



A Concise Introduction to Hypercomplex Fractals

By Andrzej Katunin



A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin

This book presents concisely the full story on complex and hypercomplex fractals, starting from the very first steps in complex dynamics and resulting complex fractal sets, through the generalizations of Julia and Mandelbrot sets on a complex plane and the Holy Grail of the fractal geometry – a 3D Mandelbrot set, and ending with hypercomplex, multicomplex and multihypercomplex fractal sets which are still under consideration of scientists. I tried to write this book in a possibly simple way in order to make it understandable to most people whose math knowledge covers the fundamentals of complex numbers only. Moreover, the book is full of illustrations of generated fractals and stories concerned with great mathematicians, number spaces and related fractals. In the most cases only information required for proper understanding of a nature of a given vector space or a construction of a given fractal set is provided, nevertheless a more advanced reader may treat this book as a fundamental compendium on hypercomplex fractals with references to purely scientific issues like dynamics and stability of hypercomplex systems.

 [Download A Concise Introduction to Hypercomplex Fractals ...pdf](#)

 [Read Online A Concise Introduction to Hypercomplex Fractals ...pdf](#)

A Concise Introduction to Hypercomplex Fractals

By Andrzej Katunin

A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin

This book presents concisely the full story on complex and hypercomplex fractals, starting from the very first steps in complex dynamics and resulting complex fractal sets, through the generalizations of Julia and Mandelbrot sets on a complex plane and the Holy Grail of the fractal geometry – a 3D Mandelbrot set, and ending with hypercomplex, multicomplex and multihypercomplex fractal sets which are still under consideration of scientists. I tried to write this book in a possibly simple way in order to make it understandable to most people whose math knowledge covers the fundamentals of complex numbers only. Moreover, the book is full of illustrations of generated fractals and stories concerned with great mathematicians, number spaces and related fractals. In the most cases only information required for proper understanding of a nature of a given vector space or a construction of a given fractal set is provided, nevertheless a more advanced reader may treat this book as a fundamental compendium on hypercomplex fractals with references to purely scientific issues like dynamics and stability of hypercomplex systems.

A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin Bibliography

- Rank: #8003323 in Books
- Published on: 2017-08-23
- Original language: English
- Binding: Hardcover
- 99 pages

 [Download A Concise Introduction to Hypercomplex Fractals ...pdf](#)

 [Read Online A Concise Introduction to Hypercomplex Fractals ...pdf](#)

Download and Read Free Online A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin

Editorial Review

About the Author

Prof. Andrzej Katunin received B.Sc. (2006) in mechanical engineering from Bialystok University of Technology, Poland, and the M.Sc. (2008), Ph.D. (2012) and D.Sc. (2015) in the same discipline from Silesian University of Technology, Poland. His scientific works on fractals cover both purely mathematical studies as well as application issues in computer graphics and various engineering fields.

Users Review

From reader reviews:

Reginald Hunter:

In this 21st hundred years, people become competitive in each and every way. By being competitive right now, people have do something to make these survives, being in the middle of the particular crowded place and notice simply by surrounding. One thing that at times many people have underestimated the item for a while is reading. Yes, by reading a guide your ability to survive improve then having chance to remain than other is high. In your case who want to start reading the book, we give you this A Concise Introduction to Hypercomplex Fractals book as beginning and daily reading publication. Why, because this book is usually more than just a book.

Brian Bauer:

Reading a reserve can be one of a lot of action that everyone in the world adores. Do you like reading book therefore. There are a lot of reasons why people enjoyed. First reading a reserve will give you a lot of new info. When you read a book you will get new information since book is one of various ways to share the information or maybe their idea. Second, reading through a book will make anyone more imaginative. When you studying a book especially fictional book the author will bring you to imagine the story how the characters do it anything. Third, it is possible to share your knowledge to other people. When you read this A Concise Introduction to Hypercomplex Fractals, you can tells your family, friends along with soon about yours reserve. Your knowledge can inspire different ones, make them reading a publication.

Aaron Blue:

Do you have something that you prefer such as book? The e-book lovers usually prefer to decide on book like comic, small story and the biggest one is novel. Now, why not seeking A Concise Introduction to Hypercomplex Fractals that give your fun preference will be satisfied by means of reading this book. Reading practice all over the world can be said as the way for people to know world a great deal better then how they react to the world. It can't be claimed constantly that reading addiction only for the geeky person but for all of you who wants to become success person. So , for every you who want to start looking at as

your good habit, you can pick A Concise Introduction to Hypercomplex Fractals become your personal starter.

Eli Benton:

As we know that book is very important thing to add our knowledge for everything. By a reserve we can know everything we would like. A book is a list of written, printed, illustrated or blank sheet. Every year was exactly added. This publication A Concise Introduction to Hypercomplex Fractals was filled regarding science. Spend your extra time to add your knowledge about your technology competence. Some people has distinct feel when they reading a book. If you know how big benefit of a book, you can feel enjoy to read a reserve. In the modern era like currently, many ways to get book that you simply wanted.

**Download and Read Online A Concise Introduction to
Hypercomplex Fractals By Andrzej Katunin #V4HXJQGWADU**

Read A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin for online ebook

A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin 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 A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin books to read online.

Online A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin ebook PDF download

A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin Doc

A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin Mobipocket

A Concise Introduction to Hypercomplex Fractals By Andrzej Katunin EPub