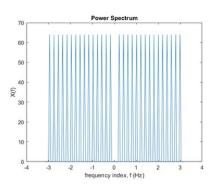
Language used: MATLAB.

source code: Problem_3a.m

Plot file: Problem_3a. prg.

figure : figure (a)



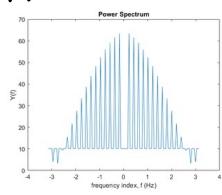
<u>(b)</u>

Language used: MATLAB

source code: Problem_36.m

plat file: Problem_36.png

figure: figure (b)



similarity or differences: In figure (a), at different frequencies the signal has equal maximum peak. And in figure (b),

the amplitude of the signal attenuates at higher bregnencies.

Minimum amplitude of the signal is bigger in fig (b), compared to fig (a). Maximum amplitude remains the same in both the conses.

Low-born filter:

After the averaging procedure, the transformed data cuto-off the high forguery signals and lets the low-frequency originals parons, are shown in figure (b).

This is exactly what a low-power filter does. So, the name in appropriate.