

<<实用金融期权估值导论>>

图书基本信息

书名：<<实用金融期权估值导论>>

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前言

The aim of this book is to present a lively and palatable introduction to financial option valuation for undergraduate students in mathematics, statistics and related areas. Prerequisites have been kept to a minimum. The reader is assumed to have a basic competence in calculus up to the level reached by a typical first year mathematics programme. No background in probability, statistics or numerical analysis is required, although some previous exposure to material in these areas would undoubtedly make the text easier to assimilate on first reading. The contents are presented in the form of short chapters, each of which could reasonably be covered in a one hour teaching session. The book grew out of a final year undergraduate class called The Mathematics of Financial Derivatives that I have taught, in collaboration with Professor Xuerong Mao, at the University of Strathclyde. The class is aimed at students taking honours degrees in Mathematics or Statistics, or joint honours degrees in various combinations of Mathematics, Statistics, Economics, Business, Accounting, Computer Science and Physics. In my view, such a class has two great selling points. From a student perspective, the topic is generally perceived as modern, sexy and likely to impress potential employers. From the perspective of a university teacher, the topic provides a focus for ideas from mathematical modelling, analysis, stochastics and numerical analysis.

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内容概要

《实用金融期权估值导论(英文版)》是金融期权评估的入门书，讲述隐藏在期权评估背后的数学、随机指数和计算算法。

《实用金融期权估值导论(英文版)》文字生动流畅、图表丰富，每章末都有难度不同的习题，还提供了习题答案，非常适合初学者自学。

《实用金融期权估值导论(英文版)》可用作应用数学、金融、保险、管理等专业本科生或研究生的教材，也可供有关领域的研究人员和工作人员参考。

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作者简介

作者：(英国) 海厄姆 (Higham.D.J.) Desmond J.Higham，英国Strathclyde大学数学系教授，SIAM会士、爱丁堡数学会会士、伦敦数学会会士。

主要研究数值分析和随机计算，包括随机计算在数理金融中的应用。

Higham是很多期刊的编委，如SLAM Journal on Scientific Computing、the IMA Journal of Numerical Analysis和the Journal of Computational Finance等。

