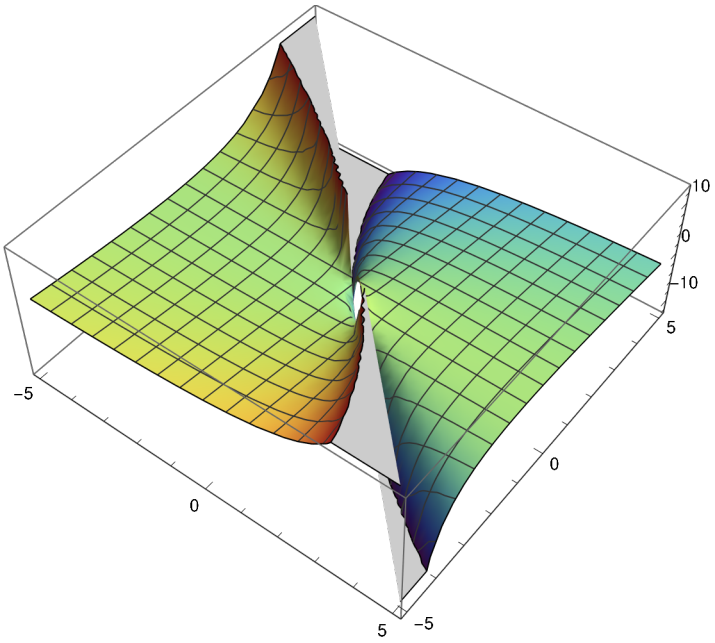
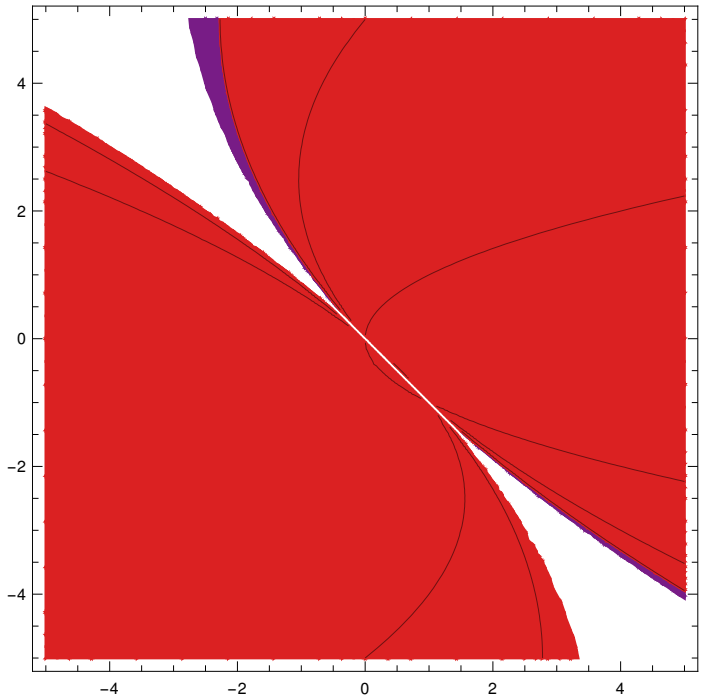
In[57]:=
```
SetOptions[Plot3D(*Or whichever plot you desire*),
  ColorFunction → "Rainbow"(*One of many options*)];
SetOptions[ContourPlot(*Or whichever plot you desire*),
  ColorFunction → "Rainbow"(*One of many options*)];
SetOptions[RegionPlot(*Or whichever plot you desire*),
  ColorFunction → "BlueGreenYellow "(*One of many options*)];
```

In[60]:=
```
f = (x - y ^ 2) / (x + y)
Plot3D[f, {x, -5, 5}, {y, -5, 5}]
ContourPlot[f, {x, -5, 5}, {y, -5, 5}]
```

