Lístky a lístečky $r := 2\cos(3\,t)$

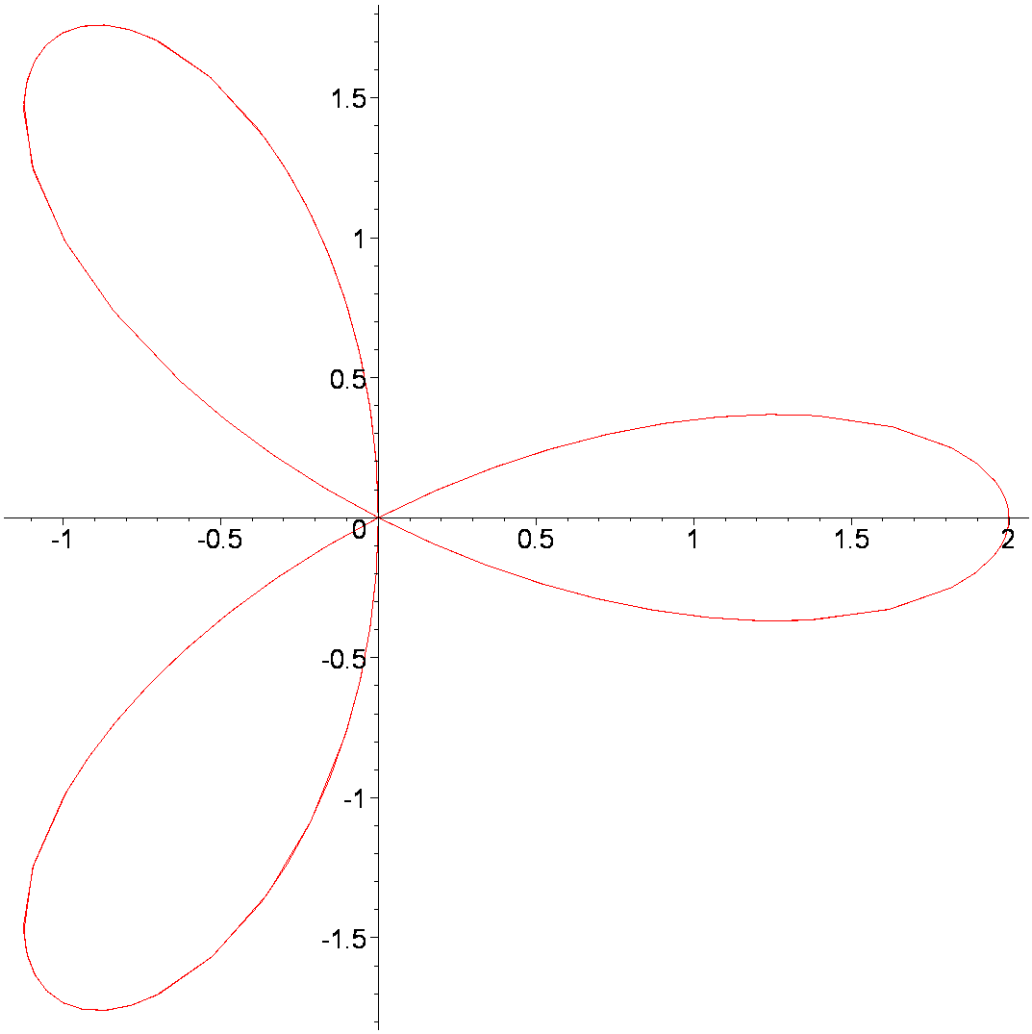
>
>

a podobné

```
> with(plots):
> r:=2*cos(3*t);
```

$$r := 2\cos(3\,t)$$

```
> plot([r,t,t=0..2*Pi],coords=polar);
```




```
> a:=T->plot([r,t,t=0..T],coords=polar);
```

