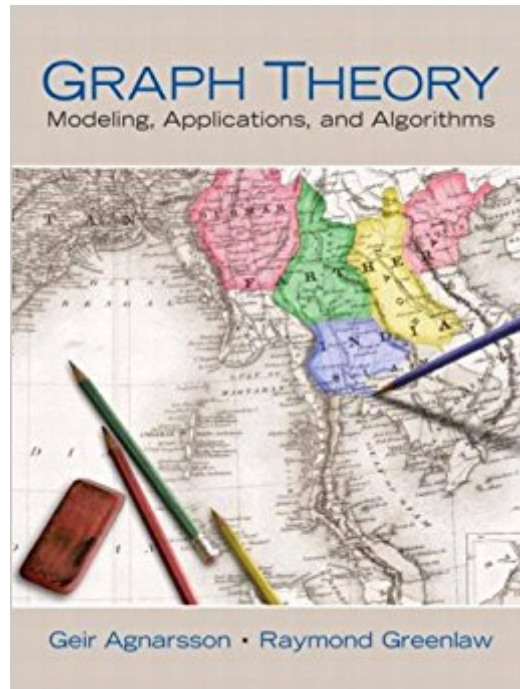


The book was found

# Graph Theory: Modeling, Applications, And Algorithms



## Synopsis

Once considered an unimportant branch of topology, graph theory has come into its own through many important contributions to a wide range of fields “ and is now one of the fastest-growing areas in discrete mathematics and computer science. This practical, intuitive book introduces basic concepts, definitions, theorems, and examples from graph theory. Presents a collection of interesting results from mathematics that involve key concepts and proof techniques. Covers design and analysis of computer algorithms for solving problems in graph theory. Discusses applications of graph theory to the sciences. Includes a collection of graph algorithms, written in Java, that are ready for compiling and running. For anyone interested in learning graph theory, discrete structures, or algorithmic design for graph problems.

## Book Information

Paperback: 464 pages

Publisher: Pearson; 1 edition (October 2, 2006)

Language: English

ISBN-10: 0131423843

ISBN-13: 978-0131423848

Product Dimensions: 7 x 1 x 9.1 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars See all reviews (1 customer review)

Best Sellers Rank: #344,696 in Books (See Top 100 in Books) #42 in Books > Science & Math > Mathematics > Applied > Graph Theory #54 in Books > Science & Math > Mathematics > Pure Mathematics > Combinatorics #87 in Books > Textbooks > Computer Science > Algorithms

## Customer Reviews

This is a very good introductory book on Graph Theory. If you don't want to be overwhelmed by Doug West's, etc., and yet receive a decent introduction to the topic, this book is your best bet. It covers all the topics required for an advanced undergrad course or a graduate level graph theory course for Math, engineering, operations research or computer science students in good depth and details. There are good examples and interesting exercises; some computer codes (JAVA) are also available in the book implementing some of the algorithms. I would say O.R. and CS people will benefit a lot from it both as a reference or a textbook if adapted for a one semester graduate course. The only drawback is the price!

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

Graph Theory: Modeling, Applications, and Algorithms Algorithms in C, Parts 1-5 (Bundle):  
Fundamentals, Data Structures, Sorting, Searching, and Graph Algorithms (3rd Edition) Graph  
Algorithms Graph Theory with Applications to Engineering and Computer Science (Dover Books on  
Mathematics) Schaum's Outline of Theory and Problems of Combinatorics including concepts of  
Graph Theory Combinatorial Optimization: Theory and Algorithms (Algorithms and Combinatorics)  
Evolutionary Algorithms in Theory and Practice: Evolution Strategies, Evolutionary Programming,  
Genetic Algorithms Introduction to Graph Theory (Dover Books on Mathematics) The Fascinating  
World of Graph Theory Graph Theory: A Problem Oriented Approach Graph Theory (Graduate  
Texts in Mathematics) A First Course in Graph Theory (Dover Books on Mathematics) Discrete  
Mathematics with Graph Theory International Edition Applied Cryptography: Protocols, Algorithms,  
and Source Code in C [ APPLIED CRYPTOGRAPHY: PROTOCOLS, ALGORITHMS, AND  
SOURCE CODE IN C BY Schneier, Bruce ( Author ) Nov-01-1995 Geometric Algorithms and  
Combinatorial Optimization (Algorithms and Combinatorics) Practical Algorithms in Pediatric  
Hematology and Oncology: (Practical Algorithms in Pediatrics. Series Editor: Z. Hochberg) Modeling  
Groundwater Flow and Contaminant Transport (Theory and Applications of Transport in Porous  
Media) Student Solutions Manual for Differential Equations: Computing and Modeling and  
Differential Equations and Boundary Value Problems: Computing and Modeling Mathematical  
Modeling of Collective Behavior in Socio-Economic and Life Sciences (Modeling and Simulation in  
Science, Engineering and Technology) Microsoft Excel 2013 Data Analysis and Business Modeling:  
Data Analysis and Business Modeling (Introducing)

[Dmca](#)