



A Topological Picturebook

George K. Francis

Download now

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

A Topological Picturebook

George K. Francis

A Topological Picturebook George K. Francis

Praise for George Francis's ***A Topological Picturebook***:

Bravo to Springer for reissuing this unique and beautiful book! It not only reminds the older generation of the pleasures of doing mathematics by hand, but also shows the new generation what ``hands on'' really means.

- John Stillwell, University of San Francisco

The Topological Picturebook has taught a whole generation of mathematicians to draw, to see, and to think.

- Tony Robbin, artist and author of ***Shadows of Reality: The Fourth Dimension in Relativity, Cubism, and Modern Thought***

The classic reference for how to present topological information visually, full of amazing hand-drawn pictures of complicated surfaces.

- John Sullivan, Technische Universität Berlin

A Topological Picturebook lets students see topology as the original discoverers conceived it: concrete and visual, free of the formalism that burdens conventional textbooks.

- Jeffrey Weeks, author of ***The Shape of Space***

A Topological Picturebook is a visual feast for anyone concerned with mathematical images. Francis provides exquisite examples to build one's "visualization muscles". At the same time, he explains the underlying principles and design techniques for readers to create their own lucid drawings.

- George W. Hart, Stony Brook University

In this collection of narrative gems and intriguing hand-drawn pictures, George Francis demonstrates the chicken-and-egg relationship, in mathematics, of image and text. Since the book was first published, the case for pictures in mathematics has been won, and now it is time to reflect on their meaning. ***A Topological Picturebook*** remains indispensable.

- Marjorie Senechal, Smith College and co-editor of the Mathematical Intelligencer

 [Download A Topological Picturebook ...pdf](#)

 [Read Online A Topological Picturebook ...pdf](#)

Download and Read Free Online A Topological Picturebook George K. Francis

From reader reviews:

Debbie Jackson:

In this 21st hundred years, people become competitive in most way. By being competitive at this point, people have do something to make all of them survives, being in the middle of the particular crowded place and notice by means of surrounding. One thing that occasionally many people have underestimated that for a while is reading. Yes, by reading a e-book your ability to survive improve then having chance to stay than other is high. For you who want to start reading a book, we give you this A Topological Picturebook book as starter and daily reading guide. Why, because this book is usually more than just a book.

Richard Strohm:

This A Topological Picturebook usually are reliable for you who want to be described as a successful person, why. The reason of this A Topological Picturebook can be one of many great books you must have is usually giving you more than just simple reading food but feed an individual with information that probably will shock your prior knowledge. This book is actually handy, you can bring it almost everywhere and whenever your conditions at e-book and printed versions. Beside that this A Topological Picturebook giving you an enormous of experience including rich vocabulary, giving you test of critical thinking that we understand it useful in your day task. So , let's have it appreciate reading.

Vickie Duke:

A lot of people always spent their very own free time to vacation as well as go to the outside with them family members or their friend. Do you know? Many a lot of people spent they will free time just watching TV, or maybe playing video games all day long. If you want to try to find a new activity here is look different you can read a book. It is really fun in your case. If you enjoy the book which you read you can spent the entire day to reading a reserve. The book A Topological Picturebook it is quite good to read. There are a lot of folks that recommended this book. We were holding enjoying reading this book. Should you did not have enough space to create this book you can buy typically the e-book. You can more quickly to read this book through your smart phone. The price is not too costly but this book provides high quality.

Robert McCauley:

Reading can called imagination hangout, why? Because if you are reading a book specifically book entitled A Topological Picturebook your head will drift away trough every dimension, wandering in each and every aspect that maybe mysterious for but surely will end up your mind friends. Imaging every word written in a guide then become one web form conclusion and explanation in which maybe you never get ahead of. The A Topological Picturebook giving you one more experience more than blown away the mind but also giving you useful data for your better life in this particular era. So now let us present to you the relaxing pattern here is your body and mind will be pleased when you are finished examining it, like winning a game. Do you want to try this extraordinary spending spare time activity?

Download and Read Online A Topological Picturebook George K. Francis #Z375KOLCGS6

Read A Topological Picturebook by George K. Francis for online ebook

A Topological Picturebook by George K. Francis 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 Topological Picturebook by George K. Francis books to read online.

Online A Topological Picturebook by George K. Francis ebook PDF download

A Topological Picturebook by George K. Francis Doc

A Topological Picturebook by George K. Francis Mobipocket

A Topological Picturebook by George K. Francis EPub