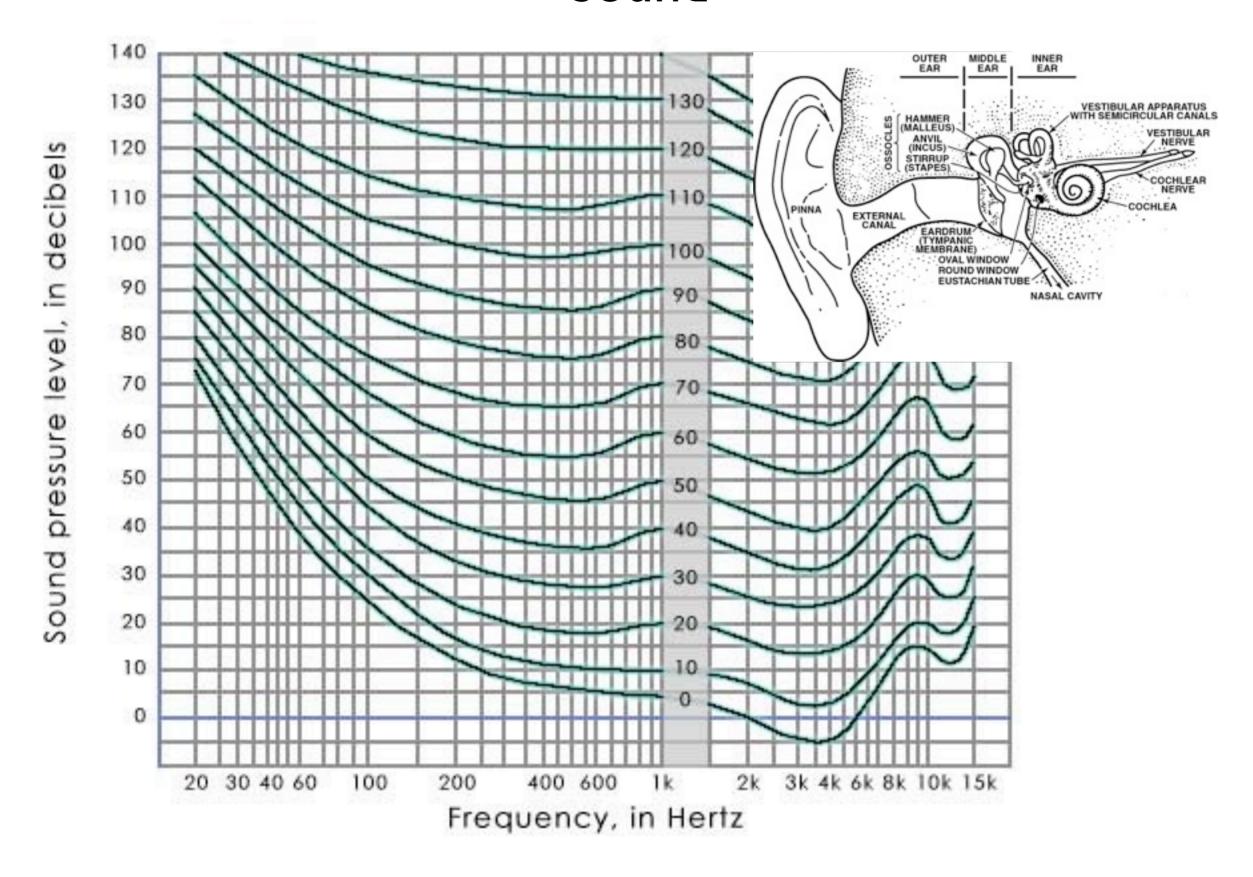
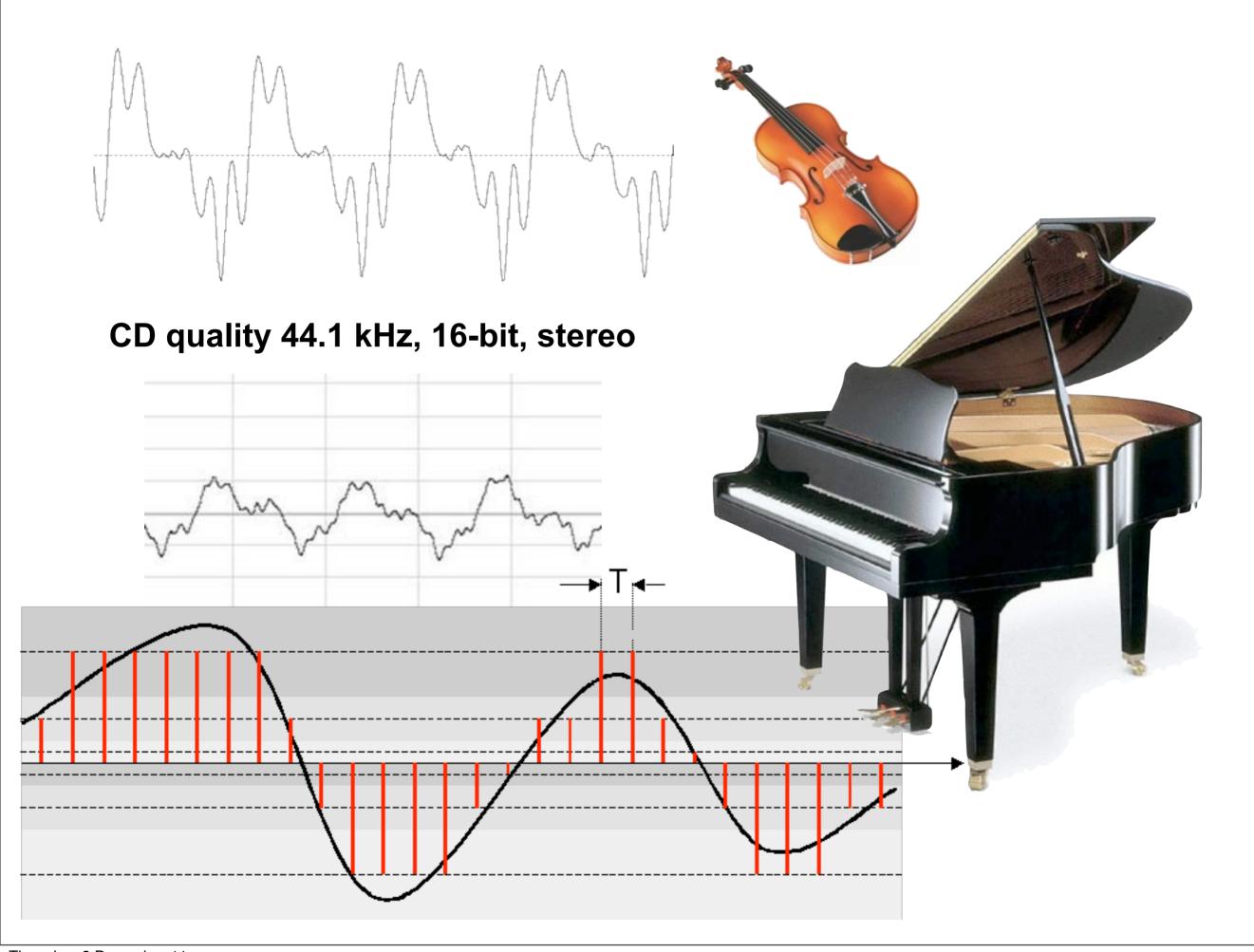
