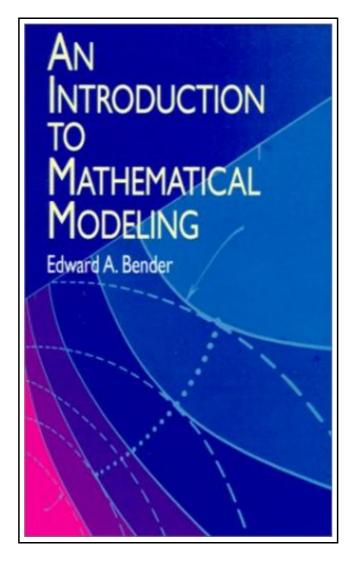
An Introduction to Mathematical Modeling (Dover Books on Computer Science)



Filesize: 6 MB

Reviews

This publication is definitely not simple to begin on studying but quite fun to see. It really is full of knowledge and wisdom I am just effortlessly can get a satisfaction of studying a created pdf. (Alfreda Bradtke)

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



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)

Other eBooks



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)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

Read Book »



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

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

Read Book »



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

Teaching Christ's Children Publishing. Paperback. Book Condition: New. Daan Yahya (illustrator). Paperback. 26 pages. Dimensions: 10.0in. x 8.0in. x 0.1in.What is Love is a Bible based picture book that is designed to help children understand...

Read Book »



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)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

Read Book »



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

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book....

Read Book »