

EXPERIMENTS IN MODERN AND APPLIED PHYSICS  
Homework 1.  
Due January 30, 2012

Required reading:

A.C. Melissinos and J. Napolitano "*Experiments in Modern Physics*" Chapter 3, 10.

Supplementary reading

Taylor, "Introduction to Error Analysis"

Bevington "Data reduction and error analysis for physical sciences"

The homework problems are from Appendix G in the textbook A.C. Melissinos and J. Napolitano "*Experiments in Modern Physics*" second edition.

Solve and hand in the following problems to the course assistant. Problems should be worked on and handed in individually.

1. Problem 21
2. Problem 23
3. Problem 25
4. Problem 26
5. Problem 27
6. Problem 28
7. Problem 29