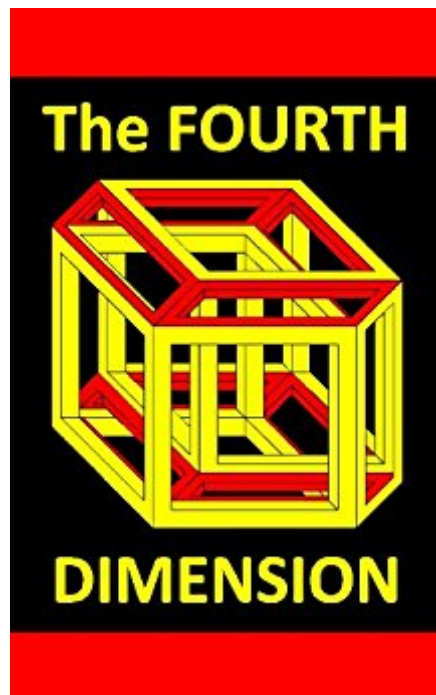




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A Visual Introduction To The Fourth Dimension (Rectangular 4D Geometry)



Synopsis

This colorful, visual introduction to the fourth dimension provides a clear explanation of the concepts and numerous illustrations. It is written with a touch of personality that makes this an engaging read instead of a dry math text. The content is very accessible, yet at the same time detailed enough to satisfy the interests of advanced readers. This book is devoted to geometry; there are no spiritual or religious components to this book. May you enjoy your journey into the fascinating world of the fourth dimension!

Contents:

Introduction

Chapter 0: What Is a Dimension?

Chapter 1: Dimensions Zero and One

Chapter 2: The Second Dimension

Chapter 3: Three-Dimensional Space

Chapter 4: A Fourth Dimension of Space

Chapter 5: Tesseract and Hypercubes

Chapter 6: Hypercube Patterns

Chapter 7: Planes and Hyperplanes

Chapter 8: Tesseracts in Perspective

Chapter 9: Rotations in 4D Space

Chapter 10: Unfolding a Tesseract

Chapter 11: Cross Sections of a Tesseract

Chapter 12: Living in a 4D House

Further Reading

Glossary

About the Author

Put on your spacesuit, strap on your safety harness, swallow your anti-nausea medicine, and enjoy this journey into a fourth dimension of space! 10D, 9D, 8D, 7D, 6D, 5D, 4D, 3D, 2D, 1D, 0D. Blast off!

Book Information

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Customer Reviews

I've got interested in the fourth dimension, so I was looking for some book that could explained in an easy way for a none mathematician and I've found this book. I certainly recommend this book if you're looking to learn more about the fourth dimension. One thing, and perhaps the most important for me, that I learned was to think outside the tesseract.

This book is very easy to understand. It breaks down the fourth dimension into plain language and includes some jokes and humor.

Great book for those studying and understanding four dimensional thinking and reality. Easy to digest and nicely illustrated packing great information.

I'm not a math guy, but I do find the concepts in this book fascinating. McMullen did a **fantastic** job of explaining complex concepts like I'm five (which is a great thing!!). He obviously had a lot of joy writing it, and that's apparent in every word and sentence. The single drawback, the one thing that knocks this two stars down, is that he had **too** much fun. Way too many jokes that run way too long. Every other sentence is talking about monkeys (McMullen uses monkeys as his widget, so to speak). I found it frustrating that I'd have to skip entire paragraphs to get to the actual point that he's trying to make. Here's an example from the start of chapter 5: "Imagine a point located at the origin. Only instead of a point let's call it a 0[Dimensional] banana. Just in case you're sick of monkeys, a banana might be a nice change of pace. If also contemplation of the 4th dimension happens to drive you bananas, it will be quite fitting. (Read this book at your own risk. The author is not liable for any readers who go bananas after thinking about the fourth dimension.)" This is sort of thing is constant, frustrating, distracting, and does not contribute to my understanding of the subject matter. I'd loosely estimate that for every 3 given paragraphs, one is **completely** unnecessary. Further more, because it's distracting and frustrating, it also makes the rest of the writing confusing because I have to consciously disregard the jokes to try and glean the point McMullen is trying to make. It's a lot like getting a word problem in elementary school math, where you have to choose which information to ignore and which information is actually important to solve the question. When you combine this with mid-sentence interjections about monkeys, bananas, apples, whatever, it gets even more bothersome. I loved the knowledge in this book. The book was only 83 pages of content (subtracting

About the Author, Recommended Reading, Glossary, etc). I just find myself wishing that it was about 45 pages- not because it was too complex, but because I wish all the extra, distracting stuff, was removed.

Interesting theoretical read.

great source for more knowledge on the concept of 4d. highly recommend to all people who love geometry. recommends other great books

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