



Introduction to Stochastic Processes (Hardback)

By Gregory F. Lawler

Taylor Francis Inc, United States, 2006. Hardback. Condition: New. 2nd Revised edition. Language: English . Brand New Book. Emphasizing fundamental mathematical ideas rather than proofs, Introduction to Stochastic Processes, Second Edition provides quick access to important foundations of probability theory applicable to problems in many fields. Assuming that you have a reasonable level of computer literacy, the ability to write simple programs, and the access to software for linear algebra computations, the author approaches the problems and theorems with a focus on stochastic processes evolving with time, rather than a particular emphasis on measure theory. For those lacking in exposure to linear differential and difference equations, the author begins with a brief introduction to these concepts. He proceeds to discuss Markov chains, optimal stopping, martingales, and Brownian motion. The book concludes with a chapter on stochastic integration. The author supplies many basic, general examples and provides exercises at the end of each chapter. New to the Second Edition: * Expanded chapter on stochastic integration that introduces modern mathematical finance * Introduction of Girsanov transformation and the Feynman-Kac formula * Expanded discussion of Ito s formula and the Black-Scholes formula for pricing options * New topics such as Doob s maximal...



READ ONLINE
[3.88 MB]

Reviews

Here is the finest publication i have read through until now. I am quite late in start reading this one, but better then never. I am just easily can get a pleasure of studying a created publication.

-- **Morgan Bashirian**

A really wonderful book with perfect and lucid information. I actually have study and i am sure that i am going to gonna read through once more yet again in the future. I am pleased to explain how this is actually the finest ebook we have study inside my personal daily life and might be he finest book for at any time.

-- **Kristy Stroman**