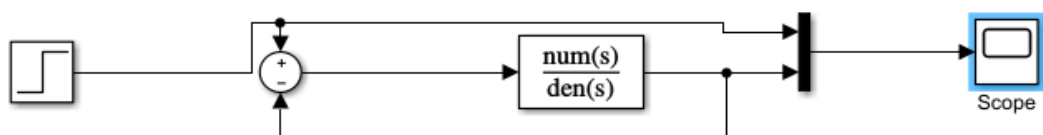
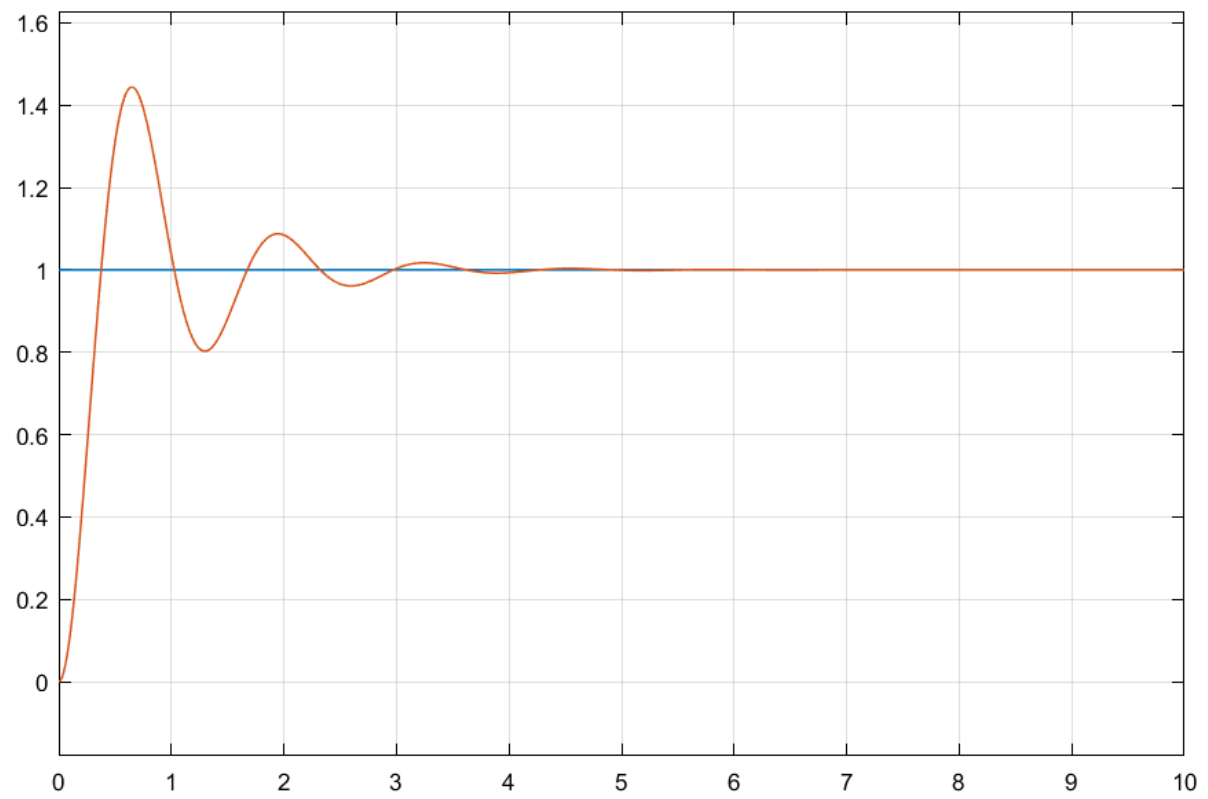


