Mathematics for Economics and Finance: Methods and Modelling

Martin Anthony, Norman Biggs
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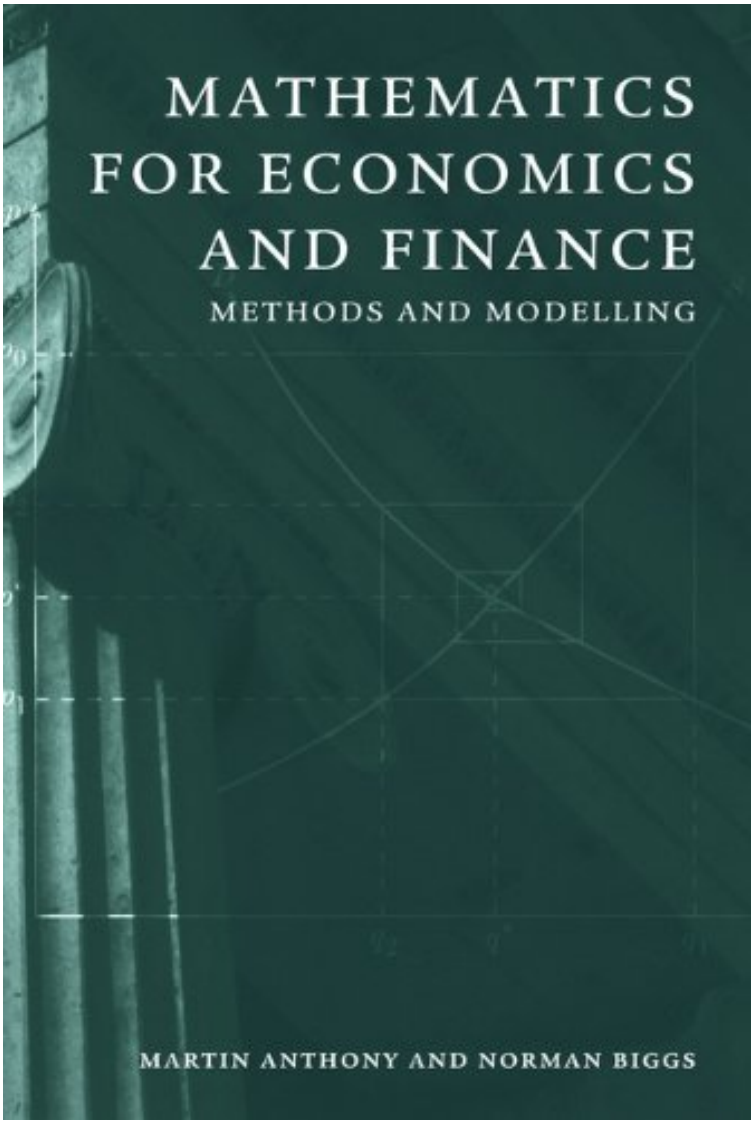

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Martin Anthony, Norman Biggs : Mathematics for Economics and Finance: Methods and Modelling before purchasing it in order to gage whether or not it would be worth my time, and all praised Mathematics for Economics and Finance: Methods and Modelling:

0 of 0 people found the following review helpful. For use only by advanced studentsBy ASUproudThis book is less of a mathematics text than it is a refined collection of lecture notes. The authors, Anthony and Biggs, both LSE professors, present the material in as few words as possible. They have omitted the depth of explanation which users of modern college textbooks have come to expect. Indeed, they get right to the point with few illustrations, few examples and few exercises for students to work (and no solutions with which to compare).Without a solid (and

recent) background in higher algebra and calculus and a good understanding of basic economics concepts, students will find this book to be challenging. Advanced economics students, on the other hand, will find it to be a handy reference.One can't help but think that this volume was born out of necessity: a textbook written by an educator because no other suitable text yet exists. Think of Paul Samuelson's first edition of 'Economics' in 1948. (In fact, Anthony's and Bigg's book bears a striking resemblance in style to Samuelson's original. An ode, perhaps?) Let's hope that this book, like Samuelson's original, evolves into a more comprehensive volume.0 of 0 people found the following review helpful. Five StarsBy AlexNice reading for boring evinings. Just, kidding. It's a good textbook, I liked it.1 of 1 people found the following review helpful. TimelessBy Pamela ShugerWithout a doubt, this is a timeless masterpiece that every business major should have. I used it as the required text in a freshman calculus class in a BBA program, along with some vanilla calculus supplemental material. Works perfectly for that, and while a little over the head of many students at that level, it gives them one book that they can keep forever, and look back on, someday hopefully seeing all the beauty of it.

Mathematics has become indispensable in the modelling of economics, finance, business and management. Without expecting any particular background of the reader, this book covers the following mathematical topics, with frequent reference to applications in economics and finance: functions, graphs and equations, recurrences (difference equations), differentiation, exponentials and logarithms, optimisation, partial differentiation, optimisation in several variables, vectors and matrices, linear equations, Lagrange multipliers, integration, first-order and second-order differential equations. The stress is on the relation of maths to economics, and this is illustrated with copious examples and exercises to foster depth of understanding. Each chapter has three parts: the main text, a section of further worked examples and a summary of the chapter together with a selection of problems for the reader to attempt. For students of economics, mathematics, or both, this book provides an introduction to mathematical methods in economics and finance that will be welcomed for its clarity and breadth.

'Throughout, the stress is firmly on how the mathematics relates to economics, and this is illustrated with copious examples and exercises that will foster depth of understanding.' L'Enseignement Matheacute;matiqueFrom the Back CoverWithout expecting any particular background of the reader, this book covers the following mathematical topics with frequent reference to applications in economics and finance, Functions, graphs and equations, recurrences (difference equations), differentiation, exponentials and logarithms, optimisation, partial differentiation, optimisation in several variables, vectors and matrices, linear equations, Lagrange multipliers, integration, first-order and second-order differential equations. Throughout, the stress is firmly on how the mathematics relates to economics, and this is illustrated with copious examples and exercises that will foster depth of understanding. Each chapter has three parts: the main text, where key concepts are developed; a section of further worked examples, where sample problems are fully solved; a summary of the chapter together with a selection of problems for the reader to attempt. For students of economics, mathematics, or both, this book provides an introduction to mathematical methods in economics and finance that will be welcomed for its clarity and breadth.