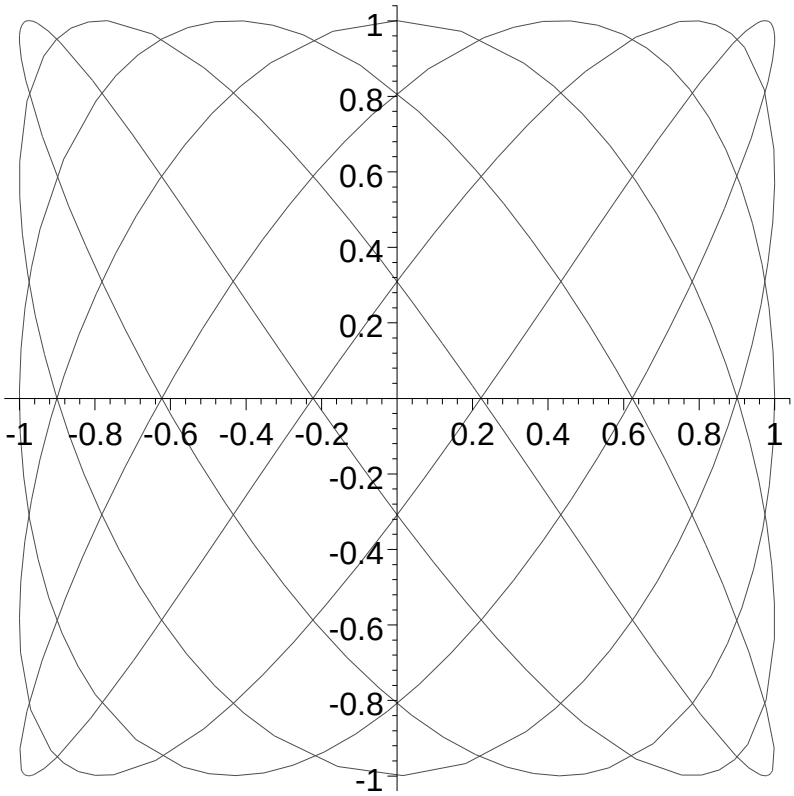
```
> m:=5;n:=7;
```

$$m := 5$$

$$n := 7$$

```
> plot([sin(m*t),cos(n*t),t=0..2*Pi],scaling=
  constrained);
```

