

Contents

General Preface	1
Preface of the first edition 2018	3
Introduction	5
Chapter 1. Elements of Combinatorics	11
Chapter 2. Introduction to Probability Measures	27
Chapter 3. Conditional Probability and Independence	37
Chapter 4. Random Variables	53
Chapter 5. Real-valued Random Variable Parameters	71
Chapter 6. Random pairs	105
Chapter 7. Continuous Random Variables	135
Chapter 8. Appendix : Elements of Calculus	169
1. What should not be ignored on limits in \mathbb{R}	169
2. Convex functions	183
3. Discrete monotone and dominated convergence theorems	191
4. Proof of Sterling Formula	198
Bibliography	207
Alphabetical Index	209