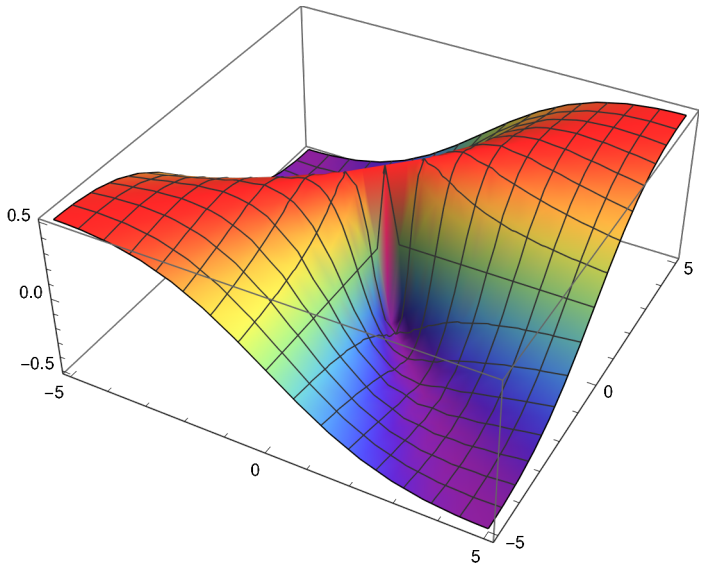
Out[60]=
$$\frac{x - y^2}{x + y}$$

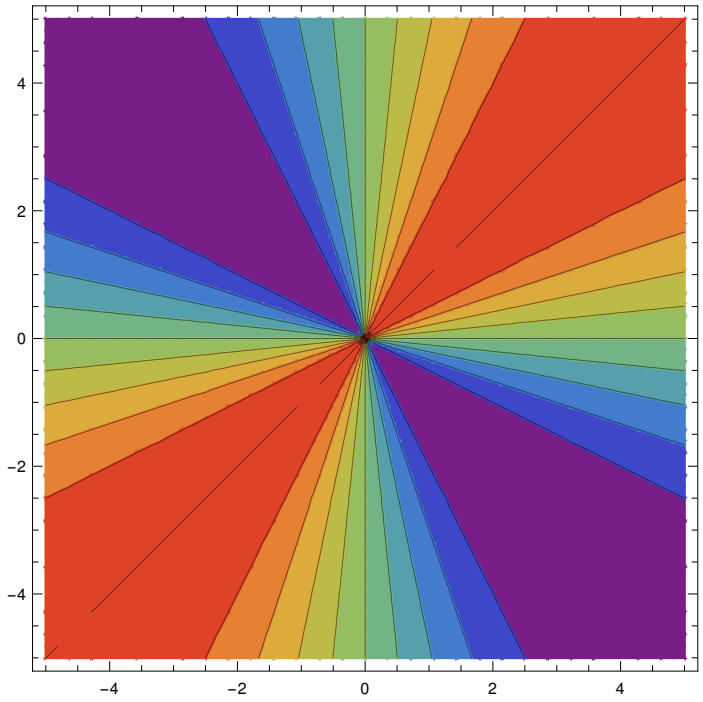
Out[61]=


Out[62]=


In[63]:=
```
f = (x * y) / (x ^ 2 + y ^ 2)
Plot3D[f, {x, -5, 5}, {y, -5, 5}]
ContourPlot[f, {x, -5, 5}, {y, -5, 5}]
```