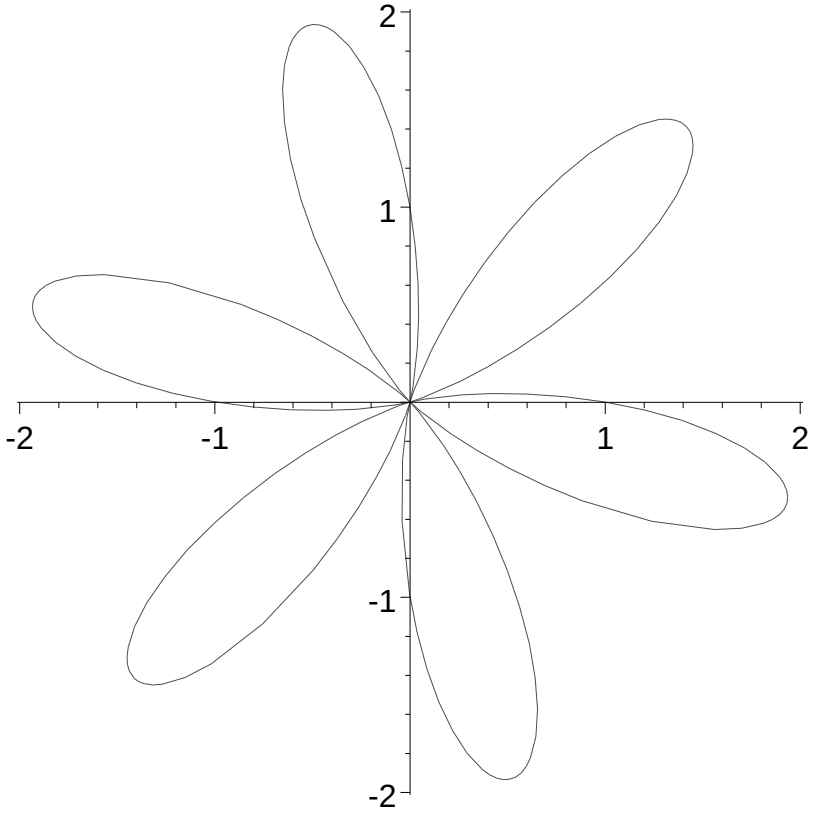



```
> c:=1;n:=6;
```

$$c := 1$$

$$n := 6$$

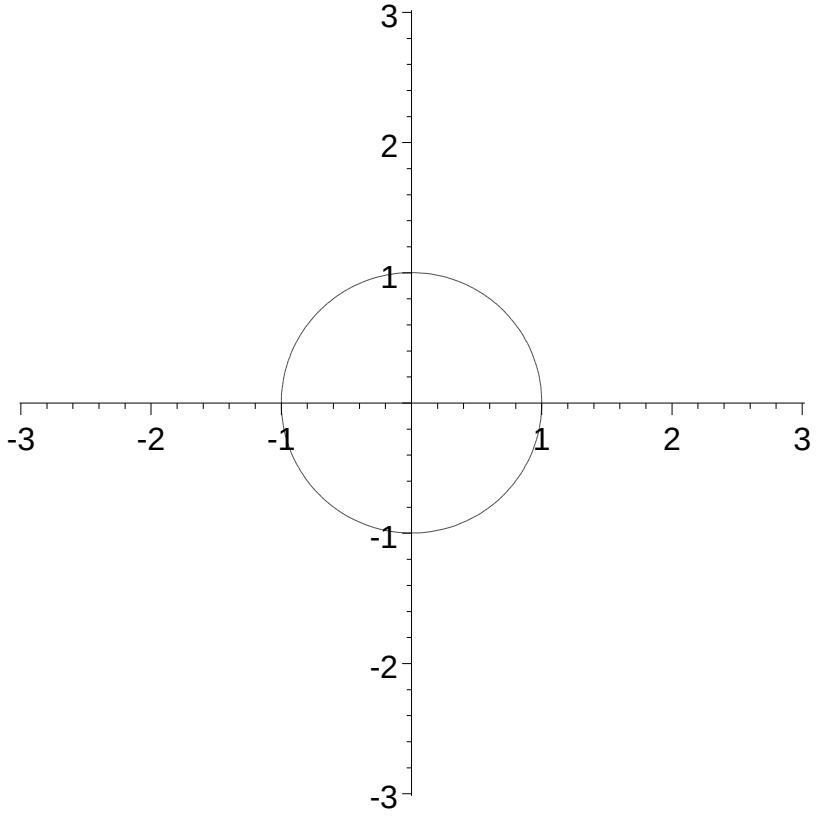
```
> plot([1-c*sin(n*t),t,t=0..2*Pi],coords=pola
  r,scaling=constrained);
```



