

Phys 1240: Sound and Music

LAST: wind instruments

TODAY: wind instruments (+ AM/FM)

NEXT: J. Merkel on “sound in the studio”

No new reading!

CAPA #9 due next Tuesday

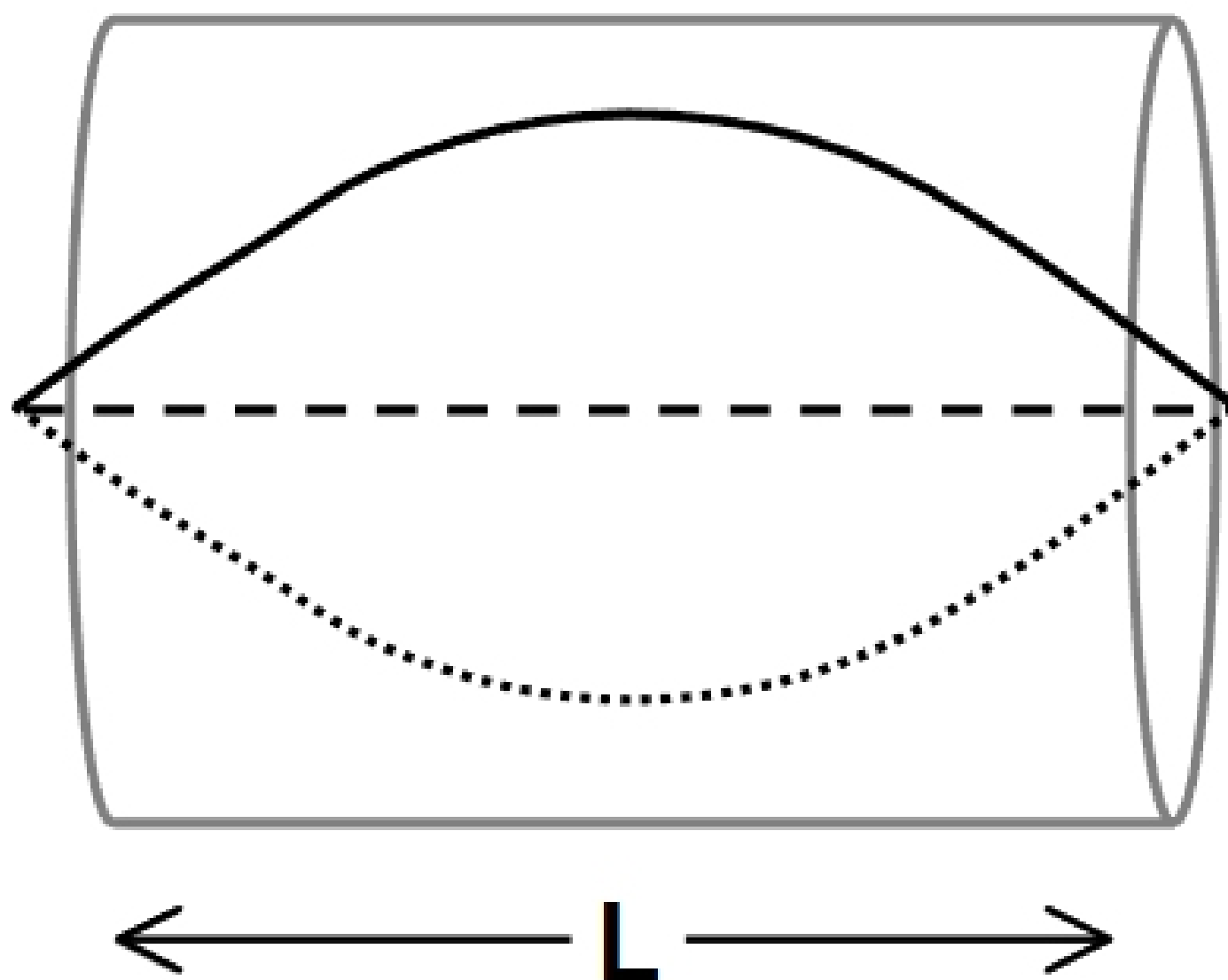
Chris and David's office hours accordingly rescheduled:

Chris Tuesday (usual time, 2-4)

David Tuesday (usual time, 4-6)

Open tubes

↑ overpressure



Pressure waves “fit” in the
open tube

$$n (\lambda/2) = L$$

Since $f \lambda = v$,

$$f_n = n (v/2L)$$

Usual harmonics -
same modes as a string!