

Phys 1240: Sound and Music

LAST: resonance, and percussion instruments

TODAY: string, and wind instruments

NEXT: Exam. See web for details

READ: Nothing new for Thursday.

For a week from now, 4.1, then 4.5

(though, we won't really discuss refraction much. We'll come back to 4.2/4.3 NEXT).

Study session - Ramaley

RAMY C-250 Wed evening, 7-9!

CT 3.3.1a

Which lasts longer, the vibration of a string on an electric guitar, or on an acoustic guitar?

(Assume the same string, plucked the same)

A) Electric guitar strings vibrate longer

B) Acoustic guitar strings vibrate longer

C) Both should vibrate the same

D) ???

If I shorten the string of this instrument what happens?

- a) The pitch goes up
- b) The pitch goes down
- c) The sound gets louder
- d) The sound gets quieter
- e) More than one of these

What if I increase the tension?