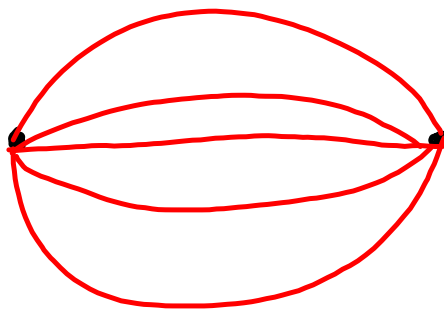
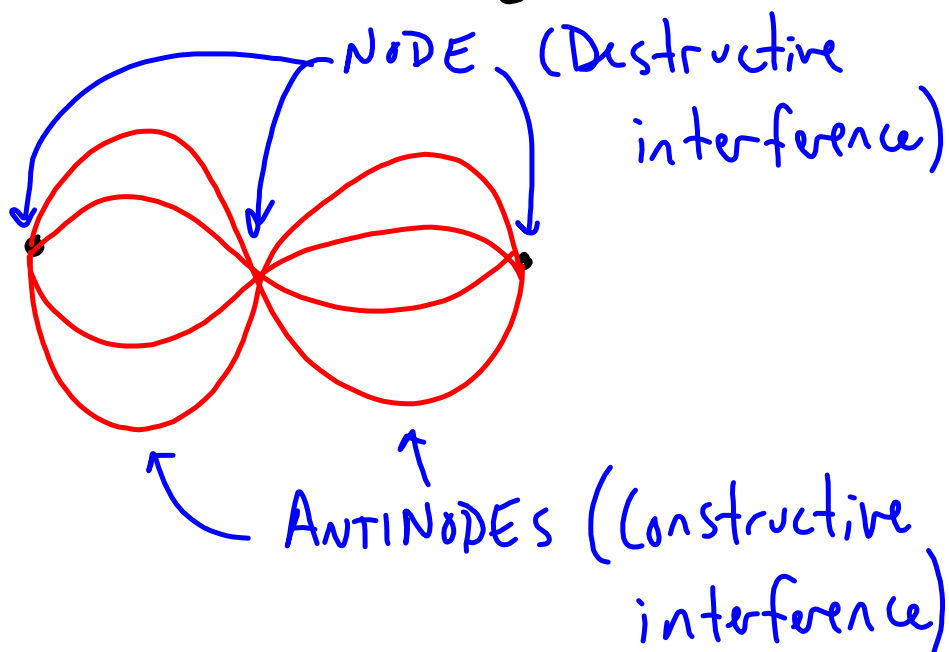


Harmonics

- String instruments
 - Fundamental frequency



- Second harmonic (f_2)



Waves definitions:

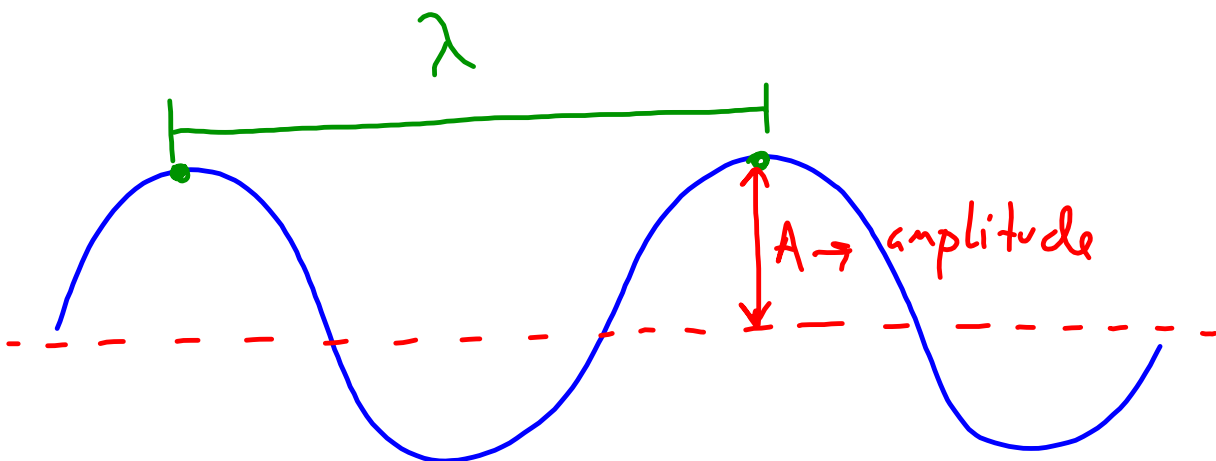
- speed \rightarrow how fast wave is moving $[m/s]$

