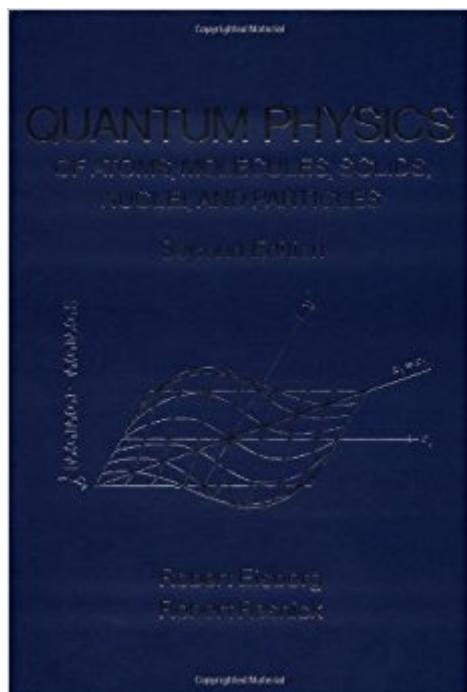


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# Quantum Physics Of Atoms, Molecules, Solids, Nuclei, And Particles



## **Synopsis**

A revision of a successful junior/senior level text, this introduction to elementary quantum mechanics clearly explains the properties of the most important quantum systems. Emphasizes the applications of theory, and contains new material on particle physics, electron-positron annihilation in solids and the Mossbauer effect. Includes new appendices on such topics as crystallography, Fourier Integral Description of a Wave Group, and Time-Independent Perturbation Theory.

## **Book Information**

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## **Customer Reviews**

Solutions Manual available. -- The publisher, John Wiley & Sons

A revision of a successful junior/senior level text, this introduction to elementary quantum mechanics clearly explains the properties of the most important quantum systems. Emphasizes the applications of theory, and contains new material on particle physics, electron-positron annihilation in solids and the Mossbauer effect. Includes new appendices on such topics as crystallography, Fourier Integral Description of a Wave Group, and Time-Independent Perturbation Theory.

Pretty good, wish there was a bit more illustrations. We did not use it too extensively as it was a support reading, not the main text.

This text is clearly written and easy to follow. It offers many examples and some of the best step by

step derivations I've encountered in a text book. The book assumes no prior knowledge of the reader and offers a solid foundation from the beginning. Great introductory text.

This text is well written in that it thoroughly covers each topic in well organized fashion, clear writing and understandable justification. One thing I have against this text is that its examples are somewhat simple and do not cover the application of the complex ideas presented in the chapter. I found it hard to solely use this text to answer the problem sets at the end of the chapter because of this.

After UP I and UP II, and DE you're ready for this book. Statistics would be a benefit and having taken special relativity would be helpful, though not required (there is a quick and dirty SR section that covers the meat of the material). This is an excellent book for the historical path taken, it gives a good amount of background of each topic, which I found really helpful. Though if you just want equations, examples and questions, there may be other more direct books. Good book for self learning the underpinnings of modern physics.

I really like the structure of this book, the author guide the chapters as a time line. Moreover he shows clearly what were the problems faced by the ancient scientists that drove them to their conclusions and theories.

I got exactly what I expected. I knew it wouldn't be in pristine condition, and it wasn't, but it also wasn't bad at all. Somebody took really good care of the book.

Very good condition.

It's the most wonderful protection for book shipping I have ever seen. For the book, the cover was totally broken, but I had saw that in the picture so it's understandable. However, the inside of the book is very good, no missing page, no handwriting or highlighting. Really like it.

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