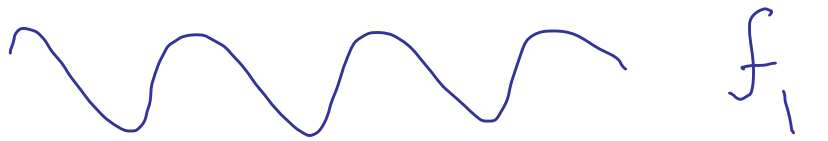
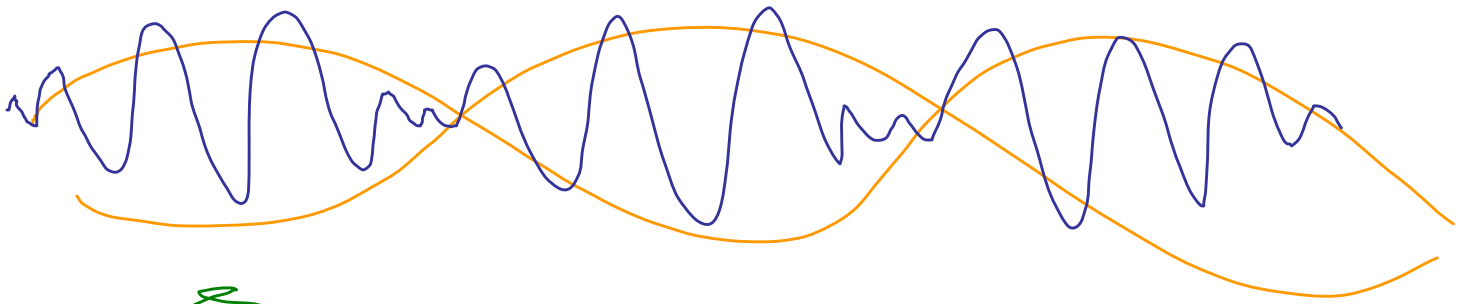
Phys 2110-4 4/18/12

Note Title 4/18/2012

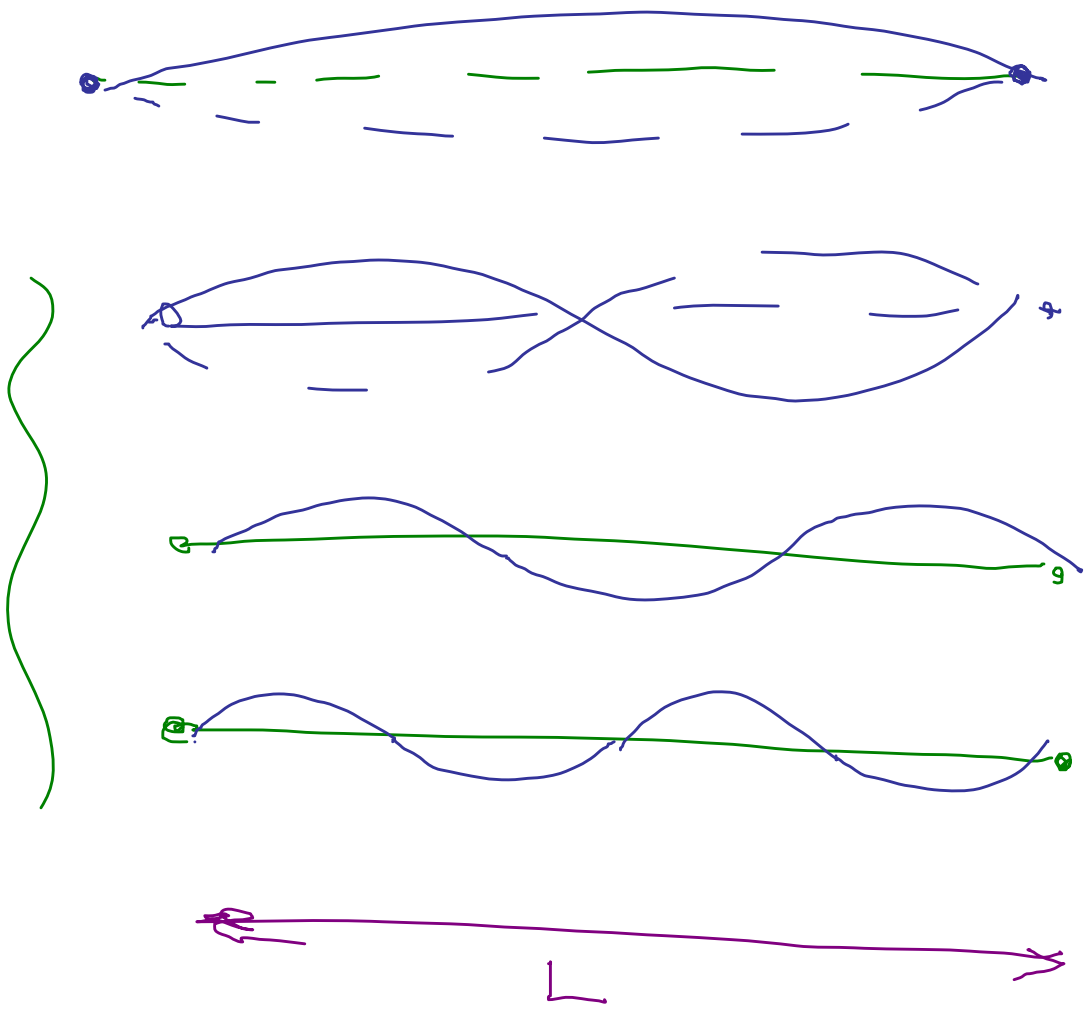
"Beats"





