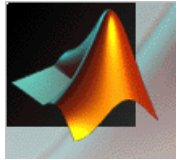


Bemerkung 1.7: Richtungsfeld



see `demoquiv.m`

```
% how to use  
help demoquiv
```

```
x = linspace ( -2.0, 2.0, 21 );  
y = linspace ( -2.0, 2.0, 21 );  
[ XX, YY ] = meshgrid ( x, y );  
  
fmax = 4.0; % -> ignore very long quivers  
FF = XX.^2 + YY.^2;  
FF(abs(FF)>fmax) = NaN;  
  
quiver ( x, y, ones(size(FF)), FF, 1.4 );  
grid;  
  
set ( gca, 'DataAspectRatio', [ 1 1 1 ] );  
set ( gca, 'PlotBoxAspectRatio', [ 1 1 1 ] );  
  
axis ( [ -2.0 2.0 -2.0 2.0 ] );  
xlabel ( 'x' );  
ylabel ( 'y' );  
title ( 'Richtungsfeld fuer y''(x) = x^2+y^2' );
```

