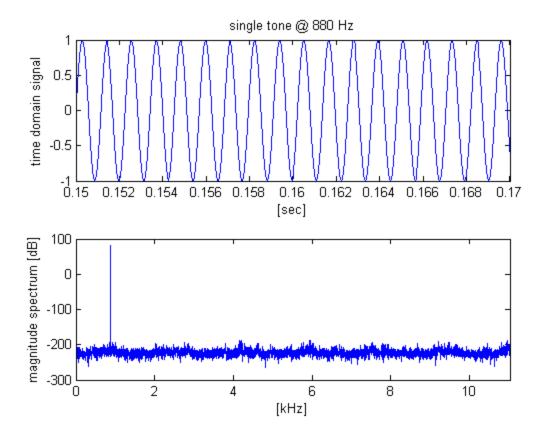
```
Fs=22050;
F0 = 440;
F1=880;
D=1;
t=linspace(1/Fs,D,Fs*D);
x0=sin(2*pi*F0*t);
x1=sin(2*pi*F1*t);
soundsc(x0,Fs);
soundsc(x1,Fs)
plot_spectrum(x0,Fs,'single tone @ 440 Hz', [0.15, 0.17]);
plot_spectrum(x1,Fs,'single tone @ 880 Hz', [0.15, 0.17]);
                                   single tone @ 440 Hz
         1
   time domain signal
       0.5
         0
       -0.5
         -1 <u>|-</u>
0.15
                                           0.16
                                                 0.162 0.164 0.166 0.168
               0.152 0.154 0.156 0.158
                                                                             0.17
                                           [sec]
       100
   magnitude spectrum [dB]
         0
      -100
      -200
       -300
                       2
                                   4
                                                6
                                                            8
                                                                        10
                                           [kHz]
```



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