



METADATA

Title: Laboratory experiments and educational software

Other Titles: For first-year physics students

Language: Greek

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ISBN: 978-618-5667-68-9

Subject: NATURAL SCIENCES AND AGRICULTURAL SCIENCES

Keywords: Laboratory experiments guide / Kinematics /
Mechanics / Electricity / Educational software

Bibliographic Reference: Tsakonas, P., & Kapotis, E. (2023). Laboratory experiments and educational software [Laboratory Guide]. Kallipos, Open Academic Editions. <http://dx.doi.org/10.57713/kallipos-95>

Abstract

The book is intended for first-year students of Physics Departments and in general students who major in physical science or takes specific Physics courses. It includes 1. A theoretical background for executing experiments (laboratory regulations, error theory, proper use of experimental equipment including sensors, software for composing a laboratory report, mathematical methods etc.). 2. Exercise guidelines including a) a brief theoretical presentation with selected facts from science history, b) instructions for

setting up the experimental equipment, taking and processing measurements of physical quantities, plotting graphs, evaluating results stating conclusions, c) revision questions. 3. Downloadable PC software (free of charge) for simulating, visualising and extending experimentation, developed to support additional activities for each laboratory exercise. 4. Laboratory regulation, personnel and equipment protection measures, mathematical supplement, standard laboratory report sample, supplementary theory elements.