## Exp-7



Peak Time = 653.626 ms

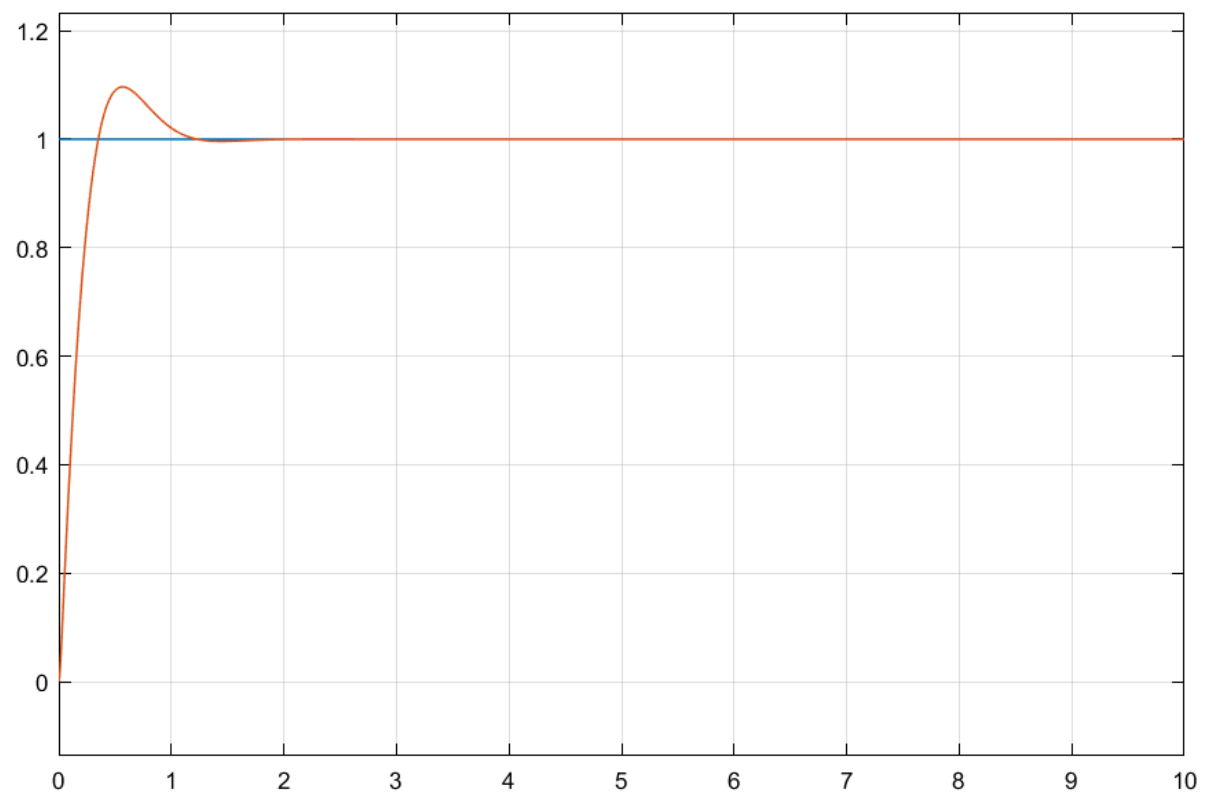
Peak Overshoot = 0.444e



Rise Time = 376.908 ms



## Exp-8



Rise Time = 367.366 ms



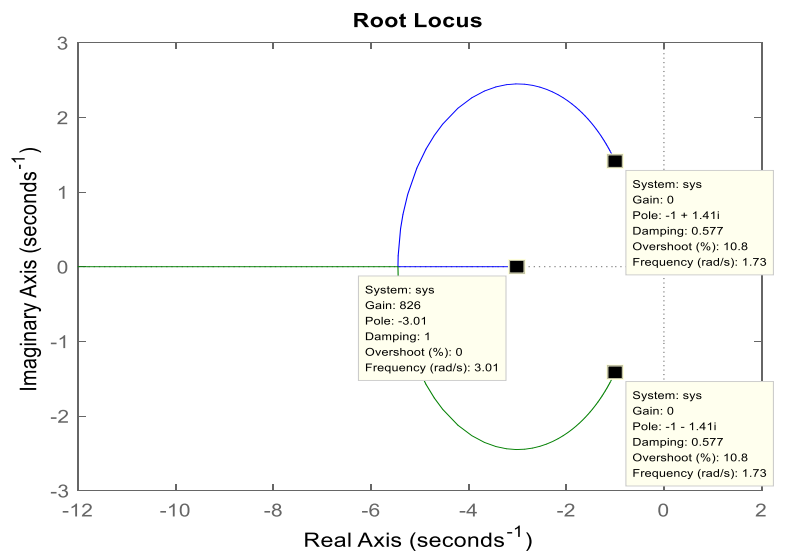
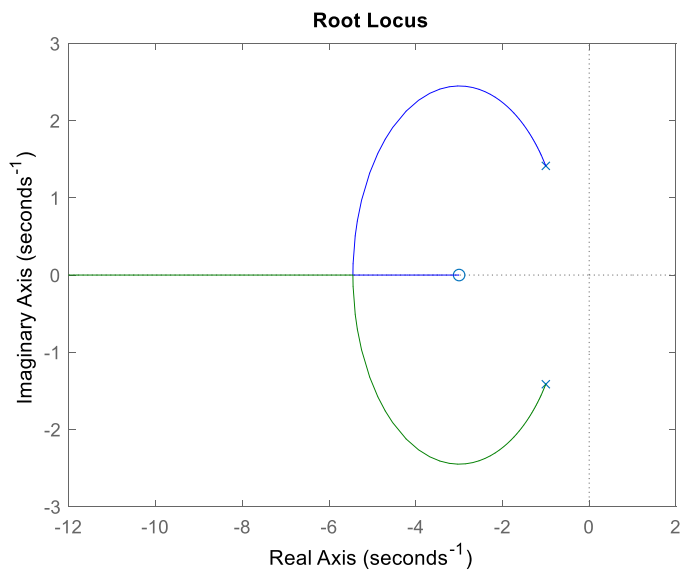
Peak Time = 558.206 ms

Peak Overshoot = 0.096e

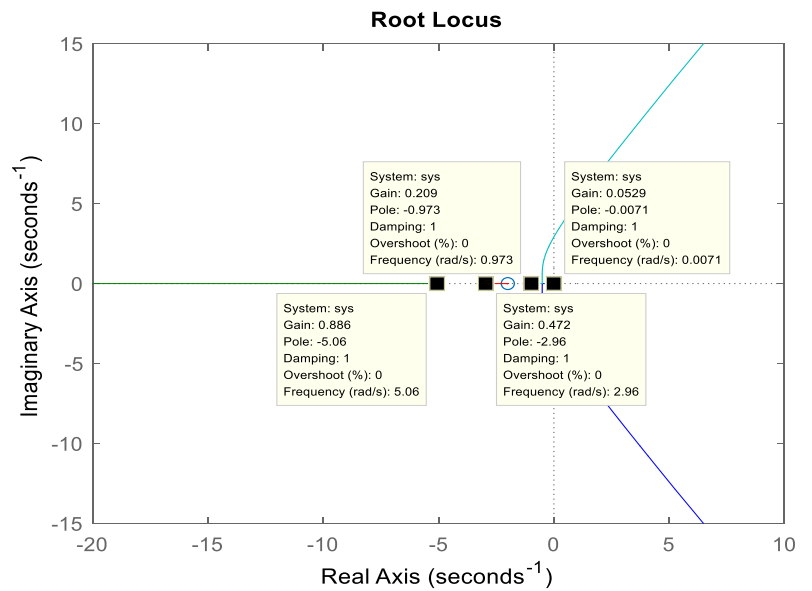
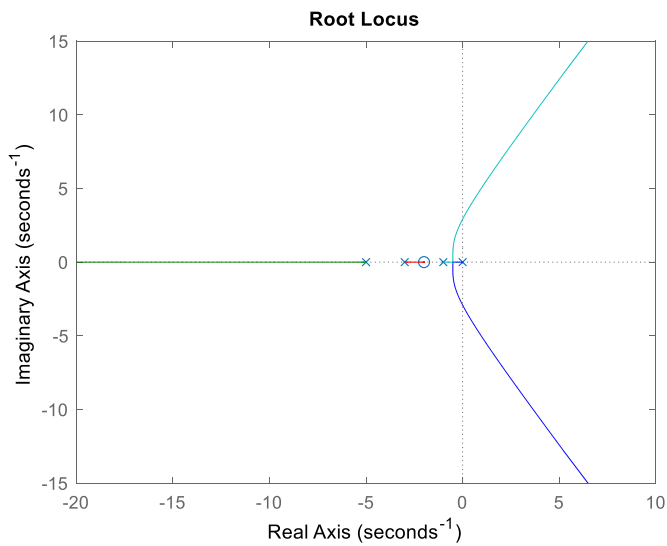


