

WORCESTER POLYTECHNIC INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

HOMEWORK – CHAPTER 03

COURSE No.: ME-593N, Fall 2000
COURSE NAME: Laser Metrology and Nondestructive Testing (NDT)
<http://www.wpi.edu/~cfurlong/ME-593N>
DATE: 27 September 2000
DUE: 4 October 2000

NAME: _____
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NOTE: In all solutions, state explicitly every assumption and/or approximation made, explain every procedure, and justify its use. Dimensional analyses are absolutely necessary. All results must be expressed in appropriate units. PLEASE, ALWAYS SHOW ALL WORK, while writing your results only on one side of the sheet(s) of paper; start each problem on a new sheet. *Attach this sheet to your solution. Show your work using a clear and professional style.*

PROBLEM 3.1. Meet with the instructor before the due date to discuss your *Project Proposal* for this course.

READING 3.1. Chapters 3 and 7 (handouts) from: E. Hecht, *Optics*, Addison-Wesley Publishing, Reading, Massachusetts, 1990.

