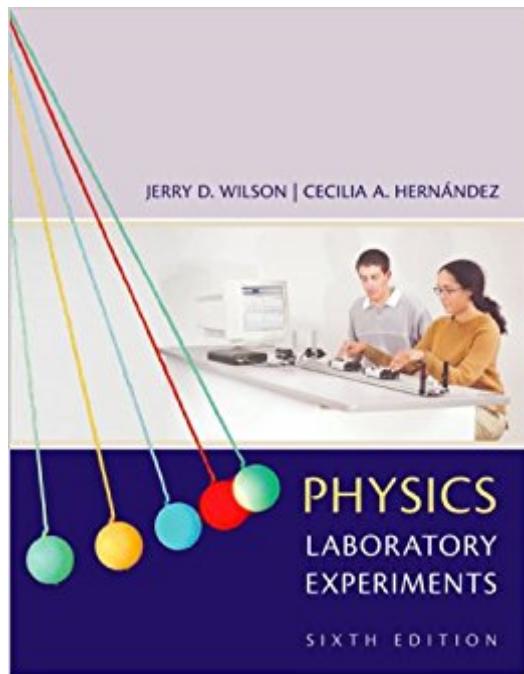


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# Physics Laboratory Experiments



## **Synopsis**

The market leader for the first-year physics laboratory course, this manual offers a wide range of class-tested experiments designed explicitly for use in small to mid-size lab programs. The manual provides a series of integrated experiments that emphasize the use of computerized instrumentation. The Sixth Edition includes a set of "computer-assisted experiments" that allow students and instructors to use this modern equipment. This option also allows instructors to find the appropriate balance between traditional and computer-based experiments for their courses. By analyzing data through two different methods, students gain a greater understanding of the concepts behind the experiments.

## **Book Information**

Paperback: 496 pages

Publisher: Cengage Learning; 6 edition (May 5, 2004)

Language: English

ISBN-10: 0618382593

ISBN-13: 978-0618382590

Product Dimensions: 0.8 x 8.5 x 10.8 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 3.7 out of 5 stars 20 customer reviews

Best Sellers Rank: #250,169 in Books (See Top 100 in Books) #114 in Books > Science & Math > Experiments, Instruments & Measurement > Experiments & Projects #538 in Books > Education & Teaching > Schools & Teaching > Instruction Methods > Arts & Humanities #882 in Books > Textbooks > Science & Mathematics > Physics

## **Customer Reviews**

Jerry Wilson received his physics degrees from Ohio University (B.S., Ph.D.) and Union College in Schenectady, New York (M.S.). In addition to co-writing PHYSICS LABORATORY EXPERIMENTS, he is one of the original authors of the first edition of AN INTRODUCTION OF PHYSICAL SCIENCE (published in 1971) and has several other physics textbooks to his credit. Wilson is currently Emeritus Professor of Physics at Lander University in Greenwood, South Carolina. Cecilia Hernández-Hall received her M.S. in physics from the University of Puerto Rico, Mayagüez Campus, in 1993. After teaching for two years at the Mayagüez and Cayey campuses, she joined the Physics Education Research Group at the University of Nebraska, Lincoln, where research in physics education was conducted with an emphasis on computerized instruction. Professor

Hernández has used computerized instruction with hundreds of her students, and she contributes to the computerized-instruction material throughout PHYSICS LABORATORY EXPERIMENTS. In 1998, Professor Hernández joined the faculty of American River College. She also works for PASCO Scientific in Roseville, California, where she helps develop computer-assisted lab activities for college physics and write manuals for new equipment.

Would give no stars if could. As a career student i have bought a great many used textbooks, most with highlights or writing present. These are acceptable issues, the item i ordered was advertises as being whole, alas within the first 50 pages 16 were missing, many of which i believe were necessary information, as i found myself confused when trying to transition from pages present past mising pages.

This manual is quite out of date (the black and white photos of the optics section have a candle as a light source!!!) and quite pricy. But the experiments are well written enough, and unusually the pages are perforated allowing the lazy or overpecuniated student to write reports onto the book and then tear them out.

Book is falling apart after 3 labs because the binding is so poor. The labs require much extrapolation, because the concepts that are asked on the preliminary questions are not covered thoroughly. This lab manual doesn't go along with my physics class book at all which makes it difficult to do preliminary work. My professor is very good, so he takes the parts he wants us to use in lab and explains them in detail.

This lab manual was awesome. It had very cool examples of physics that we did in class. It helped you understand the concepts better by actually testing things out and doing them instead of just reading about it.

Very good lab manual. The experiments are simple enough and are very practical and related to the material being taught in class.

Not the full book from the seller I purchased from. Only had about a third of the labs

Does it's job.

This is a great lab book. All of the experiments are planned out step by step. They are fun to do.

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