

Strophoide 3D

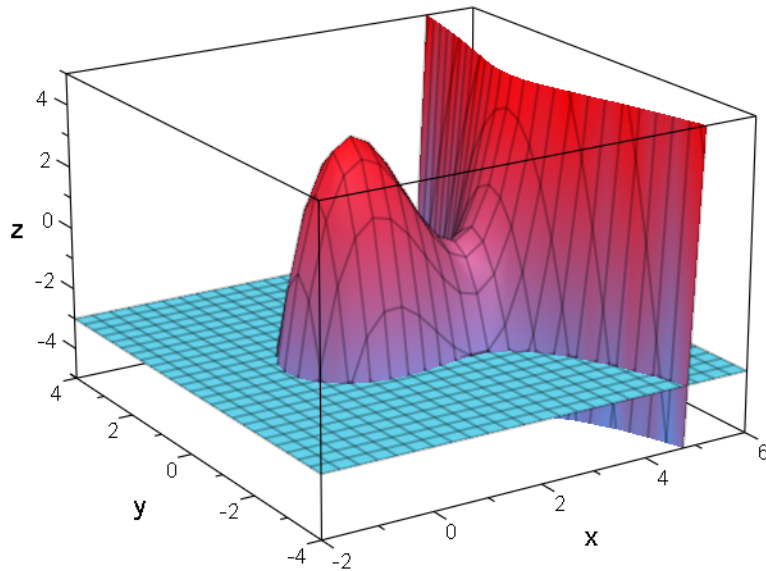
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```
stro := (x-a)^2*x - (2*a-x)*y^2
```

```
x*(x-3)^2 + y^2*(x-6)
```

```
a:=3;plotfunc3d(stro,e,x=-2..6,y=-4..4,e=-3..5,ViewingBo  
xZRange=-5..5, LegendVisible=FALSE)
```

3



```
a:=3
```

3

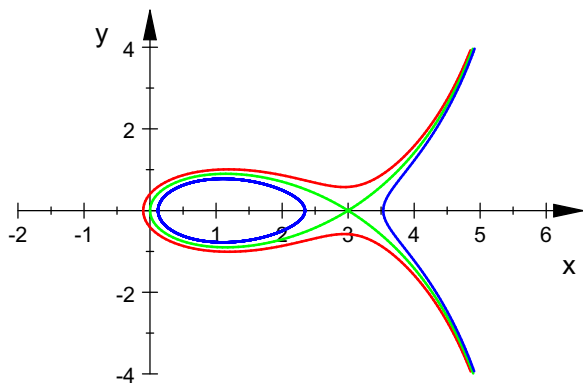
```
e:=-1:stm1:=plot::Implicit2d(stro=e,  
x=-2..6,y=-4..4,LineColor=[1,0,0]):
```

```
e:=0:st0:=plot::Implicit2d(stro=e,  
x=-2..6,y=-4..4,LineColor=[0,1,0]):
```

```
e:=1:st1:=plot::Implicit2d(stro=e,  
x=-2..6,y=-4..4,LineColor=[0,0,1]):
```

```
plot(stm1,st0,st1)
```





`stro=e`

$$x \cdot (x - 3)^2 + y^2 \cdot (x - 6) = e$$

`plotfunc3d(stro,x=0..6,y=-6..6, a=3..3)`

