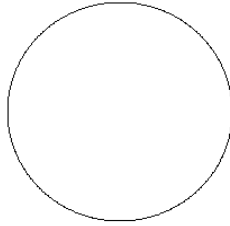
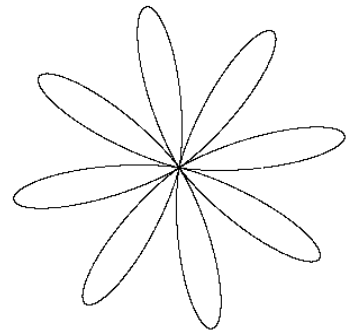


Cum sa desenam flori cu ajutorul functiilor trigonometrice

Ec. cercului
 $x^2+y^2=r^2 \quad r=cst$

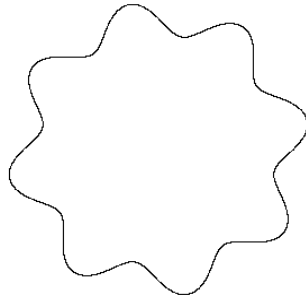


$x=r \cdot \cos(t)$
 $y=r \cdot \sin(t)$
 $t \in [0, 2\pi]$,
 $r=R(1+\sin(8t))$
 $R=cst$

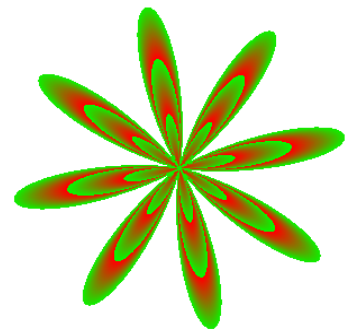


Ec. parametrice
 $x=r \cdot \cos(t)$
 $y=r \cdot \sin(t)$
 $t \in [0, 2\pi]$, $r=cst$

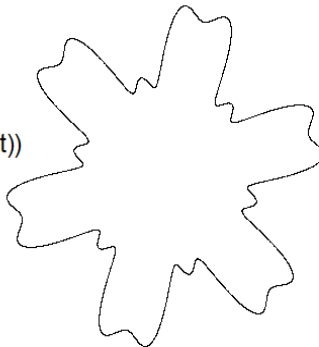
$x=r \cdot \cos(t)$
 $y=r \cdot \sin(t)$
 $t \in [0, 2\pi]$,
 $r=R+\sin(8t)$
 $R=cst$



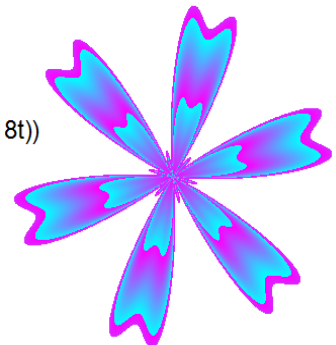
$x=r \cdot \cos(t)$
 $y=r \cdot \sin(t)$
 $t \in [0, 2\pi]$,
 $r=R(1+\sin(8t))$
 $R \in [0, R_1]$
 $R_1=cst$



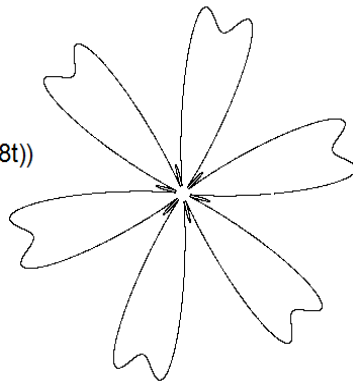
$x=r \cdot \cos(t)$
 $y=r \cdot \sin(t)$
 $t \in [0, 2\pi]$,
 $r=R(1+0.3\sin(6t)+0.1\sin(18t))$
 $R=cst$



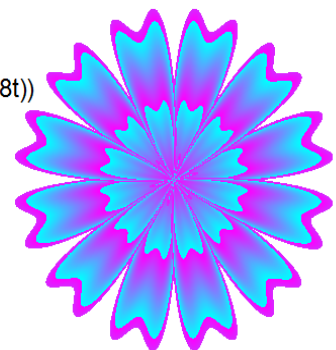
$x=r \cdot \cos(t)$
 $y=r \cdot \sin(t)$
 $t \in [0, 2\pi]$,
 $r=R(1+\sin(6t)+0.3\sin(18t))$
 $R \in [0, R_1]$
 $R_1=cst$



$x=r \cdot \cos(t)$
 $y=r \cdot \sin(t)$
 $t \in [0, 2\pi]$,
 $r=R(1+\sin(6t)+0.3\sin(18t))$
 $R=cst$



