This book aims to explain the basics of graph theory that are needed at an introductory level for students in computer or information sciences. To motivate students and to show that even these basic notions can be extremely useful, the book also aims to provide an introduction to the modern field of network science. Mathematics is often unnecessarily difficult for students, at times even intimidating. For this reason, explicit attention is paid in the first chapters to mathematical notations and proof techniques, emphasizing that the notations form the biggest obstacle, not the mathematical concepts themselves. This approach allows to gradually prepare students for using tools that are necessary to put graph theory to work: complex networks. In the second part of the book the student learns about random networks, small worlds, the structure of the Internet and the Web, peer-to-peer systems, and social networks. Again, everything is discussed at an elementary level, but such that in the end students indeed have the feeling that they: 1.Have learned how to read and understand the basic mathematics related to graph theory. 2.Understand how basic graph theory can be applied to optimization problems such as routing in communication networks. 3.Know a bit more about this sometimes mystical field of small worlds and random networks. There is an accompanying web site www.distributed-systems.net/gtcn from where supplementary material can be obtained, including exercises, Mathematica notebooks, data for analyzing graphs, and generators for various complex networks.

Total Domination in Graphs, Michael A. Henning, Anders Yeo, 2013, Mathematics, 194 pages. This title explores the fundamentals of total domination in graphs, the interplay with transversals in hypergraphs and the association with diameter-2-critical graphs. The book.


IEEE International Symposium on Circuits and Systems, Volumes 1-6, IEEE Circuits and Syatems Society, 1996, Technology & Engineering, 3000 pages. Seven technical tracks are used to cover the full gamut of subjects addressed at this major conference: analog circuits and signal processing, circuit theory and power systems.

Cracking the LSAT 2012, Adam Robinson, Kevin Blemel, Jun 7, 2011, Study Aids, 471 pages. Complemented by a DVD that enables access to a total of six full-length practice exams, a reference for aspiring law students provides detailed explanations for every question.

Distributed systems principles and paradigms, Andrew S. Tanenbaum, Maarten van Steen, 2007, Computers, 686 pages. Virtually every computing system today is part of a distributed system. Programmers, developers, and engineers need to understand the underlying principles and paradigms as.

Rwanda History and Hope, Margee M. Ensign, William E. Bertrand, 2010, Health & Fitness, 154 pages. Describes the model of governance Rwanda has taken to foster gender equality, economic growth, poverty reduction, and improved education.

Distributed Computing Fundamentals, Simulations, and Advanced Topics, Hagit Attiya, Jennifer Welch, Mar 25, 2004, Computers, 414 pages. The explosive growth of distributed computing systems makes understanding them imperative. To make this notoriously difficult subject accessible, 'Distributed Computing.'

Power Systems Applications of Graph Theory, Jizhong Zhu, 2009, Mathematics, 320 pages. There are several books on the applications of graph theory, but none of them are related to power systems applications. This book attempts to cover all applications of graph.


Renewable Energy Applications in Power Systems, Jizhong Zhu, Jan 1, 2012, Technology & Engineering, 208 pages. An electric power system is a network of electrical components used to supply, transmit and use electric power. Burning coal produces sulfur, nitrogen oxide and mercury.

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Case studies in business ethics, Thomas Donaldson, Al Gini, 1993, Business & Economics, 321 pages. This collection of quality cases and essays on business ethics addresses some of the most pertinent ethical issues in today’s business environment. It goes well beyond matters.

Trek, David Carson, recent work, David Carson, 2003, Photography, 456 pages. Trek is David Carsons first graphic design book in 5 years. It is the most comprehensive collection of his work since The End of Print published in the mid 90s and documents The Book of Games, Nov 1, 2006, Games, 448 pages. A feast for the eyes with literally thousands of vivid, high-resolution screen shots, this book provides a comprehensive visual tour through the world of PC and video gaming.

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