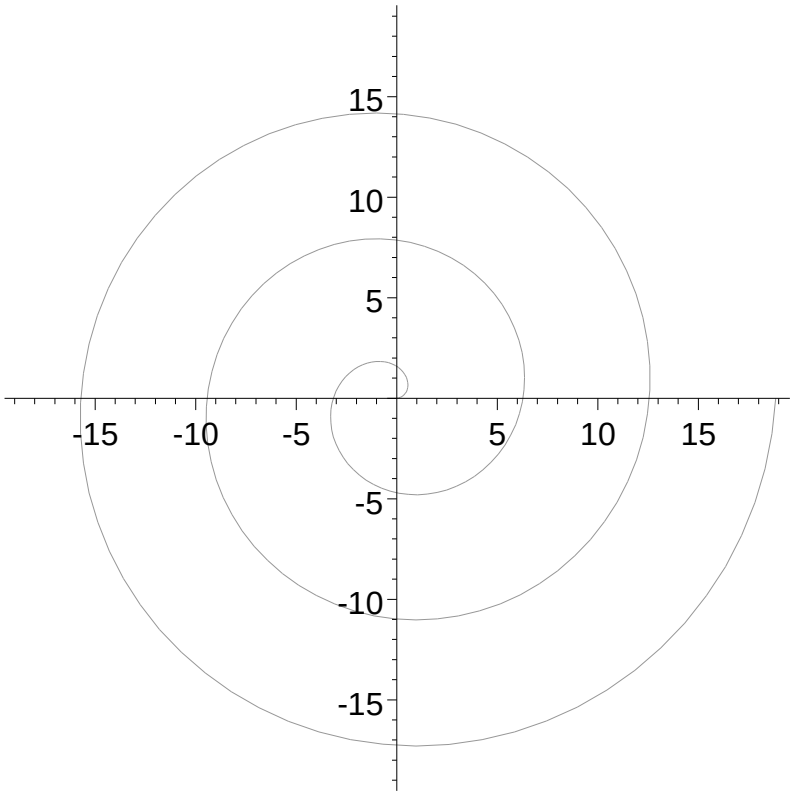

```
> c:='c';
```

$$c := c$$

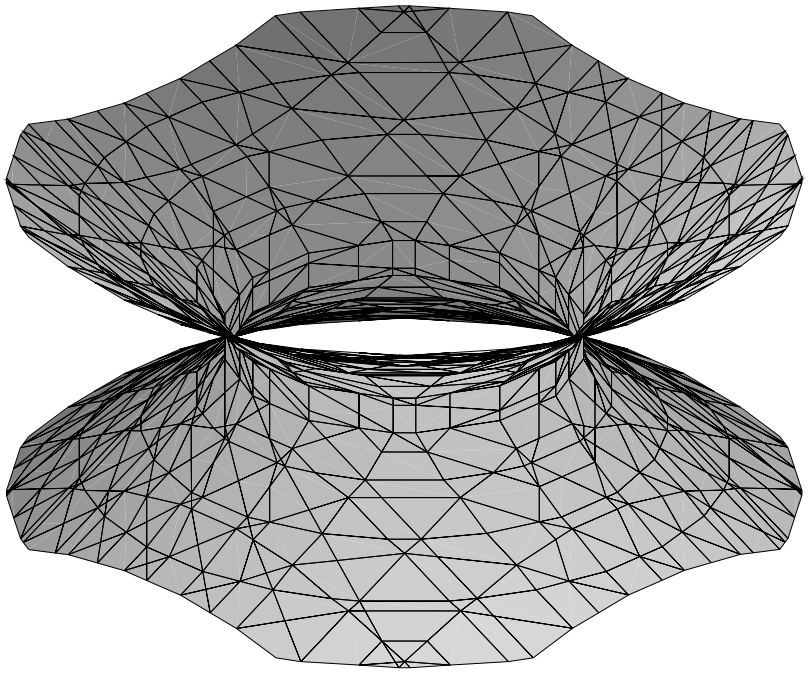
```
> with(plots):
> animate([1-c*sin(6*t),t,t=0..2*Pi],c=0..2,c
  oords=polar,frames=50,numpoints=200,scaling
  =constrained);
```



