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Titolo	Graph Data Management : Fundamental Issues and Recent Developments / / edited by George Fletcher, Jan Hidders, Josep Lluís Larriba-Pey
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Descrizione fisica	1 online resource (XII, 186 p. 64 illus., 27 illus. in color.)
Collana	Data-Centric Systems and Applications, , 2197-9723
Disciplina	001.4226
Soggetti	Database management Computer science—Mathematics Computer system failures Computers Database Management Math Applications in Computer Science System Performance and Evaluation Models and Principles
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Basics of Graph Data Management -- Large Scale Graph Processing Systems -- Motif Discovery in Large Graphs -- Applications of Flexible Querying to Graphs -- Graph Visualization -- Graph Management Benchmarking -- Parallel Processing of Graphs -- Graph Mining -- Connectivity Queries on Complex Networks.
Sommario/riassunto	This book presents a comprehensive overview of fundamental issues and recent advances in graph data management. Its aim is to provide beginning researchers in the area of graph data management, or in fields that require graph data management, an overview of the latest developments in this area, both in applied and in fundamental subdomains. The topics covered range from a general introduction to graph data management, to more specialized topics like graph visualization, flexible queries of graph data, parallel processing, and benchmarking. The book will help researchers put their work in

perspective and show them which types of tools, techniques and technologies are available, which ones could best suit their needs, and where there are still open issues and future research directions. The chapters are contributed by leading experts in the relevant areas, presenting a coherent overview of the state of the art in the field. Readers should have a basic knowledge of data management techniques as they are taught in computer science MSc programs.