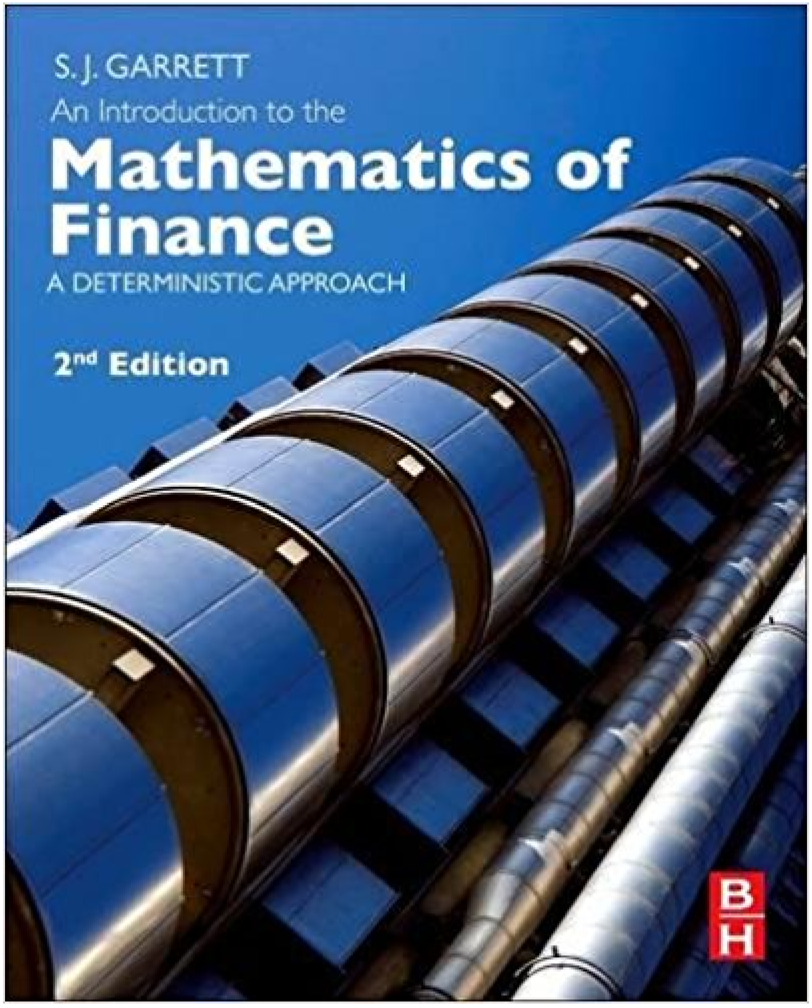
# An Introduction To The Mathematics Of Finance, Second Edition: A Deterministic Approach



## Synopsis

An Introduction to the Mathematics of Finance: A Deterministic Approach, 2e, offers a highly illustrated introduction to mathematical finance, with a special emphasis on interest rates.Â This revision of the McCutcheon-ScottÂ classicÂ follows the core subjects covered by the first professional exam required of UK actuaries, the CT1 exam.Â It realigns the table of contents with the CT1 exam and includes sample questions from past exams of both The Actuarial ProfessionÂ and the CFA Institute. With a wealthÂ of solved problems and interesting applications, An Introduction to the Mathematics of Finance stands alone in its ability to address the needs of its primary target audience, the actuarial student.Closely follows the syllabus for the CT1 exam of The Institute and Faculty of ActuariesFeatures new content andÂ more examplesOnline supplements available: http://booksite.elsevier.com/9780080982403/Includes past exam questions from The Institute and Faculty of Actuaries and the CFA Institute

## Book Information

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## Customer Reviews

"The main focus is the theory of compound interest, which is called deterministicÂ financial mathematics by the author...well written and the materials therein are well organized." --Zentralblatt MATH, An Introduction to the Mathematics of Finance "â |it offers some very clear explanations of the fundamental building blocks of actuarial work, such as compound interest functions, term structures and discountingâ |The use of examples and exam questions from the IFoA and the CFA Institute makes this a very valuable study aideâ |as a primer, it is certainly a success and one which

I hope is used by a great many students in the future." --Annals of Actuarial Science, 2014 "Stephen Garrettâ ™s new edition of Introduction to the Mathematics of Finance gives an excellent, concise, and thorough treatment of the fundamentals of financial mathematics. By updating the original edition with more emphasis on derivative pricing, this book has become an up-to-date first class textbook on this topic."Â --P.M. Barrieu, London School of Economics "This 2nd edition will give students excellent support when tackling the Actuarial Professionâ ™s examination in Subject CT1. It is written in a clear and concise way, and a wide range of realistic and relevant examples are provided which make the subject come alive. I will be recommending it to my students."Â --Ben Rickayzen,Â CassÂ Business SchoolÂ  "This edition is a timely update to a textbook that for many years was essential reading for actuarial students. Â It Â should prove to be a Â valuable resource for current students taking the CT1 exam."Â --John Millett, University of KentÂ  "This book contains a set of subjects that will be very close to most actuaries' hearts, being a text book aimed at covering the CT1 syllabus.Â  As an update to McCutcheon and Scott's 1989 An Introduction to the Mathematics of Finance, it offers some very clear explanations of the fundamental building blocks of actuarial work, such as compound interest functions, term structures, and discounting.Â  As a text for the beginner, this book is perfect....The use of examples and exam questions from both the IFoA and the CFA Institute makes this a very valuable study aide.Â  The fact that the solutions to the large number of exercise questions are also given further increases its usefulness as a primary textbook." --Annals of Actuarial Science 8:1, 2014

Prof. Stephen Garrett is Professor of Mathematical Sciences at the University of Leicester in the UK. He is currently Head of Actuarial Science in the Department of Mathematics, and also Head of the Thermofluids Research Group in the Department of Engineering. These two distinct responsibilities reflect his background and achievements in both actuarial science education and fluid mechanics research. Stephen is a Fellow of the Royal Aeronautical Society, the highest grade attainable in the world's foremost aerospace institution.

Helps a lot for my college studies, also some formulas are not quite clear on Kindle version, still good stuff.



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