Probability, Statistics, and Random Processes for Electrical Engineering



Alberto Leon-Gard

(國際版為另一封面)

基本資料

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Probability, Statistics, and Random Process for Electrical Engineering 3/E (PIE) 電機工程的機率、統計與隨機處理(第三版)(國際版) Alberto Leon-Garcia

簡介

This textbook offers an interesting, straightforward introduction to probability and random processes. While helping students to develop their problem-solving skills, the book enables them to understand how to make the transition from real problems to probability models for those problems. To keep students motivated, the author uses a number of practical applications from various areas of electrical and computer engineering.

特色

Chapter overviews: brief introduction outlining chapter coverage and learning objectives.

Chapter summaries: concise, easy-reference sections providing quick overviews of each chapter's major topics.

Annotated references: suggestions of timely resources for additional coverage of critical material.

Numerous examples: a wide selection of fully worked-out real-world examples.

Computer Methods sections have been updated and substantially enhanced.

目次

- 1. Probability Models in Electrical and Computer Engineering
- 2. Basic Concepts of Probability Theory
- 3. Discrete Random Variables
- 4. One Random Variable
- 5. Pairs of Random Variables
- 6. Vector Random Variables
- Sums of Random Variables and Long-Term Averages
- 8. Statistics
- 9. Random Processes

- 10. Analysis and Processing of Random Signals
- 11. Markov Chains
- 12. Introduction to Queueing Theory
- Appendix A. Mathematical Tables
- Appendix B. Tables of Fourier

Transformation

Appendix C. Computer Programs for Generating Random Variables

Index