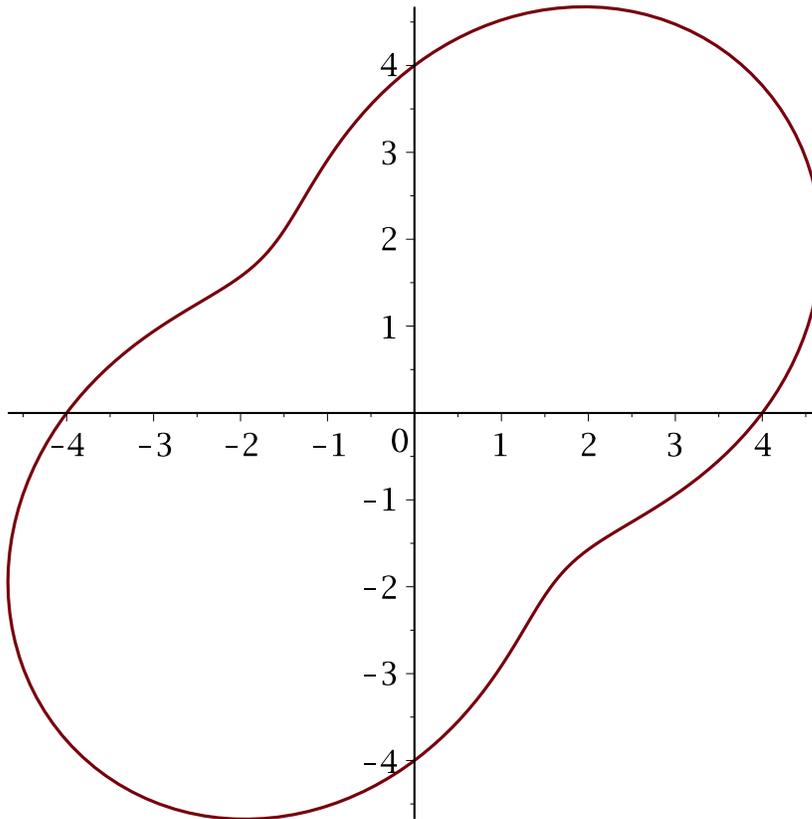


```

> restart;
> with(plots):
> plot([1.5*sin(2*t)+4,t,t=0..2*Pi],coords=polar);

```



```

> f:=(x,y)->cos(x/3)*exp(y/3);

```

$$f := (x, y) \rightarrow \cos\left(\frac{1}{3}x\right) e^{\frac{1}{3}y} \quad (1)$$

```

> fxx:=D[1,1](f);

```

$$f_{xx} := (x, y) \rightarrow -\frac{1}{9} \cos\left(\frac{1}{3}x\right) e^{\frac{1}{3}y} \quad (2)$$

```

> fyy:=D[2,2](f);

```

$$f_{yy} := (x, y) \rightarrow \frac{1}{9} \cos\left(\frac{1}{3}x\right) e^{\frac{1}{3}y} \quad (3)$$

```

> g:=fxx+fyy;

```

$$g := f_{xx} + f_{yy} \quad (4)$$

```

> g(x,y);

```

$$0 \quad (5)$$

