





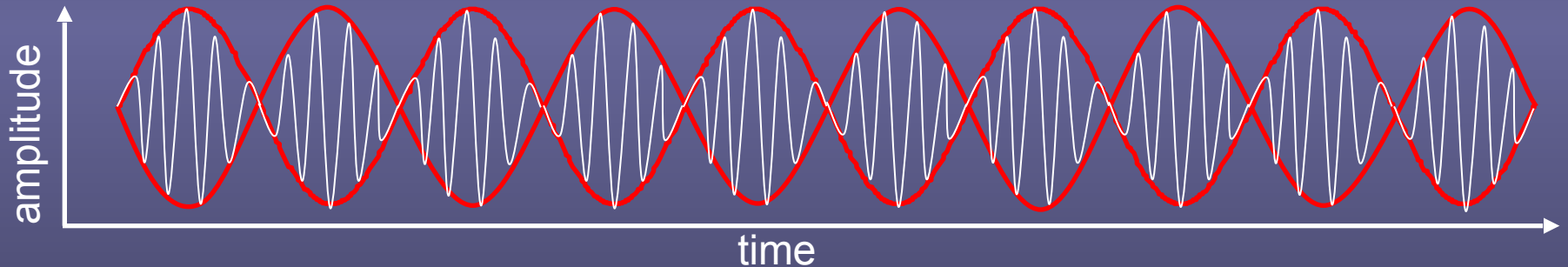






# Interference

- The rate of a **beat** is the difference of two frequencies – it results from the interference of two slightly different frequencies
- We hear this as a periodic variation in volume



- If you know one frequency and you know the beat frequency, then you can determine the second frequency
- By interfering frequencies of visible light, we get a beat frequency that is in the radio range – this is measurable

1. Why do we study atoms?
2. What is atomic spectroscopy?
3. What is a frequency comb?
4. Why Potassium?
5. What have I done this summer?