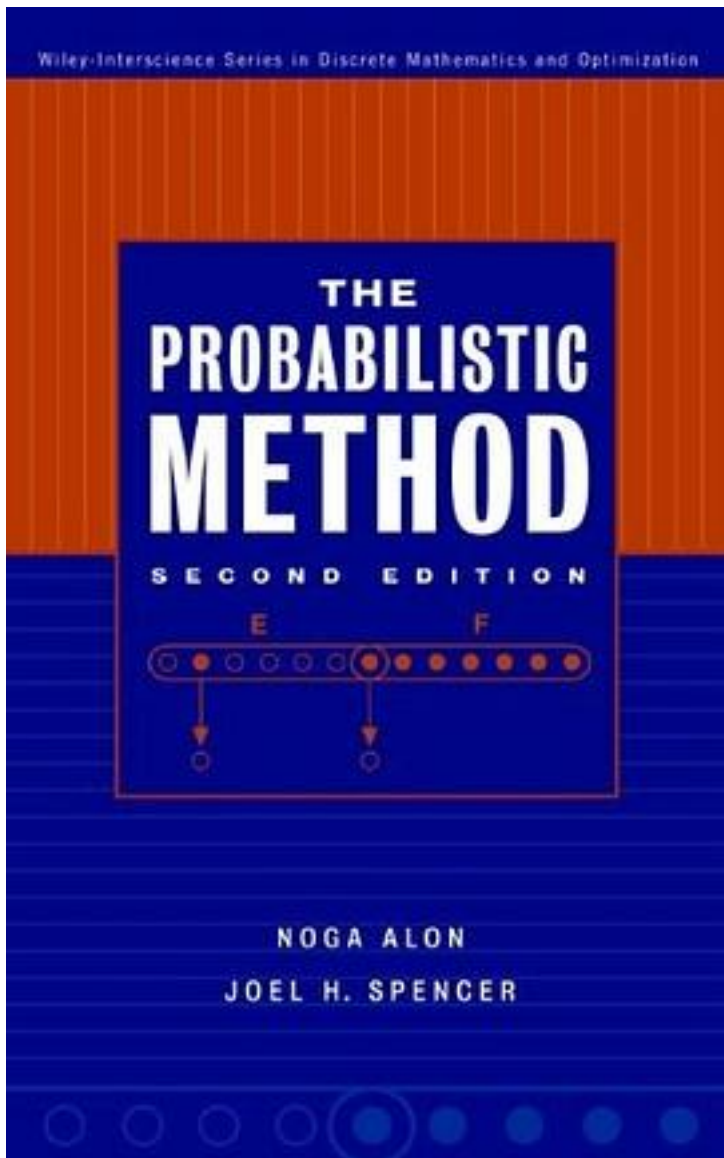


The Probabilistic Method Second Edition



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著者:Noga Alon

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The leading reference on probabilistic methods in combinatorics-now expanded and updated

When it was first published in 1991, *The Probabilistic Method* became instantly the standard reference on one of the most powerful and widely used tools in combinatorics. Still without competition nearly a decade later, this new edition brings you up to speed on recent developments, while adding useful exercises and over 30 new material. It continues to emphasize the basic elements of the methodology, discussing in a remarkably clear and informal style both algorithmic and classical methods as well as modern applications.

The Probabilistic Method, Second Edition begins with basic techniques that use expectation and variance, as well as the more recent martingales and correlation inequalities, then explores areas where probabilistic techniques proved successful, including discrepancy and random graphs as well as cutting-edge topics in theoretical computer science. A series of proofs, or "probabilistic lenses," are interspersed throughout the book, offering added insight into the application of the probabilistic approach. New and revised coverage includes:

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作者介绍:

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 Gödel Prize, The Israel Prize, and the EMET Prize.

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书评

Probabilistic Method——“概率方法”，看名字会以为是关于概率论，实则关于组合数学。是用概率的方法来证明特定组合结构的存在性。

这乍一听似乎有点玄。概率起源于对随机事件的刻画，可是组合对象的存在性却是个确定的数学真相——真相只有一个（对于有穷结构而言），这都...

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