which was forked from

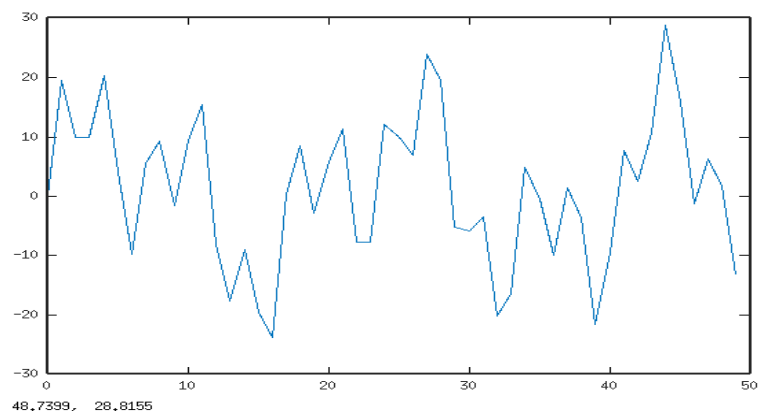git clone https://github.com/develone/filter-c.git
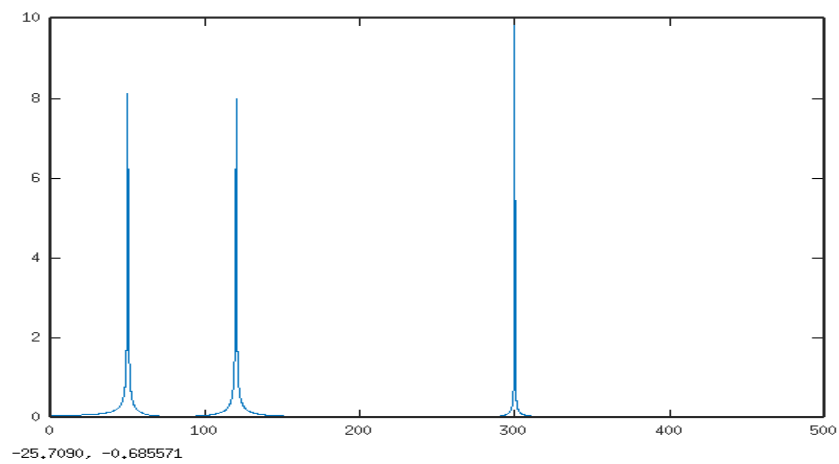cp example.c.low example.c
make clean; make
./example > aa.txt

static int gensindata(double *ptrsignal) from example.c

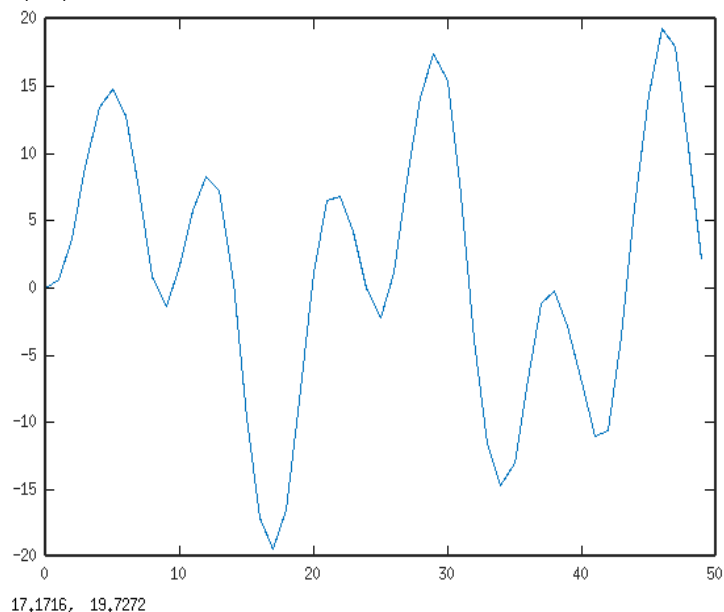*ptrsignal = (double)10*(sin(2*pi*50*t[i]) + sin(2*pi*120*t[i]) + sin(2*pi*300*t[i])); //no DC

48.7399, 28.8155

FFT computed in octave from mysig.

-25.7090, -0.685571

printf("%f,",
bw_low_pass(filter,
signal[i]));

17.1716, 19.7272

FFT computed from signal myfilt create with example.c

-25.7090, -0.685571