```
sys_open = tf([1],[1 2 1 0]);
sys_closed = feedback(sys_open,1,-1)
figure(1)
margin(sys_open)
[Gm,Pm,Wcg,Wcp] = margin(sys_open)
figure(2)
step(sys_closed)
S = stepinfo(sys_closed)
sys_closed =
           1
  s^3 + 2 s^2 + s + 1
Continuous-time transfer function.
Gm =
     2
Pm =
  21.3877
Wcg =
    1
Wcp =
   0.6823
s =
 struct with fields:
        RiseTime: 1.7271
   SettlingTime: 30.9388
     SettlingMin: 0.6759
     SettlingMax: 1.5435
      Overshoct: 54.3517
      Undershoot: 0
           Peak: 1.5435
        PeakTime: 4.7761
```

1