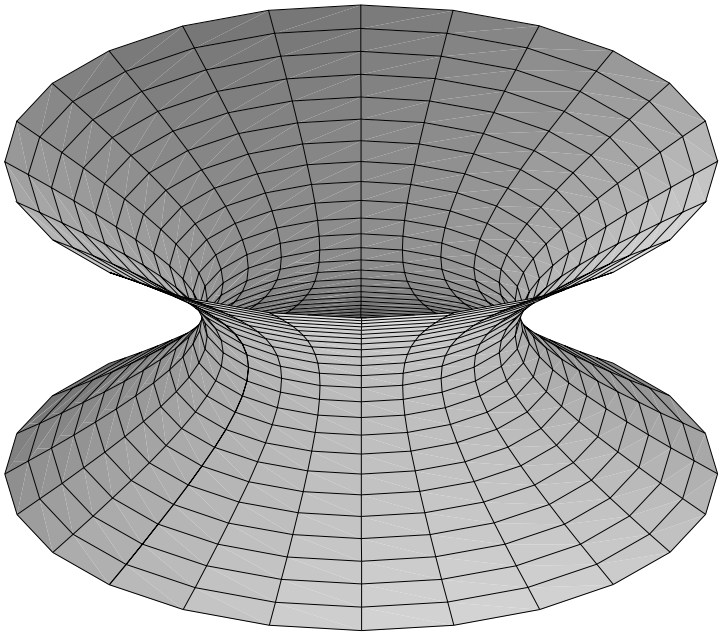

```
> animate([t,t-c,t=0..6*Pi],c=0..2*Pi,coords=
  polar,frames=50,scaling=constrained,numpoin
  ts=200);
```



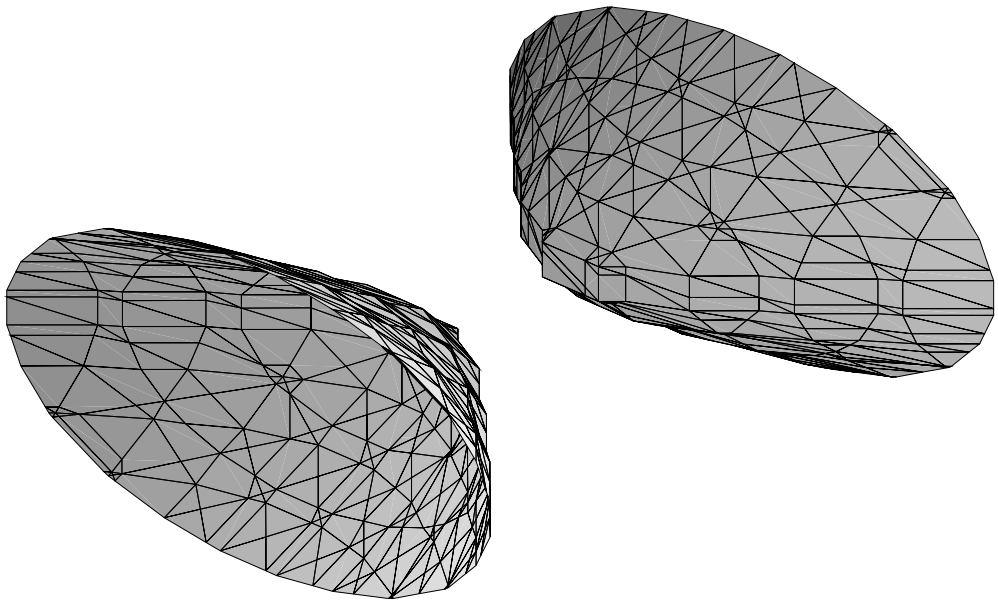

```
> implicitplot3d(x^2+y^2-z^2=1,x=-2..2,y=-2..
  2,z=-2..2);
```



