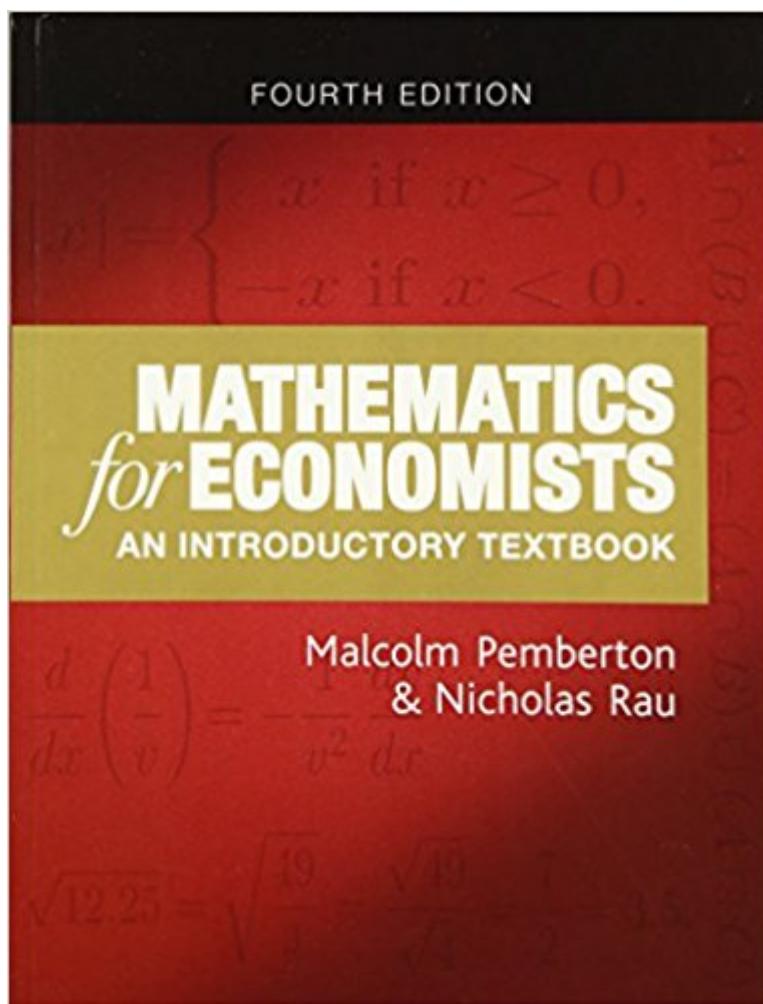


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Mathematics For Economists: An Introductory Textbook



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This book, now in its fourth edition, is a self-contained treatment of all the mathematics needed by undergraduate and masters-level students of economics: calculus, matrix algebra, probability, optimisation and dynamics. The emphasis throughout is on intuitive argument and problem-solving, and all methods are illustrated by well-chosen examples, exercises and problems selected from central areas of modern economic analysis. Clear, systematic and building up gently from a very low level, the book can be used in a variety of course formats for students with or without prior knowledge of calculus, for reference and for self-study. The last two chapters provide an introduction to the rigorous mathematical analysis used in graduate-level economics, and two chapters on probability theory, new to this edition, provide the essential mathematical background for upper-level courses on economic theory, econometrics and finance. Answers to all exercises and complete solutions to all problems are available online from a regularly updated website.

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Malcolm Pemberton is Senior Lecturer in Economics at University College LondonNicholas Rau is Honorary Senior Lecturer in Economics at University College London

Clearly written, with a good balance between theory and applications, and with lots of good exercises. I will use it, as I have done in the past, next time I teach advanced calculus for economists

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