Out[63]=
$$\frac{x\,y}{x^2 + y^2}$$

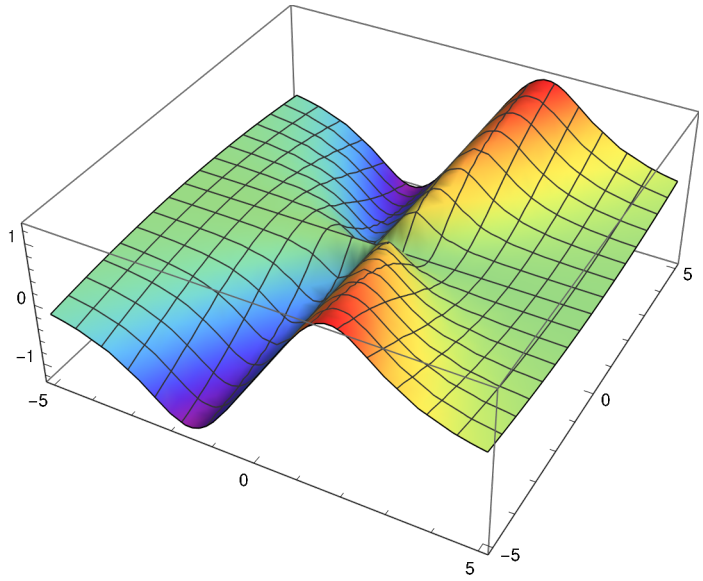
Out[64]=


Out[65]=


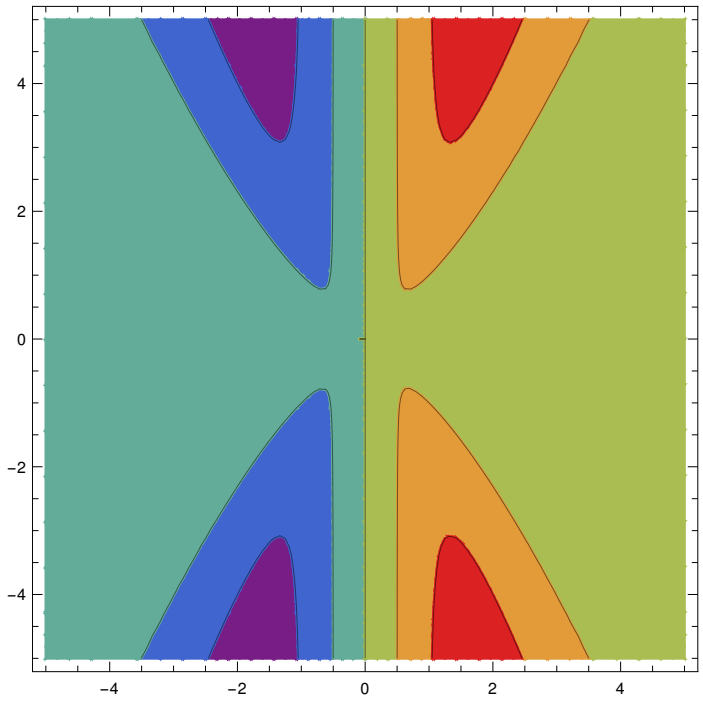
In[69]:=
```
f = (x * y ^ 2) / (x ^ 4 + y ^ 2)
Plot3D[f, {x, -5, 5}, {y, -5, 5}]
ContourPlot[f, {x, -5, 5}, {y, -5, 5}]
```

Out[69]=
$$\frac{x\,y^2}{x^4 + y^2}$$

Out[70]=

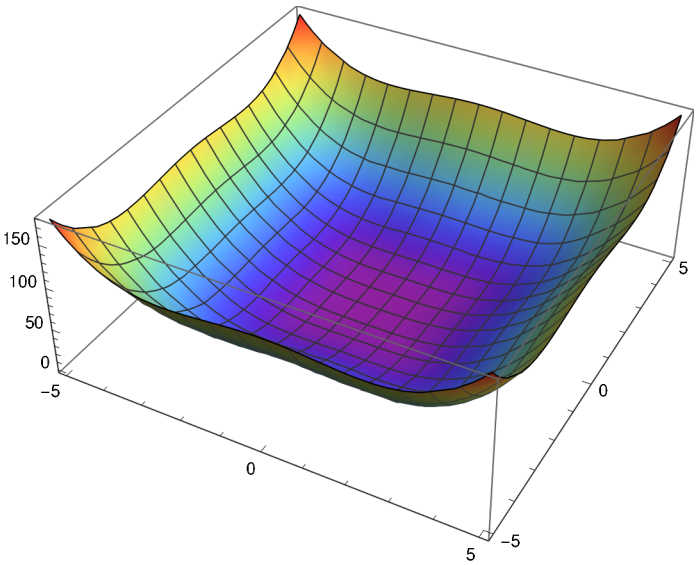


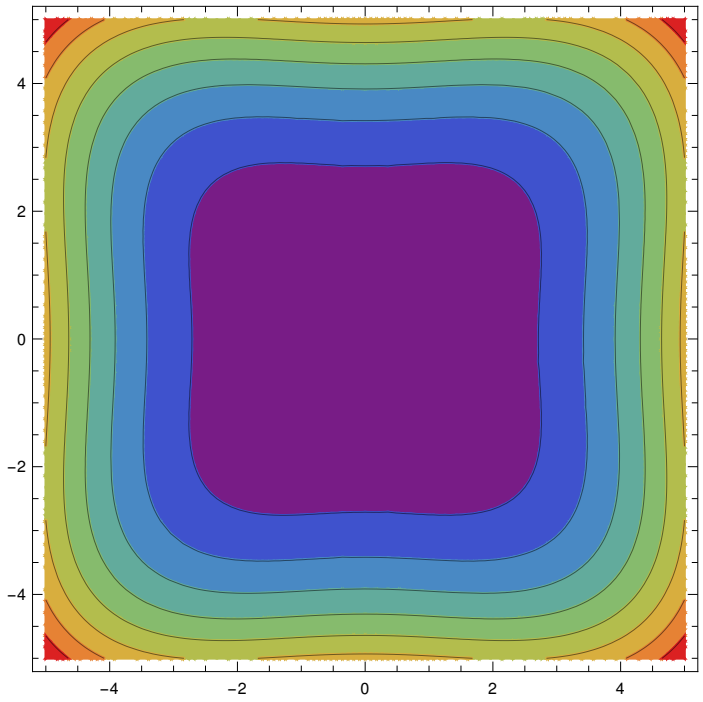
Out[71]=



In[72]:=
```
f = (x ^ 4 + y ^ 4) / (Sqrt[x ^ 2 + y ^ 2])
Plot3D[f, {x, -5, 5}, {y, -5, 5}]
ContourPlot[f, {x, -5, 5}, {y, -5, 5}]
```

