

## Bode & Nyquist Plots in MATLAB

```
G1=tf(1,[1 3])  
GOL=100*G1^3
```

```
bode(GOL)  
[mag,phase,w]=bode(GOL)  
figure(1)  
subplot(2,1,1), loglog(w,squeeze(mag))  
subplot(2,1,2), semilogx(w,squeeze(phase))
```

```
figure(2)  
[re,im,w]=nyquist(GOL)  
plot(squeeze(re),squeeze(im))
```

