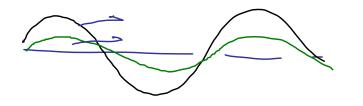
Phys 2110-4 4/26/13

Note Title 4/26/2013

Suparposition



CM structive interference

Beats

7

A fr

Orig sound)

pulses (beats)

Rate = | f_1-f_2|

880 lbs 883 blz 3 123

Rellection End of string 1) fixel. July 15-invented on reflection End of string 13 Fre to more. Pulse stays right-side up.

Standing Ward

Consine two
wars.

Same wordant, &

Same fry t

They op in opp

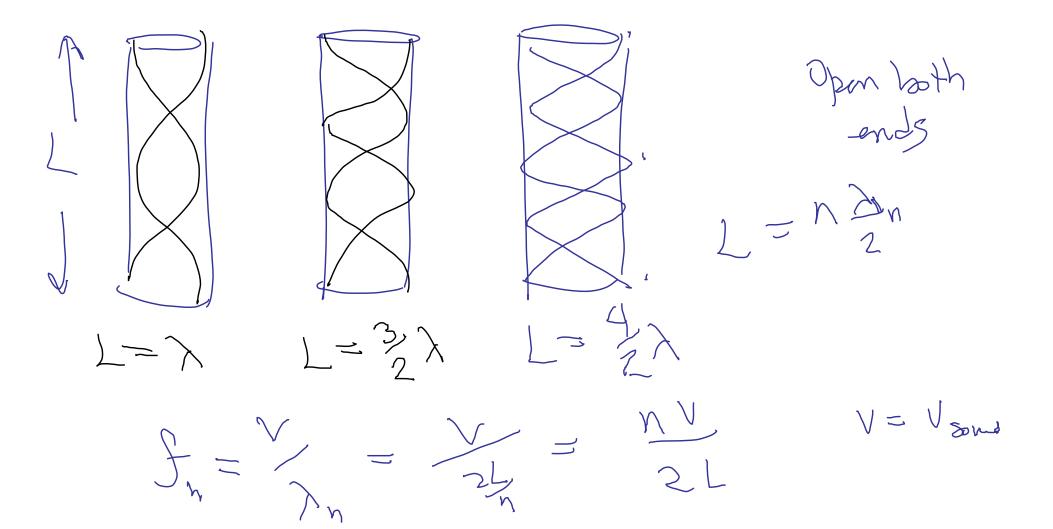
Jiv.

Some amplitude

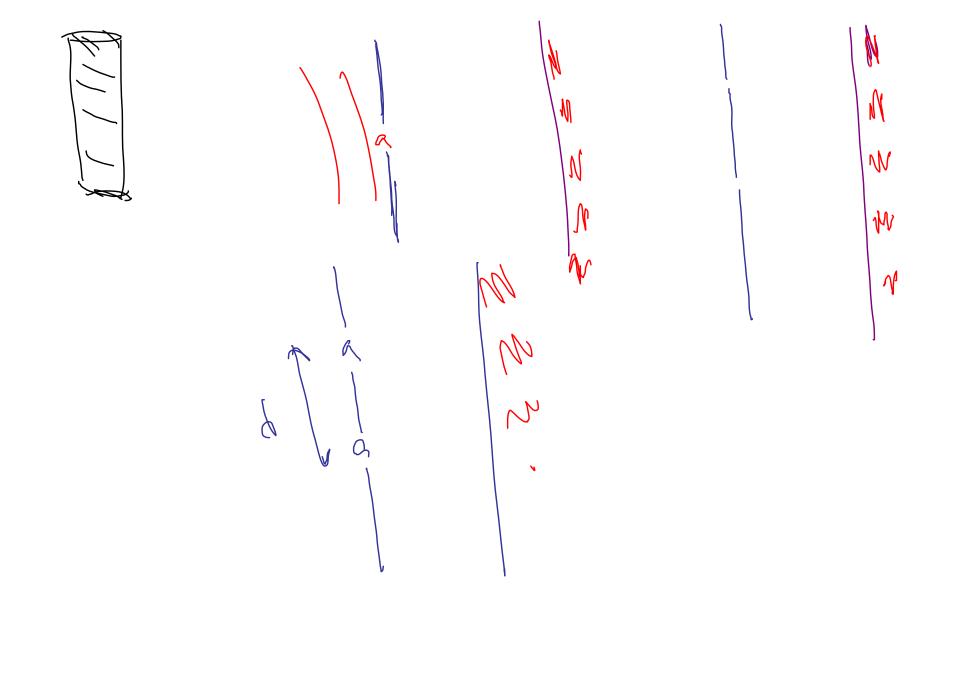
Standing ware frequence b set up a standing wave, string fixed at two points. Pluck string, Basically, see this pattan Free of vibr. string: V = N F 9= 1 = 51 "fundament d'mode

Next mode

Standy transverse Ware Standing longitudinal wave ends War vir motion. Min Press Myr Pressu



Pipe closed on one onds MAX n=1,3,5,



Moving source Wavelength small Speed of wares still

Same. Man hears

higher manch

frequency. Doward ma He hears.

I Toward

Toward

Toward

Toward

Toward

Toward