



Quantum Mechanics: The Theoretical Minimum

By Leonard Susskind, Art Friedman

Download now

Read Online 

Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman

First he taught you classical mechanics. Now, physicist Leonard Susskind has teamed up with data engineer Art Friedman to present the theory and associated mathematics of the strange world of quantum mechanics.

In this follow-up to the New York Times best-selling *The Theoretical Minimum*, Susskind and Friedman provide a lively introduction to this famously difficult field, which attempts to understand the behavior of sub-atomic objects through mathematical abstractions. Unlike other popularizations that shy away from quantum mechanics' weirdness, *Quantum Mechanics* embraces the utter strangeness of quantum logic. The authors offer crystal-clear explanations of the principles of quantum states, uncertainty and time dependence, entanglement, and particle and wave states, among other topics, and each chapter includes exercises to ensure mastery of each area. Like *The Theoretical Minimum*, this volume runs parallel to Susskind's eponymous Stanford University-hosted continuing education course.

An approachable yet rigorous introduction to a famously difficult topic, *Quantum Mechanics* provides a tool kit for amateur scientists to learn physics at their own pace.

 [Download Quantum Mechanics: The Theoretical Minimum ...pdf](#)

 [Read Online Quantum Mechanics: The Theoretical Minimum ...pdf](#)

Quantum Mechanics: The Theoretical Minimum

By Leonard Susskind, Art Friedman

Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman

First he taught you classical mechanics. Now, physicist Leonard Susskind has teamed up with data engineer Art Friedman to present the theory and associated mathematics of the strange world of quantum mechanics.

In this follow-up to the New York Times best-selling *The Theoretical Minimum*, Susskind and Friedman provide a lively introduction to this famously difficult field, which attempts to understand the behavior of sub-atomic objects through mathematical abstractions. Unlike other popularizations that shy away from quantum mechanics' weirdness, *Quantum Mechanics* embraces the utter strangeness of quantum logic. The authors offer crystal-clear explanations of the principles of quantum states, uncertainty and time dependence, entanglement, and particle and wave states, among other topics, and each chapter includes exercises to ensure mastery of each area. Like *The Theoretical Minimum*, this volume runs parallel to Susskind's eponymous Stanford University-hosted continuing education course.

An approachable yet rigorous introduction to a famously difficult topic, *Quantum Mechanics* provides a tool kit for amateur scientists to learn physics at their own pace.

Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman Bibliography

- Rank: #156682 in Books
- Published on: 2014-02-25
- Released on: 2014-02-25
- Original language: English
- Number of items: 1
- Dimensions: 8.25" h x 5.75" w x 1.25" l, 1.00 pounds
- Binding: Hardcover
- 384 pages

 [Download Quantum Mechanics: The Theoretical Minimum ...pdf](#)

 [Read Online Quantum Mechanics: The Theoretical Minimum ...pdf](#)

Download and Read Free Online Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman

Editorial Review

Review

“The writing is fresh and immediate, with plenty of detail packaged into the smooth narrative.... [O]n their own terms, I found Susskind and Friedman's explanations crisp and satisfying.... I maintain a clear recollection of the bewilderment with which I struggled through my own university quantum-mechanics courses. For students in a similar position, trying to draw together the fragments of formalism into a clear conceptual whole, Susskind and Friedman's persuasive overview—and their insistence on explaining, with sharp mathematical detail, exactly what it is that is strange about quantum mechanics—may be just what is needed.”

—David Seery, *Nature*

“[T]he book will work well as a companion text for university students studying quantum mechanics or the armchair physicists following Susskind's YouTube lectures.”

—Publishers Weekly

“This is quantum mechanics for real. This is the good stuff, the most mysterious aspects of how reality works, set out with crystalline clarity. If you want to know how physicists really think about the world, this book is the place to start.”

—Sean Carroll, physicist, California Institute of Technology, and author of *The Particle at the End of the Universe*

About the Author

Leonard Susskind has been the Felix Bloch Professor in Theoretical Physics at Stanford University since 1978. He is the author (with George Hrabovsky) of *The Theoretical Minimum*, as well as *The Black Hole War* and *The Cosmic Landscape*. He lives in Palo Alto, California. **Art Friedman** is a data consultant who previously spent fifteen years at Hewlett-Packard as a software engineer. A lifelong student of physics, he lives in Mountain View, California.

Users Review

From reader reviews:

Marjorie Cook:

Reading can called head hangout, why? Because while you are reading a book particularly book entitled Quantum Mechanics: The Theoretical Minimum your head will drift away trough every dimension, wandering in each aspect that maybe unknown for but surely might be your mind friends. Imaging every single word written in a reserve then become one application form conclusion and explanation that maybe you never get just before. The Quantum Mechanics: The Theoretical Minimum giving you another experience more than blown away your head but also giving you useful info for your better life in this particular era. So now let us present to you the relaxing pattern the following is your body and mind is going to be pleased when you are finished studying it, like winning an activity. Do you want to try this extraordinary paying spare time activity?

Jeremy Reed:

Is it you who having spare time then spend it whole day by simply watching television programs or just laying on the bed? Do you need something new? This Quantum Mechanics: The Theoretical Minimum can be the reply, oh how comes? A book you know. You are therefore out of date, spending your spare time by reading in this brand-new era is common not a geek activity. So what these books have than the others?

Peter Singleton:

As a university student exactly feel bored to be able to reading. If their teacher expected them to go to the library or make summary for some e-book, they are complained. Just very little students that has reading's heart and soul or real their passion. They just do what the instructor want, like asked to the library. They go to right now there but nothing reading very seriously. Any students feel that reading through is not important, boring and also can't see colorful photos on there. Yeah, it is to get complicated. Book is very important to suit your needs. As we know that on this time, many ways to get whatever you want. Likewise word says, many ways to reach Chinese's country. Therefore , this Quantum Mechanics: The Theoretical Minimum can make you feel more interested to read.

Michael Castillo:

A number of people said that they feel bored stiff when they reading a e-book. They are directly felt it when they get a half areas of the book. You can choose typically the book Quantum Mechanics: The Theoretical Minimum to make your current reading is interesting. Your current skill of reading proficiency is developing when you like reading. Try to choose very simple book to make you enjoy to study it and mingle the opinion about book and examining especially. It is to be first opinion for you to like to open up a book and study it. Beside that the publication Quantum Mechanics: The Theoretical Minimum can to be your friend when you're truly feel alone and confuse with the information must you're doing of their time.

Download and Read Online Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman #B74YQ60CMED

Read Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman for online ebook

Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman books to read online.

Online Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman ebook PDF download

Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman Doc

Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman Mobipocket

Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman EPub

B74YQ60CMED: Quantum Mechanics: The Theoretical Minimum By Leonard Susskind, Art Friedman