Probability and Random Processes

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Wiley-Interscience, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. Chapter 1: Sets, Fields, and Events. 1.1 Set Definitions. 1.2 Set Operations. 1.3 Set Algebras, Fields, and Events. Chapter 2: Probability Space and Axioms. 2.1 Probability Space. 2.2 Conditional Probability. 2.3 Independence. 2.4 Total Probability and Bayes' Theorem. Chapter 3: Basic Combinatorics. 3.1 Basic Counting Principles. 3.2 Permutations. 3.3 Combinations. Chapter 4: Discrete Distributions. 4.1 Bernoulli Trials. 4.2 Binomial Distribution. 4.3 Multinomial Distribution. 4.4 Geometric Distribution. 4.5 Negative Binomial Distribution. 4.6 Hypergeometric Distribution. 4.7 Poisson Distribution. 4.8 Logarithmic Distribution. 4.9 Summary of Discrete Distributions. Chapter 5: Random Variables. 5.1 Definition of Random Variables. 5.2 Determination of Distribution and Density Functions. 5.3 Properties of Distribution and Density Functions. 5.4 Distribution Functions from Density Functions. Chapter 6: Continuous Random Variables and Basic Distributions. 6.1 Introduction. 6.2 Uniform Distribution. 6.3 Exponential Distribution. 6.4 Normal or Gaussian Distribution. Chapter 7: Other Continuous Distributions. 7.1 Introduction. 7.2 Triangular Distribution. 7.3 Laplace Distribution. 7.4 Erlang Distribution. 7.5 Gamma Distribution. 7.6 Weibull Distribution. 7.7 Chi-Square Distribution. 7.8 Chi and Other Allied Distributions. 7.9 Student-t Density. 7.10 Snedecor F Distribution. 7.11 Lognormal Distribution. 7.12 Beta Distribution. 7.13 Cauchy Distribution. 7.14 Pareto...

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