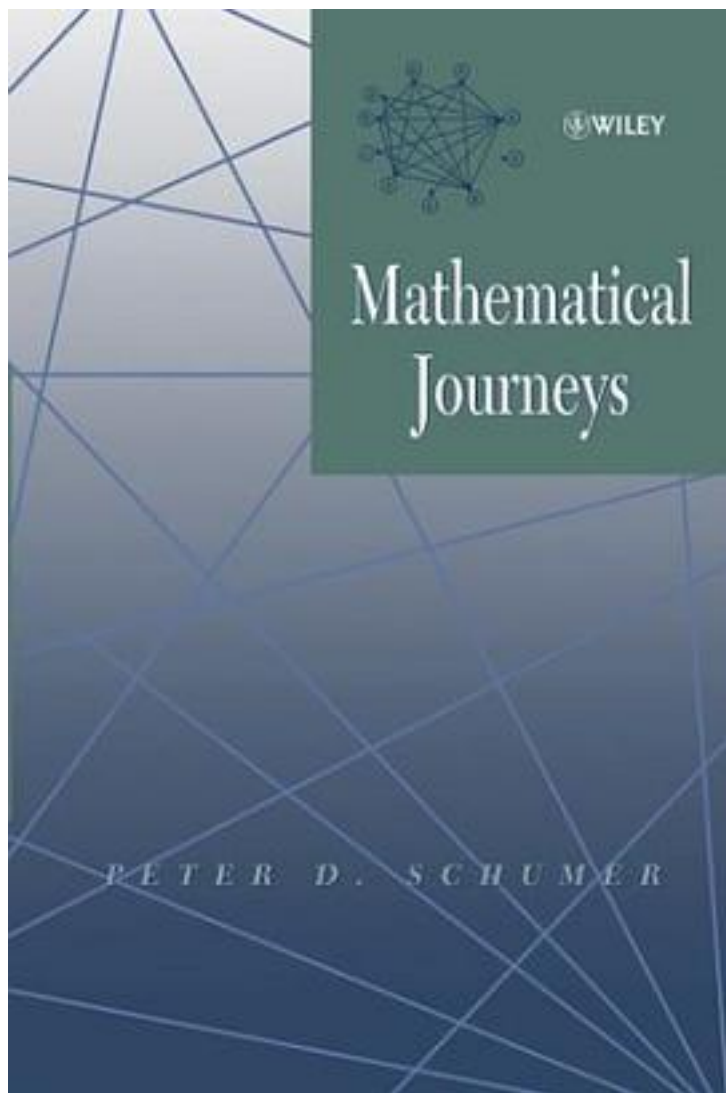


# Mathematical Journeys



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## Review

"This is such a fount of fascinating knowledge and problems that all professors and teachers who want to motivate and challenge their talented students should consult it." (Choice, June 2004, Vol. 41 No. 10)

## Product Description

A colorful tour through the intriguing world of mathematics

The world of modern mathematics abounds with fascinating, unusual ideas—ideas and concepts even seasoned mathematicians often wonder about. Mathematical Journeys takes you on a grand tour of the best of modern math—its most elegant solutions, most clever discoveries, most mind-bending propositions, and most impressive personalities.

Writing with a light touch while showing the real mathematics, author Peter Schumer introduces you to the history of mathematics, number theory, combinatorics, geometry, graph theory, and "recreational mathematics." Requiring only high school math and a healthy curiosity, Mathematical Journeys helps you explore all those aspects of math that mathematicians themselves find most delightful. You'll discover brilliant, sometimes quirky and humorous tidbits like how to compute the digits of pi, the Josephus problem, mathematical amusements such as Nim and Wythoff's game, pizza slicing, and clever twists on rolling dice. For a glimpse of the minds that gave birth to the math, read the profiles of such great thinkers as Paul Erdős and Leonhard Euler.

Each chapter of the book focuses on some interesting piece of mathematics, giving the history and requisite math background, the solution of a problem or two, and some indication of natural generalizations and related areas of study. Whether you're a math novice curious to learn what your calculus class left out or a math lover ready for the green chicken contest (What's that? Read the book!), Mathematical Journeys will give you a true taste of what mathematicians themselves find most exciting about math.

作者介绍:

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