

Physics Lab 4 Written Answers

1.5:

If you continue to increase θ_{inc} , what happens to $\sin(\theta_{ref})$? (Hint: can you have $\sin(\theta_{ref}) > 1$?) This is called [Total Internal Reflection](#), and an important concept in designing optical fibers

2.1:

In your experiment you will be ignoring the effect that the walls of your box have on the path of light. Is this a fair assumption? Why or why not?

Real Time Physics Lab 4 Answers

Robert R. Redfield



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