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pt. No.

Page No. program 12 write a program to construct Bezich curve. control points are supplied through keyboard mouse. #Include Ciostreamy # include < mathony # include < gilglur.n7 Wing namespace Std; float f, 9, 7, x1(4), vel 4]; ind Hag = 01 void mysters 91 Charlotor (1,1,1,1); 91 color 3/ (1,1,1); glpointsize (5); gluorthoan (0,500,0,500); void drawpixel (float x, float y) & glagin (ar-points): gluaterage (x,y); gladis

```
void display (7%
   glaca CGL-COLOR_BUHER_BED);
    intil apprelation of agricult brigain our
    double t;
    91(01073/10,0,0);
   3 | Begin (GL POINTS);
                         Yell to Lie Lie Nabulti-1 &
  for (t=0; t<1; t=t+0.005) {
aouble x+=pow(1-t,3) * x1(0) +3*+ +pow(1-+,2)* x(1)+3
     * pow(+;2) *(1-4) * x1[2] + pow(+,3) * x187;
 double yt = pow(1-t, 3) * y(10)+3 * = * * pow(1-t,2)
         * · YC[]+3 * pow(+,2) *(1-f)* yc[1]+powl+3)
                                       *yc[s];
           dontrat (xh. 4x)
9 (Color 2) (1,1,0);
 for (1=0;1e4;14+)(
          glunter of (x1013, yel 11);
          91 Ad19;
         91 Flush 17;
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Expt. No	Page 1 Control of the	ge No.
	void mymouse (int btn, int state, int x, int	y)
	ર્વ	
	if (btn = 2 GLUT - LEFT_BUTTON 44 Start = = 4	CUT-DOW N41
	plag (4)	
	⁴	5
	x(Hag) = Y	
	4c[Hag]=500-4;	χ.
	Cout ccux 111 ccxcc 117111 << 50	0-73
	g points(2(19)!	
	g1color 3x (1,1,0);	
	glisegin (Gr-points);	
	91vuter 21 (x, 500-4);	
	91 End ();	
	9 (Plush () ;	
	plaget ;	
	3	
	if (plag)= 4 44 brn == GLUT_LEFT_BUTTON)
	{	
	g(color3 (0,0,D)	
	display();	
	play=0;	
	3	
	j	
		ALVE VIEW

int main (Int alg (, char# argu()) i g luton + (targe, argv)?

glue titoliplay mode (heur SINGLE (GLUT RUB); gluthithomdowsial (500, 500); gluttrithwindowposition (0,0); gluttouse Punc (my mouse); my Britton glutmainLoopes;

glut DittDiplaymode (blue_SINBLE (blue_RhB);
glut Dilthoindows 121 (500, 500);
glut Dilthoindows 121 (500, 500);
glut Dilthoindows Post Hon (0,0);
glut Mouse Func (my mouse);
my 301+10;
glut mais Loop();

Sicolor of (11,10);

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Sicolor of (11,10);

Sicolor of (11,10);

Sicolor of (11,100);

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Thursday,

OUTPUT:



