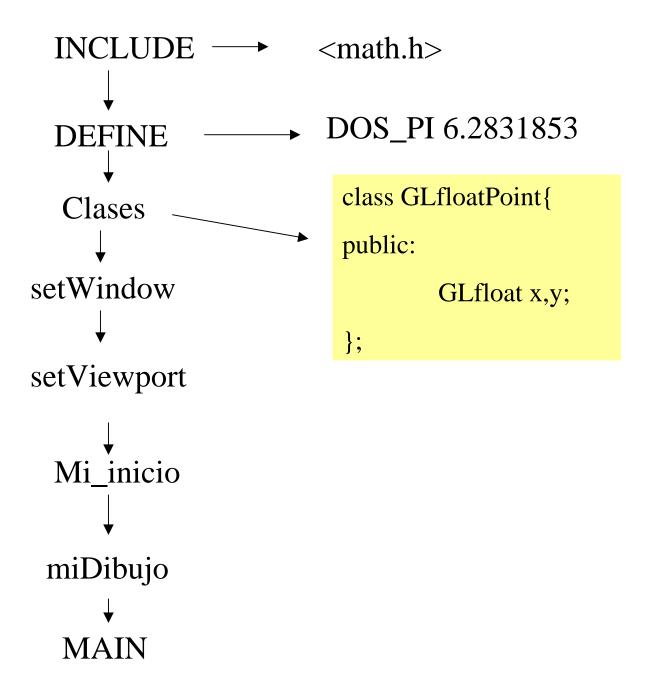
Prácitca 3_7



```
void miDibujo(void)
GLfloatPoint C;
GLfloatPoint centro[5]={
\{-70.0f, -30.0f\}, \{-8.0f, 0.0f\}, \{40.0f, -30.0f\}, \{55.0f, -30.0f\}, \{-50.0f, 45.0f\}
         GLfloat theta=0.0f,dtheta;
         GLfloat a[5]= { \{5.0f\}, \{20.0f\}, \{30.0f\}, \{30.0f\}, \{40.0f\}\};
         GLfloat b = -7.0f;
         GLint i;
         GLdouble r;
         glClear(GL_COLOR_BUFFER_BIT);
                                                         // Limpia la ventana
```

```
//Generacion de las curvas paramétrica
           for(i=0;i<5;i++)
           glBegin(GL_LINE_STRIP);
           dtheta = 1.0f/(float) a[i];
           theta =0.0f;
           while (theta <= DOS PI+dtheta){
           switch(i){
           case (0): \{ r = a[i] * theta; \}
                                                   glColor3f(1.0f,0.0f,0.0f);} break;
           case (1): \{ r = a[i] * cos (theta) + b; \}
                                                   glColor3f(0.0f,1.0f,0.0f);} break;
           case (2): { r = a[i] * (1 + cos (theta)); glColor3f(0.0f, 0.0f, 1.0f);} break;
           case (3): { r = a[i] * cos (3 * theta);
                                                   glColor3f(0.0f,0.8f,1.0f);} break;
           case (4): \{ r = a[i] * cos (2 * theta); \}
                                                   glColor3f(0.0f,0.0f,0.0f);} break;
           C.x = (centro[i].x + r * cos (theta));
           C.y = (centro[i].y + r * sin(theta));
                                 glVertex2f(C.x, C.y);
                                 theta += dtheta;
                         glEnd();
           } glFlush();
```