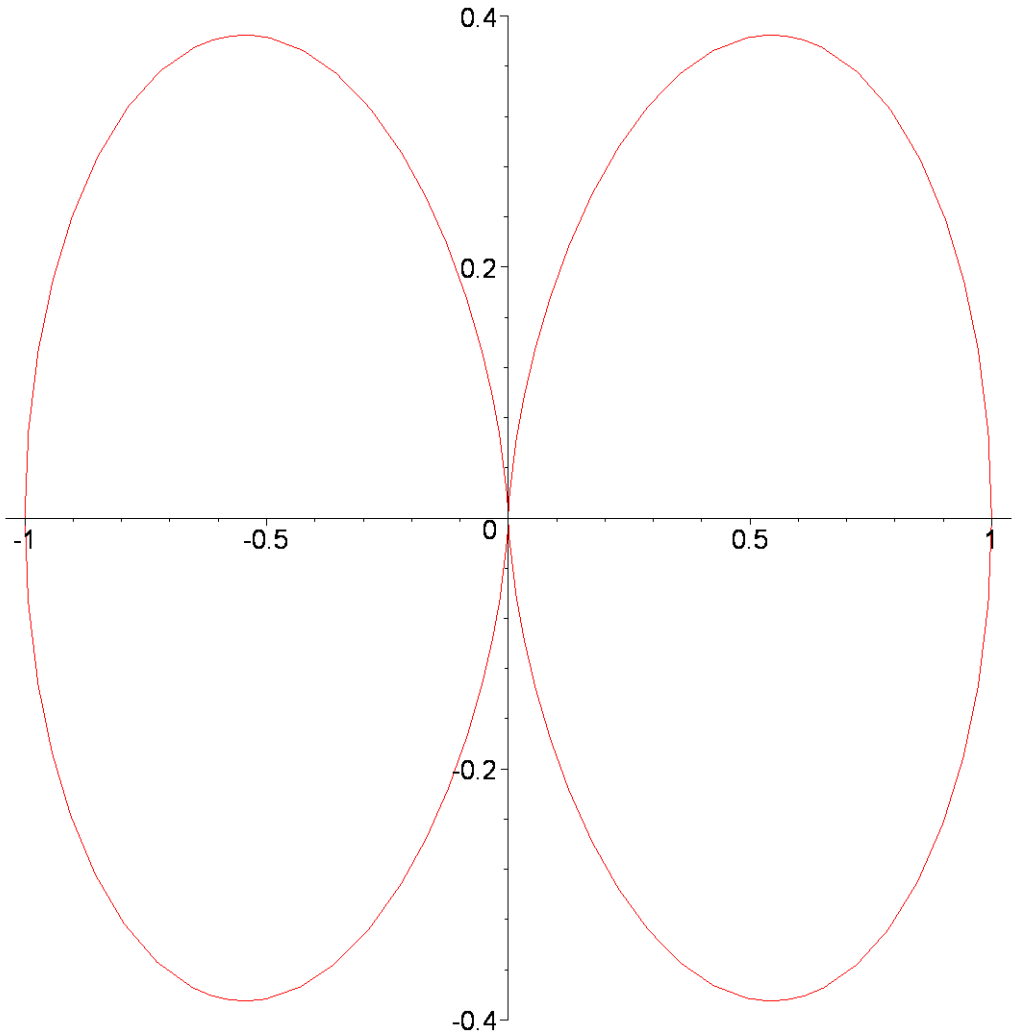
$$a := T \to \mathrm{plot}([r, t, t = 0\ ..\ T], coords = polar)$$

```
> animate([2*cos(3*t*k),t*k,t=0..Pi],k=0..1,coords=polar,numpoi
  nts=100,frames=100);
```

```
> 
> 
> 
> r:=(cos(t))^2;
```