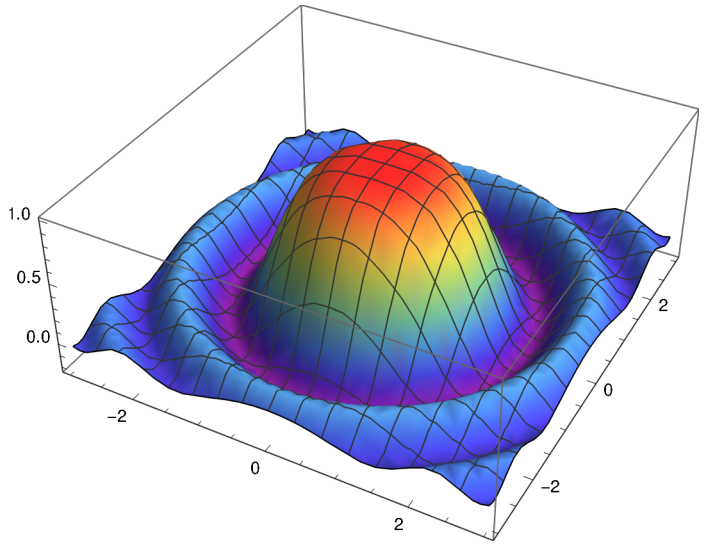
Out[72]=
$$\frac{x^4 + y^4}{\sqrt{x^2 + y^2}}$$

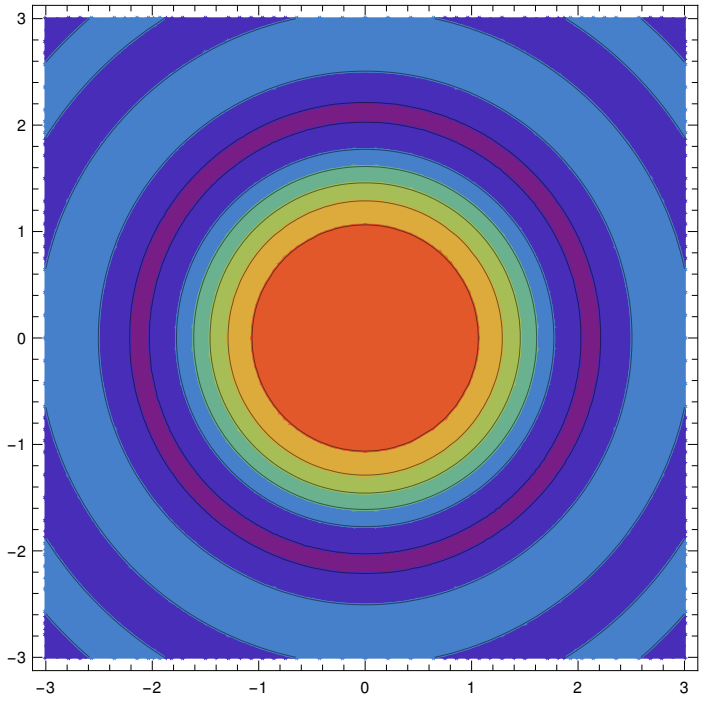
Out[73]=


Out[74]=


In[96]:=
```
f = (Sin[x ^ 2 + y ^ 2]) / (x ^ 2 + y ^ 2)
Plot3D[f, {x, -3, 3}, {y, -3, 3}]
ContourPlot[f, {x, -3, 3}, {y, -3, 3}]
```

Out[96]=
$$\frac{\text{Sin}[x^2 + y^2]}{x^2 + y^2}$$

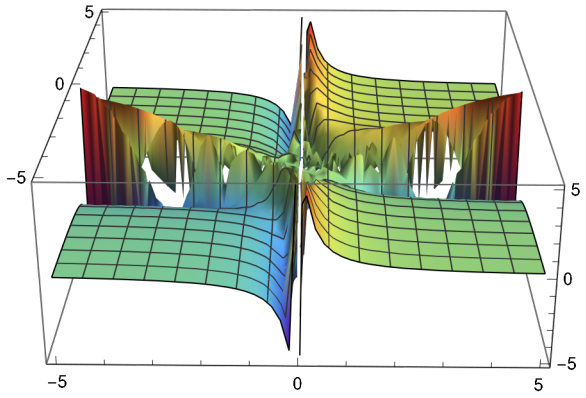
Out[97]=


Out[98]=


In[99]:=
```
f = (x + y) Sin[1 / (x * y)]
Plot3D[f, {x, -5, 5}, {y, -5, 5}]
ContourPlot[f, {x, -5, 5}, {y, -5, 5}]
```

Out[99]= $(x + y)\,\text{Sin}\left[\frac{1}{x\,y}\right]$

Out[100]=



Out[101]=