



Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics)

Eugene F. Krause

Download now

[Click here](#) if your download doesn't start automatically

Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics)

Eugene F. Krause

Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) Eugene F. Krause

This entertaining, stimulating textbook offers anyone familiar with Euclidean geometry — undergraduate math students, advanced high school students, and puzzle fans of any age — an opportunity to explore taxicab geometry, a simple, non-Euclidean system that helps put Euclidean geometry in sharper perspective. In taxicab geometry, the shortest distance between two points is not a straight line. Distance is not measured as the crow flies, but as a taxicab travels the "grid" of the city street, from block to block, vertically and horizontally, until the destination is reached. Because of this non-Euclidean method of measuring distance, some familiar geometric figures are transmitted: for example, circles become squares.

However, taxicab geometry has important practical applications. As Professor Krause points out, "While Euclidean geometry appears to be a good model of the 'natural' world, taxicab geometry is a better model of the artificial urban world that man has built."

As a result, the book is replete with practical applications of this non-Euclidean system to urban geometry and urban planning — from deciding the optimum location for a factory or a phone booth, to determining the most efficient routes for a mass transit system.

The underlying emphasis throughout this unique, challenging textbook is on how mathematicians think, and how they apply an apparently theoretical system to the solution of real-world problems.

 [Download Taxicab Geometry: An Adventure in Non-Euclidean Ge ...pdf](#)

 [Read Online Taxicab Geometry: An Adventure in Non-Euclidean ...pdf](#)

Download and Read Free Online Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) Eugene F. Krause

From reader reviews:

Roy Christy:

Here thing why this specific Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) are different and reliable to be yours. First of all looking at a book is good nonetheless it depends in the content of the usb ports which is the content is as scrumptious as food or not. Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) giving you information deeper as different ways, you can find any e-book out there but there is no publication that similar with Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics). It gives you thrill looking at journey, its open up your own personal eyes about the thing that happened in the world which is might be can be happened around you. You can easily bring everywhere like in playground, café, or even in your approach home by train. If you are having difficulties in bringing the branded book maybe the form of Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) in e-book can be your choice.

Christopher Rayes:

A lot of people always spent their very own free time to vacation or perhaps go to the outside with them 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 need to try to find a new activity honestly, that is look different you can read any book. It is really fun in your case. If you enjoy the book that you read you can spent 24 hours a day to reading a guide. The book Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) it is quite good to read. There are a lot of folks that recommended this book. They were enjoying reading this book. When you did not have enough space to develop this book you can buy the e-book. You can m0ore quickly to read this book from a smart phone. The price is not very costly but this book provides high quality.

Evelyn Spencer:

As a scholar exactly feel bored to help reading. If their teacher inquired them to go to the library or to make summary for some publication, they are complained. Just little students that has reading's heart or real their passion. They just do what the teacher want, like asked to go to the library. They go to generally there but nothing reading really. Any students feel that reading through is not important, boring and also can't see colorful pictures on there. Yeah, it is for being complicated. Book is very important for you personally. As we know that on this age, many ways to get whatever we wish. Likewise word says, ways to reach Chinese's country. Therefore this Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) can make you feel more interested to read.

Elaine Woodring:

Reading a publication make you to get more knowledge as a result. You can take knowledge and information

coming from a book. Book is created or printed or highlighted from each source which filled update of news. In this particular modern era like at this point, many ways to get information are available for a person. From media social just like newspaper, magazines, science e-book, encyclopedia, reference book, story and comic. You can add your understanding by that book. Isn't it time to spend your spare time to open your book? Or just searching for the Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) when you necessary it?

Download and Read Online Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) Eugene F. Krause #V1SGAIZXHQ7

Read Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) by Eugene F. Krause for online ebook

Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) by Eugene F. Krause 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 Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) by Eugene F. Krause books to read online.

Online Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) by Eugene F. Krause ebook PDF download

Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) by Eugene F. Krause Doc

Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) by Eugene F. Krause Mobipocket

Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) by Eugene F. Krause EPub