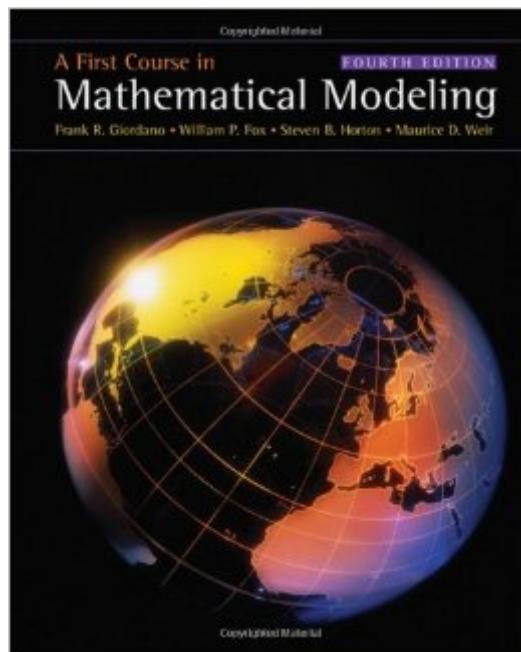


The book was found

A First Course In Mathematical Modeling



Synopsis

Offering a solid introduction to the entire modeling process, A FIRST COURSE IN MATHEMATICAL MODELING, 4th Edition delivers an excellent balance of theory and practice, and gives you relevant, hands-on experience developing and sharpening your modeling skills. Throughout, the book emphasizes key facets of modeling, including creative and empirical model construction, model analysis, and model research, and provides myriad opportunities for practice. The authors apply a proven six-step problem-solving process to enhance your problem-solving capabilities -- whatever your level. In addition, rather than simply emphasizing the calculation step, the authors first help you learn how to identify problems, construct or select models, and figure out what data needs to be collected. By involving you in the mathematical process as early as possible -- beginning with short projects -- this text facilitates your progressive development and confidence in mathematics and modeling.

Book Information

Hardcover: 640 pages

Publisher: Cengage Learning; 4 edition (June 2, 2008)

Language: English

ISBN-10: 0495011592

ISBN-13: 978-0495011590

Product Dimensions: 9.3 x 7.6 x 1.2 inches

Shipping Weight: 2.6 pounds

Average Customer Review: 4.5 out of 5 stars See all reviews (8 customer reviews)

Best Sellers Rank: #386,070 in Books (See Top 100 in Books) #275 in Books > Science & Math > Mathematics > Mathematical Analysis #2658 in Books > Science & Math > Mathematics > Applied #3653 in Books > Textbooks > Science & Mathematics > Mathematics

Customer Reviews

I wanted to find a book that could teach me how to use math to model problems better. This book covers many different ways to make mathematical models. This book isn't going to overwhelm you with math, it shows you the pitfalls with different ways of modelling things. I recommend this book to anyone who wants to learn how to apply math to real world problems.

From discrete to continuous modelling, with many projects and examples, I like very spacially this book for the undergraduate level. The presentation is very clear, but rigorous, making experience

the reader through the models. It focuses on the interpretation and ends with some tools for modelbuilding. For a start of mathematical model understanding of reality this book is specially good, clear and completely well written. Good job Mr. Giordano and Weir! See also: Mesterton-Gibbons: An approach to Mathematical Modelling, Fowler: Mathematical Models in the Sciences, Beltrami: Mathematics for Dynamical Modeling, Morrison: The Art of Modeling Dynamical Systems and Giordano: Differential Equations a Modeling Approach.

this is a standard on modelling, covers the basics and is very helpful. would recommend for anyone looking to learn modelling in a straightforward manner.

Solid book for good examples

[Download to continue reading...](#)

A Course in Mathematical Modeling (Mathematical Association of America Textbooks) A First Course in Mathematical Modeling Mathematical Modeling of Collective Behavior in Socio-Economic and Life Sciences (Modeling and Simulation in Science, Engineering and Technology) The Mathematical Olympiad Handbook: An Introduction to Problem Solving Based on the First 32 British Mathematical Olympiads 1965-1996 (Oxford Science Publications) A First Course in Differential Equations with Modeling Applications Python: PYTHON CRASH COURSE - Beginner's Course To Learn The Basics Of Python Programming In 24 Hours!: (Python, Python Programming, Python for Dummies, Python for Beginners, python crash course) Set Theory: A First Course (Cambridge Mathematical Textbooks) Microsoft Excel 2013 Data Analysis and Business Modeling: Data Analysis and Business Modeling (Introducing) 3D Modeling For Beginners: Learn everything you need to know about 3D Modeling! Introduction to the Numerical Modeling of Groundwater and Geothermal Systems: Fundamentals of Mass, Energy and Solute Transport in Poroelastic Rocks (Multiphysics Modeling) Geochemical Modeling of Groundwater, Vadose and Geothermal Systems (Multiphysics Modeling) Student Solutions Manual for Differential Equations: Computing and Modeling and Differential Equations and Boundary Value Problems: Computing and Modeling Teach Online: Design Your First Online Course: Step-By-Step Guide To A Course That Gets Results (Volume 3) Classical Piano Solos - First Grade: John Thompson's Modern Course Compiled and edited by Philip Low, Sonya Schumann & Charmaine Siagian (John Thompson's Modern Course for the Piano) Mathematical Modeling in Systems Biology: An Introduction (MIT Press) A Biologist's Guide to Mathematical Modeling in Ecology and Evolution An Introduction to Mathematical Modeling (Dover Books on Computer Science) Case Studies in Mathematical

Modeling: Ecology, Physiology, and Cell Biology Elementary Cryptanalysis: A Mathematical Approach (Mathematical Association of America Textbooks) Elementary Algebraic Geometry (Student Mathematical Library, Vol. 20) (Student Mathematical Library, V. 20)

[Dmca](#)