Act#1

close all

clear al

r=220;

c=1e-6;

num=[0 1];

den=[r\*c 1];

sys=tf(num,den)

fc=(1/(2\*pi\*r\*c))\*(2\*pi)

[mag,phase] = bode(sys,fc)

[mag,phase] = bode(sys,[1e6 400e3 100e3 30e3 10e3])

subplot(2,1,1)

bode(sys),grid on

subplot(2,1,2)

bode(sys,{1e2 1e4}),grid on



Act#2

close all

clear al

r=220;

c=1e6;

num=[0.004867 1.947 194.7];

den=[1 333.7 0.32];

sys=tf(num,den)

fc=(1/(2\*pi\*r\*c))\*(2\*pi)

[mag,phase] = bode(sys,fc)

[mag,phase] = bode(sys,[0.024492 0.463464 6.60656 94.252124 7023.623])

subplot(2,1,1)

bode(sys),grid on

subplot(2,1,2)

bode(sys,{1e2 1e3}),grid on`

