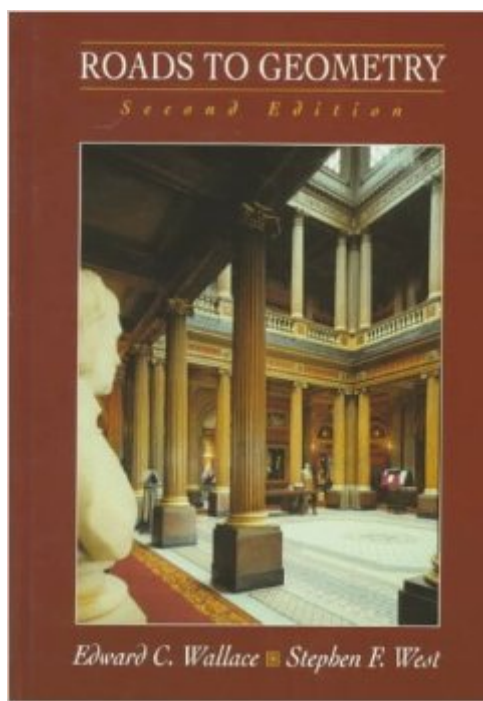


The book was found

Roads To Geometry (2nd Edition)



Synopsis

Appropriate for junior level college geometry courses. Assumes only a prior course in high school geometry and the mathematical maturity usually provided by a semester of calculus or discrete mathematics. This book provides a geometrical experience that unifies a mostly Euclidean approach with various non-Euclidean views of the world. It offers the reader a "map" for a voyage through plane geometry and its various branches, as well as side-trips that discuss analytic and transformational geometry.

Book Information

Hardcover: 447 pages

Publisher: Prentice Hall College Div; 2 edition (August 29, 1997)

Language: English

ISBN-10: 0131816527

ISBN-13: 978-0131816527

Product Dimensions: 0.8 x 6.5 x 9.5 inches

Shipping Weight: 1.5 pounds

Average Customer Review: 2.6 out of 5 stars [See all reviews](#) (12 customer reviews)

Best Sellers Rank: #1,108,424 in Books (See Top 100 in Books) #41 in [Books > Science & Math > Mathematics > Geometry & Topology > Non-Euclidean Geometries](#) #645 in [Books > Textbooks > Science & Mathematics > Mathematics > Geometry](#) #258647 in [Books > Reference](#)

Customer Reviews

I am currently using this book for an advanced Geometry class. The book works well in conjunction with a well taught class, which I thankfully have. The text contains a lot of information, although not all of the mathematical subtleties are brought to the readers attention, and are either left as exercises or for the student to ponder further. Greater analysis of deep and complex concepts would have been appreciated, and some answers to the problems would have been helpful as well -- the book contains none, which is a shame because the exercises are pretty good and are a requirement to master the material. I can understand why my professor likes this book, but it can be difficult to learn from if you haven't been exposed to the material before, and especially if you need to rely on it as a primary source of information.

*Note: this refers to the second edition. Author: CS/Math double major at Cameron University. This is the book I unfortunately got stuck with for my College Geometry class at Cameron. Thankfully I had

a great teacher and I enjoyed the class in addition to getting an 'A', but that was no thanks to this textbook. Our class and the textbook were proof-oriented and designed to introduce the student to the basic axioms, theorems, and developments of several geometries. The book doesn't go extremely in-depth into any geometry but it was only designed to introduce the basic logic and principles of the geometries anyway. The problem is the extreme conciseness and unclarity of the material. Chapter 1 is written well enough, giving the reader a good foundation in axiomatic development. From then on, each chapter starts with a list of axioms and explanations and then it's the traditional theorem-proof-theorem-proof format. Unfortunately, the proofs are condensed into as compact a format as possible. The way the proofs were written, it kind of made the book feel like 1000 page book crammed into 400. The drawings are somewhat helpful but even those are lacking. Also, a series of exercises are given at the end of each section yet no answers are given in the back. And, like most geometry books, there's no available study guide. On the plus side, the exercises have a nice range of difficulty, from trivial to virtually impossible and everything in between. Avoid if you can or pray you get a good teacher like I did.

This book leaves much to be desired... it does a good job for the most part in explaining some proofs, but a lot of the time, you have to struggle to understand the examples because they aren't always very clear on what they are saying. I did enjoy reading it and I would definitely say I learned a lot, I just wish the book developed ideas a bit more and had more and better visuals. All in all, not a terrible book at all.. just be warned.. it doesn't spoon feed anything, you need to struggle with the text to understand the topics thoroughly. I would have given it a 3.5

This is a great book for a Math major. While there are quite a few typos in it, it teaches the basics of Axiomatic Geometries like no other book. There are few books that teach Neutral Geometry at an undergraduate level. Excellent value also.

My review is basically a warning about a defective stock of books. I ordered one January 2012 at it was printed backwards, and when I requested a replacement, it was also printed backwards (I promise I'm not crazy, it really was backwards). They can't replace it a second time, and at any rate, it probably means the whole stock was defective. I let customer service know and they gave me a discount, but I thought I'd put out a warning. If you order this book close to January 2012, you might get a backwards one.

This book is an easy read and I can understand it, but some of the problems at the end of the chapters are a little confusing.

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