

In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions

By Paul J. Nahin

Download now


Read Online 

In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin

Physics can explain many of the things that we commonly encounter. It can tell us why the night is dark, what causes the tides, and even how best to catch a baseball. With *In Praise of Simple Physics*, popular math and science writer Paul Nahin presents a plethora of situations that explore the science and math behind the wonders of everyday life. Roaming through a diverse range of puzzles, he illustrates how physics shows us ways to wring more energy from renewable sources, to measure the gravity in our car garages, to figure out which of three light switches in the basement controls the light bulb in the attic, and much, much more.

How fast can you travel from London to Paris? How do scientists calculate the energy of an atomic bomb explosion? How do you kick a football so it stays in the air and goes a long way downfield? Nahin begins with simpler problems and progresses to more challenging questions, and his entertaining, accessible, and scientifically and mathematically informed explanations are all punctuated by his trademark humor. Readers are presumed to have some background in beginning differential and integral calculus. Whether you simply have a personal interest in physics' influence in the world or you're an engineering and science student who wants to gain more physics know-how, this book has an intriguing scenario for you.

In Praise of Simple Physics proves that if we look carefully at the world around us, physics has answers for the most astonishing day-to-day occurrences.

 [Download In Praise of Simple Physics: The Science and Mathe ...pdf](#)

 [Read Online In Praise of Simple Physics: The Science and Mat ...pdf](#)

In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions

By Paul J. Nahin

In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin


Physics can explain many of the things that we commonly encounter. It can tell us why the night is dark, what causes the tides, and even how best to catch a baseball. With *In Praise of Simple Physics*, popular math and science writer Paul Nahin presents a plethora of situations that explore the science and math behind the wonders of everyday life. Roaming through a diverse range of puzzles, he illustrates how physics shows us ways to wring more energy from renewable sources, to measure the gravity in our car garages, to figure out which of three light switches in the basement controls the light bulb in the attic, and much, much more.

How fast can you travel from London to Paris? How do scientists calculate the energy of an atomic bomb explosion? How do you kick a football so it stays in the air and goes a long way downfield? Nahin begins with simpler problems and progresses to more challenging questions, and his entertaining, accessible, and scientifically and mathematically informed explanations are all punctuated by his trademark humor. Readers are presumed to have some background in beginning differential and integral calculus. Whether you simply have a personal interest in physics' influence in the world or you're an engineering and science student who wants to gain more physics know-how, this book has an intriguing scenario for you.

In Praise of Simple Physics proves that if we look carefully at the world around us, physics has answers for the most astonishing day-to-day occurrences.

In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin
Bibliography

- Sales Rank: #258945 in Books
- Brand: imusti
- Published on: 2016-05-24
- Original language: English
- Number of items: 1
- Dimensions: 9.40" h x 1.20" w x 6.40" l, .0 pounds
- Binding: Hardcover
- 272 pages

 [Download In Praise of Simple Physics: The Science and Mathe ...pdf](#)

 [Read Online In Praise of Simple Physics: The Science and Mat ...pdf](#)

Download and Read Free Online In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin

Editorial Review

Review

"Nahin's writing style, as in previous books, is clear, conversational, humorous and chatty. . . . [A]nd the discussions in the book are careful and appropriately rigorous."--*MAA Reviews*

"Fun, accessible physics/math problems along with some humor."--**Antonio Cangiano, *Math-Blog***

"[Nahin] knows how to catch the attention of his reader. You will not regret buying any of his books, and I am sure after reading it, you will pick up this one to check again on one of his models and his solution methods."--**European Mathematical Society**

"A superb book. . . . [D]emonstrates clever ways to solve simply physics problems."--*Choice*

From the Back Cover

"*In Praise of Simple Physics* offers a masterful look at how basic principles, combined with clever thinking and fundamental mathematics, lead to satisfying explanations of an extraordinary range of natural phenomena, from the path of a football to why the sky is dark at night. Nahin's humor and accessible examples shine. Celebrate your curiosity and delve into this magnificent book!"--**Paul Halpern, author of *Einstein's Dice and Schrödinger's Cat***

"*In Praise of Simple Physics* is a must-read for anyone curious about how physics shows up in everyday life. Paul Nahin's clear explanations demystify the mathematics behind the physics, and with over two dozen applications, his book is a great introduction to mathematical modeling as well."--**Oscar Fernandez, author of *Everyday Calculus***

"This is a superb book--thoughtful, historical, carefully done, and intensely clever. It was a joy to read."--**Christopher G. Tully, Princeton University**

"Many books that explore classical physics problems tend to be relentlessly sequential and completely humorless. In this book, Paul Nahin shows a lighter touch and he gives himself the necessary space to tell the mathematical story. The book encourages readers to engage with the less-than-obvious aspects of physics."--**Jens Zorn, professor emeritus of physics, University of Michigan**

"Fun, accessible physics [and] math problems along with some humor."--*Math-Blog*

About the Author

Paul J. Nahin is the author of many best-selling popular-math books, including *Digital Dice*, *Chases and Escapes*, *Dr. Euler's Fabulous Formula*, *When Least Is Best*, *Duelling Idiots and Other Probability Puzzlers*, and *An Imaginary Tale* (all Princeton). He is professor emeritus of electrical engineering at the University of New Hampshire.

Users Review

From reader reviews:

Blanche Watson:

In this 21st centuries, people become competitive in most way. By being competitive currently, people have do something to make all of them survives, being in the middle of the crowded place and notice simply by surrounding. One thing that often many people have underestimated this for a while is reading. Yes, by reading a publication your ability to survive improve then having chance to stand than other is high. For yourself who want to start reading any book, we give you this kind of In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions book as starter and daily reading e-book. Why, because this book is usually more than just a book.

Kristy Taylor:

Reading a book for being new life style in this year; every people loves to learn a book. When you study a book you can get a large amount of benefit. When you read ebooks, you can improve your knowledge, simply because book has a lot of information upon it. The information that you will get depend on what types of book that you have read. If you wish to get information about your review, you can read education books, but if you want to entertain yourself read a fiction books, these kinds of us novel, comics, along with soon. The In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions offer you a new experience in reading a book.

Gary Lafountain:

In this age globalization it is important to someone to get information. The information will make a professional understand the condition of the world. The fitness of the world makes the information quicker to share. You can find a lot of personal references to get information example: internet, classifieds, book, and soon. You will observe that now, a lot of publisher that print many kinds of book. The particular book that recommended to you personally is In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions this e-book consist a lot of the information of the condition of this world now. That book was represented how do the world has grown up. The words styles that writer use for explain it is easy to understand. The particular writer made some exploration when he makes this book. Honestly, that is why this book suitable all of you.

Sheila Davis:

This In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions is brand new way for you who has interest to look for some information since it relief your hunger of information. Getting deeper you in it getting knowledge more you know or you who still having little digest in reading this In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions can be the light food for you because the information inside this book is easy to get through anyone. These books acquire itself in the form that is reachable by anyone, yep I mean in the e-book type. People who think that in e-book form make them feel drowsy even dizzy this reserve is the answer. So there isn't any in reading a book especially this one. You can find actually looking for. It should be here for a person. So , don't miss the idea! Just read this e-book variety for your better life and also knowledge.

**Download and Read Online In Praise of Simple Physics: The
Science and Mathematics behind Everyday Questions By Paul J.
Nahin #HABP4WCYX97**

Read In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin for online ebook

In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin 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 In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin books to read online.

Online In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin ebook PDF download

In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin Doc

In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin Mobipocket

In Praise of Simple Physics: The Science and Mathematics behind Everyday Questions By Paul J. Nahin EPub