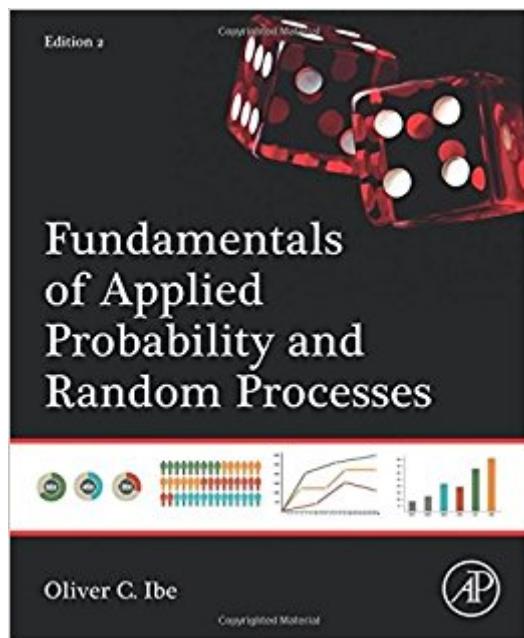


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# Fundamentals Of Applied Probability And Random Processes, Second Edition



## Synopsis

The long-awaited revision of Fundamentals of Applied Probability and Random Processes expands on the central components that made the first edition a classic. The title is based on the premise that engineers use probability as a modeling tool, and that probability can be applied to the solution of engineering problems. Engineers and students studying probability and random processes also need to analyze data, and thus need some knowledge of statistics. This book is designed to provide students with a thorough grounding in probability and stochastic processes, demonstrate their applicability to real-world problems, and introduce the basics of statistics. The book's clear writing style and homework problems make it ideal for the classroom or for self-study. Demonstrates concepts with more than 100 illustrations, including 2 dozen new drawingsExpands readers' understanding of disruptive statistics in a new chapter (chapter 8) Provides new chapter on Introduction to Random Processes with 14 new illustrations and tables explaining key concepts.Includes two chapters devoted to the two branches of statistics, namely descriptive statistics (chapter 8) and inferential (or inductive) statistics (chapter 9).

## Book Information

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"...addressed to electrical engineers, but may be considered almost equally well by other professionals and students looking for a suitable self-contained introduction to probability suitable for self-study." --Zentralblatt MATH

A solid foundation in probability and a required course for many areas of study, including physical sciences, engineering, social sciences, business, and finance. The long-awaited second edition of Fundamentals of Applied Probability and Random Processes expands on the central components that made the first edition a classic. This book is based on the premise that engineers use probability as a modeling tool and that probability can be applied to solving engineering problems. Engineers and students studying probability and random processes also need to analyze data and thus need some knowledge of statistics. This book is designed to provide students with a thorough grounding in probability and stochastic processes, demonstrate their applicability to real-world problems, and introduce the basics of statistics. The clear writing style and homework problems included make this book ideal for the classroom or for self-study. Key Features Demonstrates concepts with more than 100 illustrations, including two dozen new drawingsExpands readers' understanding of disruptive statistics in a new chapter (Chapter 8)Provides a new chapter "Introduction to Random Processes" with 14 new illustrations and tables explaining key conceptsIncludes two chapters devoted to the two branches of statistics, namely, descriptive statistics and inferential statistics

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