## Exp-9

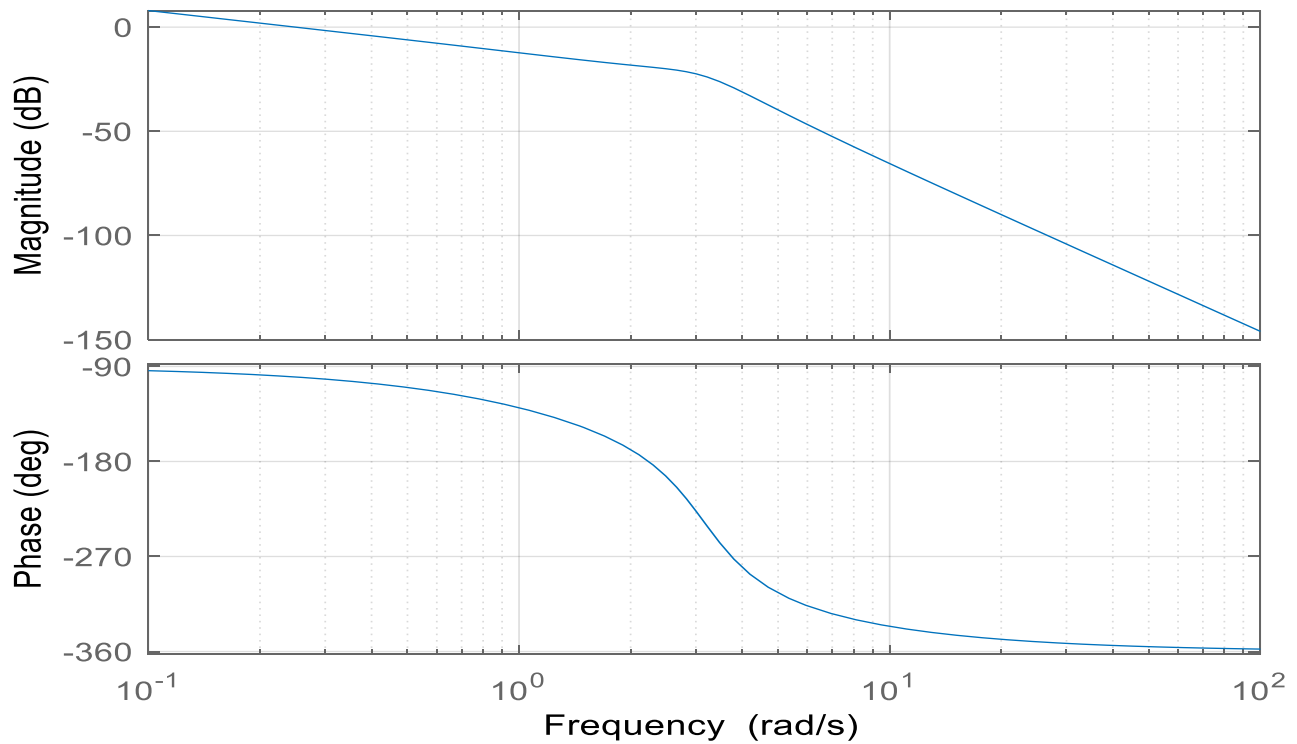
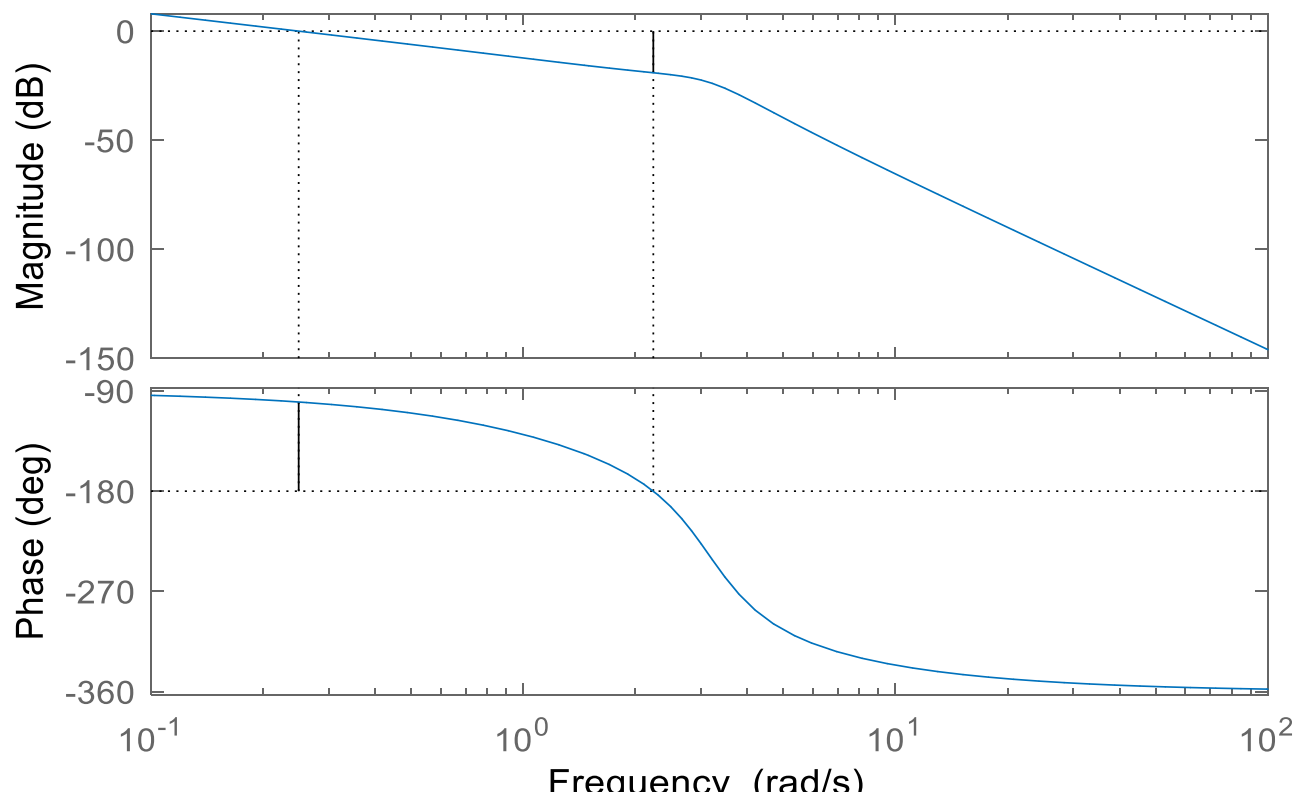
1.



