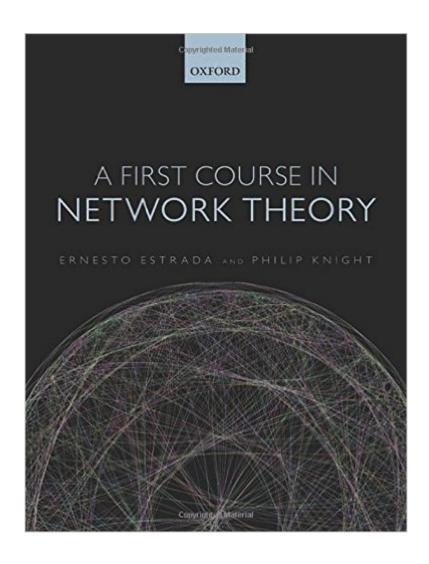
## The book was found

# **A First Course In Network Theory**





## Synopsis

The study of network theory is a highly interdisciplinary field, which has emerged as a major topic of interest in various disciplines ranging from physics and mathematics, to biology and sociology. This book promotes the diverse nature of the study of complex networks by balancing the needs of students from very different backgrounds. It references the most commonly used concepts in network theory, provides examples of their applications in solving practical problems, and clear indications on how to analyse their results. In the first part of the book, students and researchers will discover the quantitative and analytical tools necessary to work with complex networks, including the most basic concepts in network and graph theory, linear and matrix algebra, as well as the physical concepts most frequently used for studying networks. They will also find instruction on some key skills such as how to proof analytic results and how to manipulate empirical network data. The bulk of the text is focused on instructing readers on the most useful tools for modern practitioners of network theory. These include degree distributions, random networks, network fragments, centrality measures, clusters and communities, communicability, and local and global properties of networks. The combination of theory, example and method that are presented in this text, should ready the student to conduct their own analysis of networks with confidence and allow teachers to select appropriate examples and problems to teach this subject in the classroom.

### **Book Information**

Paperback: 288 pages

Publisher: Oxford University Press; 1 edition (May 19, 2015)

Language: English

ISBN-10: 0198726465

ISBN-13: 978-0198726463

Product Dimensions: 9.6 x 0.5 x 7.4 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â See all reviews (2 customer reviews)

Best Sellers Rank: #803,478 in Books (See Top 100 in Books) #81 in Books > Computers &

Technology > Computer Science > Cybernetics #236 in Books > Science & Math > Physics >

System Theory #542 in Books > Science & Math > Physics > Mathematical Physics

### **Customer Reviews**

Very clear explanationsGood introduction to a fascinating subject

#### Great book

#### Download to continue reading...

Network Marketing Success Blueprint: Go Pro in Network Marketing: Build Your Team, Serve Others and Create the Life of Your Dreams (Network Marketing ... Scam Free Network Marketing) (Volume 1) Network Marketing: Network Marketing Recruiting for Facebook: How to Find People to Talk to and What to Say When You Do (MLM Recruiting, Direct Sales, Network Marketing, Home Business) Network Marketing For Introverts: Guide To Success For The Shy Network Marketer (network marketing, multi level marketing, mlm, direct sales) Network Marketing: How To Recruit Prospect Step By Step From Newbies To Professional in network marketing: network marketing, multiple marketing, MLM, ... Step from Newbies to Professional Book 5) A First Course in Network Theory Python: Python Programming Course: Learn the Crash Course to Learning the Basics of Python (Python Programming, Python Programming Course, Python Beginners Course) My Very First Library: My Very First Book of Colors, My Very First Book of Shapes, My Very First Book of Numbers, My Very First Books of Words Sun Certified Network Administrator for the Solaris 10 Operating System Certification Exam Preparation Course in a Book for Passing the Solaris ... on Your First Try Certification Study Guide Nmap Network Scanning: The Official Nmap Project Guide to Network Discovery and Security Scanning Managing Internetworks With Snmp: The Definitive Guide to the Simple Network Management Protocol, Snmpv2, Rmon, and Rmon2 (Network Troubleshooting Library) WIN32 Network Programming: Windows(r) 95 and Windows NT Network Programming Using MFC Localization in Wireless Sensor Network: An enhanced composite approach with mobile beacon shortest path to solve localization problem in wireless sensor network Network Performance and Optimization Guide: The Essential Network Performance Guide For CCNA, CCNP and CCIE Engineers (Design Series) How to get every Network Diagram question right on the PMP® Exam:: 50+ PMP® Exam Prep Sample Questions and Solutions on Network Diagrams (PMP® Exam Prep Simplified) (Volume 3) Internet Marketing For Network Marketers: How To Create Automated Systems To Get Recruits and Customers Online (network marketing, mlm, direct sales, home based business) How to get every Network Diagram question right on the PMP® Exam:: 50+ PMP® Exam Prep Sample Questions and Solutions on Network Diagrams (PMP® Exam Prep Simplified Book 3) Rock Your Network Marketing Business: How to Become a Network Marketing Rock Star The Miracle Morning for Network Marketers 90-Day Action Planner (The Miracle Morning for Network Marketing) (Volume 2) The Four Color Personalities For MLM: The Secret Language For Network Marketing (MLM & Network Marketing Book 2) Network Marketing: Guide for a Successful Network Marketing Career

