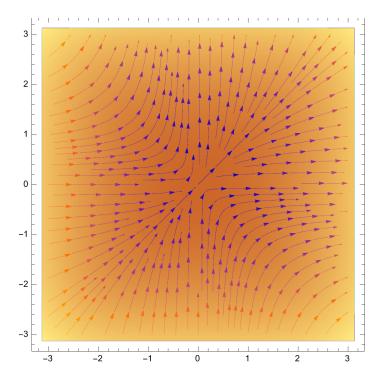
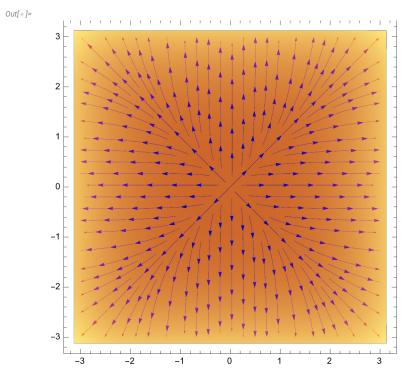
雅可比矩阵的几何意义

Out[•]=

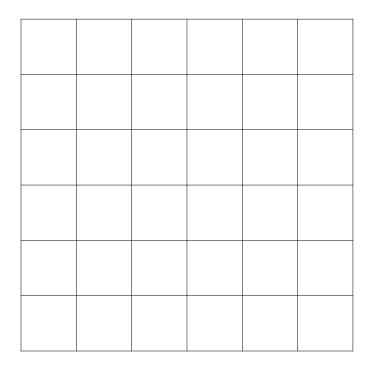


$$In[\cdot]:=$$
 J = {{2x,0}, {0,2y}};
StreamDensityPlot[J.{ x^2 , y^2 }, {x,-3,3}, {y,-3,3}]
流密度图

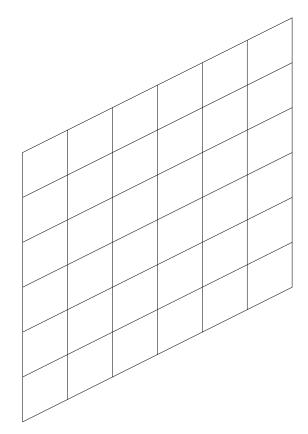


雅可比矩阵

Out[•]=



Out[•]=



In[•]:=

```
Slider2D[Dynamic[{x, y}], {-2, 2}]

[二维滑动条 [动态

sp = StreamDensityPlot[{x², y²}, {x, -3, 3}, {y, -3, 3}];

[流密度图

Dynamic@Show[sp, J = {{2x, 0}, {0, 2y}};

[动态 [显示

Graphics[{Line[Table[{J.{-3+d, -3}, J.{-3+d, 3}}, {d, 0, 6}]],

[图形 [线段 [表格

Line[Table[{J.{-3, -3+d}, J.{3, -3+d}}, {d, 0, 6}]]}]]

[线段 [表格
```

Out[•]=



Out[•]=