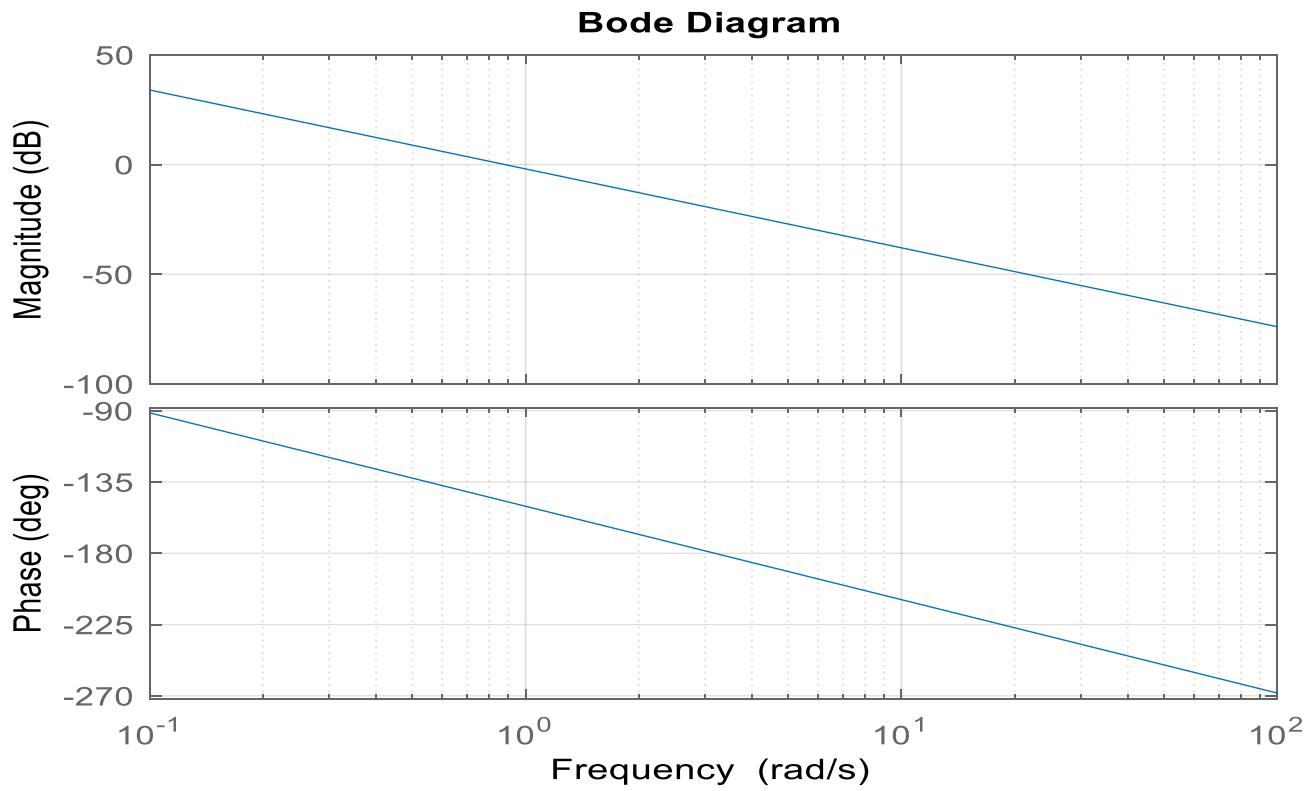
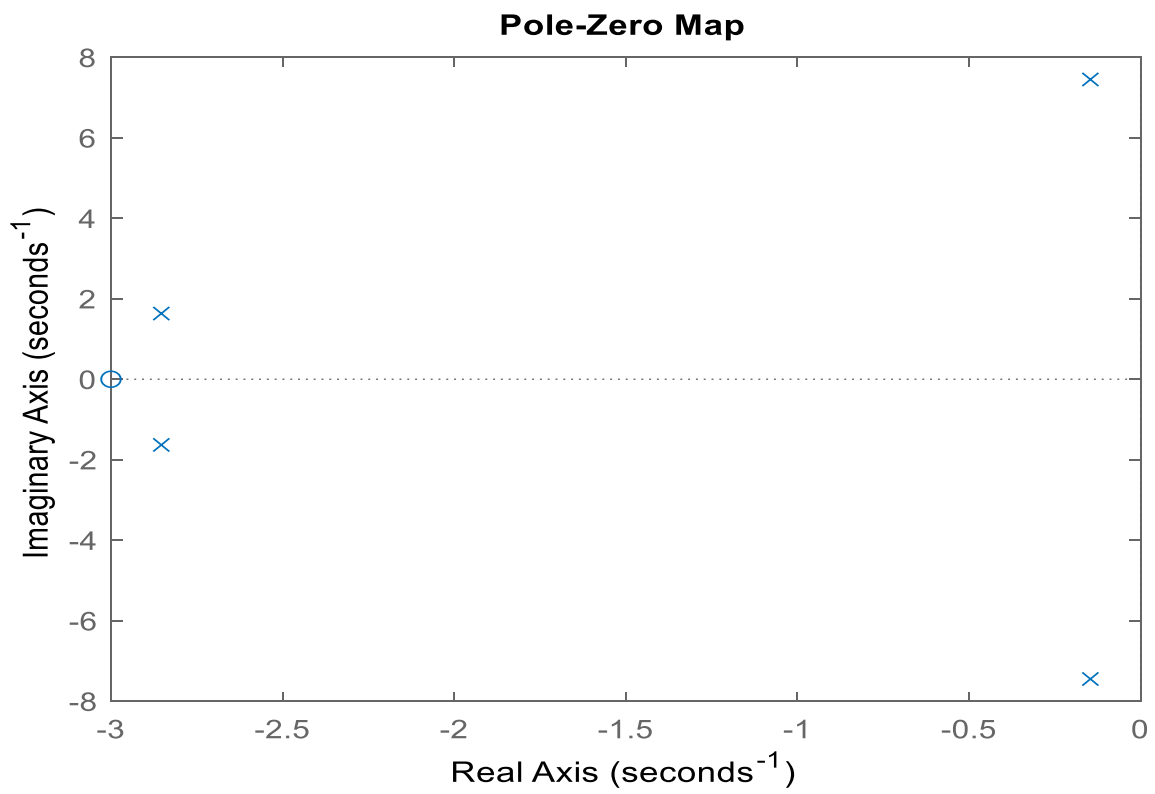
2.