$$r := \cos(t)^2$$

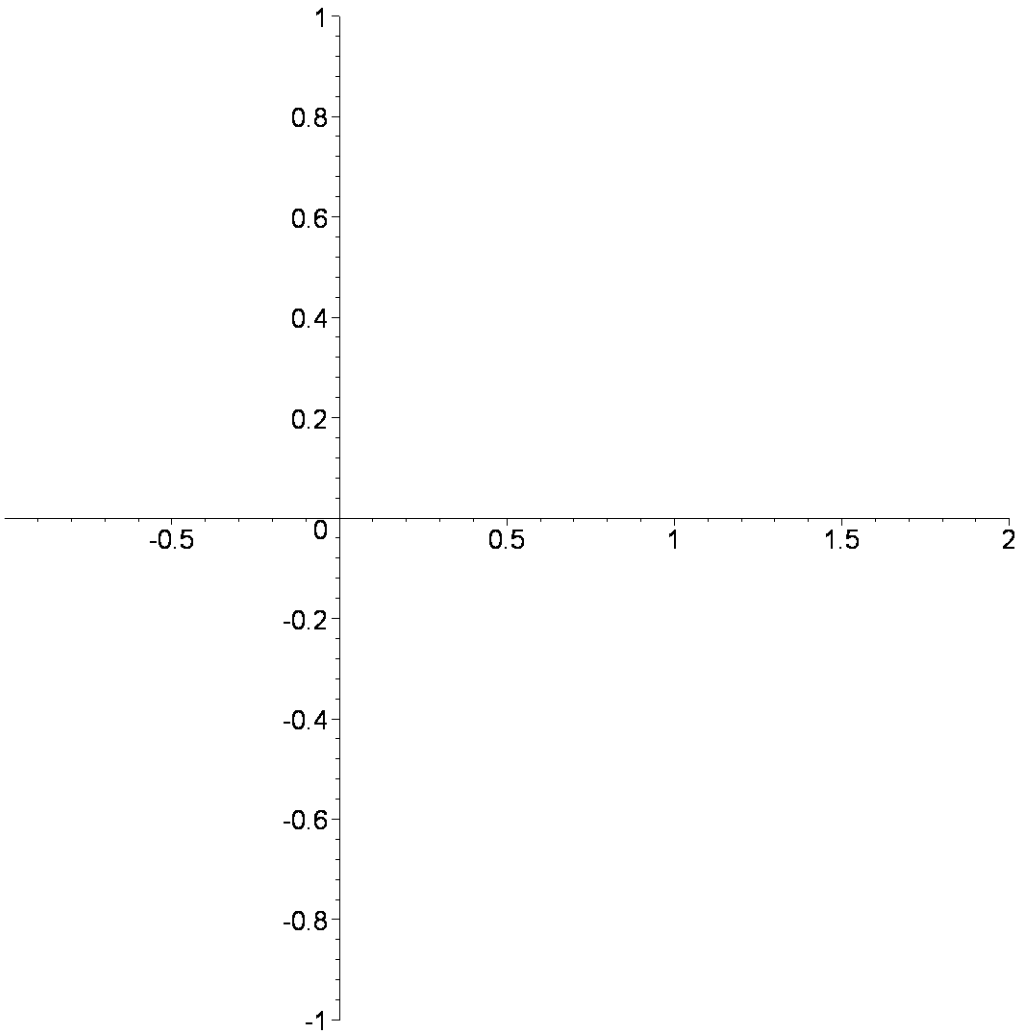
```
> plot([r,t,t=0..2*Pi],coords=polar);
```




```
> a:=T->plot([r,t,t=0..T],coords=polar);
```

