```
num1=[23948.1];
dem1=[1 60 800 0];
sys1=tf(num1,dem1);
feed1=feedback(sys1,1);
stepinfo(feed1)
stepplot(feed1)

figure(2);
num2=[3870000];
dem2=[1 84 2960 62400 576000 0];
sys2=tf(num2,dem2);
rlocus(sys2);
figure(3);
feed2=feedback(sys2,1);
stepplot(feed2)
stepinfo(feed2)
```
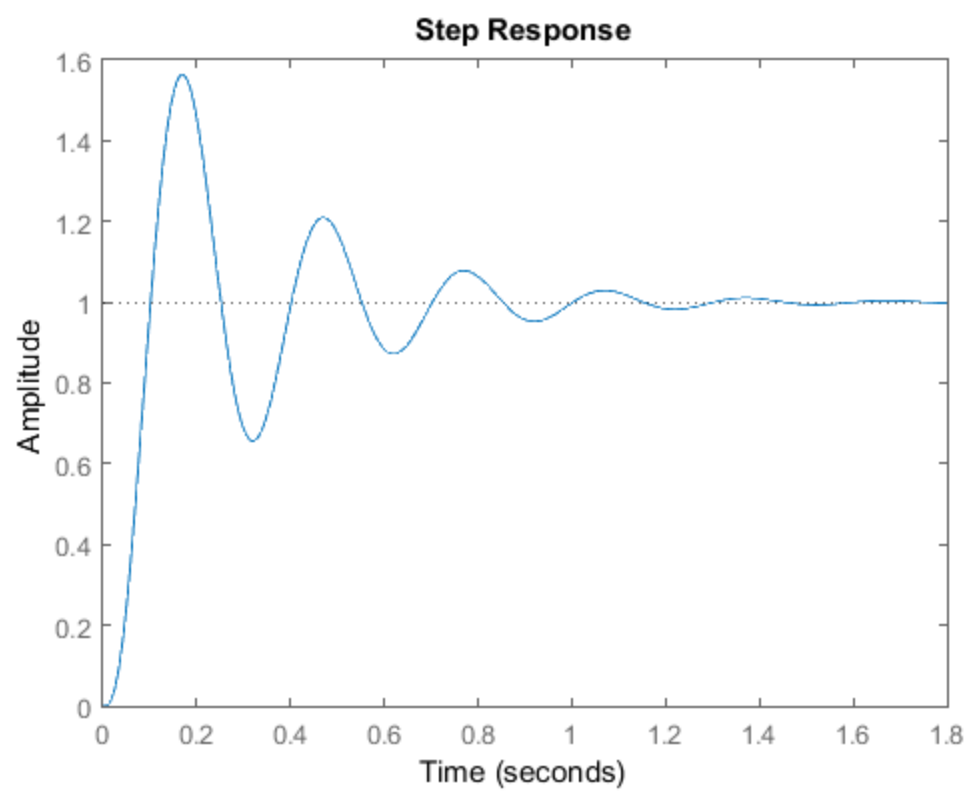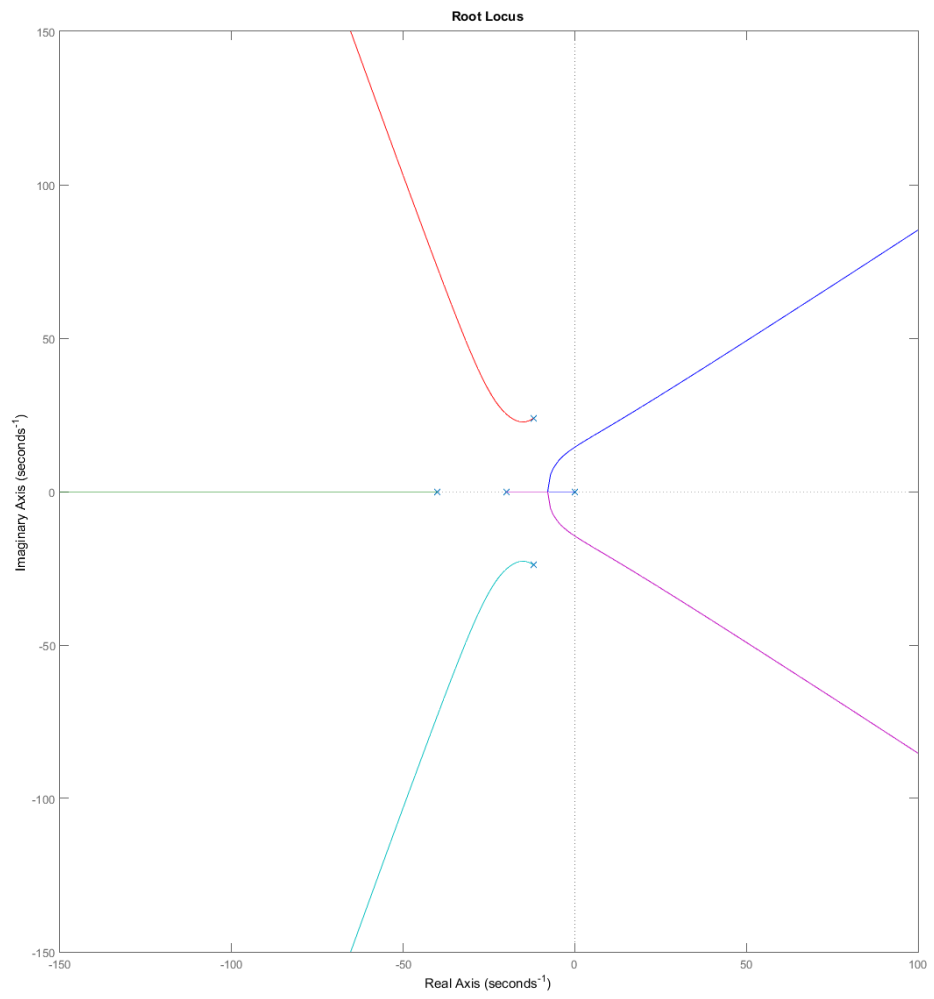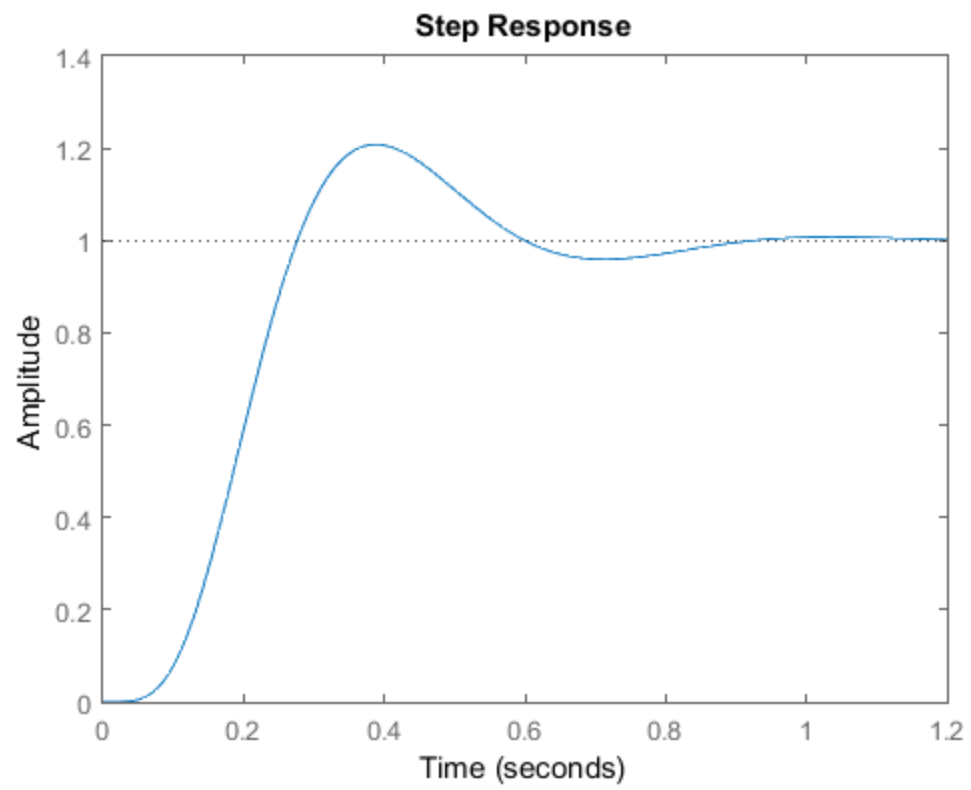
ans =

          RiseTime: 0.0605
      SettlingTime: 1.1103
       SettlingMin: 0.6562
       SettlingMax: 1.5636
         Overshoot: 56.3646
        Undershoot: 0
              Peak: 1.5636
          PeakTime: 0.1690

ans =

          RiseTime: 0.1468
      SettlingTime: 0.8309
       SettlingMin: 0.9231
       SettlingMax: 1.2083
         Overshoot: 20.8297
        Undershoot: 0
              Peak: 1.2083
          PeakTime: 0.3881

Step Response

Root Locus

Step Response

Published with MATLAB® R2015a