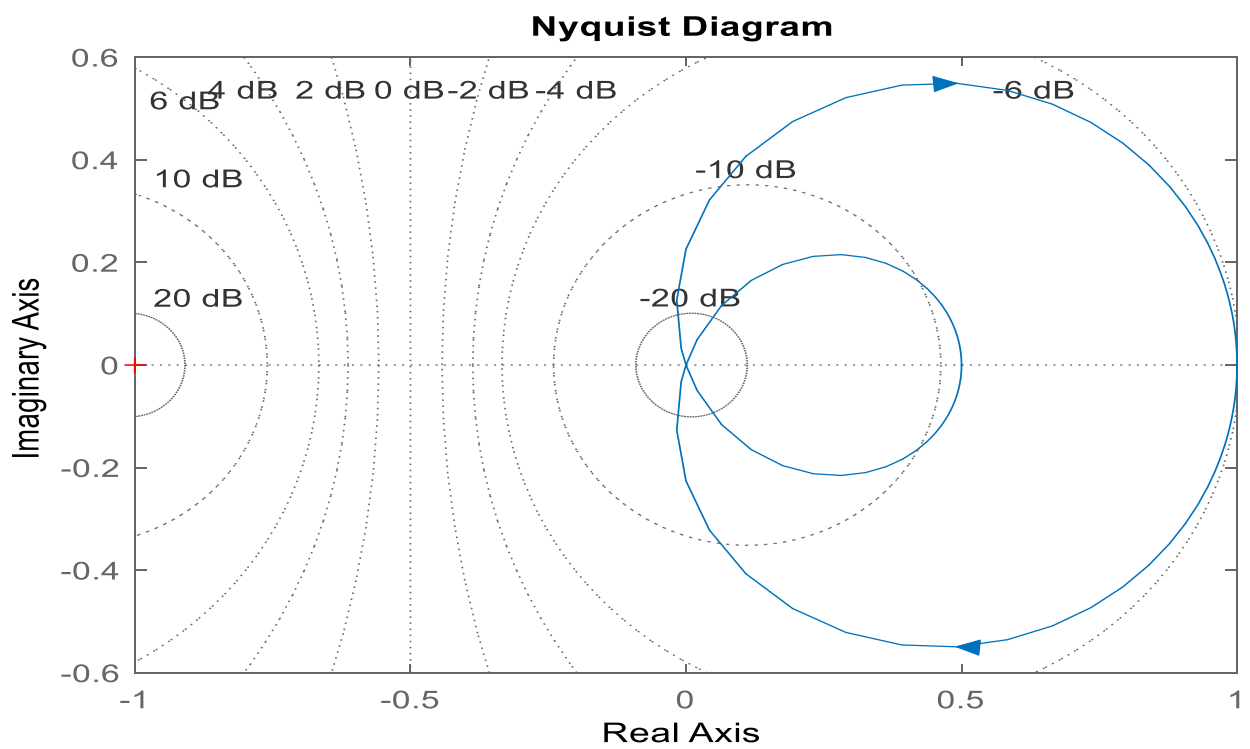
3.

**Bode Diagram****Bode Diagram****Gm = 19.1 dB (at 2.24 rad/s) , Pm = 80 deg (at 0.249 rad/s)**

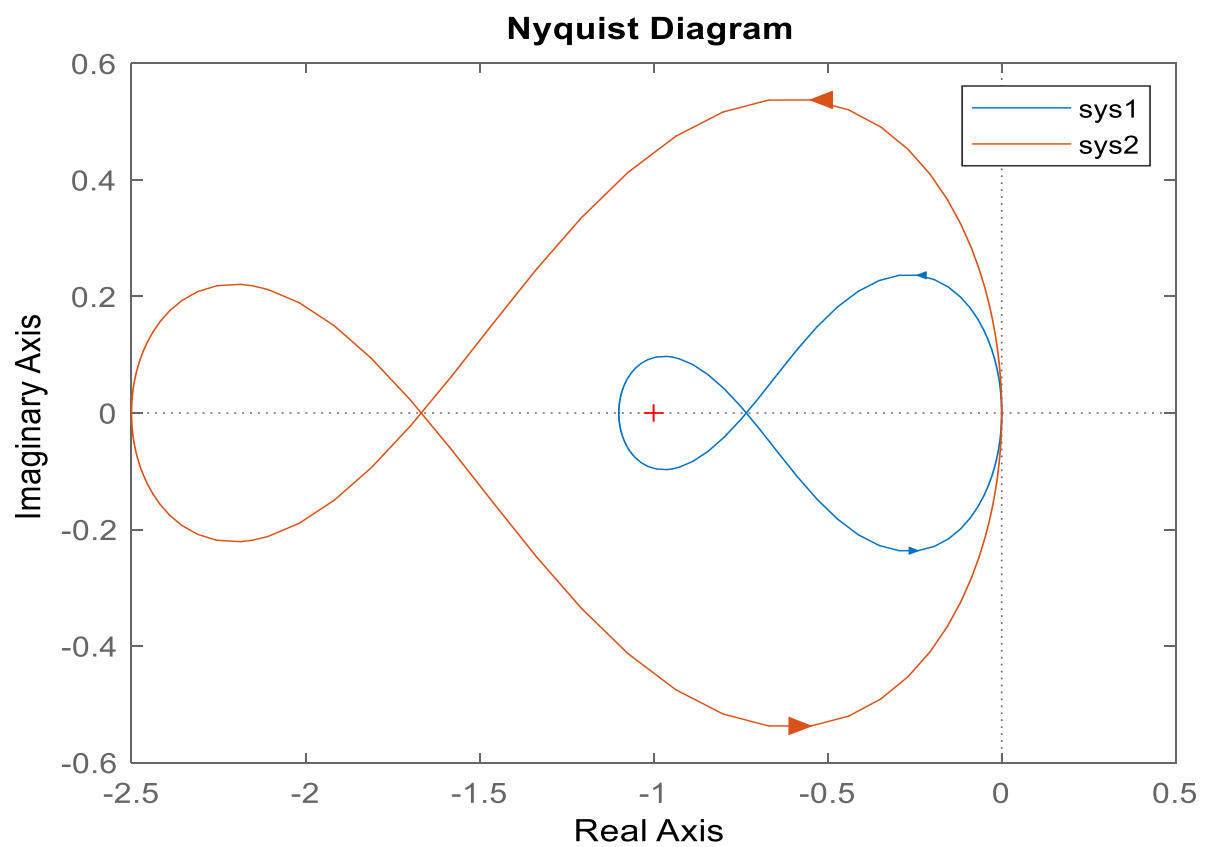
4.



