

**Claim:** For a wave heading towards a boundary between two media at an oblique angle,  $\omega_I = \omega_R = \omega_T$ .

A. True

B. False

# ANNOUNCEMENTS

- Quiz 5 (this Friday)
  - Construct the expression for plane wave given a description
    - Both complex and real expressions
  - Combine two plane waves and describe the resulting superposed wave
  - Think: Problem 2 on HW 8

**Claim:** For a wave heading towards a boundary between two media at an oblique angle, at the boundary,

$$\mathbf{k}_I \cdot \mathbf{r} = \mathbf{k}_R \cdot \mathbf{r} \neq \mathbf{k}_T \cdot \mathbf{r}.$$

- A. True
- B. False