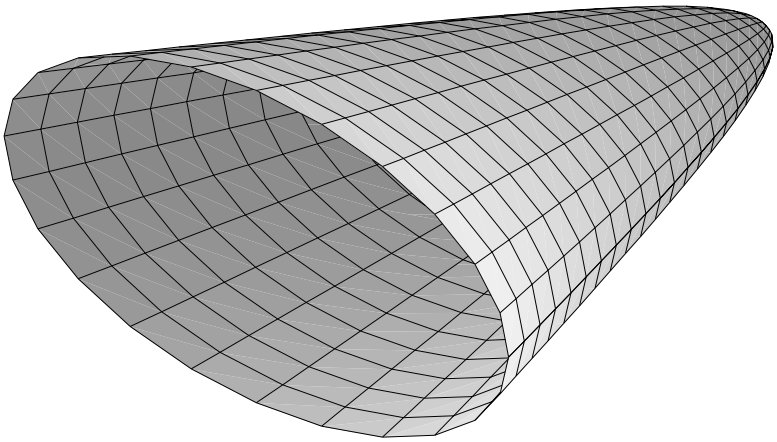
```
> plot3d([sqrt(1+z^2)*cos(t),sqrt(1+z^2)*sin(
  t),z],t=0..2*Pi,z=-2..2);
```



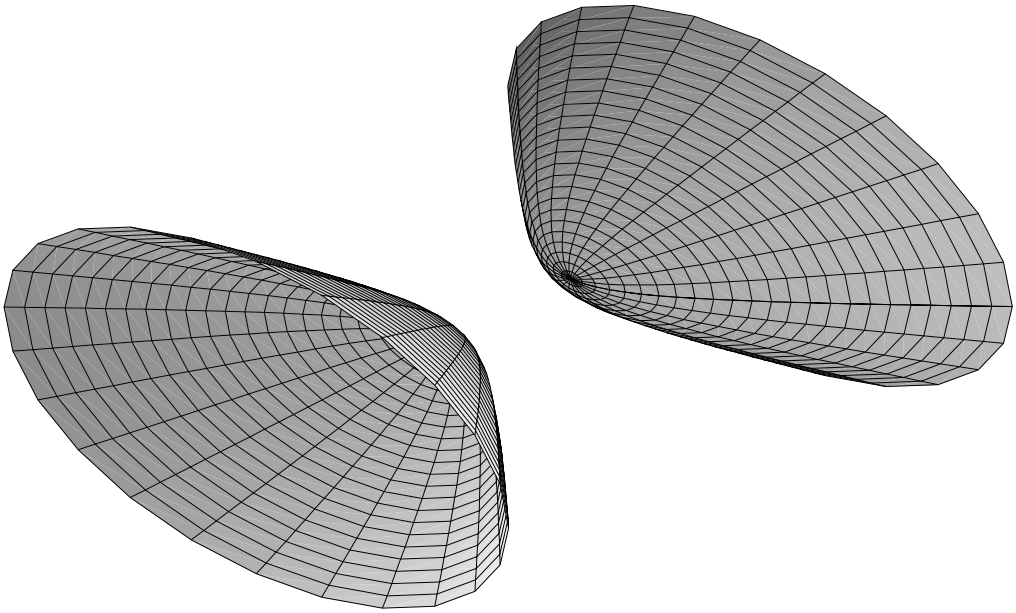
```
> implicitplot3d(x^2-y^2-z^2=1,x=-4..4,y=-4..
  4,z=-4..4);
```



```
> plot3d([sqrt(1+r^2),r*cos(t),r*sin(t)],t=0.
  .2*Pi,r=0..sqrt(15));
```



```
> p1:=plot3d([sqrt(1+r^2),r*cos(t),r*sin(t)],
  t=0..2*Pi,r=0..sqrt(15)):
> p2:=plot3d([-sqrt(1+r^2),r*cos(t),r*sin(t)]
  ,t=0..2*Pi,r=0..sqrt(15)):
> display([p1,p2]);
```



```
> R:=5;r:=2;n:=8;
```

$$R := 5$$

$$r := 2$$

$$n := 8$$

```
> torus:=[(R+r*cos(t))*cos(s),(R+r*cos(t))*si
  n(s),r*sin(t)];
```