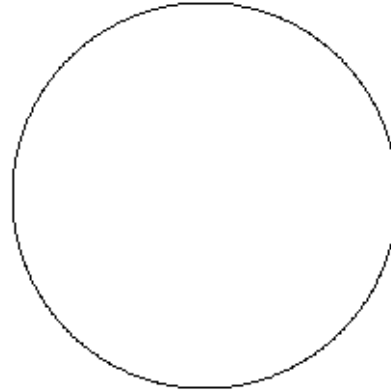
$x=r \cdot \cos(t+0.52)$
 $y=r \cdot \sin(t+0.52)$
 $t \in [0, 2\pi]$,
 $r=R(1+\sin(6t)+0.3\sin(18t))$
 $R \in [0, R_1]$
 $R_1=cst$



```

float x,y,t,r=10,d=10,cx=400,cy=250;
for(t=0;t<=6.28;t+=0.01)
{
  x=r*cos(t);
  y=r*sin(t);
  pDC->SetPixel(x*d+cx,-y*d+cy,RGB(0,0,0));
}

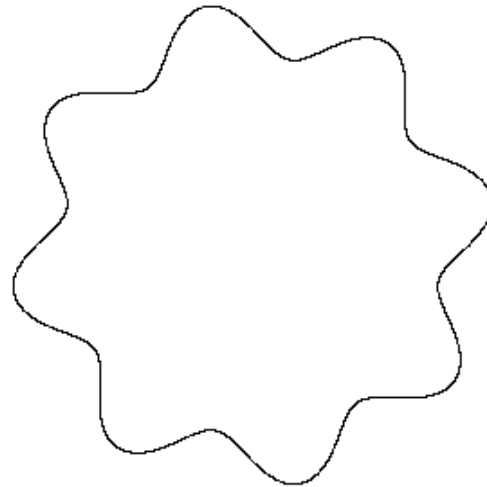
```



```

float x,y,t,r=8,d=15,cx=400,cy=250,r1;
for(t=0;t<=6.28;t+=0.0005)
{
  r1=r+sin(8*t);
  x=r1*cos(t);
  y=r1*sin(t);
  pDC->SetPixel(x*d+cx,-y*d+cy,RGB(0,0,0));
}

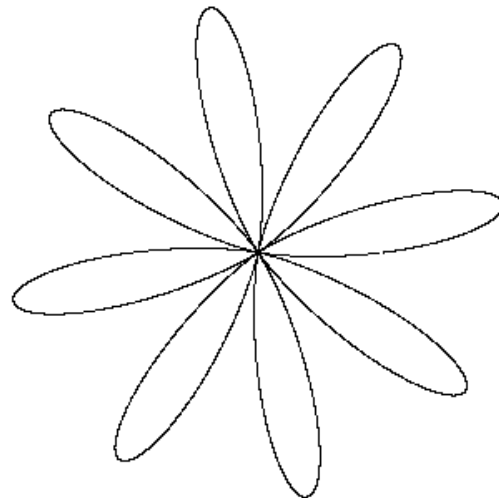
```



```

float x,y,t,r=5,d=15,cx=400,cy=250,r1;
for(t=0;t<=6.28;t+=0.0005)
{
  r1=r*(1+sin(8*t));
  x=r1*cos(t);
  y=r1*sin(t);
  pDC->SetPixel(x*d+cx,-y*d+cy,RGB(0,0,0));
}

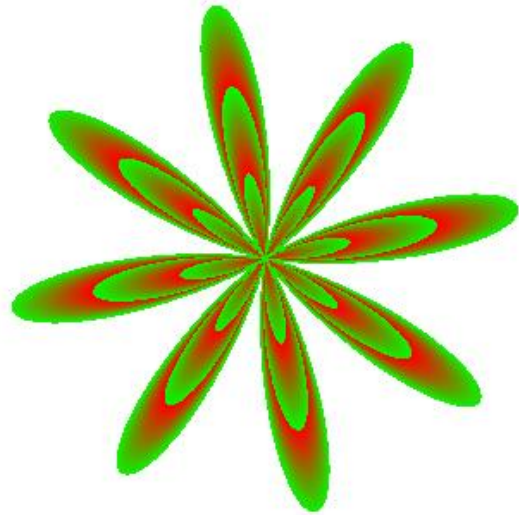
```



```

float x,y,t,r,d=15,cx=400,cy=250,a,r1;
for(r=0;r<=5;r+=0.03)
  for(t=0;t<=6.28;t+=0.0005)
  {
    r1=r*(1+sin(8*t));
    x=r1*cos(t);
    y=r1*sin(t);
    pDC->SetPixel(x*d+cx,-y*d+cy,
      RGB(255-r*150,r*150,0));
  }

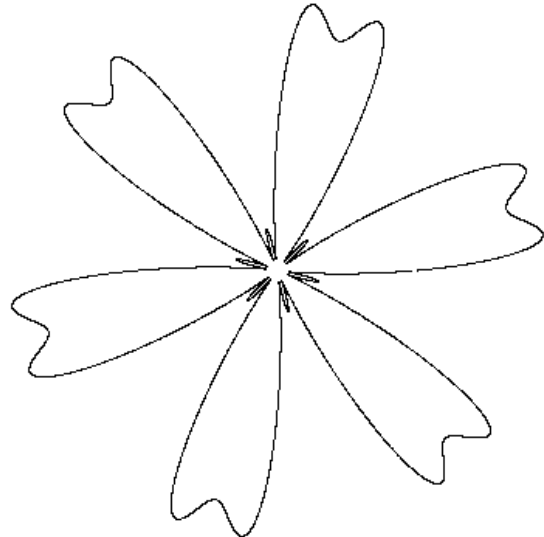
```



```

float x,y,t,r=9,d=10,cx=400,cy=250,r1;
for(t=0;t<=6.28;t+=0.0005)
{
  r1 = r*(1+sin(6*t)+0.3*sin(18*t));
  x=r1*cos(t);
  y=r1*sin(t);
  pDC->SetPixel(x*d+cx,-y*d+cy,RGB(0,0,0));
}

```



```

float x,y,t,r=9,d=15,cx=400,cy=250,a,r1;
for(r=0;r<=5.5;r+=0.03)
  for(t=0;t<=6.28;t+=0.0005)
  {
    r1 = r*(1+sin(6*t)+0.3*sin(18*t));
    x=r1*cos(t);
    y=r1*sin(t);
    pDC->SetPixel(x*d+cx,-y*d+cy,
      RGB(255-r*100,r*100,255));
  }

```