$$a := T \to \mathrm{plot}([r, t, t = 0 .. T], coords = polar)$$

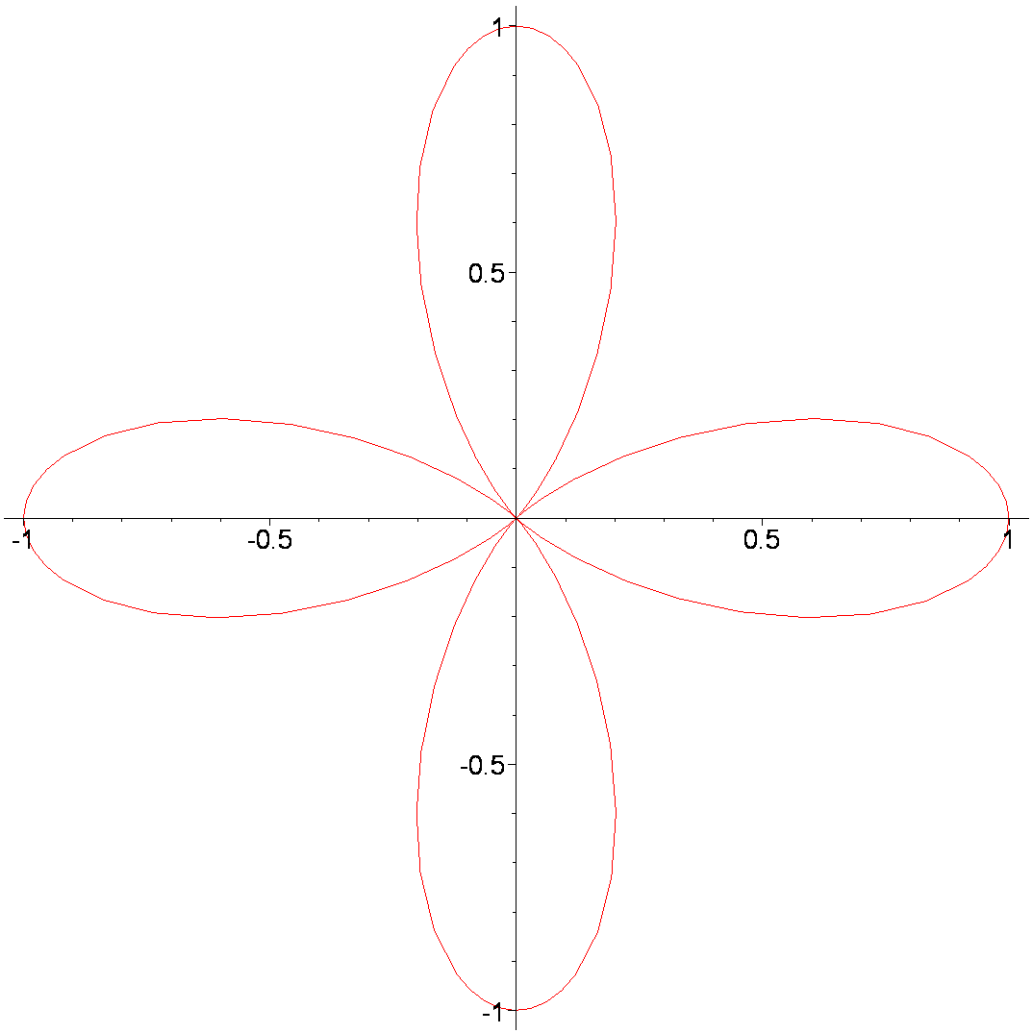
```
> animate([(cos(k*t))^2,t*k,t=0..2*Pi],k=0..1,coords=polar,nump
  oints=100,frames=100);
```




```
>
> r:=(cos(2*t))^2;
```

