1.
Record Nr.	UNINA9910696170103321
Autore	Reynolds Mitchell W
Titolo	Preliminary geologic map of the Townsend 30' x 60' quadrangle, Montana [[electronic resource] /] / by Mitchell W. Reynolds and Theodore R. Brandt ; U.S. Department of the Interior, U.S. Geological Survey
Pubbl/distr/stampa	Denver, Colo. : , : U.S. Geological Survey, , 2006
Edizione	[Version 1.0.]
Descrizione fisica	1 map : digital, PDF file
Collana	U.S. Geological Survey open-file report ; ; 2006-1138
Altri autori (Persone)	BrandtTed R. <1954->
Soggetti	Geology - Montana Maps.
Lingua di pubblicazione	Inglese
Formato	Materiale cartografico a stampa
Livello bibliografico	Monografia
Note generali	Title from HTML index page (viewed on Aug. 3, 2006). Includes location map and index to adjoining quadrangles.
Nota di bibliografia	Includes bibliographical references.

2.	Record Nr.	UNINA9910574082803321
	Autore	Henning Mike
	Titolo	Graph and Network Theory : An Applied Approach using Mathematica® / / by Michael A. Henning, Jan H. van Vuuren
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
	ISBN	3-031-03857-6
	Edizione	[1st ed. 2022.]
	Descrizione fisica	1 online resource (782 pages)
	Collana	Springer Optimization and Its Applications, , 1931-6836 ; ; 193
	Disciplina	511.5
	Soggetti	Operations research Management science Graph theory Discrete mathematics Operations Research, Management Science Graph Theory Applications of Discrete Mathematics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Preface -- List of Algorithms -- List of Bibliographical Notes -- Part 1. Topics in network optimisation -- 1. An introduction to graphs -- 2. Graph connectedness -- 3. Algorithmic complexity -- 4. Optimal paths -- 5. Trees -- 6. Location problems -- 7. Maximum flow networks -- 8. Minimum-cost network flows -- Part 2. Topics in classical graph theory -- 9. Matchings -- 10. Eulerian graphs -- 11. Hamiltonian graphs -- 12. Graph connectivity -- 13. Planarity -- 14. Graph colouring -- 15. Oriented graphs. Part 3. Topics in modern graph theory -- 16. Domination in graphs -- 17. Ramsey Theory -- 18. Extremal graph theory -- 19. Graph enumeration -- 20. The probabilistic method -- Index.
	Sommario/riassunto	This textbook covers a diversity of topics in graph and network theory, both from a theoretical standpoint, and from an applied modelling point of view. Mathematica® is used to demonstrate much of the modelling aspects. Graph theory and model building tools are developed in tandem with effective techniques for solving practical

problems via computer implementation. The book is designed with three primary readerships in mind. Individual syllabi or suggested sequences for study are provided for each of three student audiences: mathematics, applied mathematics/operations research, and computer science. In addition to the visual appeal of each page, the text contains an abundance of gems. Most chapters open with real-life problem descriptions which serve as motivation for the theoretical development of the subject matter. Each chapter concludes with three different sets of exercises. The first set of exercises are standard and geared toward the more mathematically inclined reader.Many of these are routine exercises, designed to test understanding of the material in the text, but some are more challenging. The second set of exercises is earmarked for the computer technologically savvy reader and offer computer exercises using Mathematica. The final set consists of larger projects aimed at equipping those readers with backgrounds in the applied sciences to apply the necessary skills learned in the chapter in the context of real-world problem solving. Additionally, each chapter offers biographical notes as well as pictures of graph theorists and mathematicians who have contributed significantly to the development of the results documented in the chapter. These notes are meant to bring the topics covered to life, allowing the reader to associate faces with some of the important discoveries and results presented. In total, approximately 100 biographical notes are presented throughout the book. The material in this book has been organized into three distinct parts, each with a different focus. The first part is devoted to topics in network optimization, with a focus on basic notions in algorithmic complexity and the computation of optimal paths, shortest spanning trees, maximum flows and minimum-cost flows in networks, as well as the solution of network location problems. The second part is devoted to a variety of classical problems in graph theory, including problems related to matchings, edge and vertex traversal, connectivity, planarity, edge and vertex coloring, and orientations of graphs. Finally, the focus in the third part is on modern areas of study in graph theory, covering graph domination, Ramsey theory, extremal graph theory, graph enumeration, and application of the probabilistic method.