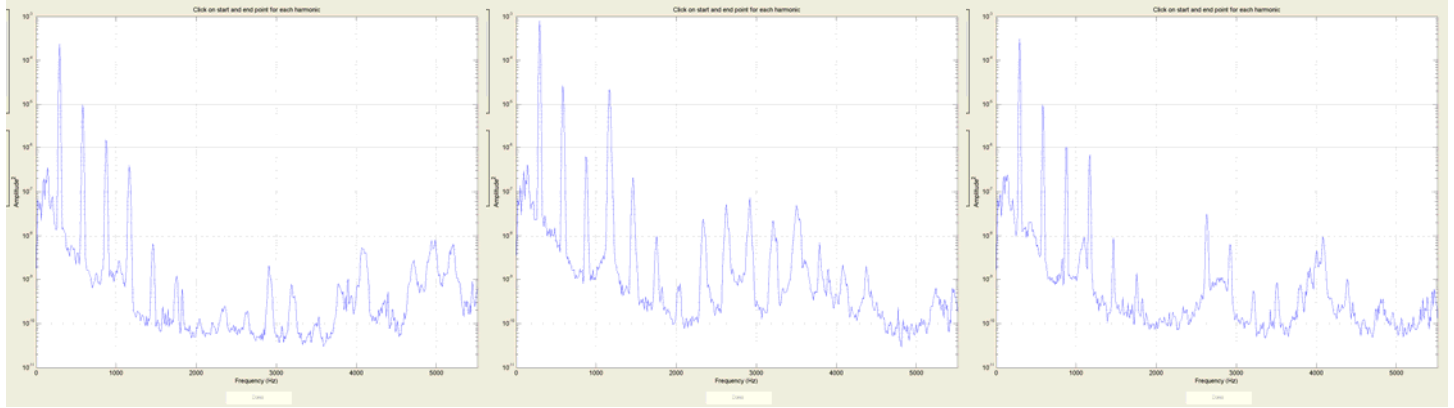


- Human vocal chords vibrate as 1-dimensional system – produces integer-related harmonics when singing a note – i.e. $f_n = nf_1$, $n = 1, 2, 3, \dots$. Comparison of harmonic spectra of three female students in P193POM course singing the same note D4 “ooooh” (293.66 Hz):

Abby:

Molly:

Cheryl:



- As we have mentioned/discussed in previous POM lectures, there is ample evidence of the importance of music to our species – music very definitely can and does evoke **emotional responses** – because the sound-processing & music centers in our brains **are** wired into various of the emotional centers in our brains. Why is this? How did this happen?

