The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs)

Michael W. Davis

The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs)

Michael W. Davis

The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) Michael W. Davis

The Geometry and Topology of Coxeter Groups is a comprehensive and authoritative treatment of Coxeter groups from the viewpoint of geometric group theory. Groups generated by reflections are ubiquitous in mathematics, and there are classical examples of reflection groups in spherical, Euclidean, and hyperbolic geometry. Any Coxeter group can be realized as a group generated by reflection on a certain contractible cell complex, and this complex is the principal subject of this book. The book explains a theorem of Moussong that demonstrates that a polyhedral metric on this cell complex is nonpositively curved, meaning that Coxeter groups are "CAT(0) groups." The book describes the reflection group trick, one of the most potent sources of examples of aspherical manifolds. And the book discusses many important topics in geometric group theory and topology, including Hopf's theory of ends; contractible manifolds and homology spheres; the Poincaré Conjecture; and Gromov's theory of CAT(0) spaces and groups. Finally, the book examines connections between Coxeter groups and some of topology's most famous open problems concerning aspherical manifolds, such as the Euler Characteristic Conjecture and the Borel and Singer conjectures.

Download and Read Free Online The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) Michael W. Davis

---

From reader reviews:

Eileen Williams:

What do you about book? It is not important with 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 individual? If you don't have spare time to do others business, it is make you feel bored faster. And you have time? What did you do? Everybody has many questions above. They have to answer that question simply because just their can do which. It said that about publication. Book is familiar in each person. Yes, it is suitable. Because start from on jardín de infancia until university need this specific The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) to read.

Janice Arias:

Now a day people that Living in the era exactly where everything reachable by interact with the internet and the resources included can be true or not demand people to be aware of each data they get. How individuals to be smart in having any information nowadays? Of course the answer then is reading a book. Reading a book can help men and women out of this uncertainty Information especially this The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) book because book offers you rich data and knowledge. Of course the details in this book hundred % guarantees there is no doubt in it you probably know this.

Heather Delph:

This The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) usually are reliable for you who want to be a successful person, why. The reason why of this The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) can be among the great books you must have is definitely giving you more than just simple reading food but feed you with information that maybe will shock your preceding knowledge. This book is usually handy, you can bring it just about everywhere and whenever your conditions throughout the e-book and printed ones. Beside that this The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) forcing you to have an enormous of experience like rich vocabulary, giving you tryout of critical thinking that we realize it useful in your day task. So , let's have it and enjoy reading.

David Murray:

As a college student exactly feel bored to be able to reading. If their teacher asked them to go to the library in order to make summary for some publication, they are complained. Just little students that has reading's spirit or real their interest. They just do what the instructor want, like asked to the library. They go to generally there but nothing reading significantly. Any students feel that studying is not important, boring as well as can't see colorful photos 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 really wish for. Likewise word says,

ways to reach Chinese's country. So , this The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) can make you truly feel more interested to read.

Download and Read Online The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) Michael W. Davis #04RJPFC1EYS

Read The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) by Michael W. Davis for online ebook

The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) by Michael W. Davis 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 Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) by Michael W. Davis books to read online.

Online The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) by Michael W. Davis ebook PDF download

The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) by Michael W. Davis Doc

The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) by Michael W. Davis Mobipocket

The Geometry and Topology of Coxeter Groups. (LMS-32) (London Mathematical Society Monographs) by Michael W. Davis EPub