5.

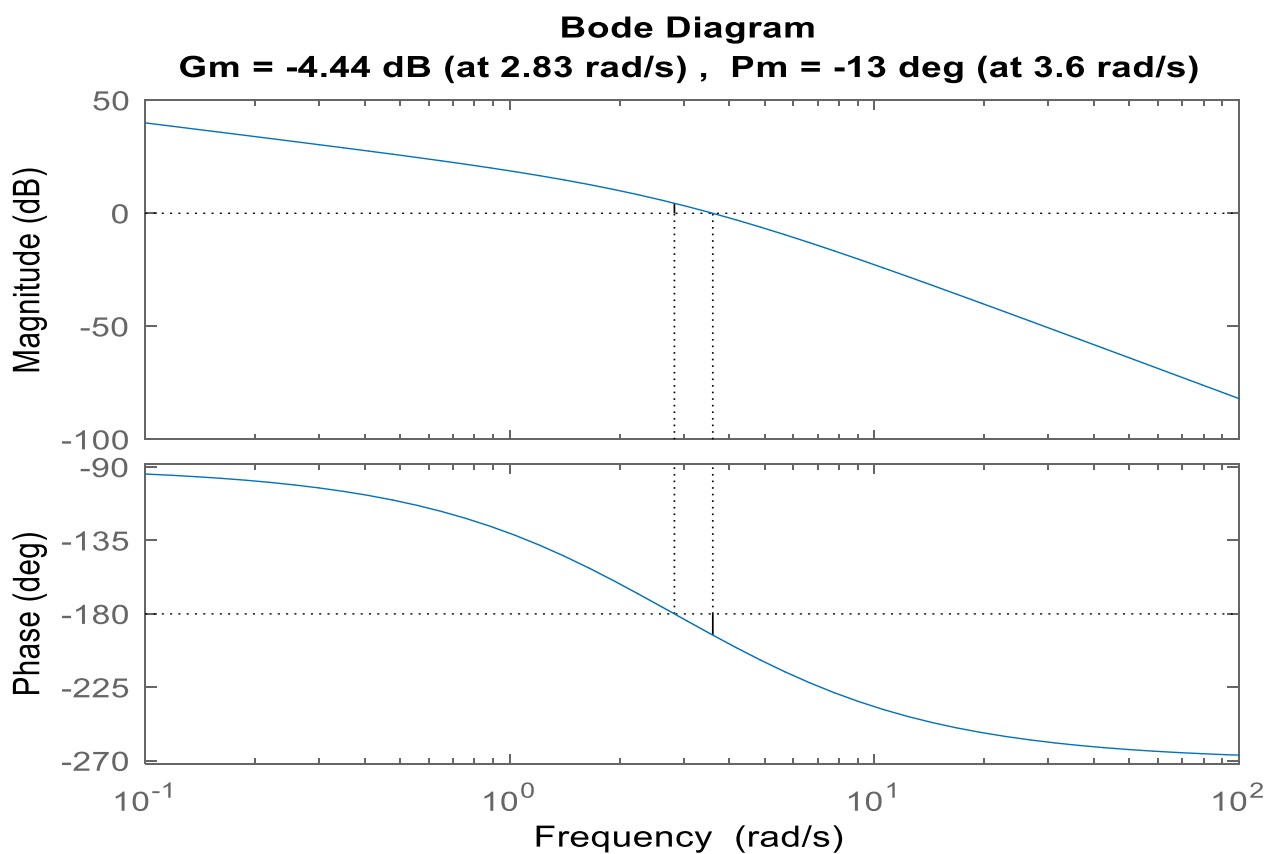
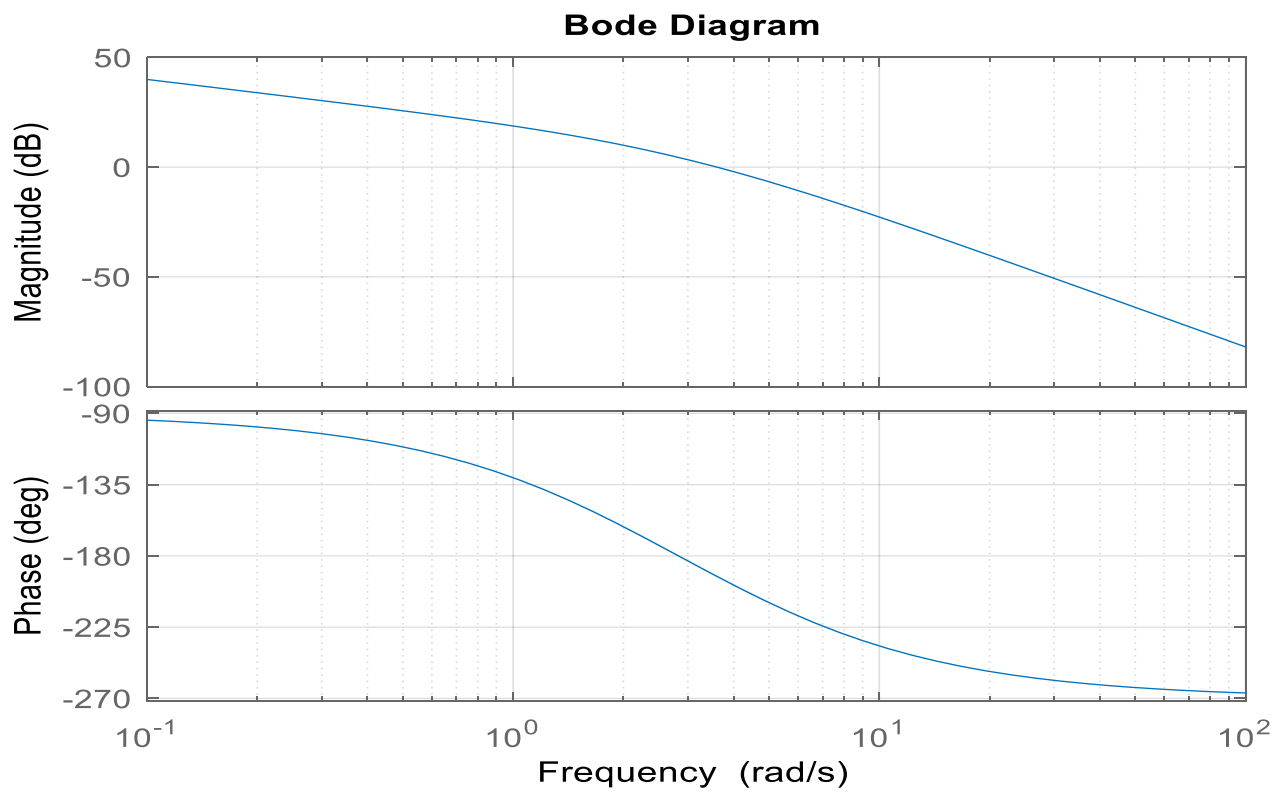


6.