$$r := \cos(2\,t)^2$$

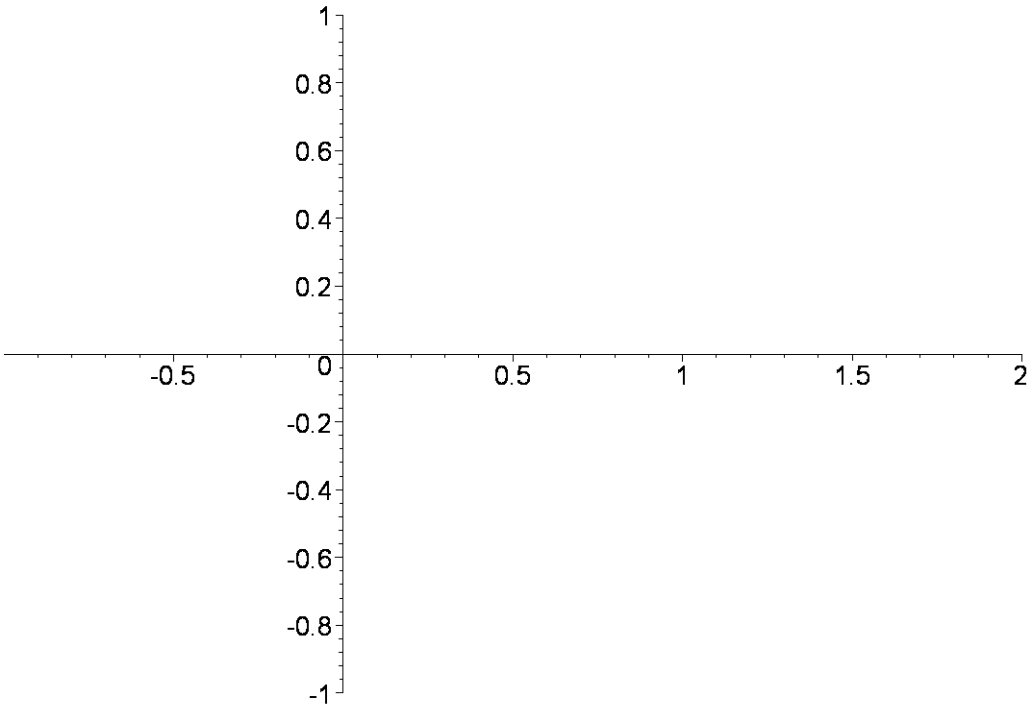
```
> plot([r,t,t=0..2*Pi],coords=polar);
```




```
> a:=T->plot([r,t,t=0..T],coords=polar);
```

$$a := T \to \mathrm{plot}([r, t, t = 0 .. T], coords = polar)$$

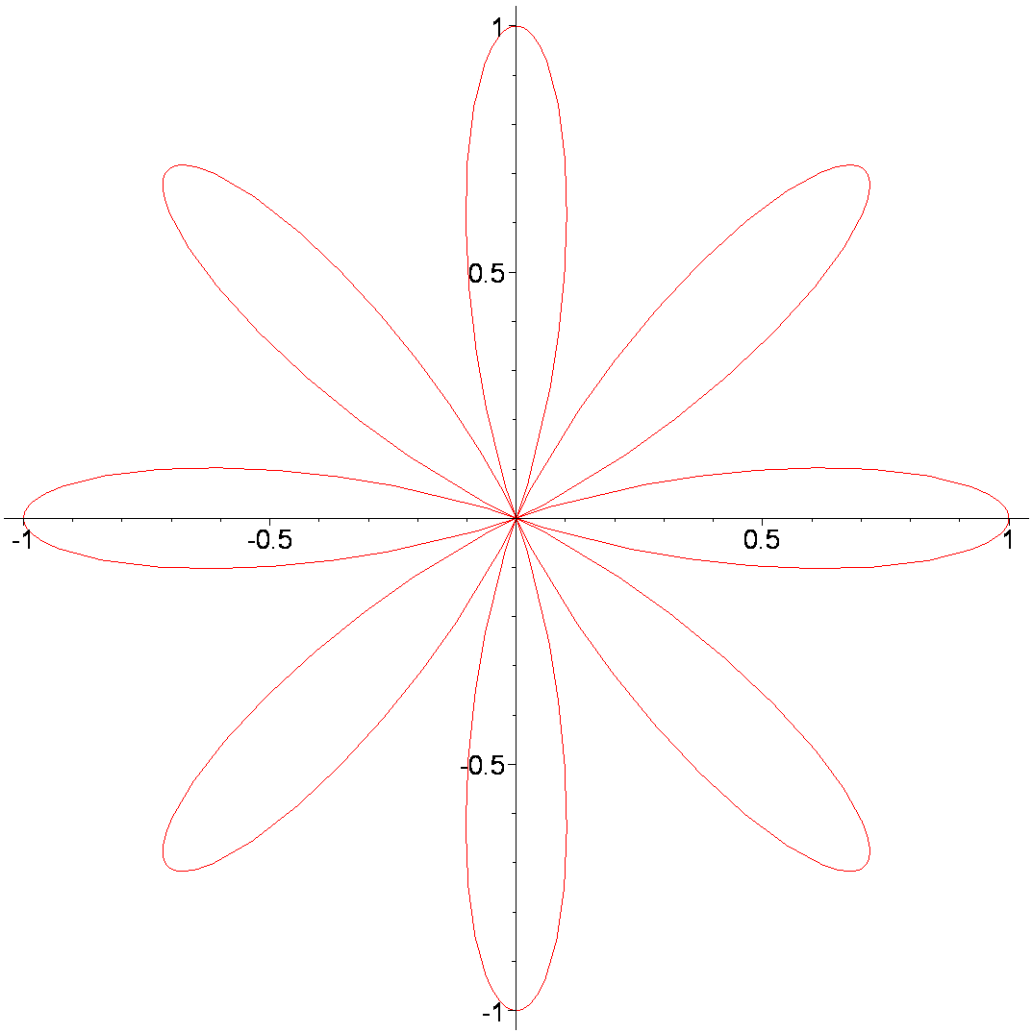
```
> animate([(cos(2*k*t))^2,t*k,t=0..2*Pi],k=0..1,coords=polar,nu
  mpoints=100,scaling=constrained,frames=100);
```




```
> 
> 
> r:=(cos(4*t))^2;
```