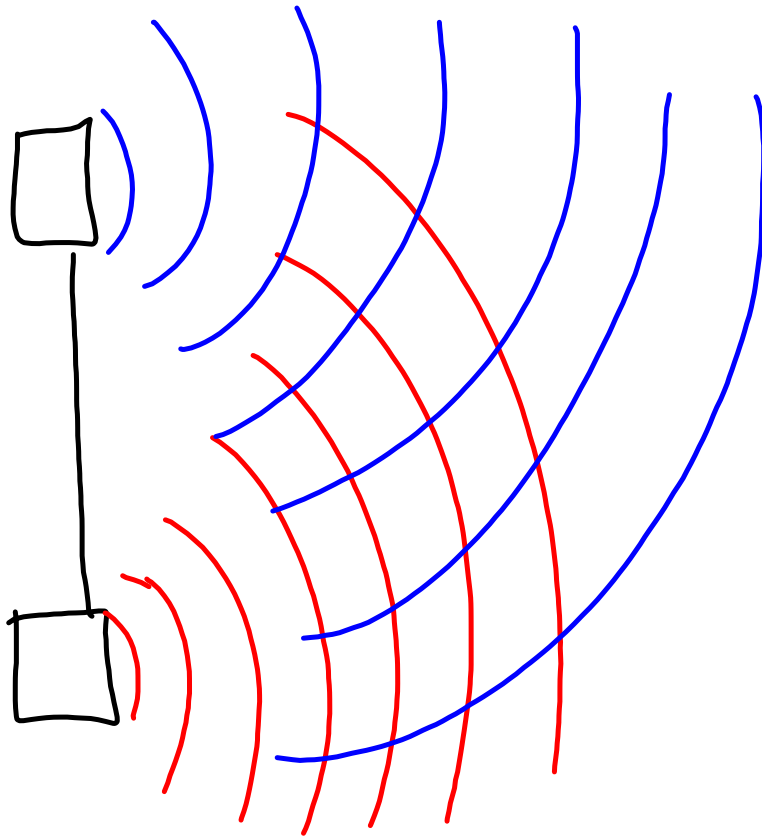
$$v = f \lambda$$

\downarrow Speed \downarrow frequency \swarrow wavelength
 (Greek lowercase "lambda")

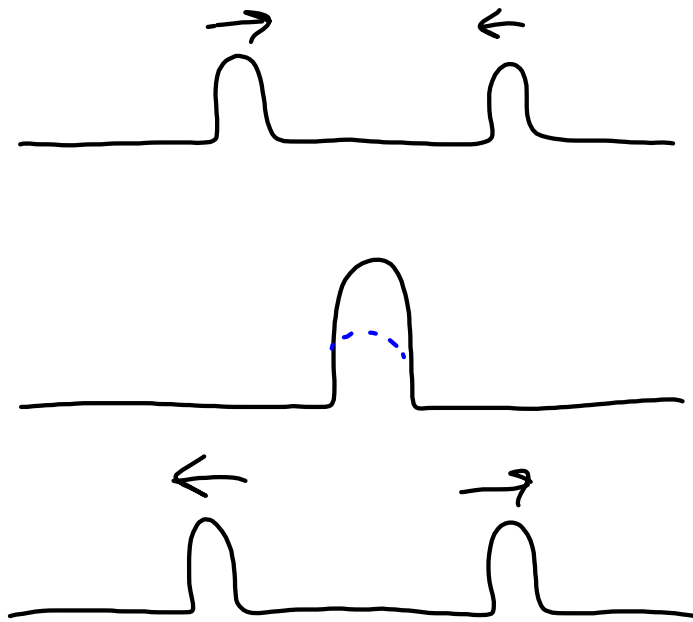
- frequency \rightarrow oscillations per second
 $[\frac{1}{s} \equiv Hz]$

- wavelength \rightarrow distance between two consecutive points on a wave $[m]$





- Constructive Interference:



- Destructive Interference:

