```
//GAUSS
#include <graphics.h>
#include <stdlib.h>
#include <stdio.h>
#include <conio.h>
#include <math.h>
float Xr,Yr,Xr_min,Xr_max,Yr_min,Yr_max,a,b,c,d,past,t,pasu,u,pasv,v;
int XE_min=0,XE_max,YE_min=0,YE_max;
float Sx,Sy,f=1./2.,o=M_PI/4,R=10,r=3,d1=2;

int XE(double Xr){
  return XE_min+Sx*(Xr-Xr_min);
}

int YE(double Yr){
  return YE_max-Sy*(Yr-Yr_min);
  }
double XP(double x,double y,double z){    //oyz:    y
 return y-f*x*cos(o);                                 //oxy:     x
 }                                        //oxz:     z
double YP(double x,double y,double z){    //oxy:    y
 return  z-f*x*sin(o);                               //oyz:     z
}                                         //oxz:     x

double f1(double u,double v){

   return u;
}
double f2(double u,double v){
    return v;
}
double f3(double u,double v){
    return 2* exp(-(u*u+v*v));
}

void main(void)
{
   double u_min=-2,u_max=2;
   double v_min=-2,v_max=2;
/*   printf("dati pc a :");
   scanf("%f",&a);
   printf("dati pc b:");
   scanf("%f",&b);
   printf("dati pc c :");
   scanf("%f",&c);
   printf("dati pc d:");
   scanf("%f",&d);  */

   int gdriver = DETECT, gmode;
   initgraph(&gdriver, &gmode, "C:\\tC\\BGI ");
   Xr_min=-4;
   Xr_max=4;
    Yr_min=-4;
   Yr_max=4;
   XE_max=getmaxy();
   YE_max=getmaxy();
   Sx=(XE_max-XE_min)/(Xr_max-Xr_min);
```