

Mathematics



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This book is an introduction to mathematics--in particular, it is an introduction to discrete mathematics. There are two primary goals for this book: students will learn to reading and writing proofs, and students will learn the fundamental concepts of discrete mathematics.

Master the fundamentals of discrete mathematics and proof-writing with MATHEMATICS: A DISCRETE INTRODUCTION! With a clear presentation, the mathematics text teaches you not only how to write proofs, but how to think clearly and present cases logically beyond this course. Though it is presented from a mathematician's perspective, you will learn the importance of discrete mathematics in the fields of computer science, engineering, probability, statistics, operations research, and other areas of applied mathematics. Tools such hints and proof templates prepare you to succeed in this course.

作者介绍:

Edward R. Scheinerman is an American mathematician, specializing in graph theory.

He is a professor of applied mathematics, statistics, and computer science at Johns Hopkins University. His contributions to mathematics include Scheinerman's conjecture, now proven, stating that every planar graph may be represented as an intersection graph of line segments.

Scheinerman did his undergraduate studies at Brown University, graduating in 1980, and earned his Ph.D. in 1984 from Princeton University under the supervision of Douglas B. West. He joined the Johns Hopkins faculty in 1984, and since 2000 he has been an administrator there, serving as department chair, associate dean, and (since 2008) vice dean for education.

He is a two-time winner of the Mathematical Association of America's Lester R. Ford Award for expository writing, in 1991 for his paper "Random intervals" with Joyce Justicz and Peter Winkler, and in 2001 for his paper "When Close is Close Enough". In 1992 he became a fellow of the Institute of Combinatorics and its Applications, and in 2012 he became a fellow of the American Mathematical Society.

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