



# Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers)

By Mark C. Chu-Carroll

[Download now](#)

[Read Online](#) 

## Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll

Mathematics is beautiful--and it can be fun and exciting as well as practical. *Good Math* is your guide to some of the most intriguing topics from two thousand years of mathematics: from Egyptian fractions to Turing machines; from the real meaning of numbers to proof trees, group symmetry, and mechanical computation. If you've ever wondered what lay beyond the proofs you struggled to complete in high school geometry, or what limits the capabilities of computer on your desk, this is the book for you.

Why do Roman numerals persist? How do we know that some infinities are larger than others? And how can we know for certain a program will ever finish? In this fast-paced tour of modern and not-so-modern math, computer scientist Mark Chu-Carroll explores some of the greatest breakthroughs and disappointments of more than two thousand years of mathematical thought. There is joy and beauty in mathematics, and in more than two dozen essays drawn from his popular "Good Math" blog, you'll find concepts, proofs, and examples that are often surprising, counterintuitive, or just plain weird.

Mark begins his journey with the basics of numbers, with an entertaining trip through the integers and the natural, rational, irrational, and transcendental numbers. The voyage continues with a look at some of the oddest numbers in mathematics, including zero, the golden ratio, imaginary numbers, Roman numerals, and Egyptian and continuing fractions. After a deep dive into modern logic, including an introduction to linear logic and the logic-savvy Prolog language, the trip concludes with a tour of modern set theory and the advances and paradoxes of modern mechanical computing.

If your high school or college math courses left you grasping for the inner meaning behind the numbers, Mark's book will both entertain and enlighten you.

 [Download Good Math: A Geek's Guide to the Beauty of Nu ...pdf](#)

 [Read Online Good Math: A Geek's Guide to the Beauty of ...pdf](#)

# Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers)

By Mark C. Chu-Carroll

## Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll

Mathematics is beautiful--and it can be fun and exciting as well as practical. *Good Math* is your guide to some of the most intriguing topics from two thousand years of mathematics: from Egyptian fractions to Turing machines; from the real meaning of numbers to proof trees, group symmetry, and mechanical computation. If you've ever wondered what lay beyond the proofs you struggled to complete in high school geometry, or what limits the capabilities of computer on your desk, this is the book for you.

Why do Roman numerals persist? How do we know that some infinities are larger than others? And how can we know for certain a program will ever finish? In this fast-paced tour of modern and not-so-modern math, computer scientist Mark Chu-Carroll explores some of the greatest breakthroughs and disappointments of more than two thousand years of mathematical thought. There is joy and beauty in mathematics, and in more than two dozen essays drawn from his popular "Good Math" blog, you'll find concepts, proofs, and examples that are often surprising, counterintuitive, or just plain weird.

Mark begins his journey with the basics of numbers, with an entertaining trip through the integers and the natural, rational, irrational, and transcendental numbers. The voyage continues with a look at some of the oddest numbers in mathematics, including zero, the golden ratio, imaginary numbers, Roman numerals, and Egyptian and continuing fractions. After a deep dive into modern logic, including an introduction to linear logic and the logic-savvy Prolog language, the trip concludes with a tour of modern set theory and the advances and paradoxes of modern mechanical computing.

If your high school or college math courses left you grasping for the inner meaning behind the numbers, Mark's book will both entertain and enlighten you.

## Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll Bibliography

- Sales Rank: #838905 in Books
- Published on: 2013-07-28
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x .59" w x 6.00" l, .84 pounds
- Binding: Paperback
- 282 pages



[Download Good Math: A Geek's Guide to the Beauty of Nu ...pdf](#)



[Read Online Good Math: A Geek's Guide to the Beauty of ...pdf](#)

---

## **Download and Read Free Online Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll**

---

### **Editorial Review**

### **Users Review**

#### **From reader reviews:**

##### **Kim Marshall:**

Book will be written, printed, or created for everything. You can learn everything you want by a e-book. Book has a different type. To be sure that book is important factor to bring us around the world. Beside that you can your reading ability was fluently. A e-book Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) will make you to end up being smarter. You can feel a lot more confidence if you can know about every little thing. But some of you think in which open or reading a book make you bored. It is far from make you fun. Why they could be thought like that? Have you trying to find best book or appropriate book with you?

##### **Erica Lewis:**

In this 21st one hundred year, people become competitive in each way. By being competitive today, people have do something to make all of them survives, being in the middle of the crowded place and notice by surrounding. One thing that at times many people have underestimated this for a while is reading. Yep, by reading a guide your ability to survive enhance then having chance to remain than other is high. For you personally who want to start reading a new book, we give you this kind of Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) book as basic and daily reading reserve. Why, because this book is usually more than just a book.

##### **Kimberly Lunceford:**

Reading a book tends to be new life style in this era globalization. With studying you can get a lot of information that may give you benefit in your life. With book everyone in this world can certainly share their idea. Textbooks can also inspire a lot of people. A lot of author can inspire their particular reader with their story or their experience. Not only the storyline that share in the ebooks. But also they write about the information about something that you need example of this. How to get the good score toefl, or how to teach your sons or daughters, there are many kinds of book that you can get now. The authors on earth always try to improve their ability in writing, they also doing some analysis before they write to the book. One of them is this Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers).

##### **Rick Fairchild:**

People live in this new morning of lifestyle always aim to and must have the time or they will get wide range

of stress from both daily life and work. So , once we ask do people have free time, we will say absolutely of course. People is human not only a robot. Then we ask again, what kind of activity have you got when the spare time coming to anyone of course your answer can unlimited right. Then do you ever try this one, reading ebooks. It can be your alternative in spending your spare time, the particular book you have read will be **Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers)**.

**Download and Read Online Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll #V4WLIZSP6MU**

# **Read Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll for online ebook**

Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll 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 Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll books to read online.

## **Online Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll ebook PDF download**

**Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll Doc**

**Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll MobiPocket**

**Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll EPub**

**V4WLIZSP6MU: Good Math: A Geek's Guide to the Beauty of Numbers, Logic, and Computation (Pragmatic Programmers) By Mark C. Chu-Carroll**