



# The Non-Euclidean Revolution

*By Richard J. Trudeau*

Download now

Read Online 

## **The Non-Euclidean Revolution** By Richard J. Trudeau

Richard Trudeau confronts the fundamental question of truth and its representation through mathematical models in *The Non-Euclidean Revolution*. First, the author analyzes geometry in its historical and philosophical setting; second, he examines a revolution every bit as significant as the Copernican revolution in astronomy and the Darwinian revolution in biology; third, on the most speculative level, he questions the possibility of absolute knowledge of the world. A portion of the book won the Pólya Prize, a distinguished award from the Mathematical Association of America.

 [Download The Non-Euclidean Revolution ...pdf](#)

 [Read Online The Non-Euclidean Revolution ...pdf](#)

# The Non-Euclidean Revolution

*By Richard J. Trudeau*

## **The Non-Euclidean Revolution** By Richard J. Trudeau

Richard Trudeau confronts the fundamental question of truth and its representation through mathematical models in *The Non-Euclidean Revolution*. First, the author analyzes geometry in its historical and philosophical setting; second, he examines a revolution every bit as significant as the Copernican revolution in astronomy and the Darwinian revolution in biology; third, on the most speculative level, he questions the possibility of absolute knowledge of the world. A portion of the book won the Pólya Prize, a distinguished award from the Mathematical Association of America.

## **The Non-Euclidean Revolution By Richard J. Trudeau Bibliography**

- Sales Rank: #1821529 in Books
- Brand: Brand: Birkhäuser Boston
- Published on: 1999-05-11
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x 6.25" w x .75" l, .0 pounds
- Binding: Hardcover
- 270 pages

 [Download The Non-Euclidean Revolution ...pdf](#)

 [Read Online The Non-Euclidean Revolution ...pdf](#)

## Editorial Review

Review

From the reviews:

"Trudeau meets the challenge of reaching a broad audience in clever ways...(The book) is a good addition to our literature on non-Euclidean geometry and it is recommended for the undergraduate library."--**Choice, February 1988**

"...the author, in this remarkable book, describes in an incomparable way the fascinating path taken by the geometry of the plane in its historical evolution from antiquity up to the discovery of non-Euclidean geometry. This 'non-Euclidean revolution', in all its aspects, is described very strikingly here...Many illustrations and some amusing sketches complement the very vividly written text."--**Mathematical Reviews**

"In *The Non-Euclidean Revolution*, we have a mathematically rigorous explanation of ... sea change in mathematics which is at the same time suitable for any educated reader. ... I have found that this book achieves my goal of bringing some serious mathematics into our honors program and Trudeau's goal of bringing his readers through the 19<sup>th</sup> century revolution brought about by an alternative to Euclid's geometry. ... Trudeau's book shines as a guide to that revolution." (Mark Bollman, MathDL, May, 2008)

From the Back Cover

How unique and definitive is Euclidean geometry in describing the "real" space in which we live?

Richard Trudeau confronts the fundamental question of truth and its representation through mathematical models in *The Non-Euclidean Revolution*. First, the author analyzes geometry in its historical and philosophical setting; second, he examines a revolution every bit as significant as the Copernican revolution in astronomy and the Darwinian revolution in biology; third, on the most speculative level, he questions the possibility of absolute knowledge of the world.

Trudeau writes in a lively, entertaining, and highly accessible style. His book provides one of the most stimulating and personal presentations of a struggle with the nature of truth in mathematics and the physical world. A portion of the book won the Pólya Prize, a distinguished award from the Mathematical Association of America.

"Trudeau meets the challenge of reaching a broad audience in clever ways...(The book) is a good addition to our literature on non-Euclidean geometry and it is recommended for the undergraduate library."--**Choice** (review of 1st edition)

"...the author, in this remarkable book, describes in an incomparable way the fascinating path taken by the geometry of the plane in its historical evolution from antiquity up to the discovery of non-Euclidean geometry. This 'non-Euclidean revolution', in all its aspects, is described very strikingly here...Many illustrations and some amusing sketches complement the very vividly written text."--**Mathematical Reviews**

## **Users Review**

### **From reader reviews:**

#### **James Lightle:**

Do you have favorite book? When you have, what is your favorite's book? Reserve is very important thing for us to be aware of everything in the world. Each guide has different aim or even goal; it means that guide has different type. Some people truly feel enjoy to spend their time and energy to read a book. These are reading whatever they acquire because their hobby is reading a book. What about the person who don't like studying a book? Sometime, man or woman feel need book once they found difficult problem or even exercise. Well, probably you'll have this The Non-Euclidean Revolution.

#### **Evelyn Looney:**

What do you about book? It is not important to you? Or just adding material when you require something to explain what the one you have problem? How about your time? Or are you busy person? If you don't have spare time to do others business, it is make you feel bored faster. And you have spare time? What did you do? Everybody has many questions above. They need to answer that question simply because just their can do that will. It said that about book. Book is familiar in each person. Yes, it is suitable. Because start from on jardín de infancia until university need this particular The Non-Euclidean Revolution to read.

#### **Kathy Woodward:**

A lot of people always spent their own free time to vacation as well as go to the outside with them friends and family or their friend. Do you realize? Many a lot of people spent these people free time just watching TV, or maybe playing video games all day long. If you wish to try to find a new activity that's look different you can read the book. It is really fun for yourself. If you enjoy the book that you read you can spent 24 hours a day to reading a reserve. The book The Non-Euclidean Revolution it is rather good to read. There are a lot of folks that recommended this book. These were enjoying reading this book. In the event you did not have enough space bringing this book you can buy the e-book. You can m0ore very easily to read this book through your smart phone. The price is not very costly but this book features high quality.

#### **Scott Manuel:**

This The Non-Euclidean Revolution is great e-book for you because the content that is full of information for you who always deal with world and have to make decision every minute. This specific book reveal it facts accurately using great manage word or we can state no rambling sentences inside. So if you are read this hurriedly you can have whole data in it. Doesn't mean it only offers you straight forward sentences but tough core information with attractive delivering sentences. Having The Non-Euclidean Revolution in your hand like obtaining the world in your arm, info in it is not ridiculous a single. We can say that no guide that offer you world throughout ten or fifteen tiny right but this book already do that. So , this is certainly good reading book. Hey there Mr. and Mrs. hectic do you still doubt in which?

**Download and Read Online The Non-Euclidean Revolution By  
Richard J. Trudeau #20WUE1TIDRC**

## **Read The Non-Euclidean Revolution By Richard J. Trudeau for online ebook**

The Non-Euclidean Revolution By Richard J. Trudeau 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 Non-Euclidean Revolution By Richard J. Trudeau books to read online.

### **Online The Non-Euclidean Revolution By Richard J. Trudeau ebook PDF download**

**The Non-Euclidean Revolution By Richard J. Trudeau Doc**

**The Non-Euclidean Revolution By Richard J. Trudeau Mobipocket**

**The Non-Euclidean Revolution By Richard J. Trudeau EPub**

**20WUE1TIDRC: The Non-Euclidean Revolution By Richard J. Trudeau**