$$f_{pulse} = f_{beat} = |f_1 - f_2|$$

modes of vibration, harmonics & some



$L = \frac{\lambda}{2}$ $L = \frac{n}{2}\lambda$

$L = \lambda$ $n = 1, 2, 3, \ldots$

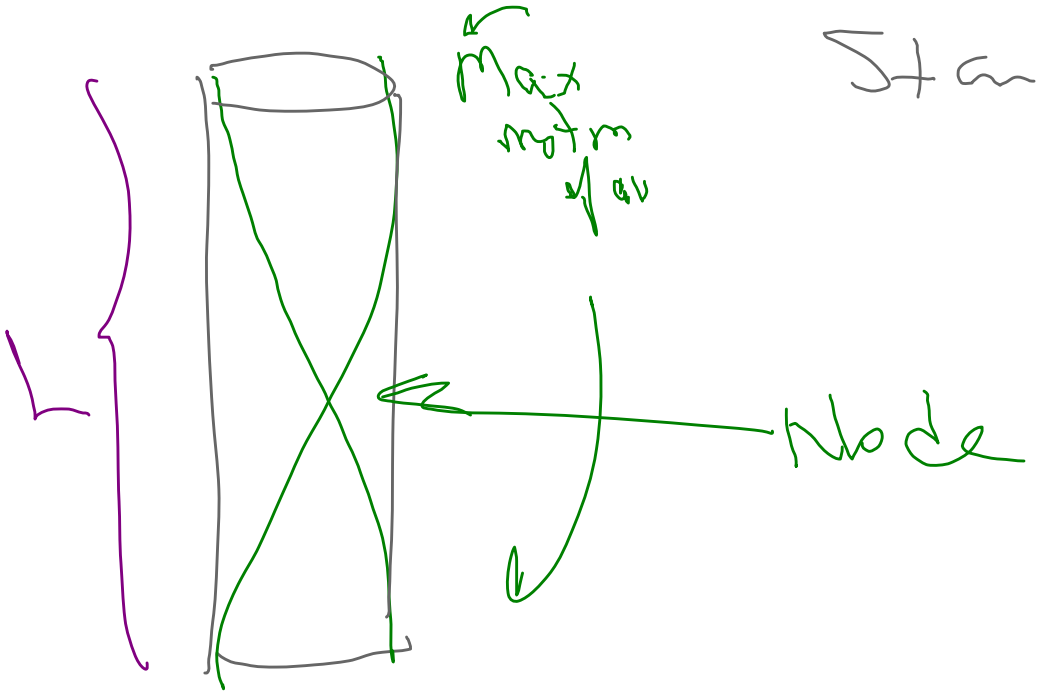
$\lambda = \frac{2}{n} L$

$L = \frac{3}{2}\lambda$ $f = \frac{v}{\lambda}$

$L = 2\lambda$ $f = \frac{nv}{2L}$

$f_n = n\frac{v}{2L}$

Standing Sound Wave



$$L = \frac{\lambda}{2}$$