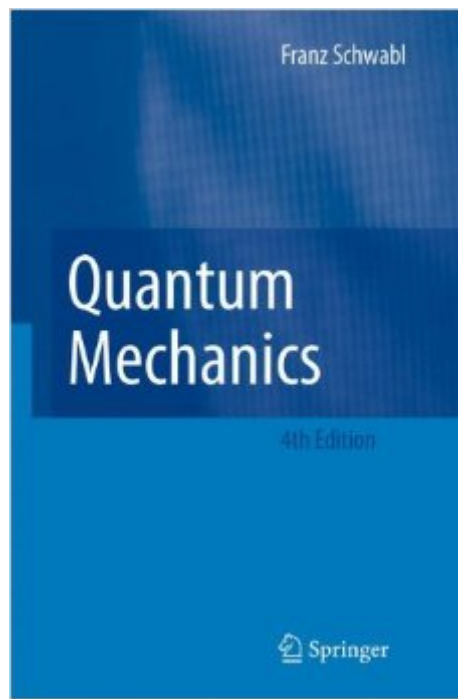


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Quantum Mechanics



Synopsis

This introductory course on quantum mechanics is the basic lecture that precedes and completes the author's second book *Advanced Quantum Mechanics*. This new edition is up-to-date and has been revised. Coverage meets the needs of students by giving all mathematical steps and worked examples with applications throughout the text as well as many problems at the end of each chapter. It contains nonrelativistic quantum mechanics and a short treatment of the quantization of the radiation field. Besides the essentials, the book also discusses topics such as the theory of measurement, the Bell inequality, and supersymmetric quantum mechanics.

Book Information

Hardcover: 424 pages

Publisher: Springer; 4th edition (November 28, 2007)

Language: English

ISBN-10: 3540719326

ISBN-13: 978-3540719328

Product Dimensions: 6.2 x 1.1 x 9.5 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: 3.8 out of 5 stars Â Â See all reviews Â (4 customer reviews)

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Customer Reviews

Schwabl's *Quantum Mechanics* is a superb supplement to any course on quantum mechanics. After struggling through Griffith's obfuscated discussion of addition of angular momenta, Schwabl's exposition was my savior. I would not, however, try to learn QM solely from Schwabl (i.e. self-study) because he frequently skips derivations and says things like "it is immediately apparant that....," which can be frustrating. However, as a text for a course or as a supplementary resource, Schwabl is extrememly valuable.

This is the required textbook when I took QM course. It is a nice book. It covers almost everything that a undergraduate or graduate student need to know. But some parts of this book seem too abstract and hard to understand. It needs more worked example to help one understand it. You need another book if you want to use Schwabl to self-study QM. I consider Schwabl as a good

reference book if you need to find something.

While this book certainly covers a lot of ground, it is painfully lacking in derivations or examples. I believe it would be a reasonable book to use (as a reference) for someone who has already mastered quantum mechanics, but it is almost impossible to learn out of. Also, if you want a very terse, yet comprehensive reference, why bother with something other than Landau?

I bought this one when I was doing my MS degree. It was in a really good condition when I was buying this.

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