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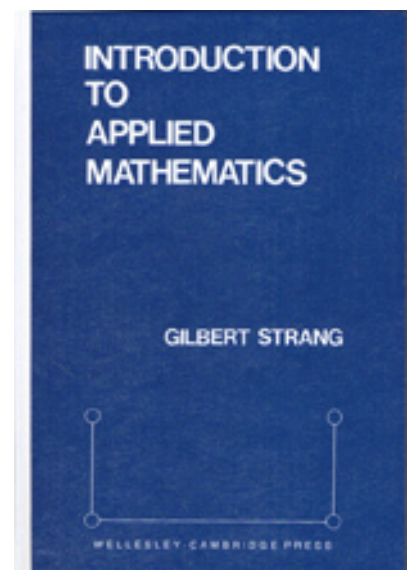
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INTRODUCTION TO APPLIED MATHEMATICS



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– PRODUCT DESCRIPTION

BY GILBERT STRANG

-

1986 / ix + 758 pages / Hardcover / ISBN-13: 9780964

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“...Strang's book is an elegant masterpiece. As a former research, this is the best general 'applied math' book through my lab. It is not a textbook in the usual sense; the level of the book is very mixed; parts are very elementary. The book is 'modern' in every sense, full of opinions and numerical series solutions to the diffusion equation (about which I have kernel solution. The discussion of Fourier analysis is excellent. The discussion of 'equilibrium' and 'minimum principles' is a superior original. After reading the preface, you can tell that this book was a great exam -- buy it, and refer back to it often, to really learn from it.”
18, 2000

Introduction to Applied Math offers a comprehensive introduction to applied mathematics. The book is clearly stated and easy to understand. The reference material is as illuminating as the hands-on examples.

About the Author

Gilbert Strang is a Professor of Mathematics at Massachusetts Institute of Technology, Cambridge, MA, and a Fellow of the Royal Society of London, UK. His current research interests include numerical analysis and optimization. He is the author or co-author of six textbooks and has published numerous research papers. Professor Strang served as SIAM's president from 1997 to 2000 and received the Neumann Medal of the US Association of Computational Mathematics in 2001.

Contents

Chapter 1: Symmetric Linear Systems
Chapter 2: Equilibrium Equations
Chapter 3: Equilibrium in the Continuous Case
Chapter 4: Analytical Methods
Chapter 5: Numerical Methods
Chapter 6: Initial-Value Problems
Chapter 7: Network Flows and Combinatorics
Chapter 8: Optimization
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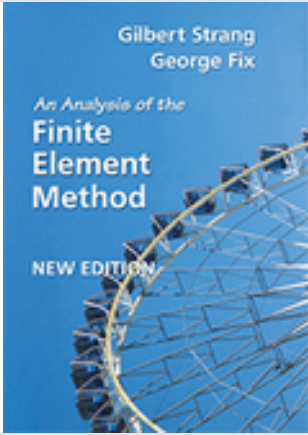
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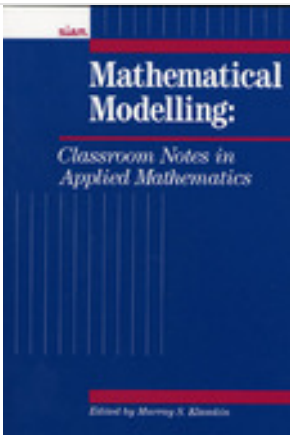


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