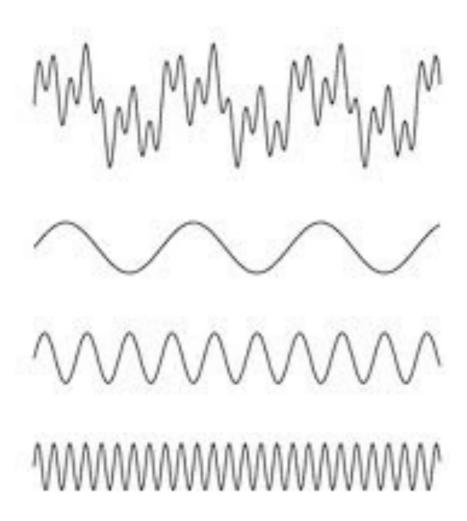
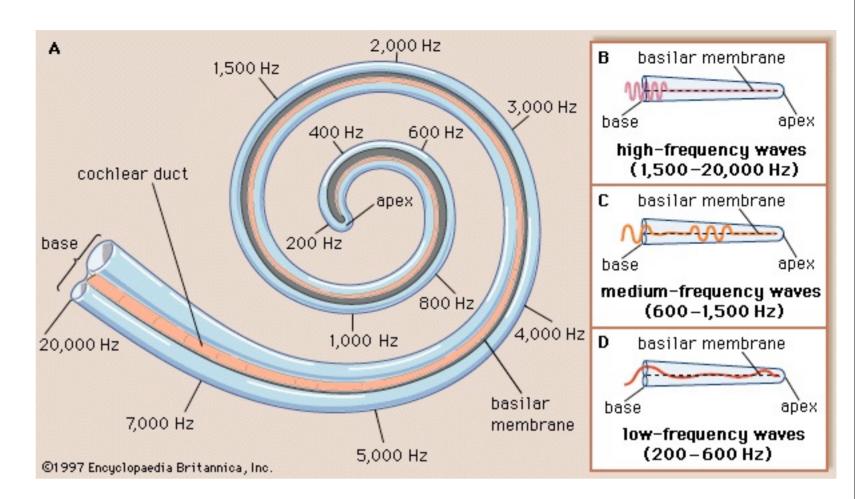
## Sound

