

Phys 1240: Sound and Music

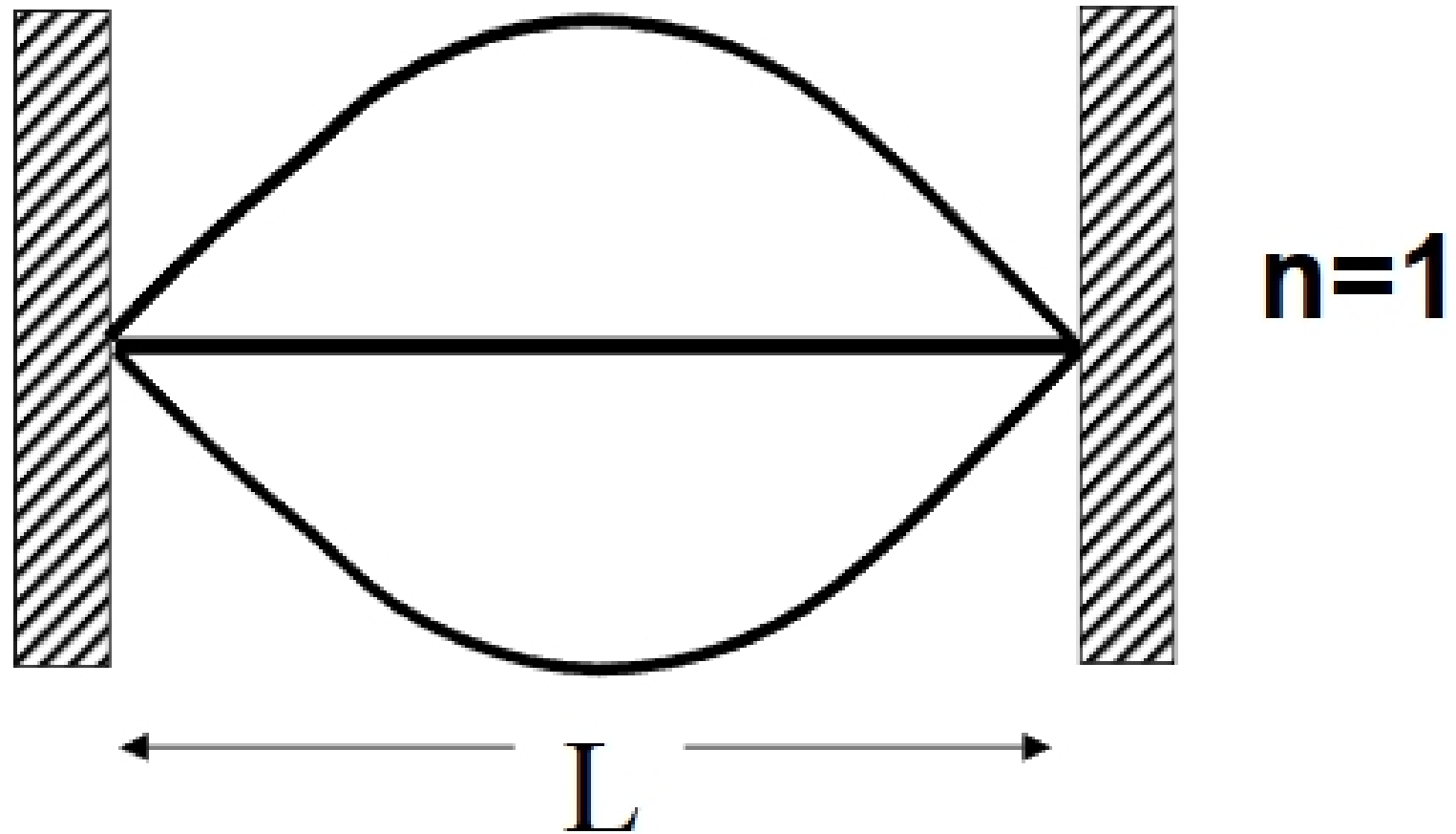
LAST: strings

TODAY: strings and harmonics

NEXT: perception & ears (then continuing with harmonics)

Reading: Chapter 10 lecture notes (for Tues: Hall 8.2)

