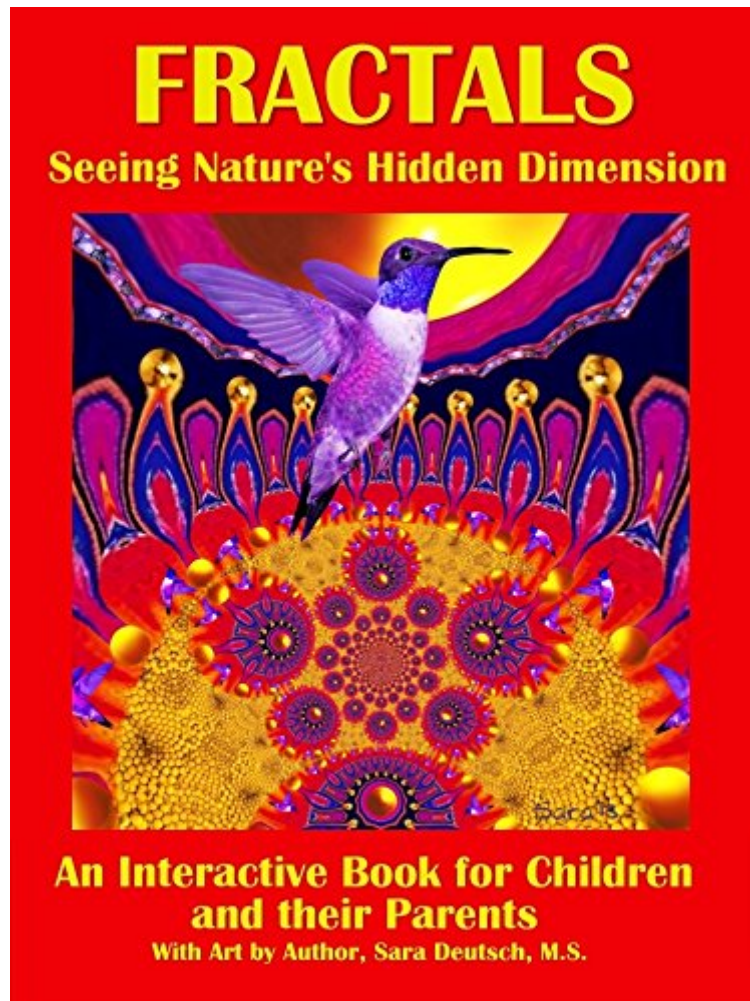


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# Fractals--Seeing Nature's Hidden Dimension: An Interactive Book For Children And Their Parents



## Synopsis

FRACTAL MAGIC FOR CHILDREN AND THEIR PARENTS >FRACTALS--Seeing Nature's Hidden Dimension is an interactive book, for children from 7-14 years old and their parents, about opening our eyes to see the strange, beautiful forms of fractals everywhere. The whole universe is fractal, and seeing fractals can change the way you look at your world! In this richly illustrated book with 40 images, you will see fractals in trees, leaves, landscapes, water, rivers, clouds, flowers, snow, lightning, vegetables, biological networks, birds and sea creatures, as well as the author's inspired, fractal paintings. Old Euclidean math deals with simple smooth shapes like points, lines, circles, cubes and squares, It's useful for describing things that people make--buildings, bridges, industrial goods--but can't explain the rough, irregular shapes found in nature. "Clouds are not spheres, mountains are not cones, coastlines are not circles," said Mandlebrot, who coined the word, "fractal." This new geometry allows us to describe the unpredictable: the timing and sizes of earthquakes, fluctuations in financial markets and the variation in a person's heartbeat. Fractals are not only mysterious and beautiful; they are useful, inspiring scientists in medicine, genetics, engineering, astronomy and ecology. Fractals can diagnosis diseases, create new products, like cell phone antennae. They create realistic alien environments in science fiction movies. like Star Trek and Star Wars, special effects and games, and dazzling art and music. Most importantly, fractals change the way we see the world. Recognizing the chaotic, fractal nature of our world gives us new insight, and wisdom. It can teach us to trust our intuition, and gut instincts. Fractal geometry inspires us to study nature and find order in what seems random. FRACTAL THINGS TO DO, the final chapter of the book shows how children, as well as adults, can create their own fractals, and offers suggestions for learning more about nature's hidden dimension and the thumbprints of creation.

## Book Information

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## Customer Reviews

I've always loved fractals and been fascinated with them. This book was a quick and nice read about what fractals are and how they occur naturally. I was interested to learn that I could find a way to make some of my own fractal images online. I enjoyed it completely!

If you want a bunch of pretty pictures, this is your book. If you really want to learn about fractals, forget it. Other than the pictures, this book is empty of any information explaining the depth and mystery of fractals. If you really want a book that explains infinity in terms a lay person can understand, go the "Fractals: The Patterns of Chaos" by John Briggs. It has pictures but explains the incredible complexity of the subject.

I love a book that opens my eyes to things I don't ordinarily think about and "fractals" by Sara Deutsch is just such a book. I downloaded it initially because I was attracted to the title and had a vague notion of what a fractal is but wanted find out more. Sara explains it in perfect simple terms and leaves the reader with new ways to observe the world around us and even some projects you can do. The pictures alone are worth the purchase.

This book felt to me like a collection of fractal images matched up with their "look-alike counterparts" in nature. Imaginative and lovingly put together, but not contributing much to my need to "see the hidden" which was promised in the title.

What an interesting book with stunning images! I found this book to be an enlightening and eye-opening introduction into the universe of fractals. Though I've often noticed these fascinating patterns of nature I had no idea there was a special name for them. Perhaps if everyone were more aware of fractals and would take the time to view life through a fractal lens, we might begin to see

that though we are each uniquely individual, we are also intricately connected...Highly recommended!

Nice to have a book about the topic. However this is way overpriced for the value provided! Not worth the money! The information and pictures presented and sold in this book could be collected and put together by anyone from the internet in 2-3 hours...

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