Untitled April 28, 2008

Reminders 4-22-08:

- -Answers to Conceptual Questions on Wave Optics will are posted.
- -Read Chapter 26
- -Exam 4 Thursday April 24 Chapters 22-25

Objectives:

- -Polarization
- -Introduction to Relativity

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Wave Optics

A beam of vertically polarized light is incident on 3
polaroid films. The transmission axis of the 1st polarizer
is at 0 degrees with respect to the vertical, the 2nd is at
40.0° with respect the the vertical, and the 3nd is at 75.0°
with respect to the vertical. What percent of the incident
light is transmitted through all three polaroids?

Answer: I=0.39I,;39%; 19.5% if incident light is unpolarized