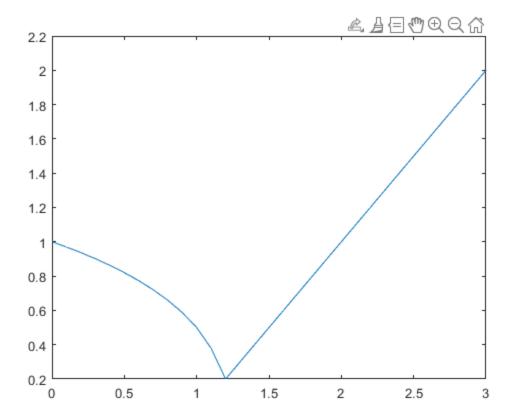
```
clear all;
clear
clc;
A=[
    0.8 - 0.4 0
    -0.4 0.8 -0.4
    0 -0.4 0.8 ];
D=[
    0.8 0 0
    0 0.8 0
    0 0 0.8 ];
L=[
    0 0 0
    -0.4 0 0
    0 -0.4 0 ];
U=[
    0 -0.4 0
    0 \ 0 \ -0.4
    0 0 0 ];
w=0:0.1:3;
spectral_rad=zeros(length(w),1);
for i=1:length(w)
    X = inv(D + w(i).*L);
    Y=(1-w(i)).*D - w(i).*U;
    E = X*Y;
    eigen_val= eig(E);
    temp=0;
    for j=1:size(eigen_val)
        if (abs(eigen_val(j)) > temp)
            temp=eigen_val(j);
        end
    end
    spectral_rad(i) = abs(temp);
end
plot(w,spectral_rad);
```



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