Introduction to Mathematical Finance: Discrete Time Models

By Stanley R. Pliska

Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska

The purpose of this book is to provide a rigorous yet accessible introduction to the modern financial theory of security markets. The main subjects are derivatives and portfolio management. The book is intended to be used as a text by advanced undergraduates and beginning graduate students. It is also likely to be useful to practicing financial engineers, portfolio manager, and actuaries who wish to acquire a fundamental understanding of financial theory. The book makes heavy use of mathematics, but not at an advanced level. Various mathematical concepts are developed as needed, and computational examples are emphasized.

⬇ **Download** Introduction to Mathematical Finance: Discrete Tim ...pdf

📄 **Read Online** Introduction to Mathematical Finance: Discrete T ...pdf

Introduction to Mathematical Finance: Discrete Time Models

By Stanley R. Pliska

Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska

The purpose of this book is to provide a rigorous yet accessible introduction to the modern financial theory of security markets. The main subjects are derivatives and portfolio management. The book is intended to be used as a text by advanced undergraduates and beginning graduate students. It is also likely to be useful to practicing financial engineers, portfolio manager, and actuaries who wish to acquire a fundamental understanding of financial theory. The book makes heavy use of mathematics, but not at an advanced level. Various mathematical concepts are developed as needed, and computational examples are emphasized.

Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska Bibliography

- Sales Rank: #1484204 in Books
- Brand: Brand: Wiley
- Published on: 1997-07-07
- Original language: English
- Number of items: 1
- Dimensions: 9.30" h x 1.02" w x 6.30" l, 1.21 pounds
- Binding: Hardcover
- 276 pages

⬇ **Download** Introduction to Mathematical Finance: Discrete Tim ...pdf

📄 **Read Online** Introduction to Mathematical Finance: Discrete T ...pdf

Download and Read Free Online Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska

Editorial Review

Review
"I believe that this is an excellent text for undergraduate or MBA classes on Mathematical Finance. The bulk of the book describes a model with finitely many, discrete trading dates, and a finite sample space, thus it avoids the technical difficulties associated with continuous time models. The major strength of this book is its careful balance of mathematical rigor and intuition." *Peter Lakner, New York University*

From the Back Cover
This book is designed to serve as a textbook for advanced undergraduate and beginning graduate students who seek a rigorous yet accessible introduction to the modern financial theory of security markets. This is a subject that is taught in both business schools and mathematical science departments. The full theory of security markets requires knowledge of continuous time stochastic process models, measure theory, mathematical economics, and similar prerequisites which are generally not learned before the advanced graduate level. Hence a proper study of the full theory of security markets requires several years of graduate study. However, by restricting attention to discrete time models of security prices it is possible to acquire mathematics. In particular, while living in a discrete time world it is possible to learn virtually all of the important financial concepts. The purpose of this book is to provide such an introductory study.

There is still a lot of mathematics in this book. The reader should be comfortable with calculus, linear algebra, and probability theory that is based on calculus, (but not necessarily measure theory). Random variables and expected values will be playing important roles. The book will develop important notions concerning discrete time stochastic processes; prior knowledge here will be useful but is not required. Presumably the reader will be interested in finance and thus will come with some rudimentary knowledge of stocks, bonds, options, and financial decision making. The last topic involves utility theory, of course; hopefully the reader will be familiar with this and related topics of introductory microeconomic theory. Some exposure to linear programming would be advantageous, but not necessary.

The aim of this book is to provide a rigorous treatment of the financial theory while maintaining a casual style. Readers seeking institutional knowledge about securities, derivatives, and portfolio management should look elsewhere, but those seeking a careful introduction to financial engineering will find that this is a useful and comprehensive introduction to the subject.

About the Author
Stanley Pliska is the founding editor of the scholarly journal *Mathematical Finance.* He is noted for his fundamental research on the mathematical and economic theory of security prices, especially his development of important bridges between stochastic calculus and arbitrage pricing theory as well as his discovery of the risk neutral computational approach for portfolio optimization problems. He is currently teaching and researching in the areas of interest rate derivatives and dynamic asset allocation.

Users Review

From reader reviews:

Thomas Rasmussen:

Book is usually written, printed, or outlined for everything. You can understand everything you want by a reserve. Book has a different type. As we know that book is important factor to bring us around the world. Alongside that you can your reading skill was fluently. A book Introduction to Mathematical Finance: Discrete Time Models will make you to be smarter. You can feel far more confidence if you can know about everything. But some of you think which open or reading a new book make you bored. It's not make you fun. Why they might be thought like that? Have you searching for best book or ideal book with you?

Patricia Rhee:

This book untitled Introduction to Mathematical Finance: Discrete Time Models to be one of several books that will best seller in this year, honestly, that is because when you read this guide you can get a lot of benefit upon it. You will easily to buy this book in the book retail store or you can order it by way of online. The publisher of the book sells the e-book too. It makes you easier to read this book, as you can read this book in your Cell phone. So there is no reason for you to past this book from your list.

Mark Vandyke:

Reading a guide can be one of a lot of pastime that everyone in the world enjoys. Do you like reading book and so. There are a lot of reasons why people fantastic. First reading a guide will give you a lot of new information. When you read a reserve you will get new information due to the fact book is one of several ways to share the information or maybe their idea. Second, reading through a book will make you more imaginative. When you examining a book especially tale fantasy book the author will bring you to imagine the story how the people do it anything. Third, you can share your knowledge to other folks. When you read this Introduction to Mathematical Finance: Discrete Time Models, you are able to tells your family, friends in addition to soon about yours book. Your knowledge can inspire the others, make them reading a book.

Debra Espiritu:

That publication can make you to feel relax. This book Introduction to Mathematical Finance: Discrete Time Models was colourful and of course has pictures around. As we know that book Introduction to Mathematical Finance: Discrete Time Models has many kinds or genre. Start from kids until teens. For example Naruto or Private investigator Conan you can read and believe you are the character on there. So , not at all of book are generally make you bored, any it offers up you feel happy, fun and rest. Try to choose the best book for yourself and try to like reading that will.

Download and Read Online Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska #AXGR21L8TW7

Read Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska for online ebook

Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska books to read online.

Online Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska ebook PDF download

Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska Doc

Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska Mobipocket

Introduction to Mathematical Finance: Discrete Time Models By Stanley R. Pliska EPub