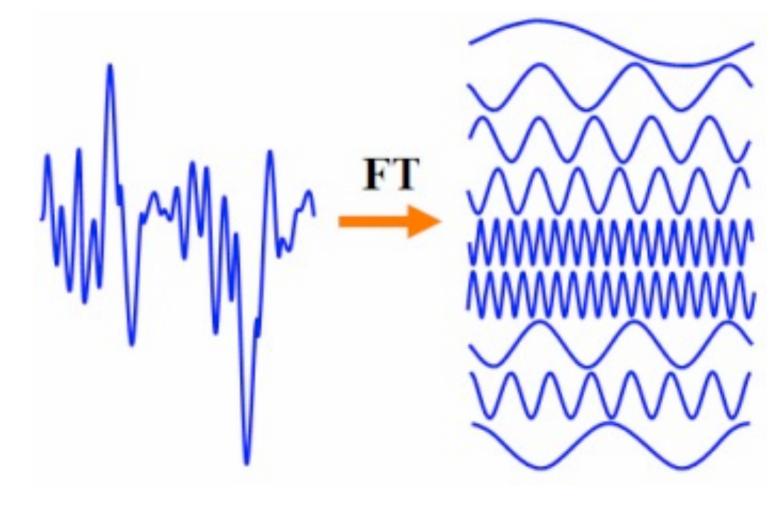


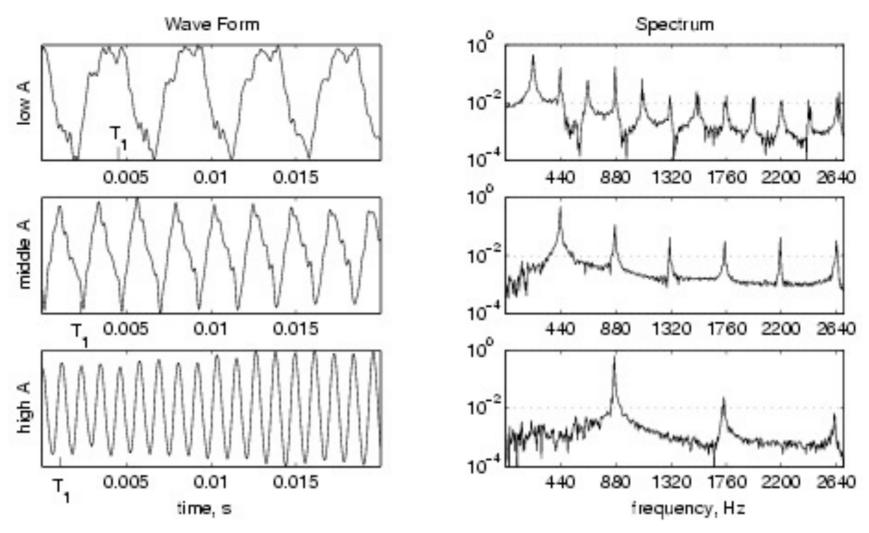


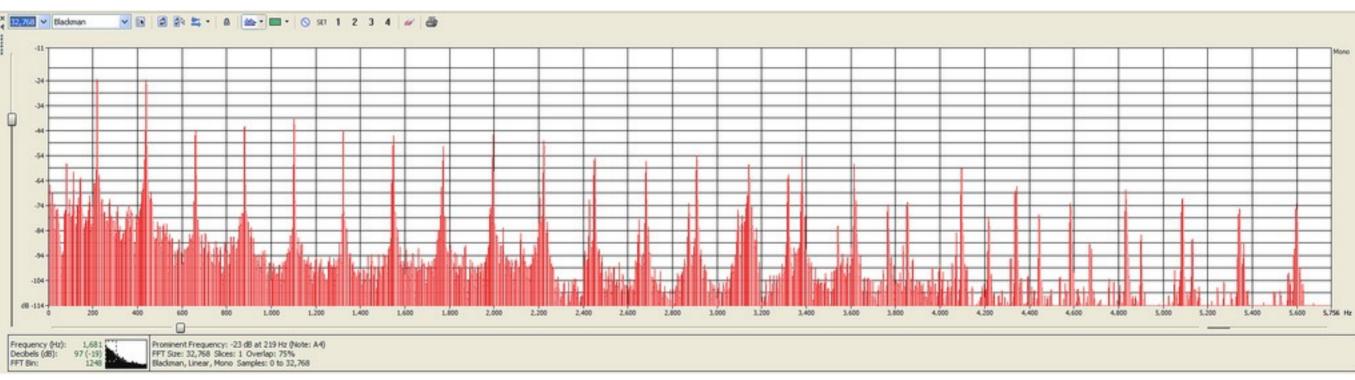


