



University Physics 11th edition

By Hugh D.; Freedman, Roger A.; Ford, A. Lewis; Sears, Francis Weston Young

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Editorial Review

From the Back Cover

With its time-tested problems, pioneering conceptual and visual pedagogy, and next-generation media package, the Eleventh Edition of Young and Freedman's *University Physics* is the classic physics book with an eye on the future. Using Young & Freedman's research-based ISEE (Identify, Set up, Execute, Evaluate) problem-solving strategy, readers develop the physical intuition and problem-solving skills required to tackle the book's extensive high-quality problem sets that have been developed and refined over the past five decades. The completely redesigned, pedagogically consistent artwork and diagrams integrate seamlessly with the book to help readers better visualize key concepts. For college instructors, students, or anyone interested in physics.

About the Author

Hugh D. Young is Professor of Physics at Carnegie-Mellon University in Pittsburgh, PA. He attended Carnegie-Mellon for both undergraduate and graduate study and earned his Ph.D. in fundamental particle theory under the direction of the late Richard Cutkosky. He joined the faculty of Carnegie-Mellon in 1956, and has also spent two years as a Visiting Professor at the University of California, Berkeley.

Professor Young's career has centered entirely on undergraduate education. He has written several undergraduate-level textbooks, and in 1973 became a co-author with Francis Sears and Mark Zemansky for their well-known introductory texts. With their deaths, he assumed full responsibility for new editions of these books until joined by Prof. Freedman for *University Physics*.

Professor Young is an enthusiastic skier, climber, and hiker. He also served for many years as Associate Organist at St. Paul's Cathedral in Pittsburgh, and has played numerous organ recitals in the Pittsburgh area. Professor Young and his wife, Alice, usually travel extensively in the summer, especially in Europe and in the desert canyon country of southern Utah.

Roger A. Freedman is a Lecturer in Physics at the University of California, Santa Barbara. Professor Freedman was an undergraduate at the University of California campuses in San Diego and Los Angeles, and did his doctoral research in nuclear theory at Stanford University under the direction of Professor J. Dirk Walecka. He came to UCSB in 1981 after three years teaching and doing research at the University of Washington.

At UCSB, Professor Freedman teaches in both the Department of Physics and the College of Creative Studies, a branch of the university intended for highly gifted and motivated undergraduates. He has published research in nuclear physics, elementary particle physics, and laser physics. In recent years, he has helped to develop computer-based tools for learning introductory physics and astronomy.

When not in the classroom or slaving over a computer, Professor Freedman can be found either flying (he holds a commercial pilot's license) or driving with his wife, Caroline, in their 1955 Nash Metropolitan.

A. Lewis Ford is Professor of Physics at Texas A&M University. He received a B.A. from Rice University in 1968 and a Ph.D. in chemical physics from the University of Texas at Austin in 1972. After a one-year postdoc at Harvard University, he joined the Texas A&M physics faculty in 1973 and has been there ever since. Professor Ford's research area is theoretical atomic physics, with a specialization in atomic collisions.

At Texas A&M he has taught a variety of undergraduate and graduate courses, but primarily introductory physics.

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