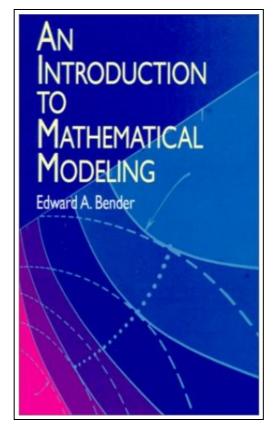
An Introduction to Mathematical Modeling (Dover Books on Computer Science)



Filesize: 4.55 MB

Reviews

Thorough information! Its this kind of good read. Yes, it is perform, continue to an amazing and interesting literature. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Loyal Grady)

AN INTRODUCTION TO MATHEMATICAL MODELING (DOVER BOOKS ON COMPUTER SCIENCE)



To get An Introduction to Mathematical Modeling (Dover Books on Computer Science) eBook, remember to click the hyperlink under and save the file or get access to additional information that are in conjuction with AN INTRODUCTION TO MATHEMATICAL MODELING (DOVER BOOKS ON COMPUTER SCIENCE) ebook.

Dover Publications (Educa Books), 2000. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. What is Modeling 1.1 Models and Reality 1.2 Properties of Models 1.3 Building a Model 1.4 An Example 1.5 Another Example; Problems 1.6 Why Study Modeling? Part I. Elementary methods 2. Arguments from Scale 2.1 Effects of Size; Costs of Packaging; Speed of Racing Shells; Size Effects in Animals; Problems 2.2 Dimensional Analysis; Theoretical Background; The Period of a Perfect Pendulum; Scale Models of Structures; Problems 3. Graphical Methods 3.1 Using Graphs in Modeling 3.2 Comparative Statics; The Nuclear Missile Arms Race; Biogeography: Diversity of Species on Islands; Theory of the Firm; Problems 3.3 Stability Questions; Cobweb Models in Economics; Small Group Dynamics; Problems 4. Basic Optimization 4.1 Optimization by Differentiation; Maintaining Inventories; Geometry of Blood vessels; Fighting forest Fires; Problems 4.2 Graphical Methods; A Bartering Model; Changing Environment and Optimal Phenotype; Problems 5. Basic Probability 5.1 Analytic Models; Sex Preference and Sex Ratio; Making Simple Choices; Problems 5.2 Monte Carlo Simulation; A Doctor's Waiting Room; Sediment Volume; Stream Networks; Problems; A Table of 3000 Random Digits 6. Potpourri; Desert Lizards and Radiant Energy; Are Fair Election Procedures Possible?; Impaired Carbon Dioxide Elimination; Problems Part 2. More Advanced Methods 7. Approaches to Differential Equations 7.1 General Discussion 7.2 Limitations of Analytic Solutions 7.3 Alternative Approaches 7.4 Topics Not Discussed 8. Quantitative Differential Equations 8.1 Analytical Methods; Pollution of the Great Lakes; The Left Turn Squeeze; Long Chain Polymers; Problems 8.2 Numerical Methods; Towing a Water Skier; A Ballistics Problem; Problems; The Heun Method 9. Local Stability Theory 9.1 Autonomous systems 9.2 Differential Equations; Theoretical Background; Frictional Damping of a Pendulum; Species Interaction and Population Size; Keynesian Economics; More Complicated Situations; Problems 9.3 Differential-Difference Equations; The Dynamics of Car Following; Problems...



Read An Introduction to Mathematical Modeling (Dover Books on Computer Science) Online Download PDF An Introduction to Mathematical Modeling (Dover Books on Computer Science)

You May Also Like



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Access the web link below to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" file.

Download ePub »



[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

Access the web link below to get "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" file.

Download ePub »



[PDF] What is Love A Kid Friendly Interpretation of 1 John 311, 16-18 1 Corinthians 131-8 13

Access the web link below to get "What is Love A Kid Friendly Interpretation of 1 John 311, 16-18 1 Corinthians 131-8 13" file.

Download ePub »



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Access the web link below to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" file.

Download ePub »



[PDF] Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)

Access the web link below to get "Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)" file.

Download ePub »



[PDF] Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Access the web link below to get "Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" file.

Download ePub »