$$r := \cos(4\,t)^2$$

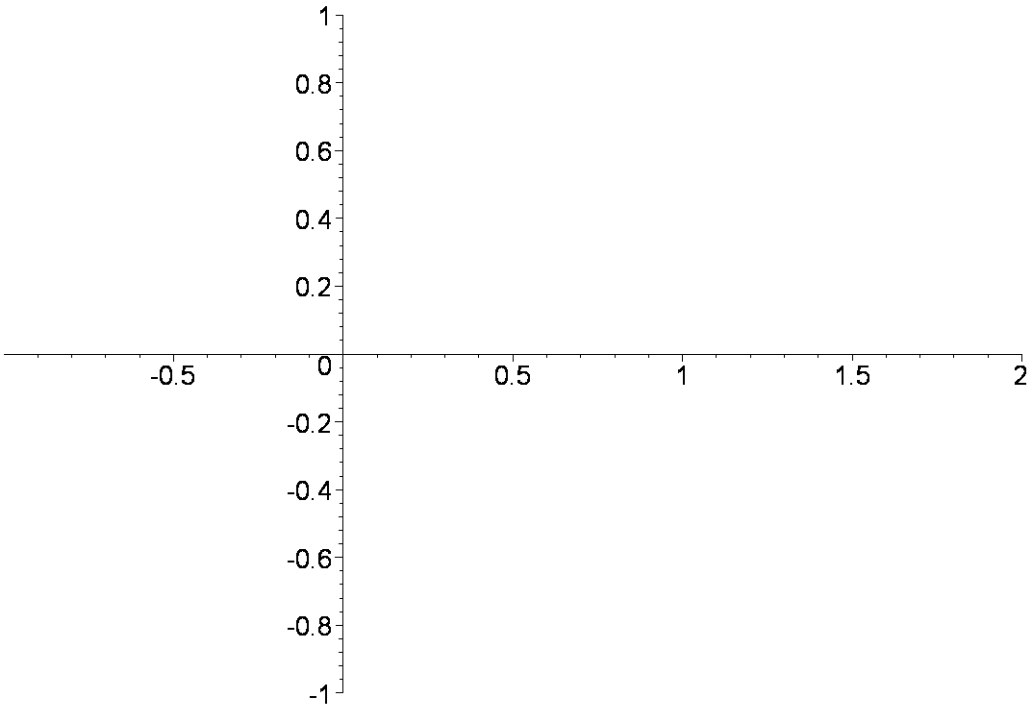
```
> plot([r,t,t=0..2*Pi],coords=polar);
```




```
> a:=T->plot([r,t,t=0..T],coords=polar);
```

