



The Joy of x: A Guided Tour of Math, from One to Infinity

By Steven Strogatz



Download



Read Online

The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz

"Delightful . . . easily digestible chapters include plenty of helpful examples and illustrations. You'll never forget the Pythagorean theorem again!"—*Scientific American*

Many people take math in high school and promptly forget much of it. But math plays a part in all of our lives all of the time, whether we know it or not. In *The Joy of x*, Steven Strogatz expands on his hit *New York Times* series to explain the big ideas of math gently and clearly, with wit, insight, and brilliant illustrations.

Whether he is illuminating how often you should flip your mattress to get the maximum lifespan from it, explaining just how Google searches the internet, or determining how many people you should date before settling down, Strogatz shows how math connects to every aspect of life. Discussing pop culture, medicine, law, philosophy, art, and business, Strogatz is the math teacher you wish you'd had. Whether you aced integral calculus or aren't sure what an integer is, you'll find profound wisdom and persistent delight in *The Joy of x*.



[Download The Joy of x: A Guided Tour of Math, from One to I...pdf](#)



[Read Online The Joy of x: A Guided Tour of Math, from One to ...pdf](#)

The Joy of x: A Guided Tour of Math, from One to Infinity

By Steven Strogatz

The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz

"Delightful . . . easily digestible chapters include plenty of helpful examples and illustrations. You'll never forget the Pythagorean theorem again!"—*Scientific American*

Many people take math in high school and promptly forget much of it. But math plays a part in all of our lives all of the time, whether we know it or not. In *The Joy of x*, Steven Strogatz expands on his hit *New York Times* series to explain the big ideas of math gently and clearly, with wit, insight, and brilliant illustrations.

Whether he is illuminating how often you should flip your mattress to get the maximum lifespan from it, explaining just how Google searches the internet, or determining how many people you should date before settling down, Strogatz shows how math connects to every aspect of life. Discussing pop culture, medicine, law, philosophy, art, and business, Strogatz is the math teacher you wish you'd had. Whether you aced integral calculus or aren't sure what an integer is, you'll find profound wisdom and persistent delight in *The Joy of x*.

The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz Bibliography

- Sales Rank: #20687 in Books
- Brand: Brand: Mariner Books
- Published on: 2013-10-01
- Released on: 2013-10-01
- Original language: English
- Number of items: 1
- Dimensions: 8.00" h x .84" w x 5.31" l, .60 pounds
- Binding: Paperback
- 336 pages

 [Download The Joy of x: A Guided Tour of Math, from One to I ...pdf](#)

 [Read Online The Joy of x: A Guided Tour of Math, from One to ...pdf](#)

Download and Read Free Online The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz

Editorial Review

Amazon.com Review

Guest Review by Janna Levin



Janna Levin is a Professor of Astronomy and Physics at Barnard College of Columbia University. She has contributed to an understanding of black holes, the cosmology of extra dimensions, and gravitational waves in the shape of space time. She is the author of the popular-science book, *How the Universe Got Its Spots* and a novel, *A Madman Dreams of Turing Machines*, which won the PEN/Bingham prize. Janna was recently named a Guggenheim Fellow (2012).

I loved this beautiful book from the first page.

Mathematicians are in a peculiar predicament. Mathematical beauty is patent to them. And in the perception of that beauty is pleasure, is joy. But that pleasure is not easily shared. Mathematical beauty eludes many others, or even most others.

Steven Strogatz wants to share that joy. He sees the beauty of π and 0 and infinity. But he doesn't want to impose his impressions on you or to report on the view from his privileged perspective. He wants you to see it too. He doesn't want to argue that mathematics is creative and beautiful. He wants you to experience the visceral pleasure for yourself.

To that end, he disassembles mathematics as a discipline, both feared and revered, and reassembles mathematics as a world, both accessible and magical.

If you have never braved this grand world, put away your math anxiety, your preconceptions. This book is the most welcoming entree to mathematical thinking that I know of.

If you have braved this grand world, you will find a collection of gems, new ways of inhabiting the domain. Strogatz links historical anecdotes to new insights, as though the math itself is sculptural, composed of forms that are simultaneously familiar and ethereal. The logic seems effortless so that each module snaps into its complement with a gratifying click.

This book is a rebuttal to the accusation that mathematical abstraction is cold or inhuman. Mathematics is no more intrinsically cold or inhuman than language. And Strogatz lends a warmth and humanity to both.

The Joy of x is, well, a joy.

From [Booklist](#)

When Strogatz invites grade-schoolers to construct Möbius strips with scissors, crayons, and tape, he is not expecting them to discover revolutionary new mathematical principles. But he does expect them to experience the kind of intellectual joy that sustains a lifetime of mathematical inquiry. Readers share that joy by joining Strogatz on a high-spirited romp through complex numbers, standard deviations, infinite sums, differential equations, and other mathematical playgrounds. The math arrives in such delightful episodes—a hike through a snow-covered field, for example, or an excited dinner conversation over symbols scribbled on a napkin—and is so often connected to poetry, sports, and popular TV shows that even math phobes will find themselves swept up in the fun. (Who knew that *The Sopranos* could help us fathom calculus?) To be sure, Strogatz occasionally points well-schooled readers to the rigorous analyses identified in his endnotes. But even those reluctant to venture into deeper waters will finish this book with a new relish for mathematics as a thrilling adventure, not a dreary chore. --Bryce Christensen

Review

Amazon Best Books of 2012: Science and Math

"A delightful exploration of the beauty and fun of mathematics, in the best tradition of Lewis Carroll, George Gamow, and Martin Gardner. *The Joy of x* will entertain you, amaze you, and make you smarter."

