

1. Record Nr.	UNINA9910143883303321
Titolo	Semantics in Databases [[electronic resource]] : Second International Workshop, Dagstuhl Castle, Germany, January 7-12, 2001, Revised Papers // edited by Leopoldo Bertossi, Gyula O.H. Katona, Klaus-Dieter Schewe, Bernhard Thalheim
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003
ISBN	3-540-36596-6
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (X, 238 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2582
Disciplina	005.74
Soggetti	Data structures (Computer science) Database management Computer logic Computer science—Mathematics Information storage and retrieval Multimedia information systems Data Structures and Information Theory Database Management Logics and Meanings of Programs Discrete Mathematics in Computer Science Information Storage and Retrieval Multimedia Information Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Semantics in Databases -- Characterizing and Computing Semantically Correct Answers from Databases with Annotated Logic and Answer Sets -- Towards Unifying Semantic Constraints and Security Constraints -- Historical and Computational Aspects of Paraconsistency in View of the Logic Foundation of Databases -- Soft Constraints and Heuristic Constraint Correction in Entity-Relationship Modelling -- Characterization of Type Hierarchies with Open Specification -- Null Values in Relational Databases and Sure Information Answers --

Consistency Enforcement in Databases -- Automata- and Logic-Based Pattern Languages for Tree-Structured Data -- Cardinality Constraints in Disjunctive Deductive Databases -- Semantic Classifications of Queries to Relational Databases.

Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the Second International Workshop on Semantics in Databases, held in Dagstuhl Castle, Germany, in January 2001. The 10 revised full papers presented together with an introduction by the volume editors were carefully selected during two rounds of reviewing. Among the aspects of database semantics discussed are semantic constraints, paraconsistency, logic foundations of databases, ER modeling, type hierarchies, null values, consistency enforcement, logic-based pattern languages, and semantic classification of queries. Among the classes of databases dealt with are deductive databases, relational databases, distributed information systems, and tree-structured data.