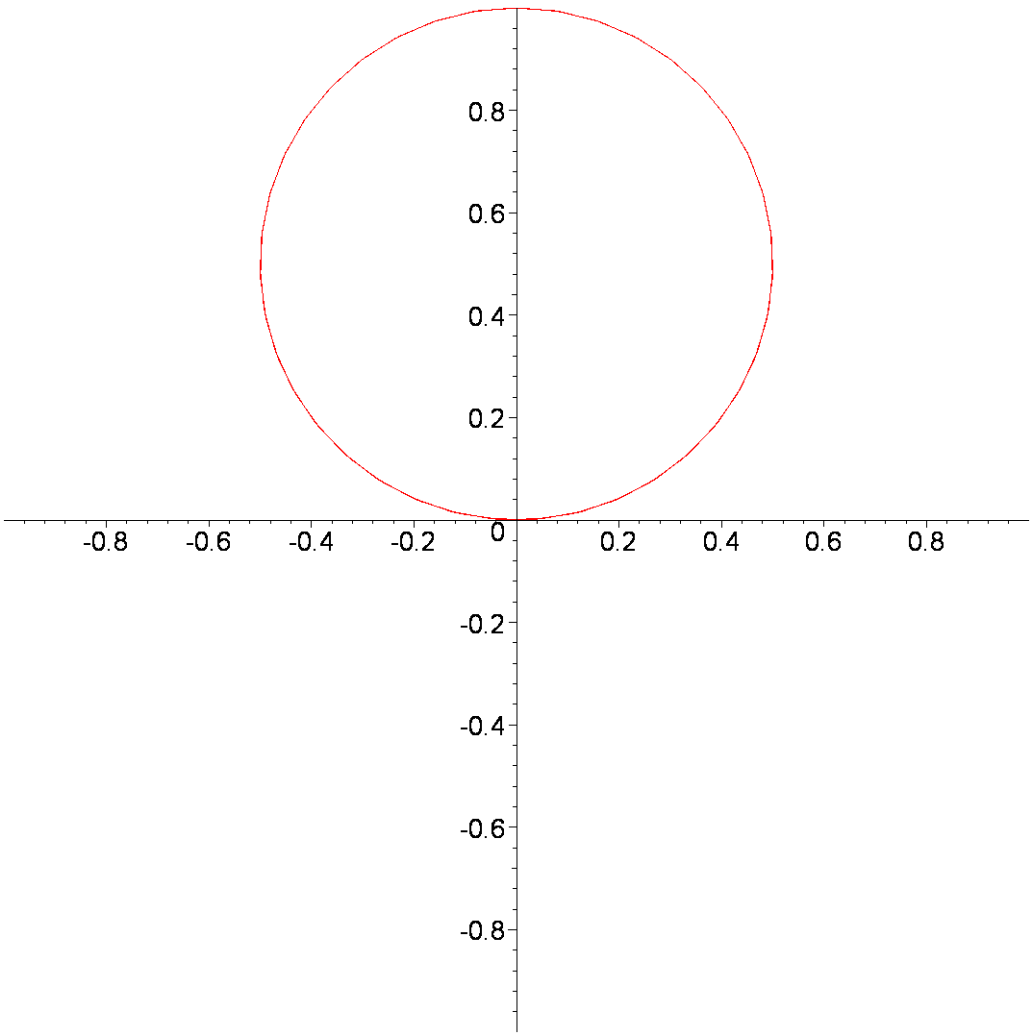
$$a := T \to \mathrm{plot}([r, t, t = 0 .. T], coords = polar)$$

```
> animate([(cos(4*k*t))^2,t*k,t=0..2*Pi],k=0..1,coords=polar,nu
  mpoints=100,scaling=constrained,frames=100);
```




```
>
```

```
> animate([sin(x*t),x,x=-4..4],t=1..4,coords=polar,numpoints=10
  0,frames=100);
```


0.8
0.6
0.4
0.2
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
-0.2
-0.4
-0.6
-0.8

```
>
>
>
>
>
```