

Editor - F:\cs 1\Untitled.m

```
1 - oltf=tf([12],[1 7 0])
2 - sys=tf([12],[1 7 12])
3 - [mr,wr]=getPeakGain(sys)
4 - wb=bandwidth(sys)
5 - bode(oltf)
6 - margin(oltf)
```

Command Window

Continuous-time transfer function.

sys =

$$\frac{12}{s^2 + 7s + 12}$$

Continuous-time transfer function.

mr =

1

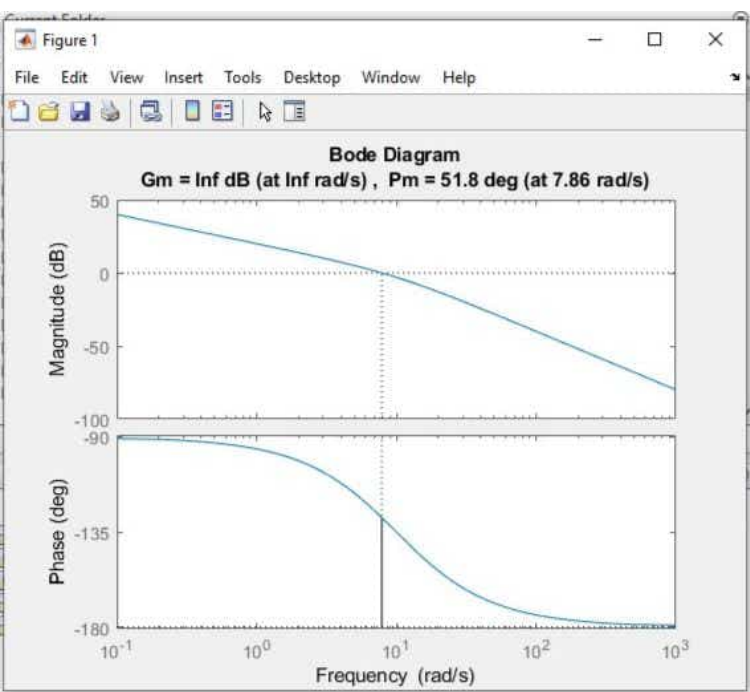
wr =

0

wb =

2.1927

f_q >>



Editor - F:\cs 1\Untitled.m

```
1 oltf=tf([100],[1 10 0])
2 sys=tf([100],[1 10 100])
3 [mr,wr]=getPeakGain(sys)
4 wb=bandwidth(sys)
5 bode(oltf)
6 margin(oltf)
```

Command Window

Continuous-time transfer function.

sys =

$$\frac{100}{s^2 + 10s + 100}$$

Continuous-time transfer function.

mr =

1.1547

wr =

7.0610

wb =

12.7119

fz >>