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Physics and Measurement

CHAPTER OUTLINE

- 1.1 Standards of Length, Mass, and Time
- 1.2 Modeling and Alternative Representations
- 1.3 Dimensional Analysis
- 1.4 Conversion of Units
- 1.5 Estimates and Order-of-Magnitude Calculations
- 1.6 Significant Figures

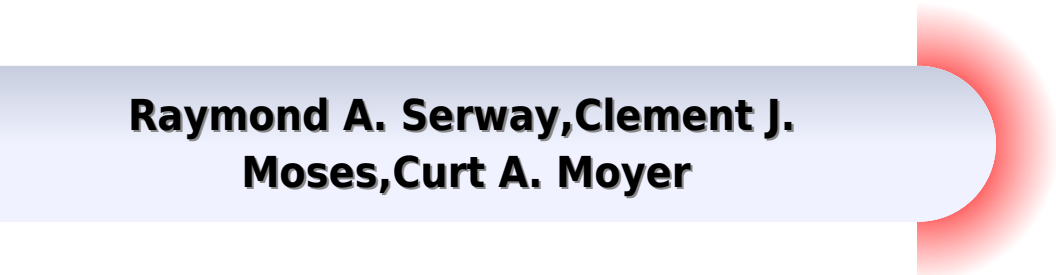
* An asterisk indicates a question or problem new to this edition.

SOLUTIONS TO THINK-PAIR-SHARE AND ACTIVITIES

- TP1.1** (a) The fourth experimental point from the top is a circle: this point lies just above the best-fit curve that passes through the point (400 cm², 0.20 g). The interval between horizontal grid lines is 1 space = 0.05 g. An estimate from the graph shows that the circle has a vertical separation of 0.3 spaces = 0.015 g above the best-fit curve.

Modern Physics Serway Solution Manual

**Raymond A. Serway, Clement J.
Moses, Curt A. Moyer**



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