— Steven Pinker, Harvard College Professor of Psychology, Harvard University, and author of *How the Mind Works* and *The Language Instinct*

"Steven Strogatz should do for math what Julia Child did for cookery. He shows that this stuff really matters, and he shows that it can nourish us."

— James Gleick, author of *The Information* and *Chaos*

"Steve Strogatz may be the only person alive with the skill to pied piper me into the murky abyss of set theory. I literally learned something on every page, despite my innumerate brain. This is a fantastic book, conveyed with clarity, technical mastery and infectious joy."

— Jad Abumrad, host of *Radiolab*

"This joyous book will remind you just how beautiful and mesmerizing math can be. Steve Strogatz is the teacher we all wish we had."

— Joshua Foer, author of *Moonwalking with Einstein*

"I loved this beautiful book from the first page. With his unique ingenuity and affable charm, Strogatz disassembles mathematics as a subject, both feared and revered, and reassembles it as a world, both accessible and magical. *The Joy of x* is, well, a joy."

— Janna Levin, Professor of Physics and Astronomy, Barnard College, Columbia University, and author of *How the Universe Got Its Spots* and *A Madman Dreams of Turing Machines*

"Amazingly, mathematicians can see patterns in the universe that the rest of us are usually blind to. With clarity and dry wit, *The Joy of x* opens a window onto this hidden world with its landscapes of beauty and wonder."

— Alan Alda

"This book is, simply put, fantastic. It introduces the reader to the underlying concepts of mathematics — presenting reasons for its unfamiliar language and explaining conceptual frameworks that do in fact make understanding complex problems easier. In a world where mathematics is essential but, largely, poorly understood, Steve Strogatz's teaching skills and deft writing style are an important contribution."

— Lisa Randall, Frank B. Baird, Jr. Professor of Science, Harvard University, and author of *Warped Passages* and *Knocking on Heaven's Door*

"Strogatz's graceful prose is perfectly pitched for a popular math book: authoritative without being patronizing, friendly without being whimsical, and always clear and accessible. His x marks the spot — and hits it."

— Alex Bellos, author of *Here's Looking at Euclid*

"Strogatz has discovered a magical function that transforms 'math' into 'joy,' page after wonderful page. He takes everything that ever mystified you about math and makes it better than clear — he makes it wondrous, delicious, and amazing."

— Daniel Gilbert, Professor of Psychology, Harvard University, and author of *Stumbling on Happiness*

Users Review

From reader reviews:

Lois Yale:

Nowadays reading books become more than want or need but also turn into a life style. This reading routine give you lot of advantages. The huge benefits you got of course the knowledge your information inside the book this improve your knowledge and information. The details you get based on what kind of e-book you read, if you want get more knowledge just go with education books but if you want feel happy read one with theme for entertaining such as comic or novel. The *The Joy of x: A Guided Tour of Math, from One to Infinity* is kind of e-book which is giving the reader unforeseen experience.

Larry Morris:

Hey guys, do you desires to finds a new book you just read? May be the book with the headline *The Joy of x: A Guided Tour of Math, from One to Infinity* suitable to you? The particular book was written by renowned writer in this era. The particular book untitled *The Joy of x: A Guided Tour of Math, from One to Infinity* is the main of several books this everyone read now. This particular book was inspired a number of people in the world. When you read this publication you will enter the new way of measuring that you ever know prior to. The author explained their plan in the simple way, consequently all of people can easily to know the core of this book. This book will give you a lot of information about this world now. So you can see the represented of the world in this particular book.

Chris McCree:

In this age globalization it is important to someone to receive information. The information will make a professional understand the condition of the world. The fitness of the world makes the information easier to share. You can find a lot of referrals to get information example: internet, newspapers, book, and soon. You can observe that now, a lot of publisher this print many kinds of book. Often the book that recommended to

you is The Joy of x: A Guided Tour of Math, from One to Infinity this guide consist a lot of the information on the condition of this world now. This particular book was represented how do the world has grown up. The terminology styles that writer use for explain it is easy to understand. The particular writer made some study when he makes this book. That is why this book suited all of you.

Keith Mayo:

Many people spending their moment by playing outside together with friends, fun activity having family or just watching TV 24 hours a day. You can have new activity to enjoy your whole day by reading a book. Ugh, ya think reading a book can definitely hard because you have to bring the book everywhere? It okay you can have the e-book, delivering everywhere you want in your Mobile phone. Like The Joy of x: A Guided Tour of Math, from One to Infinity which is getting the e-book version. So , try out this book? Let's see.

Download and Read Online The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz #EFU1M5T9Q6Z

Read The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz for online ebook

The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz 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 Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz books to read online.

Online The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz ebook PDF download

The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz Doc

The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz Mobipocket

The Joy of x: A Guided Tour of Math, from One to Infinity By Steven Strogatz EPub