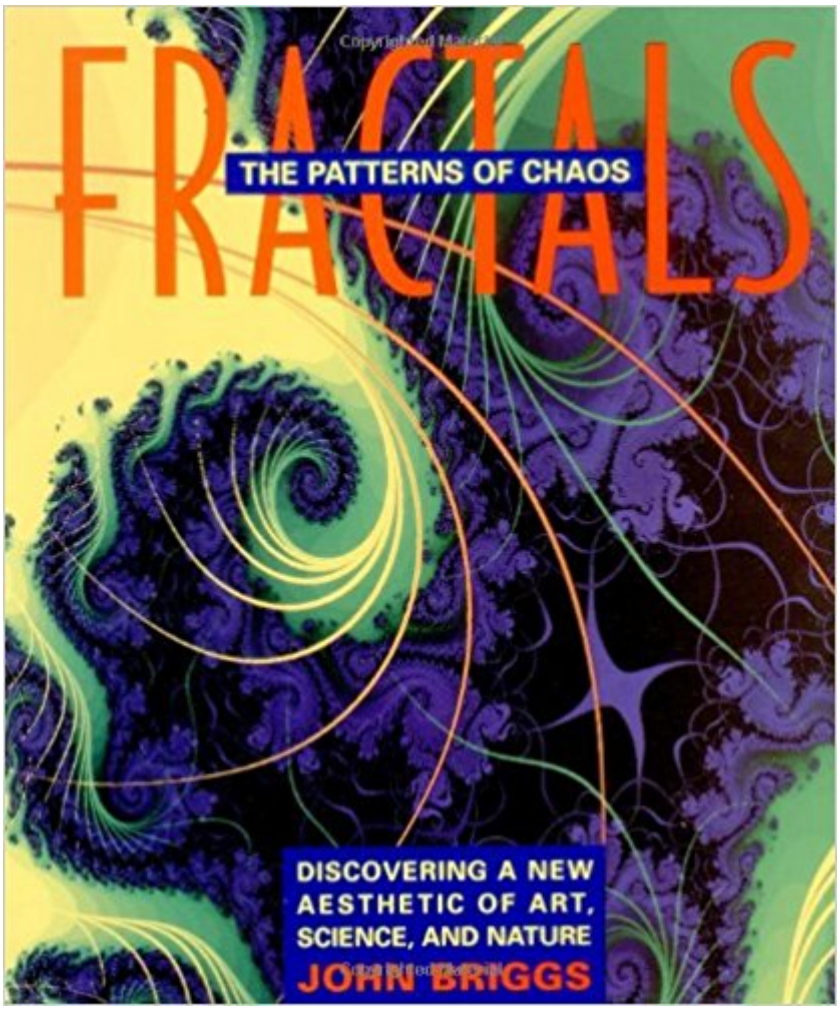
Fractals: The Patterns Of Chaos: Discovering A New Aesthetic Of Art, Science, And Nature (A Touchstone Book)



Synopsis

Fractals are unique patterns left behind by the unpredictable movements -- the chaos -- of the world at work. The branching patterns of trees, the veins in a hand, water twisting out of a running tap -- all of these are fractals. Learn to recognize them and you will never again see things in quite the same way.Fractals permeate our lives, appearing in places as tiny as the surface of a virus and as majestic as the Grand Canyon. From ancient tribal peoples to modern painters to the animators of "Star Wars," artists have been captivated by fractals and have utilized them in their work. Computer buffs are wild about fractals as well, for they can be generated on ordinary home computers.In "Fractals: The Patterns of Chaos," science writer John Briggs uses over 170 illustrations to clearly explain the significance -- and more importantly, the beauty -- of fractals. He describes how fractals were discovered, how they are formed, and the unique properties different fractals share. "Fractals" is a breathtaking guided tour of a brand new aesthetic of art, science, and nature. It will revolutionize the way you see the world and your place within it.* Contains a special bibliography listing fractal generating software for desktop computers

Book Information

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Customer Reviews

David Bohm physicist and author of Wholeness and the Implicate Order With insight and simplicity, John Briggs blends together chaos theory, fractal geometry, and art in order to bring us to a greater perception of the reality unfolding and enfolding around us....Exceptionally clear about the science. -- Review

John Briggs is a science writer with a Ph.D. in Aesthetics and Psychology. His work has appeared in Omni, and he is the author of Fire in the Crucible and coauthor of Turbulent Mirror. He is currently at wok on his next book, The Universe as a Work of Art.

Though this book is now out of print it has not yet been surpassed (or even replaced) as an inhtroduction to the worelds of fractal illustarations. The photographs are astouding - and this leads the reader to read the print to find out more about the patterns that this book describes. Though the book is about mathematical ideas there is a dearth of complicated mathematical formulae. It is easy reading for anyone who can add, subtract and multiply (no division!) andwho understand the very simplest algebra. I have used this book in a course I teach at our local Senior College and all the students love it. I am anxiously awaiting a second updated edition.

I've always wanted to know more about but...WOW! This book is informative, interesting and well written. Thank you John Briggs for knowing not only fractals but how to write with such universal appeal.

Love the book!

stunning / informative

Excellent all the way around. I would buy from them again. Very satisfied overall.

For those who are interested in what fractals are, the enormous importance they offer, and the incredible applications that are possible, look elsewhere. This is much more of an artistic book aimed at resting on a coffee table. It relies on photographs to keep your attention because the text says virtually nothing. The value of this book depends upon what it is intended for. It is void of useful information concerning theory or applications-it continually describes fractals as 'patterns of chaos' implying that they are not understandable. Certainly there is much more to them than we presently understand, but I was expecting a book that would educate me on what we do understand about them. This is not the book.

Excellent book. Why are these not published today.

This is a very good book that I own that has some great pictures and explains the Patterns of Chaos. Einstein wrote, "God does not play dice with the Universe."

Fractals: The Patterns of Chaos: Discovering a New Aesthetic of Art, Science, and Nature (A Touchstone Book) The Story of Philosophy (Touchstone Books) (Touchstone Books (Paperback)) The Computational Beauty of Nature: Computer Explorations of Fractals, Chaos, Complex Systems, and Adaptation The Computational Beauty of Nature: Computer Explorations of Fractals, Chaos, Complex Systems, and Adaptation (MIT Press) Chaos and Fractals: New Frontiers of Science Fractals, Wavelets, and their Applications: Contributions from the International Conference and Workshop on Fractals and Wavelets (Springer Proceedings in Mathematics & Statistics) Fractals in Physics: Proceedings of the Sixth Trieste International Symposium on Fractals in Physics, Ictp, Trieste, Italy, July 9-12, 1985 Mysterious Patterns: Finding Fractals in Nature Fractals and Chaos: The Mandelbrot Set and Beyond Chaos and Fractals: An Elementary Introduction Encounters with Chaos and Fractals, Second Edition Playing with Chaos: Programming Fractals and Strange Attractors in JavaScript Fractals, Chaos, Power Laws: Minutes from an Infinite Paradise (Dover Books on Physics) Fractals, Chaos, Power Laws: Minutes from an Infinite Paradise Sound (Discovering Science) (Discovering Science) How to Read a Book: The Classic Guide to Intelligent Reading (A Touchstone book) How to Read a Book (A Touchstone Book) Fractals--Seeing Nature's Hidden Dimension: An Interactive Book for Children and their Parents Diplomacy (Touchstone Book) Men of Mathematics (Touchstone Book)