| | | |
|---|---|---|
| 1. | Record Nr. | UNISA996465815303316 |
| | Titolo | MFDBS 87 [[electronic resource] ] : 1st Symposium on Mathematical Fundamentals of Database Systems, Dresden, GDR, January 19-23, 1987. Proceedings / / edited by Joachim Biskup, Janos Demetrovics, Jan Paredaens, Bernhard Thalheim |
| | Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1988 |
| | ISBN | 3-540-39124-X |
| | Edizione | [1st ed. 1988.] |
| | Descrizione fisica | 1 online resource (VIII, 252 p.) |
| | Collana | Lecture Notes in Computer Science, , 0302-9743 ; ; 305 |
| | Disciplina | 005.74/01/51 |
| | Soggetti | Computers<br>Data structures (Computer science)<br>Theory of Computation<br>Data Structures and Information Theory<br>Models and Principles |
| | Lingua di pubblicazione | Inglese |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
| | Note generali | Bibliographic Level Mode of Issuance: Monograph |
| | Nota di contenuto | Information measurement in relational databases -- On hierarchical normal forms -- Data manipulation languages for the universal relation view DURST -- The equivalence problem for relational database schemes -- On global context dependencies and their properties -- Functional dependency implications, inducing horizontal decompositions -- Extremal combinatorial problems of database models -- A formal model for distributed information systems -- A theory of reference graphs in relational databases -- Modal logic and incomplete information -- Designing alpha-acyclic BCNF-database schemes -- Design tools for large relational database systems -- Searching and retrieval in databases by trees -- Database models, where they are going now? -- Open problems in database theory. |
| | Sommario/riassunto | This volume contains the 13 best of the 18 papers presented at the first MFDBS conference held in Dresden, GDR, January 19-23, 1987. A short summary of the two panel discussions is also included. The volume is intended to be a reflection of the current state of knowledge |

and a guide to further development in database theory. The main topics covered are: theoretical fundaments of the relational data model (dependency theory, design theory, null values, query processing, complexity theory), and of its extensions (graphical representations, NF2-models), conceptual modelling of distributed database management systems and the relationship between logic and databases.