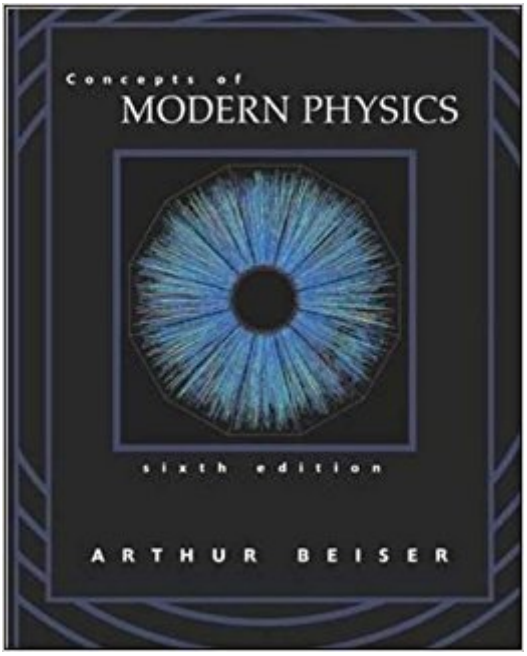
Concepts Of Modern Physics



Synopsis

"Modern Physics" is the most up-to-date, accessible presentation of modern physics available. The book is intended to be used in a one-semester course covering modern physics for students who have already had basic physics and calculus courses. The balance of the book leans more toward ideas than toward experimental methods and practical applications because the beginning student is better served by a conceptual framework than by a mass of details. The sequence of topics follows a logical, rather than strictly historical, order. Relativity and quantum ideas are considered first to provide a framework for understanding the physics of atoms and nuclei. The theory of the atom is then developed, and followed by a discussion of the properties of aggregates of atoms, which includes a look at statistical mechanics. Finally atomic nuclei and elementary particles are examined.

Book Information

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Customer Reviews

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I bought this book as a supplement to the assigned textbook for my college-level modern physics course. I have read other reviews that didn't think very highly of it but I really like this book. It might not be super mathematically rigorous but it contains great examples, is pleasant to read, and shows you how to do problems in a very detailed manner that many other textbooks do not. I think it is a great starting point for undergrads. It certainly helped me stay current in my class and kept me from

giving up out of frustration when I hit road-blocks along the way.

Good textbook for undergraduate.

Conceptually appropriate and easy reading as an intro course.

book for college, son likes it

This book looked slightly used, but all in all still looked a little new. The packaging was a little too big for it, but it was handled with great care.

Avoid the paperback Edition of this book, mine says "Special Indian Version" on cover. It's printed on the cheapest tissue paper of any book I have ever bought. You can literally see through the pagers to the print on the other side! Its like reading a wet newspaper. The print quality of the text is decent but the diagrams and photos in the book look bad quality xerox copies from the 70's. I don't think I will actually try to read this.

Rip off! I bought an old edition for $1.99. You can buy the sixth edition for less then $100, im not sure why asking price is $500 for this book. Don't buy! Additional note: the older editions are essentially the same with one surprising difference, less typos.

The book is not very good with the equations in it. It needs to be more consistant with variable letter names. Some equations in the proofs cannot be used to answer end of chapter questions. This gets confusing.

Physics (Cambridge Monographs on Particle Physics, Nuclear Physics and Cosmology) Six Ideas That Shaped Physics: Unit R - Laws of Physics are Frame-Independent (WCB Physics) Problem-Solving Exercises in Physics: The High School Physics Program (Prentice Hall Conceptual Physics Workbook) Concepts of Modern Physics Modern Classical Physics: Optics, Fluids, Plasmas, Elasticity, Relativity, and Statistical Physics The Tao of Physics: An Exploration of the Parallels Between Modern Physics and Eastern Mysticism Physics for Scientists & Engineers with Modern Physics (4th Edition) Physics for Scientists and Engineers: A Strategic Approach with Modern Physics (4th Edition) Physics for Scientists and Engineers: A Strategic Approach with Modern Physics (3rd Edition) University Physics with Modern Physics (14th Edition) Physics for Scientists & Engineers with Modern Physics, Books a la Carte Plus MasteringPhysics (4th Edition) Physics for Scientists and Engineers with Modern Physics Pearson New International Edition Physics for Scientists and Engineers with Modern Physics (3rd Edition) Physics for Scientists and Engineers with Modern Physics International Edition