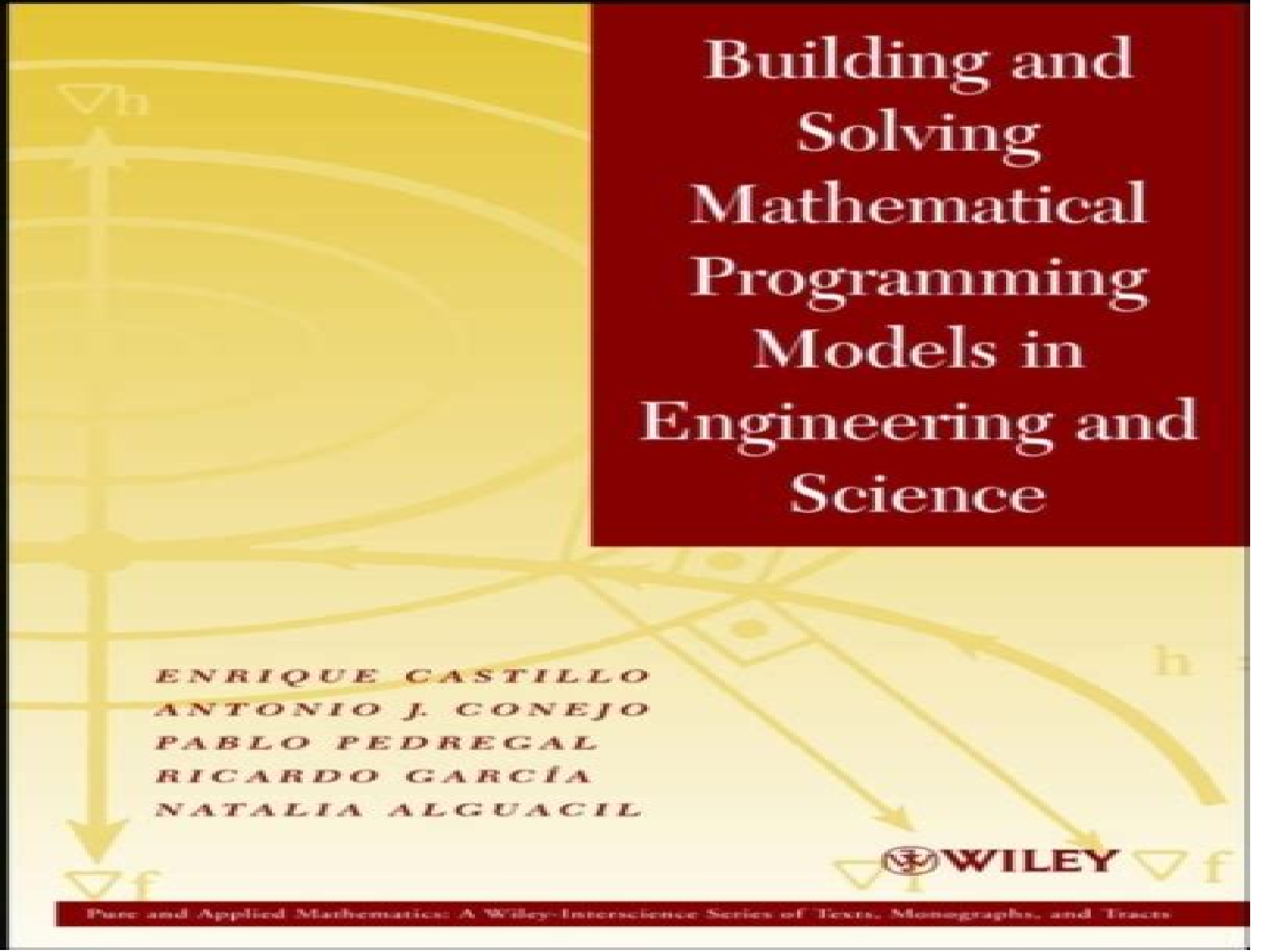




Building and Solving Mathematical Programming Models in Engineering and Science

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undergraduate level The book is also a valuable resource for secondary mathematics teachers and mathematicians **The Mathematics of Infinity** Theodore G. Faticoni, 2012-04-17 Praise for the First Edition an enchanting book for those people in computer science or mathematics who are fascinated by the concept of infinity Computing Reviews a very well written introduction to set theory easy to read and well suited for self study highly recommended Choice The concept of infinity has fascinated and confused mankind for centuries with theories and ideas that cause even seasoned mathematicians to wonder The Mathematics of Infinity A Guide to Great Ideas Second Edition uniquely explores how we can manipulate these ideas when our common sense rebels at the conclusions we are drawing Continuing to draw from his extensive work on the subject the author provides a user friendly presentation that avoids unnecessary in depth mathematical rigor This Second Edition provides important coverage of logic and sets elements and predicates cardinals as ordinals and mathematical physics Classic arguments and illustrative examples are provided throughout the book and are accompanied by a gradual progression of sophisticated notions designed to stun readers intuitive view of the world With an accessible and balanced treatment of both concepts and theory the book focuses on the following topics Logic sets and functions Prime numbers Counting infinite sets Well ordered sets Infinite cardinals Logic and meta mathematics Inductions and numbers Presenting an intriguing account of the notions of infinity The Mathematics of Infinity A Guide to Great Ideas Second Edition is an insightful supplement for mathematics courses on set theory at the undergraduate level The book also serves as a fascinating reference for mathematically inclined individuals who are interested in learning about the world of counterintuitive mathematics

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