



Geometry of Complex Numbers (Dover Books on Mathematics)

Hans Schwerdtfeger

Download now

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

Geometry of Complex Numbers (Dover Books on Mathematics)

Hans Schwerdtfeger

Geometry of Complex Numbers (Dover Books on Mathematics) Hans Schwerdtfeger

"This book should be in every library, and every expert in classical function theory should be familiar with this material. The author has performed a distinct service by making this material so conveniently accessible in a single book." — *Mathematical Review*

Since its initial publication in 1962, Professor Schwerdtfeger's illuminating book has been widely praised for generating a deeper understanding of the geometrical theory of analytic functions as well as of the connections between different branches of geometry. Its focus lies in the intersection of geometry, analysis, and algebra, with the exposition generally taking place on a moderately advanced level. Much emphasis, however, has been given to the careful exposition of details and to the development of an adequate algebraic technique.

In three broad chapters, the author clearly and elegantly approaches his subject. The first chapter, Analytic Geometry of Circles, treats such topics as representation of circles by Hermitian matrices, inversion, stereographic projection, and the cross ratio. The second chapter considers in depth the Moebius transformation: its elementary properties, real one-dimensional projectivities, similarity and classification of various kinds, anti-homographies, iteration, and geometrical characterization. The final chapter, Two-Dimensional Non-Euclidean Geometries, discusses subgroups of Moebius transformations, the geometry of a transformation group, hyperbolic geometry, and spherical and elliptic geometry. For this Dover edition, Professor Schwerdtfeger has added four new appendices and a supplementary bibliography.

Advanced undergraduates who possess a working knowledge of the algebra of complex numbers and of the elements of analytical geometry and linear algebra will greatly profit from reading this book. It will also prove a stimulating and thought-provoking book to mathematics professors and teachers.



[Download Geometry of Complex Numbers \(Dover Books on Mathem ...pdf](#)



[Read Online Geometry of Complex Numbers \(Dover Books on Math ...pdf](#)

Download and Read Free Online Geometry of Complex Numbers (Dover Books on Mathematics)
Hans Schwerdtfeger

From reader reviews:

Coralee Lowe:

What do you with regards to book? It is not important along with you? Or just adding material when you want something to explain what your own problem? How about your spare time? Or are you busy person? If you don't have spare time to complete others business, it is make one feel bored faster. And you have extra time? What did you do? Everyone has many questions above. The doctor has to answer that question simply because just their can do that. It said that about publication. Book is familiar in each person. Yes, it is proper. Because start from on pre-school until university need this kind of Geometry of Complex Numbers (Dover Books on Mathematics) to read.

Cesar Ford:

This Geometry of Complex Numbers (Dover Books on Mathematics) are generally reliable for you who want to become a successful person, why. The key reason why of this Geometry of Complex Numbers (Dover Books on Mathematics) can be one of many great books you must have will be giving you more than just simple studying food but feed you with information that probably will shock your preceding knowledge. This book is handy, you can bring it almost everywhere and whenever your conditions in the e-book and printed kinds. Beside that this Geometry of Complex Numbers (Dover Books on Mathematics) giving you an enormous of experience including rich vocabulary, giving you test of critical thinking that we all know it useful in your day task. So , let's have it and luxuriate in reading.

Richard Sauls:

Geometry of Complex Numbers (Dover Books on Mathematics) can be one of your beginning books that are good idea. All of us recommend that straight away because this guide has good vocabulary that will increase your knowledge in terminology, easy to understand, bit entertaining but delivering the information. The article author giving his/her effort to set every word into enjoyment arrangement in writing Geometry of Complex Numbers (Dover Books on Mathematics) although doesn't forget the main level, giving the reader the hottest along with based confirm resource information that maybe you can be certainly one of it. This great information could drawn you into completely new stage of crucial considering.

William Rockwood:

Do you like reading a guide? Confuse to looking for your selected book? Or your book ended up being rare? Why so many question for the book? But any people feel that they enjoy regarding reading. Some people likes examining, not only science book and also novel and Geometry of Complex Numbers (Dover Books on Mathematics) or even others sources were given understanding for you. After you know how the fantastic a book, you feel need to read more and more. Science e-book was created for teacher or maybe students especially. Those books are helping them to increase their knowledge. In some other case, beside science book, any other book likes Geometry of Complex Numbers (Dover Books on Mathematics) to make your

spare time considerably more colorful. Many types of book like this.

Download and Read Online Geometry of Complex Numbers (Dover Books on Mathematics) Hans Schwerdtfeger #70R1QJ6ZVTY

Read Geometry of Complex Numbers (Dover Books on Mathematics) by Hans Schwerdtfeger for online ebook

Geometry of Complex Numbers (Dover Books on Mathematics) by Hans Schwerdtfeger 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 Geometry of Complex Numbers (Dover Books on Mathematics) by Hans Schwerdtfeger books to read online.

Online Geometry of Complex Numbers (Dover Books on Mathematics) by Hans Schwerdtfeger ebook PDF download

Geometry of Complex Numbers (Dover Books on Mathematics) by Hans Schwerdtfeger Doc

Geometry of Complex Numbers (Dover Books on Mathematics) by Hans Schwerdtfeger MobiPocket

Geometry of Complex Numbers (Dover Books on Mathematics) by Hans Schwerdtfeger EPub