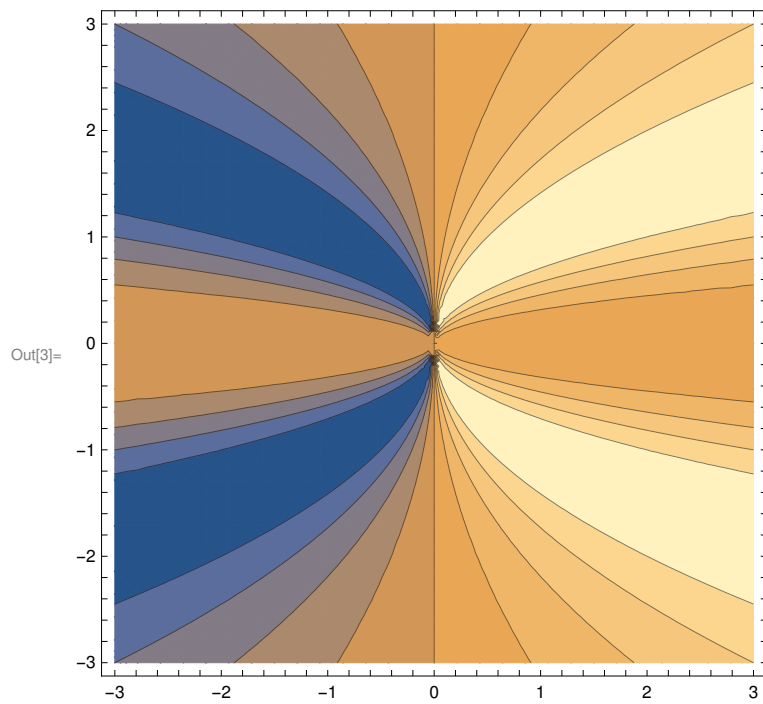
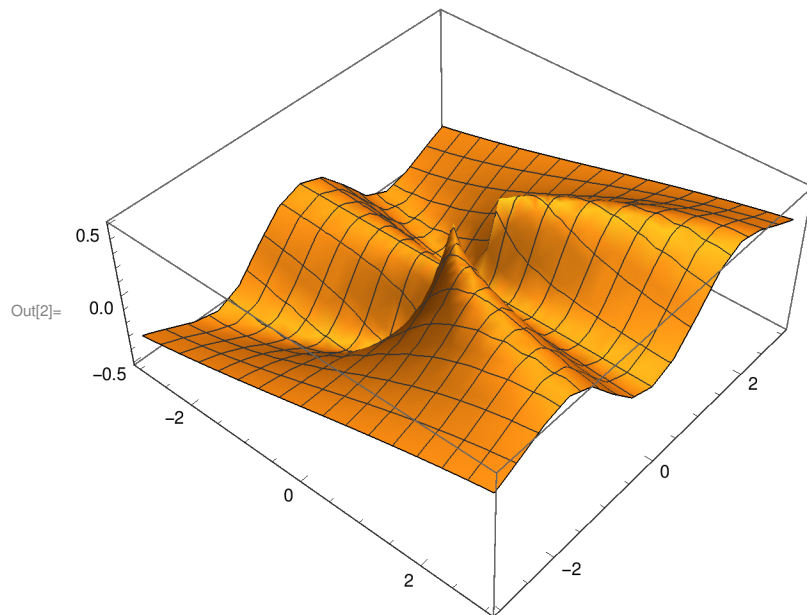


In[1]:= $f = x y^2 / (x^2 + y^4)$

Out[1]= $\frac{x y^2}{x^2 + y^4}$

In[2]:= `Plot3D[f, {x, -3, 3}, {y, -3, 3}]`
`ContourPlot[f, {x, -3, 3}, {y, -3, 3}]`



```
In[4]:= g = f /. {x -> t^2, y -> t}
```

```
Out[4]=  $\frac{1}{2}$ 
```

```
In[5]:= h = f /. {x -> t, y -> 3 t}
```

```
Out[5]=  $\frac{9 t^3}{t^2 + 81 t^4}$ 
```

```
In[6]:= Limit[h, t -> 0]
```

```
Out[6]= 0
```

```
In[7]:=
```