PHYS 380

HOMEWORK #7

For discussion on Oct 27 and submission on Nov. 1

All questions from the text :

1. 9.1 This will give you a chance to do calculations with energy density, flux, and think about the nature of the radiation in your eye.

2. 9.6

3. 9.8. You should be able to obtain an expression for the optical depth of the earth' s atmosphere based in terms of the intensities I_1 and I_2 and the angles θ_1 and θ_2. You should also be able to derive an expression for the intensity at the top of the earth's atmosphere in terms of intensities and angles.

4. 9.21

5. 9.24

6. 9.26