



```

N=300;
Fd=8;

df=Fd/(N-1);
h=[-2.7 -1.2 0.4 zeros(1,N-3)];
f=-Fd/2:df:Fd/2;

H=fftshift(fft(h));
Hmod=abs(H);
Harg=unwrap(angle(H));

gset terminal postscript eps monochrome "Helvetica" 16;
gset grid;
gset nokey;

gset output "Hmod.eps";
gset title "Amplitude-Frequency";
gset xlabel "Frequency (kHz) ";
gset ylabel "abs(H) ";
gset yrange [0:4];
plot(f,Hmod);

gset output "Harg.eps";
gset title "Phase-Frequency";
gset xlabel "Frequency (kHz) ";
gset ylabel "arg(H) ";
gset ytics 0.3141593;
gset autoscale y;
plot(f,Harg);

```