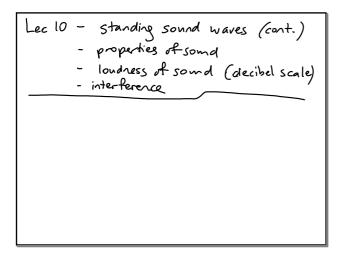
Untitled.notebook May 08, 2017

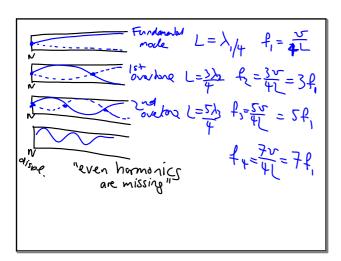


Standing Sound Waves

() pipe open at both ends (flute, recorder, recorder,

May 8-2:04 PM

May 8-1:57 PM



Rijke tube

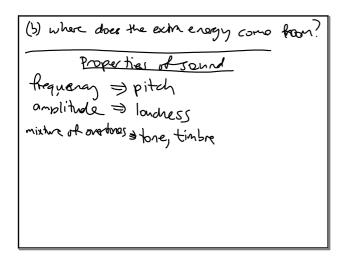
Alwater trombole

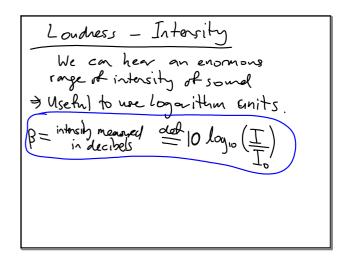
(a) Propose at L=27 cm

What is \?

May 8-2:08 PM

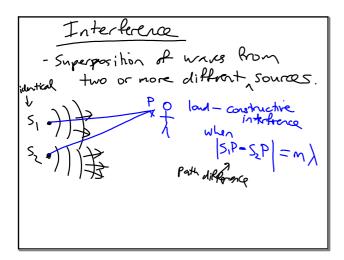
May 8-2:21 PM





May 8-2:29 PM May 8-2:34 PM

1



-similarly, get destructive interview when
$$|S_1P-S_2P| = \frac{\lambda}{2}, \frac{3\lambda}{2}, \frac{5\lambda}{2}, \dots$$
 $= (m+k) \lambda$
 $m=0,1,2,3,\dots$

May 8-2:40 PM

May 8-2:53 PM

where I is intensity in Wm-2

(power per unit area)

Io is a reference value

10-12 Wm-2

approx softest audible sound.

May 8-2:36 PM