

THE UNIVERSITY OF TEXAS AT DALLAS



Physical Optics

EE 6317

Spring 2008 Assignment 3

Due Date:

June 18, 2008

Reading:

Eugene Hecht, *Optics*, Fourth Edition, Chapter 9

Reference Material:

Dr. Cantrell's slides on interference

Problems:

Please write your answers to the following problems on engineering paper. No credit will be given for work handed in on other types of paper.

1. Eugene Hecht, *Optics*, Fourth Edition, Problem 9.3.
2. Eugene Hecht, *Optics*, Fourth Edition, Problem 9.6.
3. Eugene Hecht, *Optics*, Fourth Edition, Problem 9.8.
4. Eugene Hecht, *Optics*, Fourth Edition, Problem 9.24.
5. Eugene Hecht, *Optics*, Fourth Edition, Problem 9.36.
6. Eugene Hecht, *Optics*, Fourth Edition, Problem 9.40.