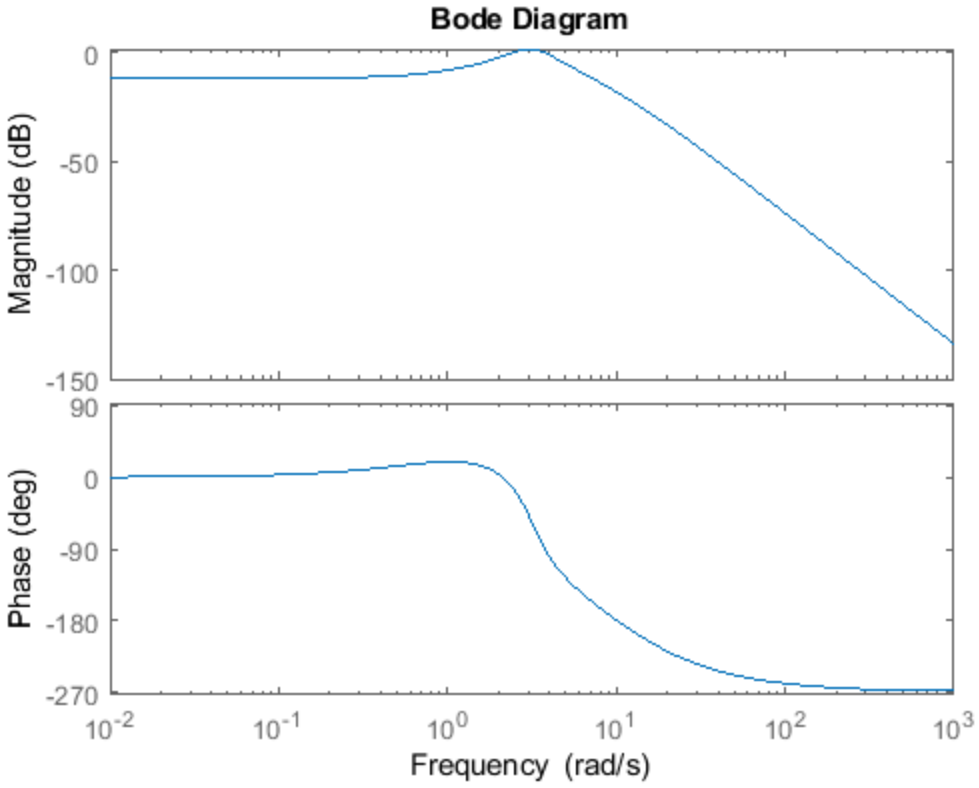
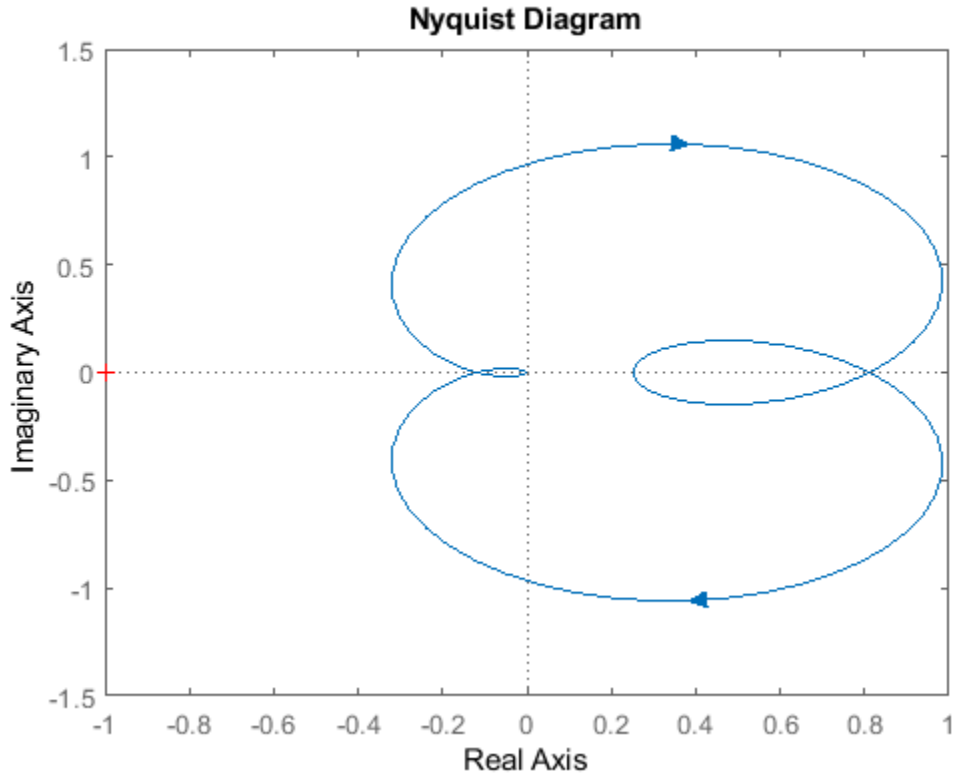
```
L=tf([202.5 202.5],[1 20 126 340 800]);
figure(1);
bode(L);
figure(2);
nyquist(L);
[Gm,Pm,Wpc,Wgc]=margin(L)
```

```
Gm =

    8.3430


Pm =

   93.3846


Wpc =

   10.0734


Wgc =

    3.6971
```


Bode Diagram
Magnitude (dB)
0
-50
-100
-150
Phase (deg)
90
0
-90
-180
-270
10^{-2}
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
Frequency (rad/s)


Nyquist Diagram
Imaginary Axis
1.5
1
0.5
0
-0.5
-1
-1.5
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
Real Axis

Published with MATLAB® R2020a