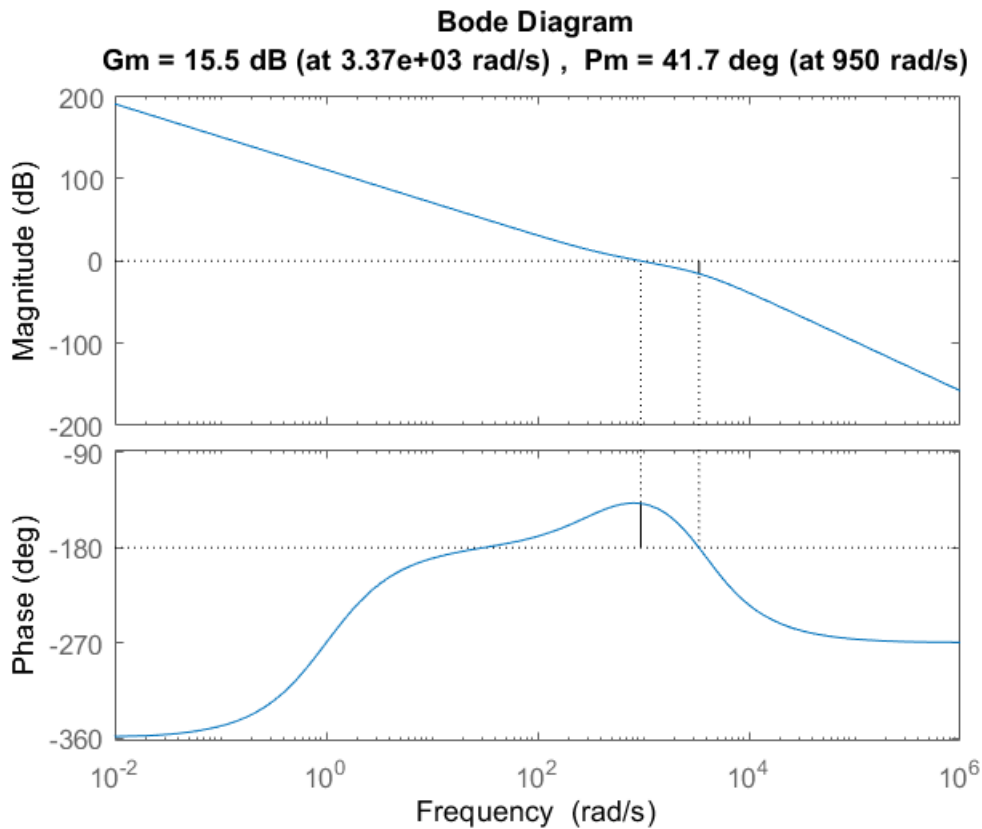


Initializa transfer function

```
s = tf('s');  
G = (s+5)/((-s+1)*(s+1000));  
wc = 1100;
```

Obtain the desired loop shape using loopsyn.

```
[K,CL,GAM] = loopsyn(G,wc^2/s^2);  
[Gm,Pm,Wcg,Wcp] = margin(G*K);  
margin(G*K)
```



bode magnitude plot for the sensitivity function.

```
bodemag(1-CL)
```

