An Axiomatic Approach to Geometry: Geometric Trilogy I

Francis Borceux

An Axiomatic Approach to Geometry: Geometric Trilogy I

Francis Borceux

An Axiomatic Approach to Geometry: Geometric Trilogy I Francis Borceux

Focusing methodologically on those historical aspects that are relevant to supporting intuition in axiomatic approaches to geometry, the book develops systematic and modern approaches to the three core aspects of axiomatic geometry: Euclidean, non-Euclidean and projective. Historically, axiomatic geometry marks the origin of formalized mathematical activity. It is in this discipline that most historically famous problems can be found, the solutions of which have led to various presently very active domains of research, especially in algebra. The recognition of the coherence of two-by-two contradictory axiomatic systems for geometry (like one single parallel, no parallel at all, several parallels) has led to the emergence of mathematical theories based on an arbitrary system of axioms, an essential feature of contemporary mathematics.

This is a fascinating book for all those who teach or study axiomatic geometry, and who are interested in the history of geometry or who want to see a complete proof of one of the famous problems encountered, but not solved, during their studies: circle squaring, duplication of the cube, trisection of the angle, construction of regular polygons, construction of models of non-Euclidean geometries, etc. It also provides hundreds of figures that support intuition.

Through 35 centuries of the history of geometry, discover the birth and follow the evolution of those innovative ideas that allowed humankind to develop so many aspects of contemporary mathematics. Understand the various levels of rigor which successively established themselves through the centuries. Be amazed, as mathematicians of the 19th century were, when observing that both an axiom and its contradiction can be chosen as a valid basis for developing a mathematical theory. Pass through the door of this incredible world of axiomatic mathematical theories!

From reader reviews:

Amy Hewitt:

Nowadays reading books be a little more than want or need but also turn into a life style. This reading routine give you lot of advantages. Advantages you got of course the knowledge the actual information inside the book that improve your knowledge and information. The information you get based on what kind of reserve you read, if you want drive more knowledge just go with education books but if you want experience happy read one using theme for entertaining such as comic or novel. Typically the An Axiomatic Approach to Geometry: Geometric Trilogy I is kind of book which is giving the reader erratic experience.

Joseph Owens:

The publication with title An Axiomatic Approach to Geometry: Geometric Trilogy I posesses a lot of information that you can discover it. You can get a lot of help after read this book. This book exist new knowledge the information that exist in this publication represented the condition of the world today. That is important to yo7u to be aware of how the improvement of the world. This book will bring you throughout new era of the syndication. You can read the e-book in your smart phone, so you can read this anywhere you want.

Paul Mendosa:

This An Axiomatic Approach to Geometry: Geometric Trilogy I is great book for you because the content that is full of information for you who else always deal with world and have to make decision every minute. This kind of book reveal it data accurately using great arrange word or we can claim no rambling sentences inside it. So if you are read the idea hurriedly you can have whole facts in it. Doesn't mean it only will give you straight forward sentences but difficult core information with beautiful delivering sentences. Having An Axiomatic Approach to Geometry: Geometric Trilogy I in your hand like having the world in your arm, data in it is not ridiculous one. We can say that no e-book that offer you world inside ten or fifteen minute right but this reserve already do that. So , this is good reading book. Hey Mr. and Mrs. hectic do you still doubt which?

Michael Kenney:

Is it you actually who having spare time after that spend it whole day by watching television programs or just telling lies on the bed? Do you need something new? This An Axiomatic Approach to Geometry: Geometric Trilogy I can be the response, oh how comes? A book you know. You are so out of date, spending your extra time by reading in this brand-new era is common not a nerd activity. So what these books have than the others?

Download and Read Online An Axiomatic Approach to Geometry: Geometric Trilogy I Francis Borceux #F5I0OMY8B7V

Read An Axiomatic Approach to Geometry: Geometric Trilogy I by Francis Borceux for online ebook

An Axiomatic Approach to Geometry: Geometric Trilogy I by Francis Borceux 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 An Axiomatic Approach to Geometry: Geometric Trilogy I by Francis Borceux books to read online.

Online An Axiomatic Approach to Geometry: Geometric Trilogy I by Francis Borceux ebook PDF download

An Axiomatic Approach to Geometry: Geometric Trilogy I by Francis Borceux Doc

An Axiomatic Approach to Geometry: Geometric Trilogy I by Francis Borceux Mobipocket

An Axiomatic Approach to Geometry: Geometric Trilogy I by Francis Borceux EPub