
```
% m = 2, k = 20

% #####
a = 20;
b = 22;
alpha = 10;
beta = 10;

% #####
A = [alpha, -a;
     -b, beta];

% ##### # #####
[V, D] = eig(A);
display(V);
display(D);
% ##### # ##### # ###, ### #####
% #####
% #####, # #####.

% #####
[x, y] = meshgrid(linspace(0, 3));

% #####
dx = A(1, 1)*x + A(1,2)*y;
dy = A(2, 1)*x + A(2,2)*y;

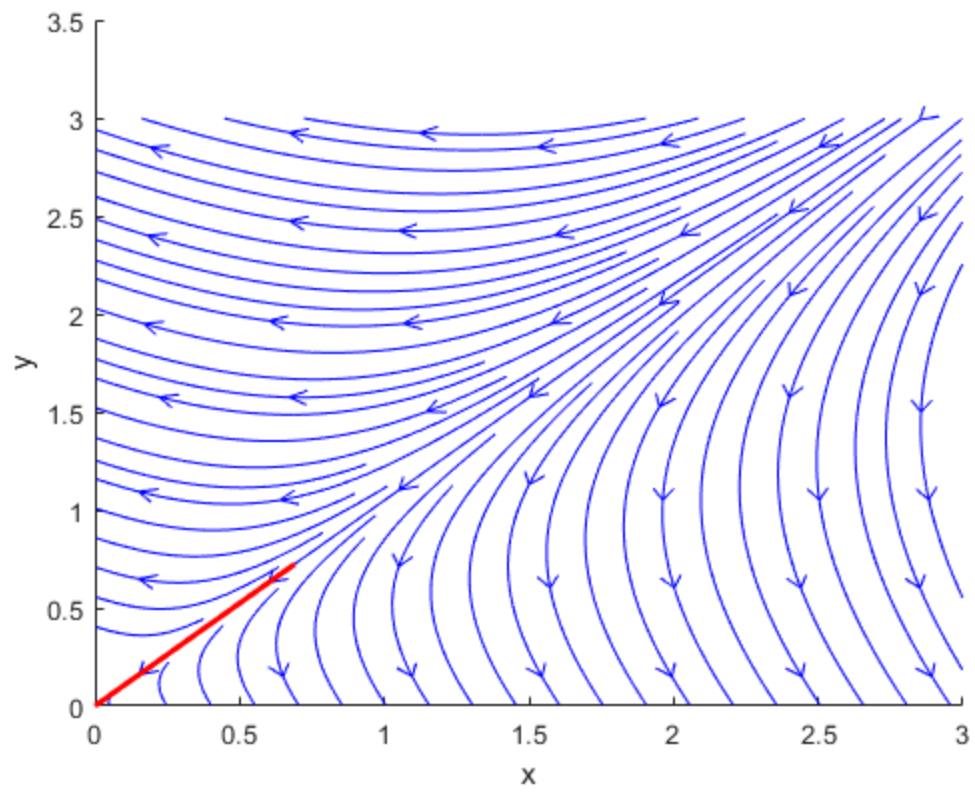
figure(1);
streamslice(x, y, dx, dy);
xlabel('x');
ylabel('y');
% #####, ##### #####
line([0, V(1,2)], [0, V(2,2)], 'Color', 'red', 'LineWidth', 2);
```

V =

```
    0.6901    0.6901
   -0.7237    0.7237
```

D =

```
    30.9762         0
         0   -10.9762
```



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