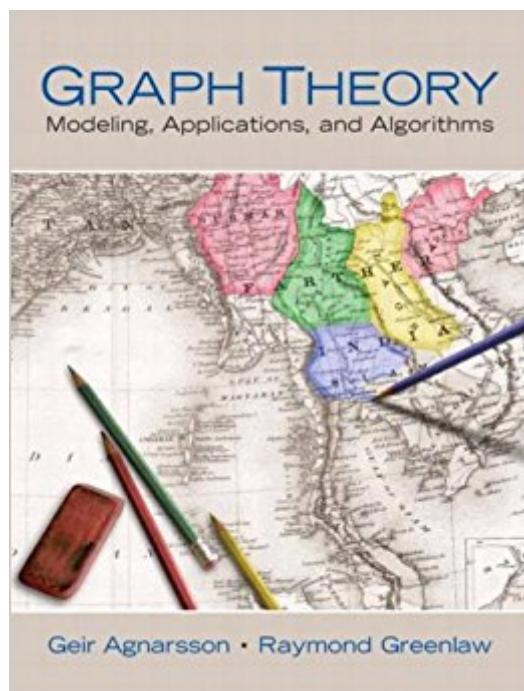


The book was found

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: 6.8 x 1.1 x 9.1 inches

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

Average Customer Review: 3.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #492,191 in Books (See Top 100 in Books) #73 in Books > Science & Math > Mathematics > Applied > Graph Theory #96 in Books > Science & Math > Mathematics > Pure Mathematics > Combinatorics #135 in Books > Textbooks > Computer Science > Algorithms

Customer Reviews

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.

Got this as required for my Graph Theory course - the book is just too dense, and the explanations are hard to follow. I have to resort to YouTube videos to fully understand the material.

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 Graph Paper Notebook : Graph Paper Composition Book: 5mm Squares, A4 120 Pages, 8.5" x 11" Large Sketchbook Journal, For Mathematics, Sums, Formulas, Drawing etc (Graph Paper Notebooks) (Volume 2) Bundle of Algorithms in C++, Parts 1-5: Fundamentals, Data Structures, Sorting, Searching, and Graph Algorithms (3rd Edition) (Pts. 1-5) Evolutionary Algorithms in Theory and Practice: Evolution Strategies, Evolutionary Programming, Genetic Algorithms graph paper composition book: Black Damask Design, Graph Paper Notebook and Conversion Chart, 7.5 x 9.25, 160 Pages For for School / Teacher / Office / Student Composition Book Graph Paper Notebook Journal : 1/4" Squared Graphing Paper Blank Quad Ruled: Graph , Coordinate , Grid , Squared Spiral Paper for write drawing note ... 120 pages (Math Diary Worksheet) (Volume 4) Graph Paper Sketchbook: Graph Paper Notebook, 8.5 x 11, 120 Grid Lined Pages (1/4 Inch Squares) Graph Paper Notebook: Blue Marble, Graph Paper Notebook, 7.5 x 9.25, 160 Pages For for School / Teacher / Office / Student Composition Book Graph Paper Notebook Journal : 1/4" Squared Graphing Paper Blank Quad Ruled: Graph , Coordinate , Grid , Squared Spiral Paper for write drawing note ... x 11 Inch) 120 pages (Math Diary) (Volume 3) Graph Paper Notebook (Compostion Notebook): 1/2 Inches Square - Botanical Leaf Cover - 8.5"x11" (Softback): Graph Paper Notebook (Composition Notebook) (Volume 6) Graph Paper Notebook Journal : 1/4" Squared Graphing Paper Blank Quad Ruled: Graph , Coordinate , Grid , Squared Spiral Paper for write drawing note ... 120 pages (Math Diary Worksheet) (Volume 8) Graph Paper Notebook Journal : 1/4" Squared Graphing Paper Blank

Quad Ruled: Graph , Coordinate , Grid , Squared Spiral Paper for write drawing note ... 120 pages (Math Diary Worksheet) (Volume 9) Graph Theory and Sparse Matrix Computation (The IMA Volumes in Mathematics and its Applications) Graph Theory with Applications to Engineering and Computer Science (Dover Books on Mathematics) Graph Theory and Its Applications, Second Edition (Textbooks in Mathematics) Practical Algorithms in Pediatric Hematology and Oncology: (Practical Algorithms in Pediatrics. Series Editor: Z. Hochberg) Practical Algorithms in Pediatric Nephrology: (Practical Algorithms in Pediatrics. Series Editor: Z. Hochberg) Practical Algorithms in Pediatric Gastroenterology: (Practical Algorithms in Pediatrics. Series Editor: Z. Hochberg) Practical Algorithms in Pediatric Endocrinology: (Practical Algorithms in Pediatrics. Series Editor: Z. Hochberg) Problems from the Discrete to the Continuous: Probability, Number Theory, Graph Theory, and Combinatorics (Universitext)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)