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Titolo	Semantics in Databases [[electronic resource] /] / edited by Bernhard Thalheim, Leonid Libkin
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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1358
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Soggetti	Data structures (Computer science) Database management Computer logic Information storage and retrieval Data Structures and Information Theory Database Management Logics and Meanings of Programs Information Storage and Retrieval
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Nota di contenuto	An informal and efficient approach for obtaining semantic constraints using sample data and natural language processing -- Achievements of relational database schema design theory revisited -- Semantics of database transformations -- The evolving algebra semantics of class and role hierarchies -- Semantics in spatial databases -- The additivity problem for data dependencies in incomplete relational databases -- A semantics-based approach to design of query languages for partial information -- Constraint databases: A survey -- Redundancy elimination and a new normal form for relational database design.
Sommario/riassunto	This book presents a coherent suvey on exciting developments in database semantics. The origins of the volume date back to a workshop held in Prague, Czech Republic, in 1995. The nine revised full papers and surveys presented were carefully reviewed for inclusion in the book. They address more traditional aspects like dealing with integrity constraints and conceptual modeling as well as new areas of databases;

object-orientation, incomplete information, database transformations and other issues are investigated by applying formal semantics, e.g. the evolving algebra semantics.