$$torus := [(5 + 2\cos(t))\cos(s), (5 + 2\cos(t))\sin(s), 2\sin(t)]$$

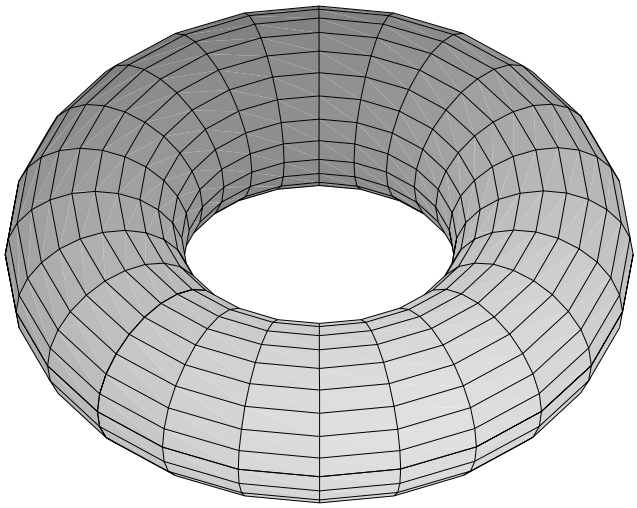
```
> curve:=subs(t=n*s,torus);
```

$$curve :=$$

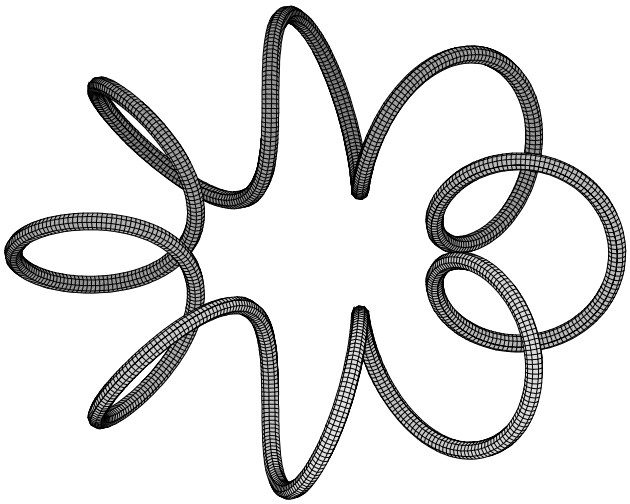
$$[(5 + 2\cos(8\,s))\cos(s), (5 + 2\cos(8\,s))\sin(s), 2\sin(8\,s)]$$

```
> p3:=plot3d(torus,t=0..2*Pi,s=0..2*Pi,scalin
```

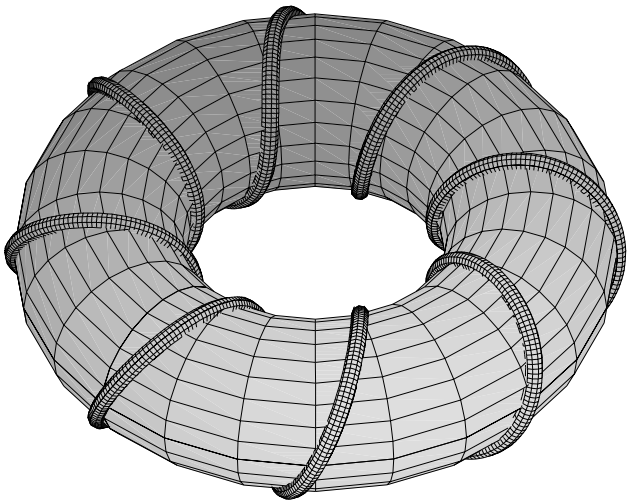
```
   g=constrained):
> plot3d(torus,t=0..2*Pi,s=0..2*Pi,scaling=co
   nstrained);
```



```
> p4:=tubeplot(curve,s=0..2*Pi,radius=0.2,sca
   ling=constrained,numpoints=1000):
> tubeplot(curve,s=0..2*Pi,radius=0.2,scaling
   =constrained,numpoints=1000);
```



```
> display([p3,p4]);
```



>