另有著作Learning LaTeX和Matlab Guide。

<<实用金融期权估值导论>>

书籍目录

1 Options
 1.1 What are options?
 1.2 Why do we study options?
 1.3 How are options traded?
 1.4 Typical option prices
 1.5 Other financial derivatives
 1.6 Notes and references
 1.7 Program of Chapter 1 and walkthrough
 2 Option valuation preliminaries
 2.1 Motivation
 2.2 Interest rates
 2.3 Short selling
 2.4 Arbitrage
 2.5 Put-call parity
 2.6 Upper and lower bounds on option values
 2.7 Notes and references
 2.8 Program of Chapter 2 and walkthrough
 3 Random variables
 3.1 Motivation
 3.2 Random variables, probability and mean
 3.3 Independence
 3.4 Variance
 3.5 Normal distribution
 3.6 Central Limit Theorem
 3.7 Notes and references
 3.8 Program of Chapter 3 and walkthrough
 4 Computer simulation
 4.1 Motivation
 4.2 Pseudo-random numbers
 4.3 Statistical tests
 4.4 Notes and references
 4.5 Program of Chapter 4 and walkthrough
 5 Asset price movement
 5.1 Motivation
 5.2 Efficient market hypothesis
 5.3 Asset price data
 5.4 Assumptions
 5.5 Notes and references
 5.6 Program of Chapter 5 and walkthrough
 6 Asset price model: Part I
 6.1 Motivation
 6.2 Discrete asset model
 6.3 Continuous asset model
 6.4 Lognormal distribution
 6.5 Features of the asset model
 6.6 Notes and references
 6.7 Program of Chapter 6 and walkthrough
 7 Asset price model: Part II
 7.1 Computing asset paths
 7.2 Timescale invariance
 7.3 Sum-of-square returns
 7.4 Notes and references
 7.5 Program of Chapter 7 and walkthrough
 8 Black-Scholes PDE and formulas
 8.1 Motivation
 8.2 Sum-of-square increments for asset price
 8.3 Hedging
 8.4 Black-Scholes PDE
 8.5 Black-Scholes formulas
 8.6 Notes and references
 8.7 Program of Chapter 8 and walkthrough
 9 More on hedging
 9.1 Motivation
 9.2 Discrete hedging
 9.3 Delta at expiry
 9.4 Large-scale test
 9.5 Long-Term Capital Management
 9.6 Notes
 9.7 Program of Chapter 9 and walkthrough
 10 The Greeks
 10.1 Motivation
 10.2 The Greeks
 10.3 Interpreting the Greeks
 10.4 Black-Scholes PDE solution
 10.5 Notes and references
 10.6 Program of Chapter 10 and walkthrough
 11 More on the Black-Scholes formulas
 11.1 Motivation
 11.2 Where is μ ?
 11.3 Time dependency
 11.4 The big picture
 11.5 Change of variables
 11.6 Notes and references
 11.7 Program of Chapter 11 and walkthrough
 12 Risk neutrality
 12.1 Motivation
 12.2 Expected payoff
 12.3 Risk neutrality
 12.4 Notes and references
 12.5 Program of Chapter 12 and walkthrough
 13 Solving a nonlinear equation
 13.1 Motivation
 13.2 General problem
 13.3 Bisection
 13.4 Newton
 13.5 Further practical issues
 13.6 Notes and references
 13.7 Program of Chapter 13 and walkthrough
 14 Implied volatility
 14.1 Motivation
 14.2 Implied volatility
 14.3 Option value as a function of volatility
 14.4 Bisection and Newton
 14.5 Implied volatility with real data
 14.6 Notes and references
 14.7 Program of Chapter 14 and walkthrough
 15 Monte Carlo method
 15.1 Motivation
 15.2 Monte Carlo
 15.3 Monte Carlo for option valuation
 15.4 Monte Carlo for Greeks
 15.5 Notes and references
 15.6 Program of Chapter 15 and walkthrough
 16 Binomial method
 16.1 Motivation
 16.2 Method
 16.3 Deriving the parameters
 16.4 Binomial method in practice
 16.5 Notes and references
 16.6 Program of Chapter 16 and walkthrough
 17 Cash-or-nothing options
 17.1 Motivation
 17.2 Cash-or-nothing options
 17.3 Black-Scholes for cash-or-nothing options
 17.4 Delta behaviour
 17.5 Risk neutrality for cash-or-nothing options
 17.6 Notes and references
 17.7 Program of Chapter 17 and walkthrough
 18 American options
 18.1 Motivation
 18.2 American call and put
 18.3 Black-Scholes for American options
 18.4 Binomial method for an American put
 18.5 Optimal exercise boundary
 18.6 Monte Carlo for an American put
 18.7 Notes and references
 18.8 Program of Chapter 18 and walkthrough
 19 Exotic options
 19.1 Motivation
 19.2 Barrier options
 19.3 Lookback options
 19.4 Asian options
 19.5 Bermudan and shout options
 19.6 Monte Carlo and binomial for exotics
 19.7 Notes and references
 19.8 Program of Chapter 19 and walkthrough
 20 Historical volatility
 20.1 Motivation
 20.2 Monte Carlo-type estimates
 20.3 Accuracy of the sample variance estimate
 20.4 Maximum likelihood estimate
 20.5 Other volatility estimates
 20.6 Example with real data
 20.7 Notes and references
 20.8 Program of Chapter 20 and walkthrough
 21 Monte Carlo Part II: variance reduction by antithetic variates
 21.1 Motivation
 21.2 The big picture
 21.3 Dependence
 21.4 Antithetic variates: uniform example
 21.5 Analysis of the uniform case
 21.6 Normal case
 21.7 Multivariate case
 21.8 Antithetic variates in option valuation
 21.9 Notes and references
 21.10 Program of Chapter 21 and walkthrough
 22 Monte Carlo Part III: variance reduction by control variates
 22.1 Motivation
 22.2 Control variates
 22.3 Control variates in option valuation
 22.4 Notes and references
 22.5 Program of Chapter 22 and walkthrough
 23 Finite difference methods
 23.1 Motivation
 23.2 Finite difference operators
 23.3 Heat equation
 23.4 Discretization
 23.5 FTCS and BTCS
 23.6 Local accuracy
 23.7 Von Neumann

<<实用金融期权估值导论>>

stability and convergence23.8 Crank-Nicolson23.9 Notes and references23.10 Program of Chapter 23 and walkthrough24 Finite difference methods for the Black-Scholes PDE24.1 Motivation24.2 FTCS, BTCS and Crank-Nicolson for Black-Scholes24.3 Down-and-out call example24.4 Binomial method as finite differences24.5 Notes and references24.6 Program of Chapter 24 and walkthroughReferencesIndex

<<实用金融期权估值导论>>

章节摘录

插图：

<<实用金融期权估值导论>>

编辑推荐

《实用金融期权估值导论(英文版)》借助Matlab阐述了期权定价理论的入门知识，讲述隐藏在期权评估背后的数学、随机指数和计算算法。

仔细推导了基本的资产价格模型和Black-Scholes公式，并阐述了相关的计算技术，包括二项式、有限差分、Monte Carlo方法的方差缩减技术。

生动流畅的文字、丰富的图表、大量的示例以及基于实际证券市场数据的计算，使得这《实用金融期权估值导论(英文版)》非常实用，深受好评。

《实用金融期权估值导论(英文版)》自成体系，只需要具有微积分知识背景就可阅读，不需要概率、统计或数值分析的基础。

每章末都给出了Matlab例程及练习题，便于读者学习体会。

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