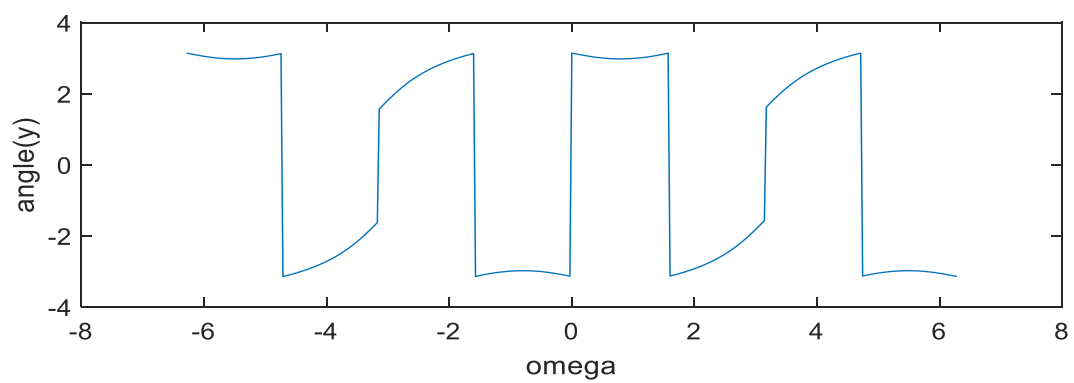
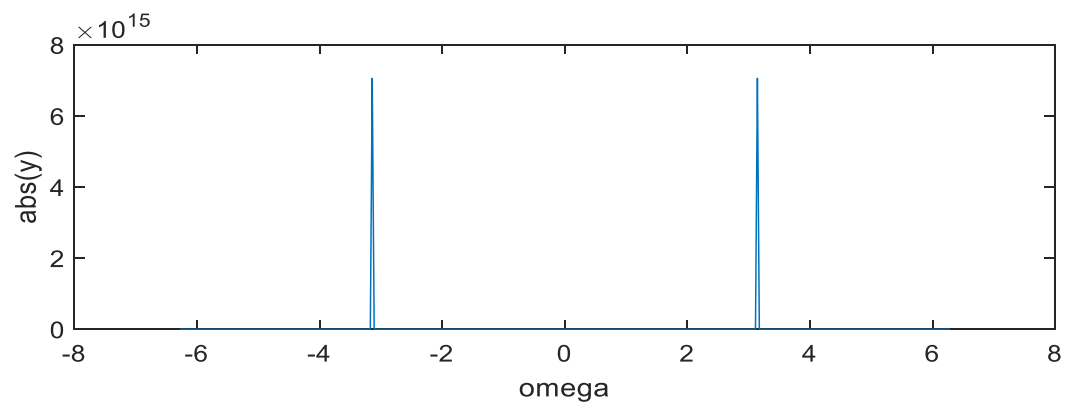
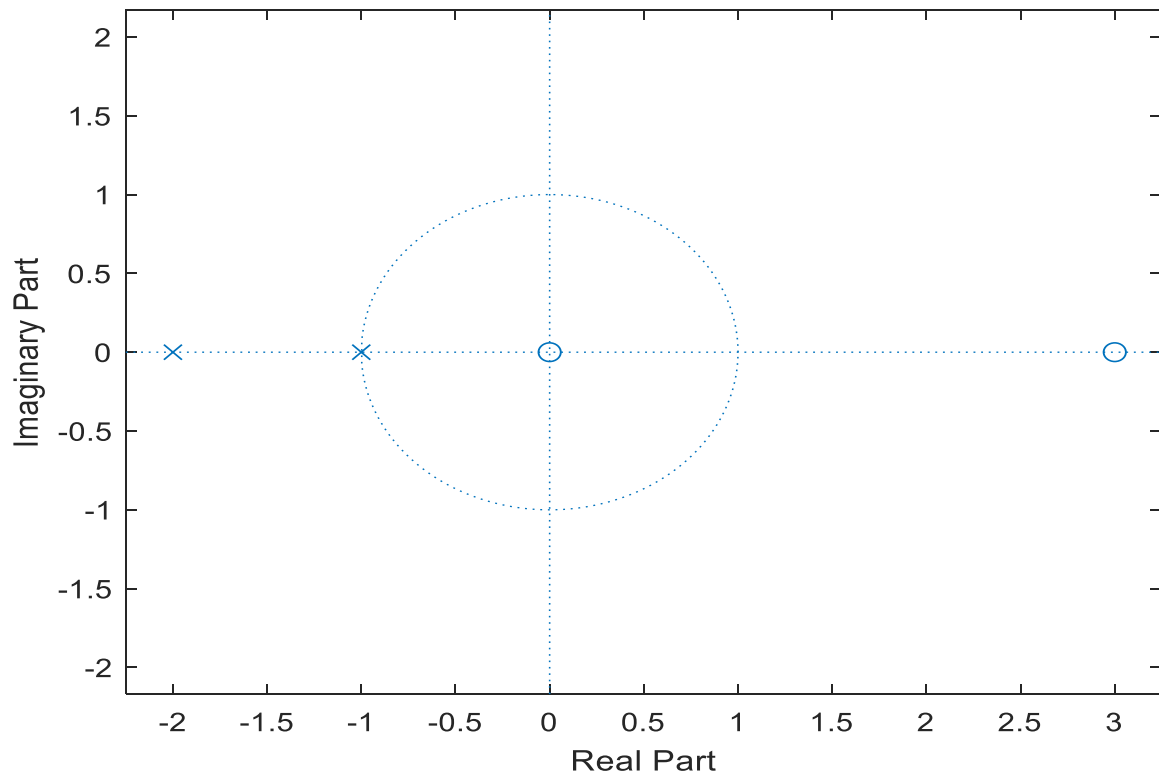
## Assignment 1:



