

# Essential Mathematics for Economic Analysis

FOURTH EDITION



Knut Sydsæter & Peter Hammond  
with Anne Strøm

# Essential Mathematics For Economic Analysis 4th Edition

**Knut Sydsæter, Atle Seierstad, Arne  
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Knut Sydsater is a Professor of Mathematics in the Economics Department at the University of Oslo where since

1965 he has had extensive experience in teaching mathematics for economists He has also given graduate courses in dynamic optimization at Berkeley and Gothenborg He has written and co authored a number of books of which several have been translated into many languages In recent years he has been engaged in an attempt to improve the teaching of mathematics for economists in several African universities Peter Hammond is a Professor of Economics at Stanford University where he moved in 1979 after holding the same position at the University of Essex He completed a BA in Mathematics and a PhD in Economics at the University of Cambridge He has been an editor of the Review of Economic Studies of the Econometric Society Monograph Series and served on the editorial boards of Social Choice and Welfare and the Journal of Public Economic Theory He has published more than 90 academic papers in journals and books mostly on economic theory and mathematical economics Also available Further Mathematics for Economic Analysis by Sydsater Hammond Seierstad and Strom ISBN 0 273 65576 0 Further Mathematics for Economic Analysis is a companion volume to Essential Mathematics for Economic Analysis It is intended for advanced undergraduate and graduate economics students whose requirements go beyond the material usually taught in undergraduate mathematics courses for economists It presents most of the mathematical tools that are required for advanced courses in economic theory both micro and macro *Further Mathematics for Economic Analysis* Knut Sydsæter, Atle Seierstad, Arne Strom, 2008 The book is written for advanced undergraduate and graduate students of economics who have a basic undergraduate course in calculus and linear algebra It presents most of the mathematical tools they will encounter in their advanced courses in economics It is also suited for self study because of the answers it offers to problems throughout the book **Intermediate Economic Analysis** John Fitzgerald Due, Robert W. Clower, 1961 **Business Books and Serials in Print**, 1977 Collier's Encyclopedia, 1986 *Subject Guide to Books in Print*, 1996

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