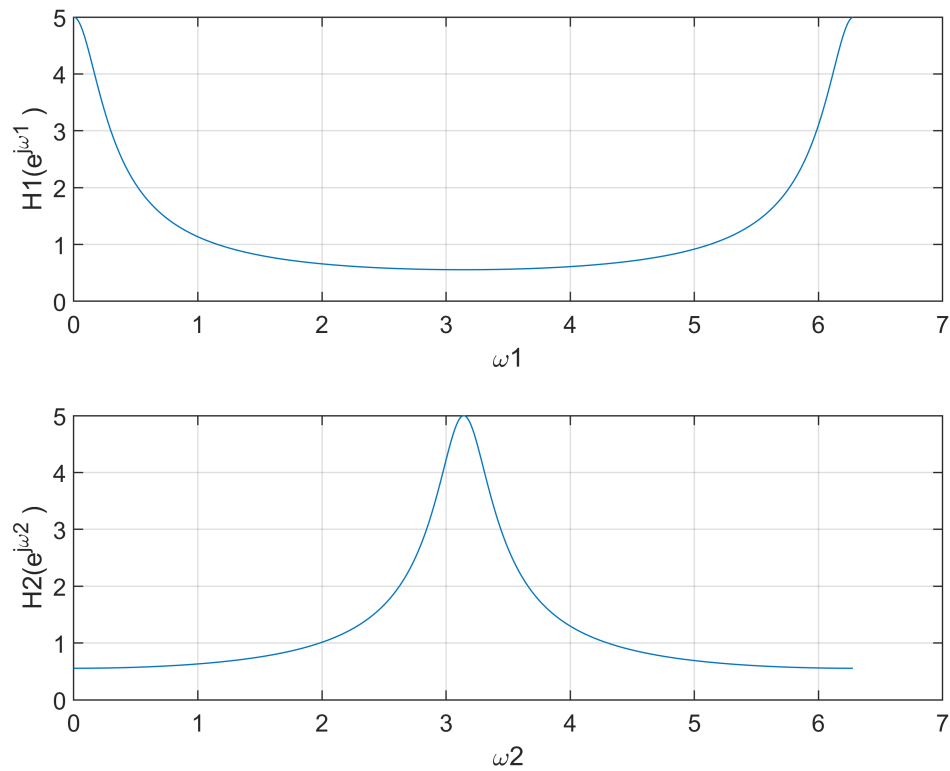```
a1=[1 -0.8];
b1=1;
a2=[1 0.8];
b2=1;
[H1, omega1]=freqz(b1,a1,1024,'whole');
[H2, omega2]=freqz(b2,a2,1024,'whole');
subplot(2,1,1),plot(omega1, abs(H1)),xlabel('\omega1'),ylabel('H1(e^{j\omega1})'),grid;
subplot(2,1,2),plot(omega2, abs(H2)),xlabel('\omega2'),ylabel('H2(e^{j\omega2})'),grid;
```



```
%H1 highpass;H2 lowpass
```