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Abstract

This book is addressed to university students where Physics is an introductory course and the laboratory part is not covered by the taught textbook. It covers the laboratory experiments of the course and contributes to the understanding of physics concepts. Through this, the better understanding by the students of basic concepts is achieved, such as the concept of experiment, the concept of error in measurements, the correct drawing of graphs, etc. After all its first pages cover the necessary introduction to error theory, the correct results presentation and the correct way to draw graphs. The understanding of these concepts is crucial, as the students will encounter them constantly throughout their studies. Seventeen physics experiments are described in detail, including the theory, giving in this way a complete picture from both laboratory and theoretical point of view.

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