Standing waves

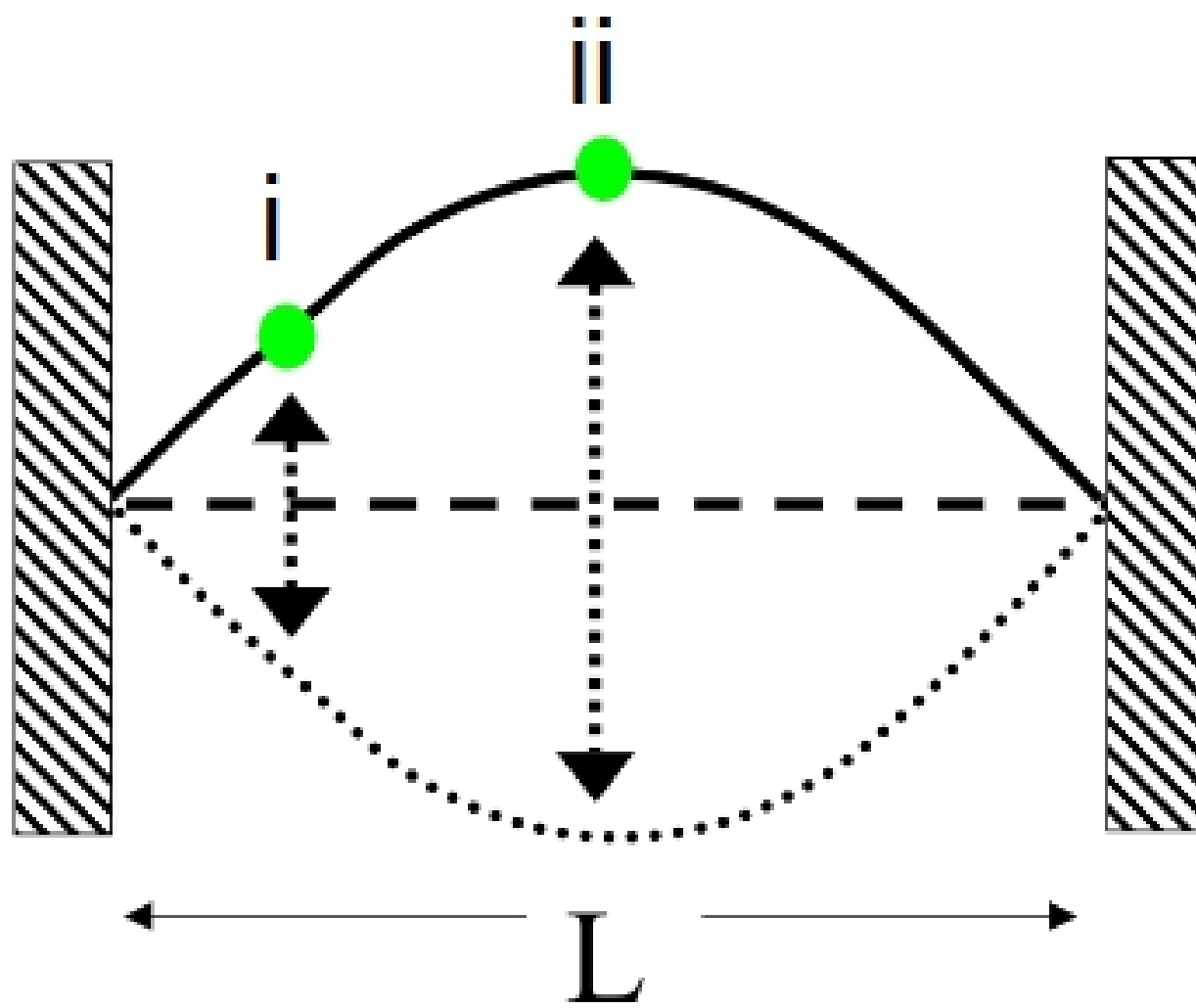


“The fundamental”

“The first harmonic”

Wave on string

Ct 10.1.4b



Which of the two points on the string oscillates with the LARGER (higher) frequency?

- A) Left point (i)
- B) Right point (ii)
- C) They both have the same frequency