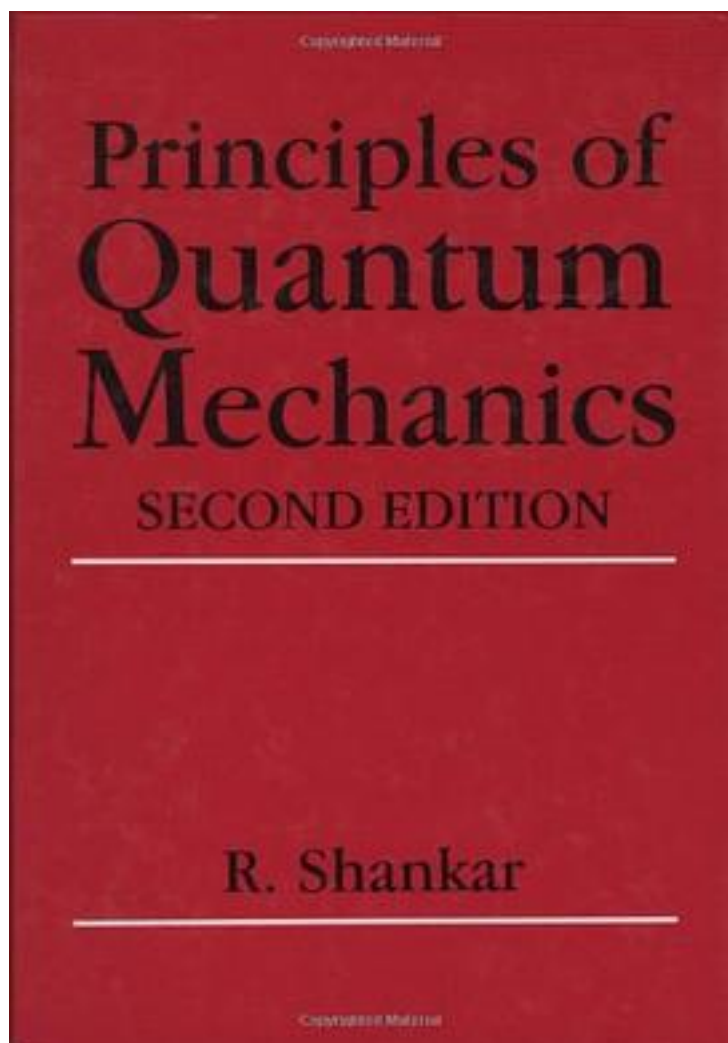


Principles of Quantum Mechanics



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著者:R. Shankar

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Reviews from the First Edition: 'An excellent text? The postulates of quantum mechanics and the mathematical underpinnings are discussed in a clear, succinct manner' - ("American Scientist"). 'No matter how gently one introduces students to the concept of Dirac's bras and kets, many are turned off. Shankar attacks the problem head-on in the first chapter, and in a very informal style suggests that there is nothing to be frightened of' - ("Physics Bulletin").Reviews of the Second Edition: 'This massive text of 700 and odd pages has indeed an excellent get-up, is very verbal and expressive, and has extensively worked out calculational details - all just right for a first course. The style is conversational, more like a corridor talk or lecture notes, though arranged as a text. It would be particularly useful to beginning students and those in allied areas like quantum chemistry' - ("Mathematical Reviews").R. Shankar has introduced major additions and updated key presentations in this second edition of "Principles of Quantum Mechanics". New features of this innovative text include an entirely rewritten mathematical introduction, a discussion of Time-reversal invariance, and extensive coverage of a variety of path integrals and their applications. Additional highlights include: clear, accessible treatment of underlying mathematics; a review of Newtonian, Lagrangian, and Hamiltonian mechanics; student understanding of quantum theory is enhanced by separate treatment of mathematical theorems and physical postulates; and, unsurpassed coverage of path integrals and their relevance in contemporary physics.The requisite text for advanced undergraduate- and graduate-level students, "Principles of Quantum Mechanics, Second Edition" is fully referenced and is supported by many exercises and solutions. The book's self-contained chapters also make it suitable for independent study as well as for courses in applied disciplines.

作者介绍:

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标签

量子力学

物理

物理学

Quantum.Mechanics

科学

原版

QM

Principles

评论

这是一本真正的好书，远比sakurai的书好。体现在：1.入门阶段可用。2.内容完整性更好，包括了dirac方程和路径积分的讨论（后者在Sakurai的书中可算没有）。3.详略得当，字字珠玑而不像Sakurai的书长篇大论。4.有更前沿的讨论。5.内容不会太偏向于高能物理~~

整个暑假每天看六个小时这本书 量子力学最好的入门教材了 比griffiths内容丰富 比Sakurai起点低 第一章数学基础我读了三遍 之后再看所有书都特别自在
Shankar是Yale的老教授了 谢谢你

读过前四章，以后再继续读。 初学者看这本书再好不过了，美中不足的是没有习题。

前半

好书

第一次真正读懂量子力学是靠这本书。。。

it is not as interesting as Sakurai, but it is self-contained (Sakurai assumes that you have learn an elementary-level quantum mechanics course)

做中午看的闲书~就是这样~

Griffiths和櫻井似乎都不适合现在的我。。。

好书，物理和数学都很清楚

講述風格對應Goldstein的經典力學，這麼說就會有很多人懂這書有多坑爹了。

最佳！

最先读的一本量子书，前面的数学基础帮助很大，物理部分没仔细读

写的真是清晰细致，shankar的研究风格也是如此，在避免使用复杂深奥的计算中清晰的论述解决问题。读完这本书qm的基础就比较扎实了。

Excellent textbook/reference book on QM. Seems more suitable for grad-level and reference purpose.

上过的量子力学课用的课本还是这本最友好

Suitable for a first course in quantum mechanics. It goes right into the heart of QM within a first few chapters.

起点很适当，内容稍有些罗嗦，不过还是比什么曾谨言的强多了

这本书的确坑爹，Goldstein二代名副其实

不错的书

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书评

This book is highly recommended as a starting point. It starts from ground zero, developing the mathematical tools needed to understand quantum mechanics. It is well written, and friendlier than Griffiths for students who are learning the subject on their ...

Russell J. Barry 5.0 out of 5 stars Quantum mechanics May 21, 2010 Format: Hardcover
Verified Purchase I will make it real simple. It has been over a half of a year since I bought this book. When I first got it, it seemed really hard, you have to really read...

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