Object Spau method

3) Operate en continuous object data

Con we enlayed without (1) Lot of calculations is

maye is too large to En dar enlage

wing accuracy

They are used in 2-ways.

- (1) Translation at Sweep
- >> Defin a shape as polygon western
- > Deline a sweep path on a sequence of

3 Translate the shape; continue building a

verter

- > Defin a surface
- (1) Rotational Surry
- >> Dubin a shape as a pulygon
- Defin a sump path on a sequence of votations
- -> Restate the shape.
- En Q; N; not (\$) = En Pu Bu (t) (=) 9; = j & Pj-1+ (141-j P;

ir the degree divotion formula for Begier Curve.

$$g(u) = f_0 f_0 f_0$$
 $g(u) = f_0 f_0 f_0$
 $g(u) = f_0 f_0 f_0$

$$y(u) = y_0 B_0, 2 + y_1 B_1 2 + y_2 B_2 2 B_0, 2 + y_1 B_1 2 B_0, 2 + y_2 B_2 2 B_0, 2 + y_2 B_0$$

$$y(u) = y_0(1-u) + x_1(1-u) + x_1 u^2$$

 $y(u) = y_0(1-u)^2 + y_1 2u(1-u) + x_1 u^2$

(or

$$= 2(1-11) + (64) + 164 - 124^{2}$$

$$= 2(1-11) + (64) + 164 - 124^{2}$$

$$y(u) = 2 - 10u^2 + 12u$$

$$y(y) = z - 10u^{2} + 12u$$

$$\frac{1}{2} \frac{1}{2} \frac{1$$

$$\frac{111}{2(0.6)} = 2 - 6$$

$$\frac{10.54}{10.6} = 444(0.6)^{2} + 8(0.6)$$

M=08	М	n(u)	y (u)	
a (0.8) = 12.96	ව	4	2_	
y(0.8) = 5.2	072	5-26	4	
	0.4	7-84	5-2	
y(1) = 2 M	0.6	1024	2-6	
Bezier (urr)	0.8	12.96	5-2	
20(4,2); P(8,8); }	1	16	4	
P2 (1614)				
7				
6				
(5.714) (10.4(.6))				
3 +				
(Polan)				
123456	7	8 9 10 11	12 13 14	15 16