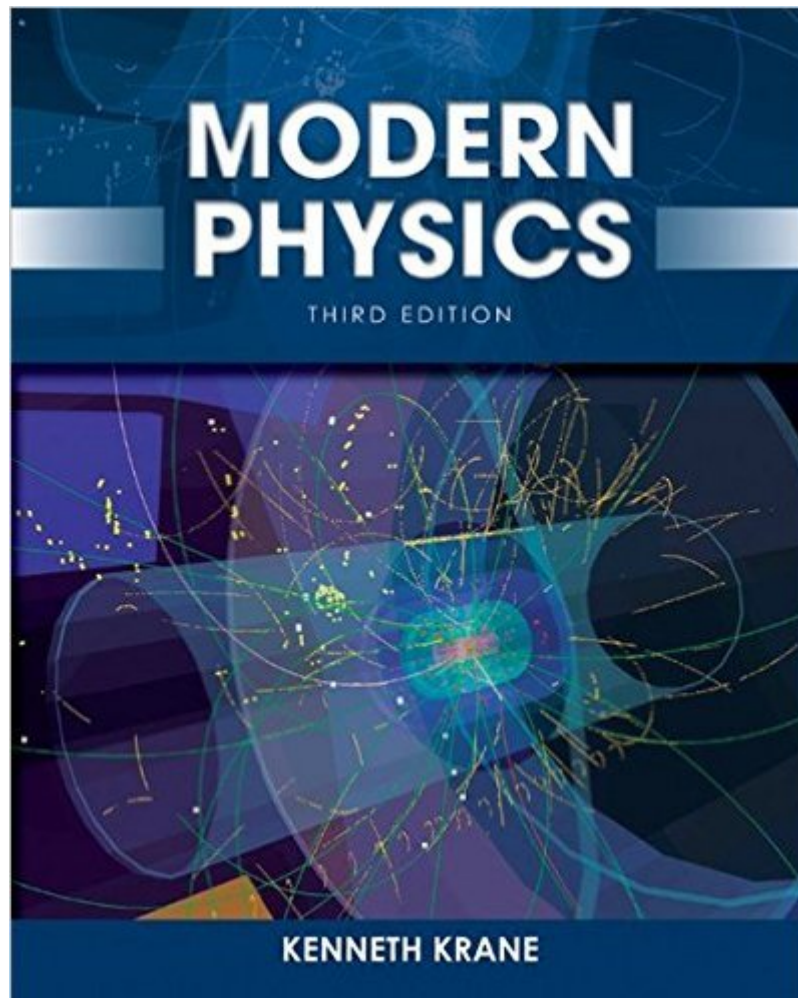


The book was found

Modern Physics



Synopsis

This is a much awaited revision of a modern classic that covers all the major topics in modern physics, including relativity, quantum physics, and their applications. Krane provides a balanced presentation of both the historical development of all major modern physics concepts and the experimental evidence supporting the theory.

Book Information

Hardcover: 560 pages

Publisher: Wiley; 3 edition (February 1, 2012)

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Product Dimensions: 8.2 x 0.9 x 10.1 inches

Shipping Weight: 2.4 pounds

Average Customer Review: 4.3 out of 5 starsÂ Â See all reviewsÂ (21 customer reviews)

Best Sellers Rank: #77,986 in Books (See Top 100 in Books) #52 inÂ Books > Science & Math > Physics > Quantum Theory #209 inÂ Books > Textbooks > Science & Mathematics > Physics

Customer Reviews

Overall not a bad textbook, the topics expected are well covered for the most part. My largest complaint would be that the book contains a lot of historical "filler" material, much of it not particularly relevant to the subject at hand. Also, the author has a very bad habit of simply skipping crucial and complex mathematical steps in the solved examples. It often reads as we start with equation A, then some magic happens, and we get equation B. This would probably be fine in a graduate level book, but for a book that is being used by students who have probably taken calculus only a couple of semesters ago, this can make some of the math in the book very hard to follow. Additionally, and it may just be that I got a bad copy, within less than 3 months of normal use, the binding at the spine has begun to come apart. I don't know if this is endemic with the printer involved, or whether I just got unlucky, but this is a fairly expensive book to only have a 3 month life span.

The book is highly technical such that unless you have taken previous classes in preparation it would be hard to grasp the concepts in the book. It isn't real hard to understand but certainly difficult if you are not prepared for it.

Great supplement to an undergraduate Modern Physics course. As someone else has mentioned, I also wish the book did contain more mathematical representation. But most taking this course should be able to get by with any supplemental material from a Calculus II & III course. Definitely would recommend it, the only complaint I do have is that it does have quite a high price tag for a shorter textbook. It is however rich with invigorating material, the end of chapter problems can get tricky! Would love to see Kenneth Krane to release some sort of supplement to this book, possibly a solutions manual for the odd-numbered exercises. This one is definitely a keeper for me, but I keep all of my physics books regardless of experience. Guess I am biased because I am a Physics major! :)

Ok, so it is hard to clearly explain some of these topics, but the author could do a better job with the chapter summaries. Crucial information is often buried within historical narratives, which are interesting, but most professors don't test on the history of physics, my professor included.

If you are buying this for a class: the book arrived on time and in better condition than I expected. It was certainly less expensive than buying it from a bookstore. If you are buying this for enjoyment: obviously, the material is dense, but the content of the material is certainly present. The way in which it is presented does require at least a moderate understanding of general physics (including electricity and magnetism, Newtonian mechanics, and thermodynamics). On the math side of things, you need to know some calculus and Taylor series.

I know this may not be the most mathematically rigorous or comprehensive book on the topic but it is a great starting point filled with helpful examples that make sense.

Great book for those seeking an intelligent, scientific introduction to Modern Physics.

Good book. Very decent rental price.

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