



The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World

By James Kakalios

Download now

Read Online ➔

The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios

A highly entertaining exploration of the complicated science of quantum mechanics made easy to understand by way of pop culture.

As a young science fiction fan, physicist James Kakalios marveled at the future predicted in the pulp magazines, comics, and films of the '50s and '60s. By 2010, he was sure we'd have flying cars and jetpacks. But what we ended up with- laptop computers, MRI machines, Blu-ray players, and dozens of other real-life marvels-are even more fantastic. In *The Amazing Story of Quantum Mechanics*, he explains why the development of quantum mechanics enabled our amazing present day.

In his trademark style, Kakalios uses pop culture examples- everything from the graphic novel *Watchmen* to schlock horror movies of the '50s-to elucidate some of the most complex science there is. And he brings to life the groundbreaking scientists whose discoveries made our present life possible. Along the way, he dispels the misconception that quantum mechanics is unknowable by mere mortals. It's not magic; it's science!

 [Download The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World ...pdf](#)

 [Read Online The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World ...pdf](#)

The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World

By James Kakalios

The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios

A highly entertaining exploration of the complicated science of quantum mechanics made easy to understand by way of pop culture.

As a young science fiction fan, physicist James Kakalios marveled at the future predicted in the pulp magazines, comics, and films of the '50s and '60s. By 2010, he was sure we'd have flying cars and jetpacks. But what we ended up with-laptop computers, MRI machines, Blu-ray players, and dozens of other real-life marvels-are even more fantastic. In *The Amazing Story of Quantum Mechanics*, he explains why the development of quantum mechanics enabled our amazing present day.

In his trademark style, Kakalios uses pop culture examples- everything from the graphic novel *Watchmen* to schlock horror movies of the '50s-to elucidate some of the most complex science there is. And he brings to life the groundbreaking scientists whose discoveries made our present life possible. Along the way, he dispels the misconception that quantum mechanics is unknowable by mere mortals. It's not magic; it's science!

The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios **Bibliography**

- Sales Rank: #250371 in Books
- Brand: Gotham
- Published on: 2011-11-01
- Released on: 2011-11-01
- Original language: English
- Number of items: 1
- Dimensions: 8.90" h x .90" w x 6.00" l, .87 pounds
- Binding: Paperback
- 336 pages

 [Download The Amazing Story of Quantum Mechanics: A Math-Fre ...pdf](#)

 [Read Online The Amazing Story of Quantum Mechanics: A Math-F ...pdf](#)

Download and Read Free Online The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios

Editorial Review

From [Booklist](#)

Starred Review In revolutionizing modern science, Erwin Schrödinger and Werner Heisenberg somehow neglected the exciting plots and images of science fiction and comic books. Not to worry. Kakalios has now remedied that curious lapse. Indeed, Kakalios sees kindred kinds of imaginative daring in the appearance of the first science-fiction pulp magazine in the same year (1926) that Schrödinger and Heisenberg published their paradigm-shaping discoveries. This improbable connection between abstruse science and popular culture brings Buck Rogers, Dr. Manhattan (of the Watchmen), Dick Tracy, and—yes—even Dagwood into a no-tears foray into the theoretical physics that opened the world of lasers, laptop computers, DVDs, and cell phones. Though the book does not quite live up to the subtitle's promise of a "math-free" text, readers need no more than basic algebra to accompany comic-book heroes into well-illustrated explanations of quantum packets of light energy, of the wave functions of particles, and even of the angular spin inherent in both energy and matter. These basic principles illuminate the solid-state physics of semiconductors, the atomic magnetism of MRIs, and the nanotechnology of high-capacity storage batteries. And all of this conceptual heavy lifting comes with entertaining episodes from DC Comics and H. G. Wells' fiction. Physics has never been more fun! --Bryce Christensen

Review

"A quirky but sensible explanation of quantum mechanics." ---Kirkus

About the Author

James Kakalios is a professor in the School of Physics and Astronomy at the University of Minnesota, where he has taught since 1988, and where his class "Everything I Needed to Know About Physics I Learned from Reading Comic Books" is a popular freshman seminar. He received his Ph.D. in 1985 from the University of Chicago, and has been reading comic books for much longer.

Users Review

From reader reviews:

Gerald Wright:

The book The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World gives you the sense of being enjoy for your spare time. You should use to make your capable much more increase. Book can being your best friend when you getting stress or having big problem together with your subject. If you can make reading through a book The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World to become your habit, you can get more advantages, like add your current capable, increase your knowledge about many or all subjects. It is possible to know everything if you like start and read a e-book The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World. Kinds of book are a lot of. It means that, science guide or encyclopedia or other individuals. So , how do you think about this book?

Luann Bowen:

Nowadays reading books be than want or need but also be a life style. This reading routine give you lot of advantages. Associate programs you got of course the knowledge the rest of the information inside the book which improve your knowledge and information. The knowledge you get based on what kind of e-book you read, if you want have more knowledge just go with knowledge books but if you want experience happy read one along with theme for entertaining like comic or novel. Typically the The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World is kind of reserve which is giving the reader capricious experience.

Stephen Phelps:

As a pupil exactly feel bored in order to reading. If their teacher expected them to go to the library in order to make summary for some guide, they are complained. Just small students that has reading's heart and soul or real their interest. They just do what the educator want, like asked to the library. They go to generally there but nothing reading critically. Any students feel that examining is not important, boring and also can't see colorful images on there. Yeah, it is to be complicated. Book is very important in your case. As we know that on this era, many ways to get whatever we would like. Likewise word says, many ways to reach Chinese's country. So , this The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World can make you sense more interested to read.

Ed Abraham:

A lot of people said that they feel bored stiff when they reading a guide. They are directly felt this when they get a half regions of the book. You can choose the book The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World to make your own personal reading is interesting. Your own personal skill of reading expertise is developing when you like reading. Try to choose easy book to make you enjoy you just read it and mingle the feeling about book and reading through especially. It is to be 1st opinion for you to like to start a book and examine it. Beside that the publication The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World can to be your brand-new friend when you're really feel alone and confuse with what must you're doing of the time.

Download and Read Online The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios #B5IFZSR4COH

Read The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios for online ebook

The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios 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 The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios books to read online.

Online The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios ebook PDF download

The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios Doc

The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios Mobipocket

The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios EPub

B5IFZSR4COH: The Amazing Story of Quantum Mechanics: A Math-Free Exploration of the Science That Made Our World By James Kakalios