



# Visions of Infinity: The Great Mathematical Problems

By Ian Stewart

Download now

Read Online ➔

## Visions of Infinity: The Great Mathematical Problems By Ian Stewart

It is one of the wonders of mathematics that, for every problem mathematicians solve, another awaits to perplex and galvanize them. Some of these problems are new, while others have puzzled and bewitched thinkers across the ages. Such challenges offer a tantalizing glimpse of the field's unlimited potential, and keep mathematicians looking toward the horizons of intellectual possibility.

In *Visions of Infinity*, celebrated mathematician Ian Stewart provides a fascinating overview of the most formidable problems mathematicians have vanquished, and those that vex them still. He explains why these problems exist, what drives mathematicians to solve them, and why their efforts matter in the context of science as a whole. The three-century effort to prove Fermat's last theorem—first posited in 1630, and finally solved by Andrew Wiles in 1995—led to the creation of algebraic number theory and complex analysis. The Poincaré conjecture, which was cracked in 2002 by the eccentric genius Grigori Perelman, has become fundamental to mathematicians' understanding of three-dimensional shapes. But while mathematicians have made enormous advances in recent years, some problems continue to baffle us. Indeed, the Riemann hypothesis, which Stewart refers to as the “Holy Grail of pure mathematics,” and the P/NP problem, which straddles mathematics and computer science, could easily remain unproved for another hundred years.

An approachable and illuminating history of mathematics as told through fourteen of its greatest problems, *Visions of Infinity* reveals how mathematicians the world over are rising to the challenges set by their predecessors—and how the enigmas of the past inevitably surrender to the powerful techniques of the present.

↓ [Download Visions of Infinity: The Great Mathematical Problem ...pdf](#)

📄 [Read Online Visions of Infinity: The Great Mathematical Problem ...pdf](#)



# Visions of Infinity: The Great Mathematical Problems

*By Ian Stewart*

## Visions of Infinity: The Great Mathematical Problems By Ian Stewart

It is one of the wonders of mathematics that, for every problem mathematicians solve, another awaits to perplex and galvanize them. Some of these problems are new, while others have puzzled and bewitched thinkers across the ages. Such challenges offer a tantalizing glimpse of the field's unlimited potential, and keep mathematicians looking toward the horizons of intellectual possibility.

In *Visions of Infinity*, celebrated mathematician Ian Stewart provides a fascinating overview of the most formidable problems mathematicians have vanquished, and those that vex them still. He explains why these problems exist, what drives mathematicians to solve them, and why their efforts matter in the context of science as a whole. The three-century effort to prove Fermat's last theorem—first posited in 1630, and finally solved by Andrew Wiles in 1995—led to the creation of algebraic number theory and complex analysis. The Poincaré conjecture, which was cracked in 2002 by the eccentric genius Grigori Perelman, has become fundamental to mathematicians' understanding of three-dimensional shapes. But while mathematicians have made enormous advances in recent years, some problems continue to baffle us. Indeed, the Riemann hypothesis, which Stewart refers to as the “Holy Grail of pure mathematics,” and the P/NP problem, which straddles mathematics and computer science, could easily remain unproved for another hundred years.

An approachable and illuminating history of mathematics as told through fourteen of its greatest problems, *Visions of Infinity* reveals how mathematicians the world over are rising to the challenges set by their predecessors—and how the enigmas of the past inevitably surrender to the powerful techniques of the present.

## Visions of Infinity: The Great Mathematical Problems By Ian Stewart Bibliography

- Sales Rank: #741370 in Books
- Published on: 2013-03-05
- Released on: 2013-03-05
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.19" w x 6.13" l, 1.26 pounds
- Binding: Hardcover
- 352 pages

 [Download Visions of Infinity: The Great Mathematical Problem ...pdf](#)

 [Read Online Visions of Infinity: The Great Mathematical Problem ...pdf](#)



## **Editorial Review**

### **Users Review**

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

##### **Carolyn Hoffman:**

The reserve with title Visions of Infinity: The Great Mathematical Problems has a lot of information that you can understand it. You can get a lot of advantage after read this book. That book exist new knowledge the information that exist in this e-book represented the condition of the world currently. That is important to yo7u to know how the improvement of the world. This kind of book will bring you inside new era of the globalization. You can read the e-book in your smart phone, so you can read it anywhere you want.

##### **Robert Watts:**

Precisely why? Because this Visions of Infinity: The Great Mathematical Problems is an unordinary book that the inside of the book waiting for you to snap the idea but latter it will shock you with the secret it inside. Reading this book next to it was fantastic author who also write the book in such incredible way makes the content inside of easier to understand, entertaining method but still convey the meaning totally. So , it is good for you because of not hesitating having this ever again or you going to regret it. This unique book will give you a lot of positive aspects than the other book have such as help improving your talent and your critical thinking technique. So , still want to hold off having that book? If I had been you I will go to the e-book store hurriedly.

##### **Shirley Pedro:**

Do you have something that you want such as book? The guide lovers usually prefer to opt for book like comic, short story and the biggest an example may be novel. Now, why not striving Visions of Infinity: The Great Mathematical Problems that give your enjoyment preference will be satisfied by reading this book. Reading practice all over the world can be said as the means for people to know world better then how they react when it comes to the world. It can't be stated constantly that reading practice only for the geeky man or woman but for all of you who wants to possibly be success person. So , for all you who want to start reading as your good habit, you are able to pick Visions of Infinity: The Great Mathematical Problems become your own personal starter.

##### **Shelly Sampson:**

Reading a book to be new life style in this 12 months; every people loves to examine a book. When you examine a book you can get a large amount of benefit. When you read guides, you can improve your knowledge, due to the fact book has a lot of information into it. The information that you will get depend on

what sorts of book that you have read. If you would like get information about your study, you can read education books, but if you want to entertain yourself look for a fiction books, these us novel, comics, as well as soon. The Visions of Infinity: The Great Mathematical Problems provide you with new experience in reading a book.

**Download and Read Online Visions of Infinity: The Great Mathematical Problems By Ian Stewart #EPR9WSVQDX4**

## **Read Visions of Infinity: The Great Mathematical Problems By Ian Stewart for online ebook**

Visions of Infinity: The Great Mathematical Problems By Ian Stewart 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 Visions of Infinity: The Great Mathematical Problems By Ian Stewart books to read online.

### **Online Visions of Infinity: The Great Mathematical Problems By Ian Stewart ebook PDF download**

**Visions of Infinity: The Great Mathematical Problems By Ian Stewart Doc**

**Visions of Infinity: The Great Mathematical Problems By Ian Stewart Mobipocket**

**Visions of Infinity: The Great Mathematical Problems By Ian Stewart EPub**

**EPR9WSVQDX4: Visions of Infinity: The Great Mathematical Problems By Ian Stewart**