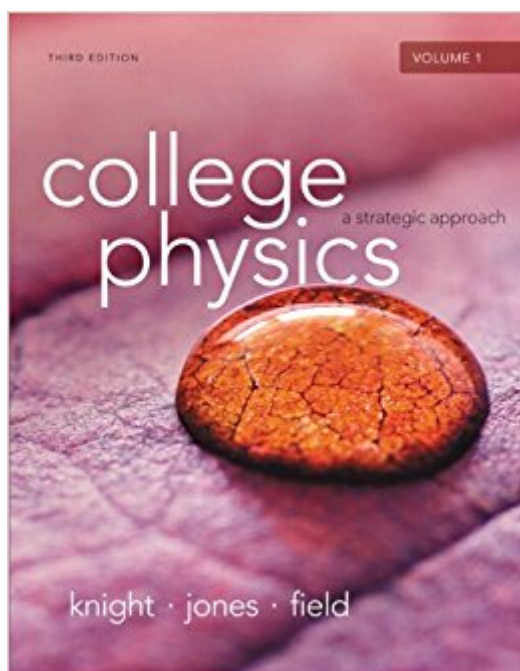


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# College Physics: A Strategic Approach Volume 1 (Chs.1-16) (3rd Edition)



## Synopsis

Intended for algebra-based introductory physics courses. Built from the ground up for effective learning; refined to help you focus on the big picture. Building on the research-proven instructional techniques introduced in Knight's Physics for Scientists and Engineers, College Physics: A Strategic Approach sets a new standard for algebra-based introductory physics-gaining widespread critical acclaim from professors and students alike. The text, supplements, and MasteringPhysics(R) work together to help you see and understand the big picture, gain crucial problem-solving skills and confidence, and better prepare for lecture and their future. For the Third Edition, Randy Knight, Brian Jones, and Stuart Field have incorporated student feedback and research to strengthen their focus on student learning, and to apply the best results from educational research and extensive user feedback and metadata. This program presents an unparalleled learning experience, uniquely effective and integrated. Personalize learning with MasteringPhysics: MasteringPhysics provides you with engaging experiences that coach you through physics with specific wrong-answer feedback, hints, and a wide variety of educationally effective content. Prepare for lecture: Prepare yourself for lecture with innovative and engaging media tools, tailored carefully to reinforce the textbook. Understand the big picture: Learn the connections between topics, the real-world context, and the overarching themes, skills, and principles of physics using refined and expanded learning tools. This is the standalone book -- if the customer wants the book/access card they need to order the ISBN below: 0321994132 / 9780321994134 College Physics: A Strategic Approach Volume 1 (Chs.1-16) & MasteringPhysics with Pearson eText -- ValuePack Access Card Package \* Package consists of: 0321905202 / 9780321905208 MasteringPhysics with Pearson eText -- ValuePack Access Card -- for College Physics: A Strategic Approach 0321908775 / 9780321908773 College Physics: A Strategic Approach Volume 1 (Chs.1-16)

## Book Information

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## Customer Reviews

Randy Knight has taught introductory physics for 32 years at Ohio State University and California Polytechnic University, where he is Professor Emeritus of Physics. Randy received a Ph.D. in physics from the University of California-Berkeley. He was a post-doctoral fellow at the Harvard-Smithsonian Center for Astrophysics before joining the faculty at Ohio State University. It was at Ohio State, under the mentorship of Professor Leonard Jossem, that he began to learn about the research in physics education that, many years later, led to "Five Easy Lessons: Strategies for Successful Physics Teaching," "Physics for Scientists and Engineers: A Strategic Approach," and now to this book. Randy's research interests are in the fields of lasers, spectroscopy, and environmental science. When he's not in front of a computer, you can find Randy hiking, sea kayaking, playing the piano, or spending time with his wife Sally and their six cats. Brian Jones has won several teaching awards at Colorado State University during his 25 years teaching in the Department of Physics. His teaching focus in recent years has been the College Physics class, including writing problems for the MCAT exam and helping students review for this test. In 2011, Brian was awarded the Robert A. Millikan Medal of the American Association of Physics Teachers for his work as director of the "Little Shop of Physics," a hands-on science outreach program. He is actively exploring the effectiveness of methods of informal science education and how to extend these lessons to the college classroom. Brian has been invited to give workshops on techniques of science instruction throughout the United States and in Belize, Chile, Ethiopia, Azerbaijan, Mexico, and Slovenia. Brian and his wife Carol have dozens of fruit trees and bushes in their yard, including an apple tree that was propagated from a tree in Isaac Newton's garden. Stuart Field has been interested in science and technology his whole life. While in school he built telescopes, electronic circuits, and computers. After attending Stanford University, he earned a Ph.D. at the University of Chicago, where he studied the properties of materials at ultralow temperatures. After completing a postdoctoral position at the Massachusetts Institute of Technology, he held a faculty position at the University of Michigan. Currently at Colorado State University, Stuart teaches a variety of physics courses, including algebra-based introductory physics, and was an early and enthusiastic adopter of Knight's "Physics for Scientists and Engineers." Stuart maintains an active research program in the area of superconductivity. Stuart enjoys Colorado's great outdoors, where he is an avid mountain biker; he also plays in local ice hockey leagues.

Forewarning: this volume of College Physics caps at chapter 17! If you're doing a year-long physics sequence, you'll likely need to buy the full text.

Rented through and saved a lot. Good text book, though it lacks some of the contemporary aspects related to biophysics.

The quality of the book is so so. However, they raised the price very quickly. At first it was about \$15 to rent, then a few hours later, as I finalized my order, it rose to more than \$23!

Great book - I need to extend the rent if this text book an addition semester.

The book is too poor. I just rental it, so I have no choice.

Its the best math-related book I've ever had. It clarifies every single doubt about a topic. Lots of great examples and wording.

Beautiful book, excellent price, great for anyone who's only taking one semester of college physics.

The front and back cover has a cut line . There is a cut line in the 2 first pages

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