

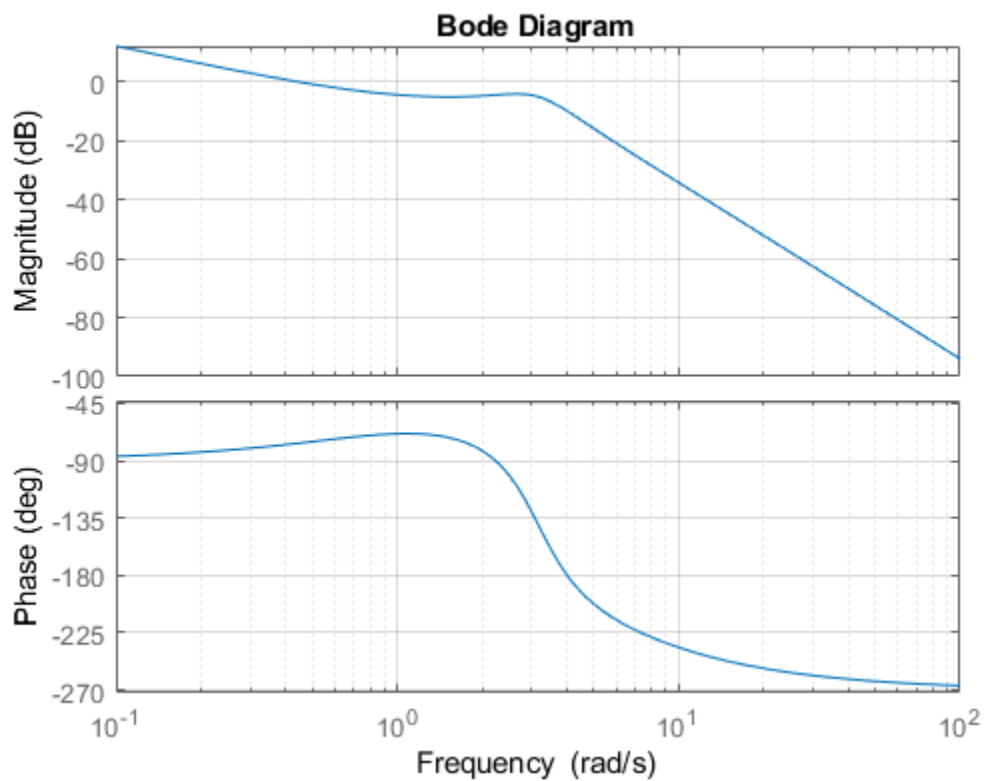
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## B-8\_28

```
num = [0 0 0 20 20];  
den = conv([1 2 10 0],[1 5]);  
axis_1 = logspace(-1, 2, 100);  
sys=tf(num,den);  
bode(num, den, axis_1);  
grid  
[Gm, pm] = margin(sys);  
Gmdb = 20*log10(Gm);  
[Gmdb, pm]
```

*ans* =

9.9301 103.6573



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