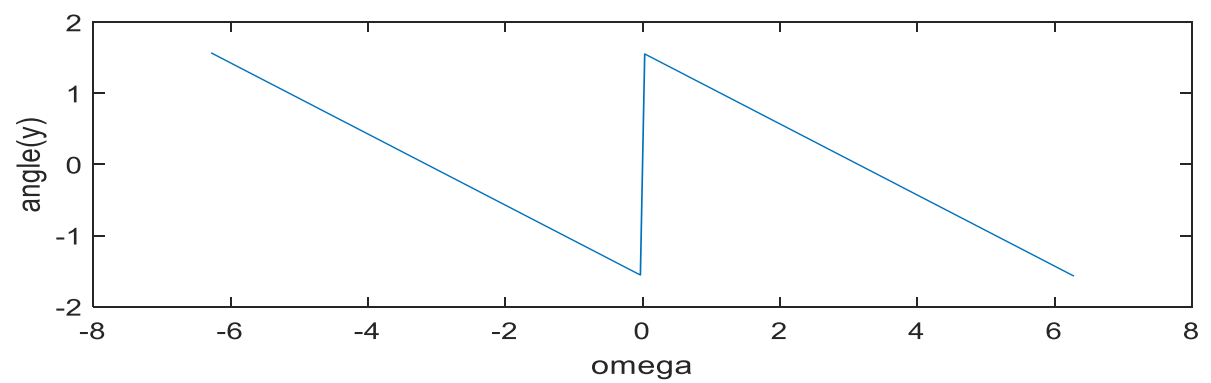
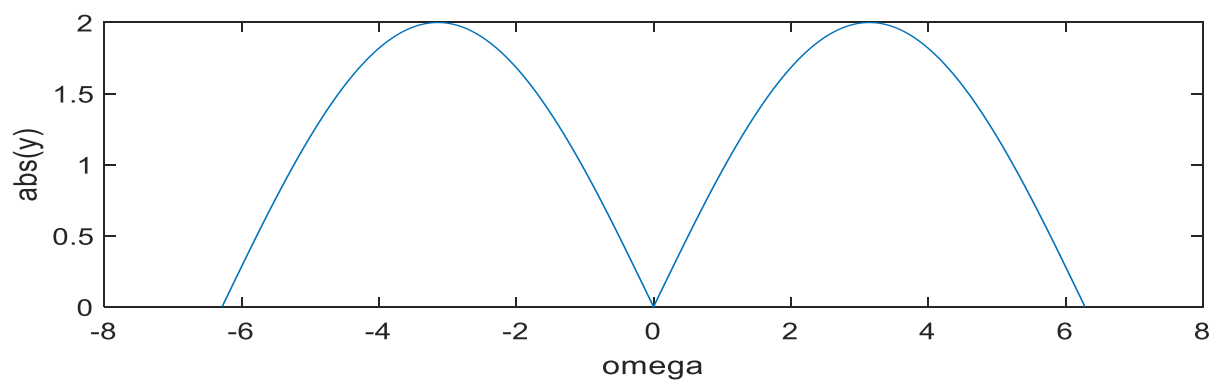
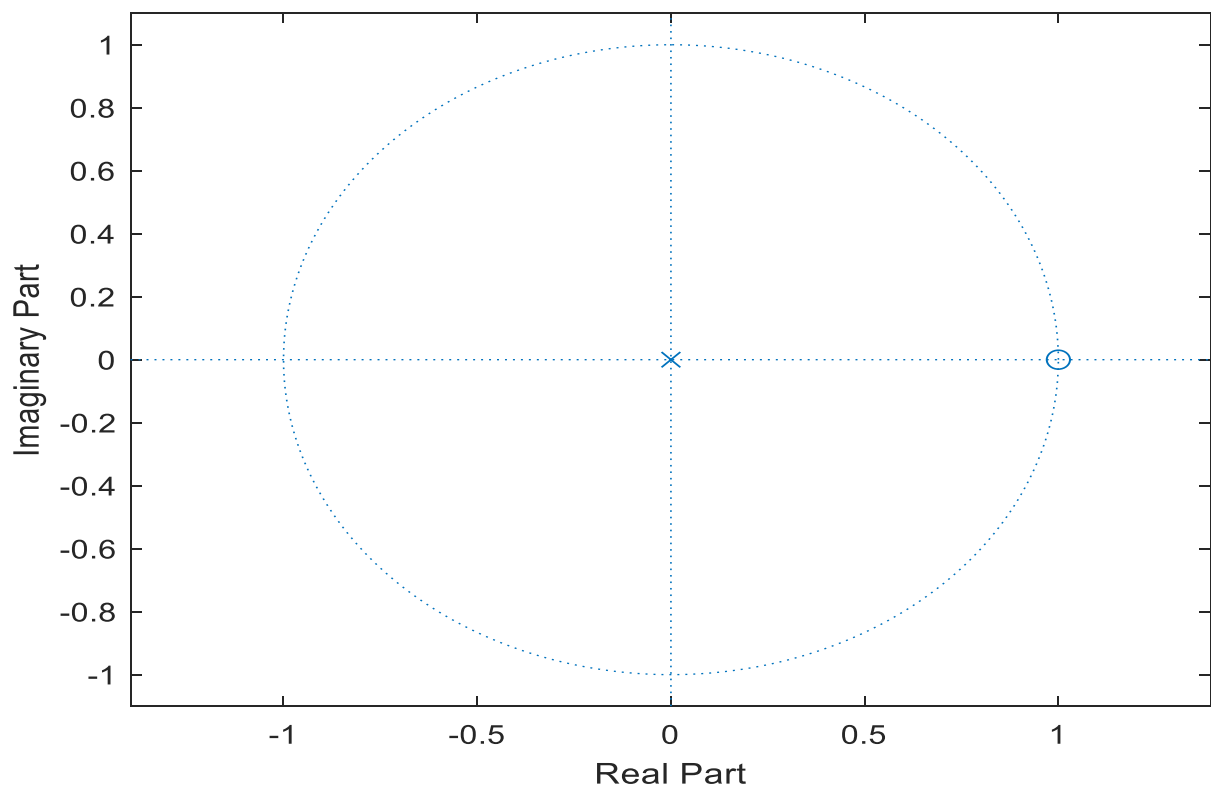
Exp-10

3.

Frequency Response



## Assignment 2:



Name: Sinchana S R

USN: 1MS17EC106