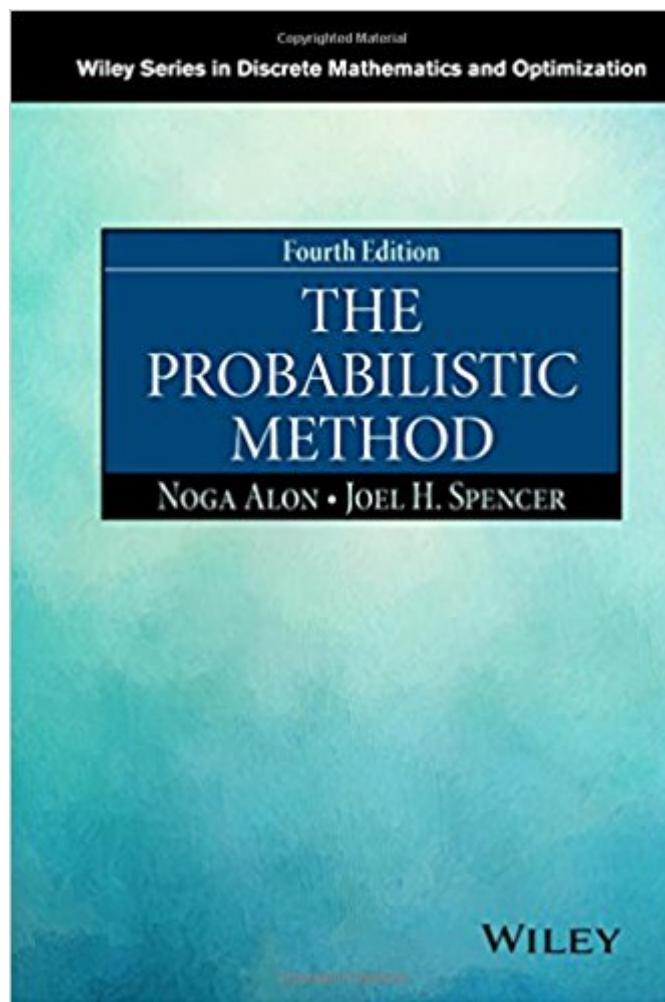


The book was found

The Probabilistic Method (Wiley Series In Discrete Mathematics And Optimization)



Synopsis

Praise for the Third Edition âœResearchers of any kind of extremal combinatorics or theoretical computer science will welcome the new edition of this book.â • - MAA Reviews Maintaining a standard of excellence that establishes The Probabilistic Method as the leading reference on probabilistic methods in combinatorics, the Fourth Edition continues to feature a clear writing style, illustrative examples, and illuminating exercises. The new edition includes numerous updates to reflect the most recent developments and advances in discrete mathematics and the connections to other areas in mathematics, theoretical computer science, and statistical physics. Emphasizing the methodology and techniques that enable problem-solving, The Probabilistic Method, Fourth Edition begins with a description of tools applied to probabilistic arguments, including basic techniques that use expectation and variance as well as the more advanced applications of martingales and correlation inequalities. The authors explore where probabilistic techniques have been applied successfully and also examine topical coverage such as discrepancy and random graphs, circuit complexity, computational geometry, and derandomization of randomized algorithms. Written by two well-known authorities in the field, the Fourth Edition features: Additional exercises throughout with hints and solutions to select problems in an appendix to help readers obtain a deeper understanding of the best methods and techniques New coverage on topics such as the Local Lemma, Six Standard Deviations result in Discrepancy Theory, Property B, and graph limits Updated sections to reflect major developments on the newest topics, discussions of the hypergraph container method, and many new references and improved results The Probabilistic Method, Fourth Edition is an ideal textbook for upper-undergraduate and graduate-level students majoring in mathematics, computer science, operations research, and statistics. The Fourth Edition is also an excellent reference for researchers and combinatorists who use probabilistic methods, discrete mathematics, and number theory. Noga Alon, PhD, is Baumritter Professor of Mathematics and Computer Science at Tel Aviv University. He is a member of the Israel National Academy of Sciences and Academia Europaea. A coeditor of the journal *Random Structures and Algorithms*, Dr. Alon is the recipient of the Polya Prize, The GÃ¶del Prize, The Israel Prize, and the EMET Prize. Joel H. Spencer, PhD, is Professor of Mathematics and Computer Science at the Courant Institute of New York University. He is the cofounder and coeditor of the journal *Random Structures and Algorithms* and is a Sloane Foundation Fellow. Dr. Spencer has written more than 200 published articles and is the coauthor of *Ramsey Theory, Second Edition*, also published by Wiley.

Book Information

Series: Wiley Series in Discrete Mathematics and Optimization

Hardcover: 400 pages

Publisher: Wiley; 4 edition (January 26, 2016)

Language: English

ISBN-10: 1119061954

ISBN-13: 978-1119061953

Product Dimensions: 6.4 x 1 x 9.5 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #414,725 in Books (See Top 100 in Books) #153 in Books > Science & Math > Mathematics > Pure Mathematics > Discrete Mathematics #3869 in Books > Textbooks > Science & Mathematics > Mathematics #16178 in Books > Computers & Technology

[Download to continue reading...](#)

The Probabilistic Method (Wiley Series in Discrete Mathematics and Optimization) Probability on Trees and Networks (Cambridge Series in Statistical and Probabilistic Mathematics) A User's Guide to Measure Theoretic Probability (Cambridge Series in Statistical and Probabilistic Mathematics) Stochastic Processes (Cambridge Series in Statistical and Probabilistic Mathematics) Introduction to Logistics Systems Planning and Control (Wiley Interscience Series in Systems and Optimization) Essentials Of Discrete Mathematics (Jones and Bartlett Publishers Series in Mathematics) A First Course in Discrete Mathematics (Springer Undergraduate Mathematics Series) Discrete Mathematics: Elementary and Beyond (Undergraduate Texts in Mathematics) The Wiley-Blackwell Companion to Zoroastrianism (Wiley Blackwell Companions to Religion) Extended Finite Element Method: Theory and Applications (Wiley Series in Computational Mechanics) The Cross-Entropy Method: A Unified Approach to Combinatorial Optimization, Monte-Carlo Simulation and Machine Learning (Information Science and Statistics) Fireworks Algorithm: A Novel Swarm Intelligence Optimization Method Probabilistic Robotics (Intelligent Robotics and Autonomous Agents series) Randomization Methods in Algorithm Design: Dimacs Workshop, December 12-14, 1997 (Dimacs Series in Discrete Mathematics and Theoretical Computer Science) Robust Optimization (Princeton Series in Applied Mathematics) Probabilistic Modelling in Bioinformatics and Medical Informatics Bayesian Methods for Hackers: Probabilistic Programming and Bayesian Inference (Addison-Wesley Data & Analytics) Probabilistic Structural Mechanics Handbook: Theory and Industrial Applications Fibonacci and Lucas Numbers with Applications, Volume One (Pure and Applied Mathematics: A Wiley Series of Texts, Monographs and Tracts) Discrete Mathematics:

Mathematical Reasoning and Proof with Puzzles, Patterns, and Games

[Dmca](#)