

## • Questions

- Suppose we have two loudspeakers. Each loudspeaker emits a sound wave of the same frequency. What does the observer hear if both Speakers transmit a sound wave simultaneously? (constructive or destructive interference)
- Why are the highest pitched strings on most instruments the most likely to break?
- Consider a harmonic wave traveling on a string. Describe the motion of each point on the string.

**Questions** - Suppose three strings are tied together. The middle string has a higher mass/length than the outer two strings (their mass per unit lengths are equal). A pulse is sent from the left end to the right end. Describe what happens at the boundaries. Thans milted Transmitted way your for Wave. Reflected Incident wave. Reflected wave usere inverted. not mented.