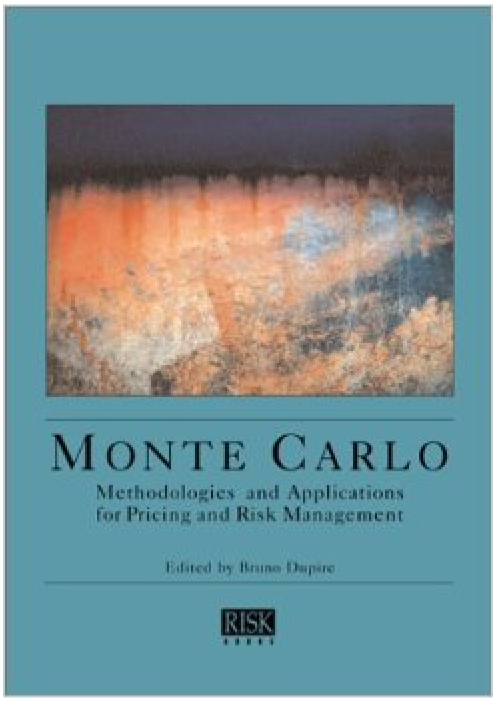
Monte Carlo Methodologies And Applications For Pricing And Risk Management



Synopsis

This work is a useful reference book of classic research and new writing on the methodologies and applications of Monte Carlo simulation. It sets out to provide a unique route map, and is selected and introduced by leading practitioner and theoretician, Bruno Dupire. Topics include: dimension reduction and other ways of speeding Monte Carlo simulation; strata gems; Greeks in Monte Carlo; Monte Carlo simulation of options on joint minima and maxima; model calibration in the Monte Carlo framework; and numerical valuation of high-dimensional multivariate American securities.

Book Information

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Customer Reviews

This is a book along the lines of a Fabozzi text, where the editor - Bruno Dupire - at the behest of Risk Publications runs through the best articles written by practicioners on a topic of extreme importance to model developers, MBS/CMO/ABS quants, and other financial engineers who are interest in exploring numerical integration methods through simulation. I’ve read most of the books out there on MCS and this one is one of the best. I particularly enjoy the practical analyses presented, the benchmarking, the references, and the formulas. Well done.

Monte Carlo Methodologies and Applications for Pricing and Risk Management Case Studies in Certified Quantitative Risk Management (CQRM): Applying Monte Carlo Risk Simulation, Strategic Real Options, Stochastic Forecasting, ... Business Intelligence, and Decision Modeling Making Monte Carlo: A History of Speculation and Spectacle Monte Carlo Methods in Financial Engineering

(Stochastic Modelling and Applied Probability) (v. 53) Building Winning Algorithmic Trading Systems, + Website: A Trader's Journey From Data Mining to Monte Carlo Simulation to Live Trading (Wiley Trading) Performance Management: Integrating Strategy Execution, Methodologies, Risk, and Analytics Financial Risk Management: Applications in Market, Credit, Asset and Liability Management and Firmwide Risk (Wiley Finance) Applied System Simulation: Methodologies and Applications Bank Valuation and Value-Based Management: Deposit and Loan Pricing, Performance Evaluation, and Risk Management (McGraw-Hill Finance & Investing) The Feeling of Risk: New Perspectives on Risk Perception (Earthscan Risk in Society) Fundamentals of Risk Management: Understanding, Evaluating and Implementing Effective Risk Management Enterprise Risk Management (Financial Engineering and Risk Management) Security Risk Management: Building an Information Security Risk Management Program from the Ground Up Making Enterprise Risk Management Pay Off: How Leading Companies Implement Risk Management Lean Production for Competitive Advantage: A Comprehensive Guide to Lean Methodologies and Management Practices Energy and Power Risk Management: New Developments in Modeling, Pricing, and Hedging Life Settlements and Longevity Structures: Pricing and Risk Management Credit Risk: Pricing, Measurement, and Management (Princeton Series in Finance) Introduction to the Mathematics of Finance: From Risk Management to Options Pricing (Undergraduate Texts in Mathematics) Revenue Management and Pricing: Case Studies and Applications