

Phys 362 Assignment 8

Question 1

Plot the Fresnel transmission and reflection coefficients and the reflectance and transmittance for TE and TM polarization as a function of incidence angle from 0 to 90 degrees for the following two cases. Describe your results in words.

Jesus will help you if you need coding assistance, please go see him at the scheduled times. It's really good to learn this and use the resources available to you if it is giving you any trouble still.

a) Light incident from air onto a pane of glass of index 1.48.

b) Light incident from the core of an SMF-28 fiber to the cladding (core index = 1.45205; cladding index = 1.44681)