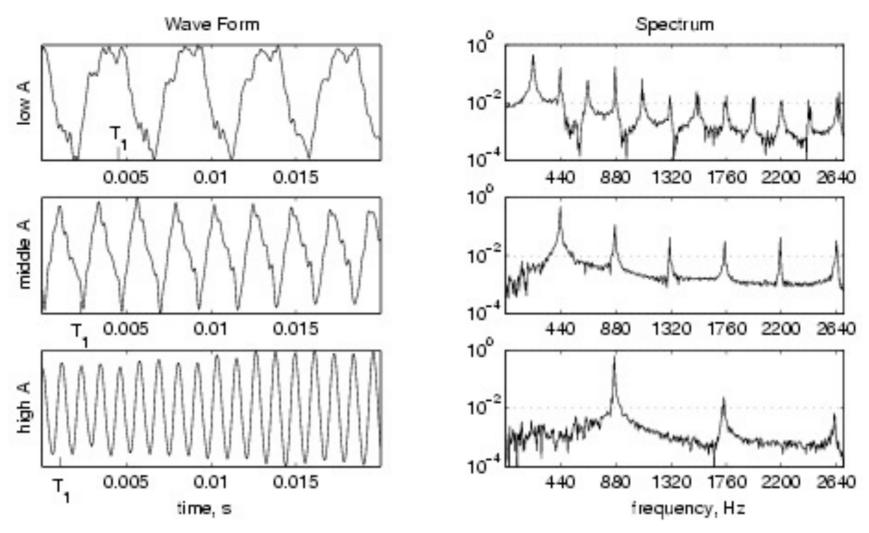
Fourier Analysis: the complex wave at the top can be decomposed into the sum of the three simple waves shown below.

