Título: Models, Algorithms, And Technologies For Network Analysis

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Sinopsis

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Presents state-of-the-art techniques from researchers and practitioners from different fields
Covers topics from theoretical, algorithmic, and practical viewpoints, providing readers with theories and techniques from different perspectives
Provides ideas and methodologies to detect network optimization problems, facilitating the retrieval of optimal solutions for difficult problems?
This volume contains a selection of contributions from the "First
International Conference in Network Analysis," held at the University of Florida, Gainesville, on December 14-16, 2011. The remarkable diversity of fields that take advantage of Network Analysis makes the endeavor of gathering up-to-date material in a single compilation a useful, yet very difficult, task. The purpose of this volume is to overcome this difficulty by collecting the major results found by the participants and combining them in one easily accessible compilation.

Network analysis has become a major research topic over the last several years. The broad range of applications that can be described and analyzed by means of a network is bringing together researchers, practitioners and other scientific communities from numerous fields such as Operations Research, Computer Science, Transportation, Energy, Social Sciences, and more. The contributions not only come from different fields, but also cover a broad range of topics relevant to the theory and practice of network analysis, including the reliability of complex networks, software, theory, methodology, and applications.

Content Level » Research

Keywords » combinatorics - combinatorics for finite fields - finite fields - first international conference network analysis - mathematical programming - network analysis

Related subjects » Applications - Mathematics