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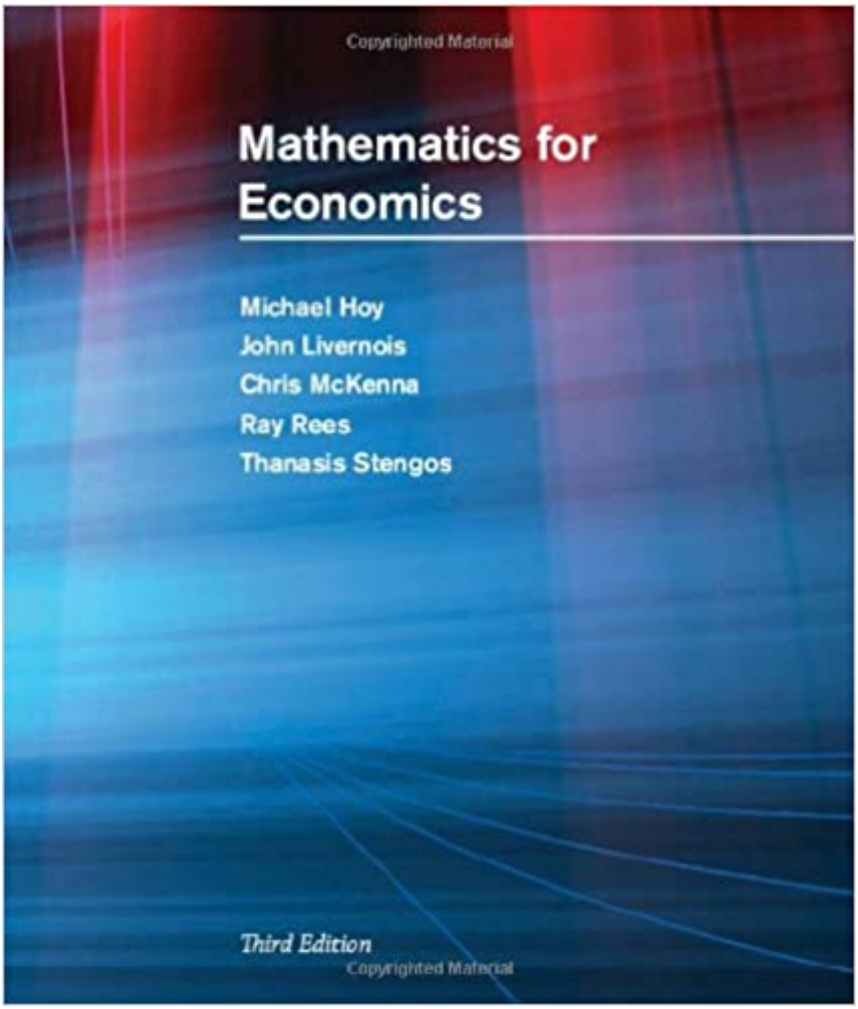
Mathematics For Economics (MIT Press)



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Synopsis

This text offers a comprehensive presentation of the mathematics required to tackle problems in economic analyses. To give a better understanding of the mathematical concepts, the text follows the logic of the development of mathematics rather than that of an economics course. The only prerequisite is high school algebra, but the book goes on to cover all the mathematics needed for undergraduate economics. It is also a useful reference for graduate students. After a review of the fundamentals of sets, numbers, and functions, the book covers limits and continuity, the calculus of functions of one variable, linear algebra, multivariate calculus, and dynamics. To develop the student's problem-solving skills, the book works through a large number of examples and economic applications. This streamlined third edition offers an array of new and updated examples. Additionally, lengthier proofs and examples are provided on the book's website. The book and the web material are cross-referenced in the text. A student solutions manual is available, and instructors can access online instructor's material that includes solutions and PowerPoint slides. Visit http://mitpress.mit.edu/math_econ3 for complete details.

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Customer Reviews

Mathematics is the language of economics, and this book is an excellent introduction to that language. (George J. Mailath, Walter H. Annenberg Professor in the Social Sciences and Professor of Economics, University of Pennsylvania)While there are many mathematics texts for economics available, this one is by far the best. It covers a comprehensive range of techniques with interesting

applications, and the numerous worked examples and problems are a real bonus for the instructor. Teaching a course with this book is enjoyable and easy. (Kevin Denny, University College Dublin)

Michael Hoy is a faculty member in the Economics Department at the University of Guelph.John Livernois is a faculty member in the Economics Department at the University of Guelph, Ontario.Chris McKenna is a faculty member in the Economics Department at the University of Guelph, Ontario.Ray Rees is a faculty member at the Ludwig Maximilians University, Munich.Thanasis Stengos is a faculty member in the Economics Department at the University of Guelph, Ontario.

I like this book. The explanations are clear and precise. I used this for my PhD in Economics math course and I would say that this is one of the textbooks that I use the most.

Great textbook

My university still uses this book, and I was skeptical about the price being low, but then found out that there are quite a few newer versions. Book is in EXCELLENT condition. No marks, no grime, no snags, no crimped pages. Brand new looking and glossy. No pages missing. I was pleased with my purchase

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We used this book for our intermediate quantitative economics class and despite managing to get 100% in the beginner class using a far superior textbook) I found transitioning to this book to be near impossible.The authors use many mathematical concepts without explaining them (still not sure what ÃƒÅ Ã Â´ is used for and turned a subject I was enjoying into a nightmare I wish i had not signed up for.I gave this 2 stars because If you already understand these concepts and are very strong at maths then you may find this book more useful than I did but I would be wondering why you need the book in the first place then.

The book took three weeks to arrive and when it finally did it was missing several pages.

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