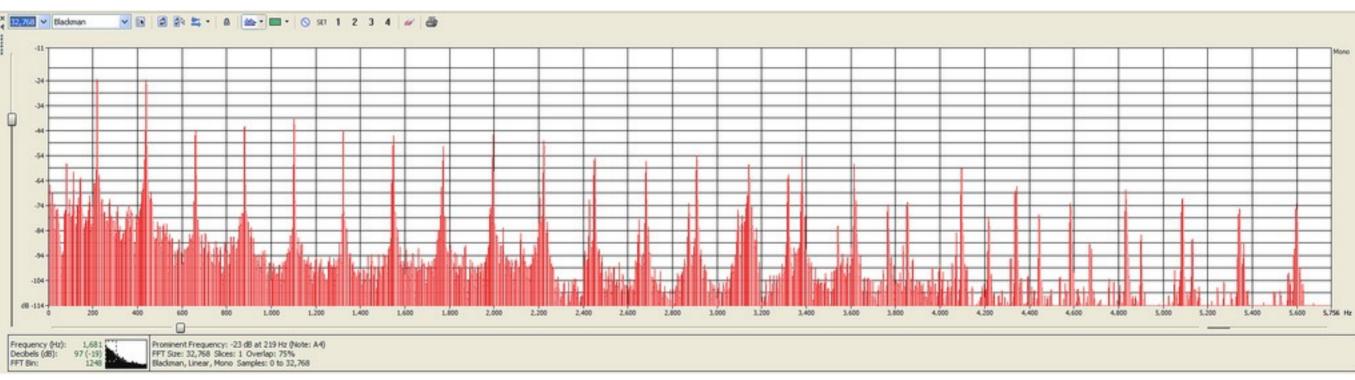


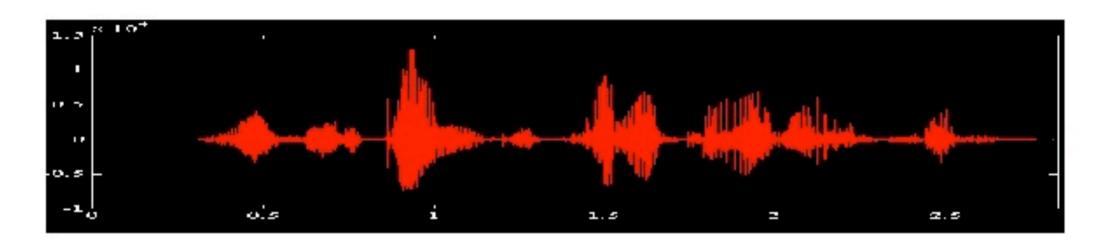


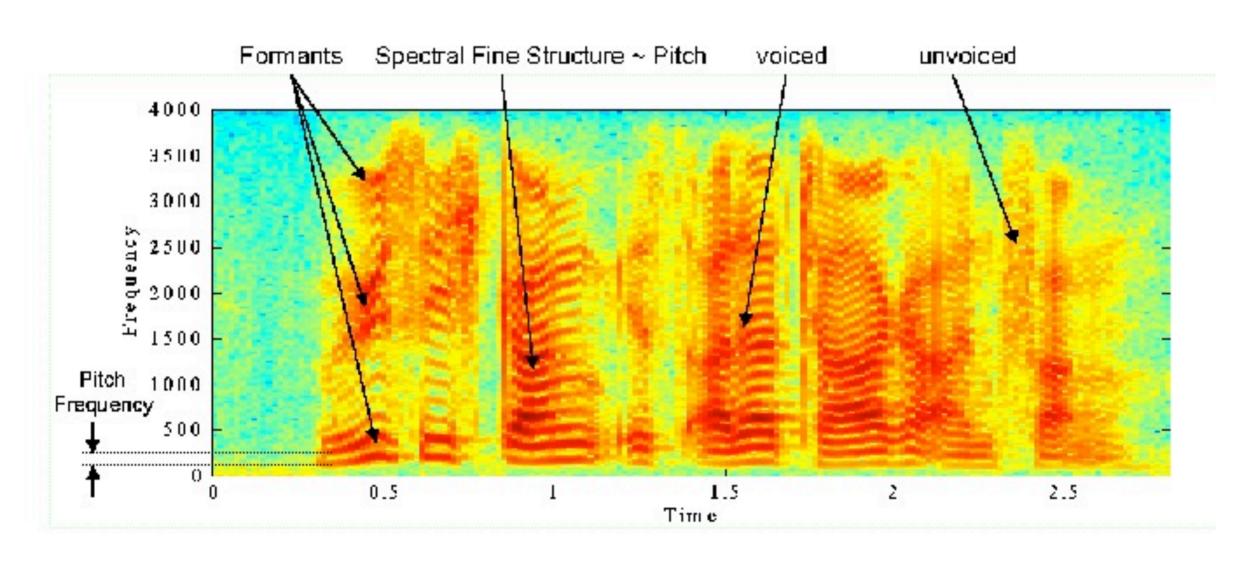


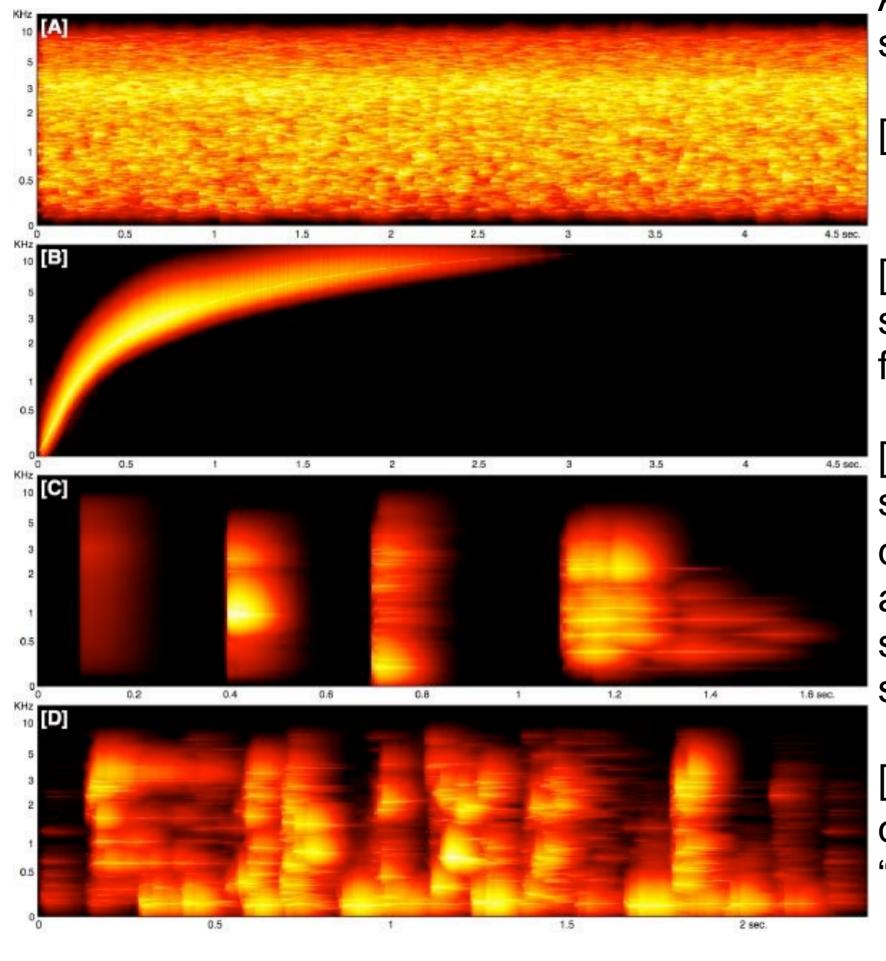












Auditory spectrogram of

[A] white noise;

[B] a pure tone sweeping linearly from 20 to 20K Hz;

[C] four short sounds, including a digital click, a clave, a snare drum, and a staccato violin sound;

[D] a short excerpt of James Brown's "Sex machine."

