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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1191
Disciplina	005.74
Soggetti	Data structures (Computer science) Software engineering Database management Information storage and retrieval Computer programming Programming languages (Electronic computers) Data Structures and Information Theory Software Engineering/Programming and Operating Systems Database Management Information Storage and Retrieval Programming Techniques Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Planar topological queries (extended abstract) -- An informal introduction to constraint database systems (extended abstract) -- Query evaluation as constraint search; an overview of early results -- Computing the well-founded semantics for constraint extensions of datalog? -- Decomposition and lossless join in constraint databases -- A rule-based CQL for 2-dimensional tables -- On the expressiveness

of query languages with linear constraints; capturing desirable spatial properties -- On expressing topological connectivity in spatial Datalog -- The C 3 constraint object-oriented database system: An overview -- Integrity constraint checking in Chimera -- SICSDD: Techniques and implementation -- A temporal constraint system for object-oriented databases -- Using database versions to implement temporal integrity constraints -- Genomic database applications in DISCO -- Constraint databases and program analysis using abstract interpretation -- Querying indexed files -- On the complexity of BV-tree updates -- Implementing index data structures using constraint logic programming -- Problem solving in the DISCO constraint database system -- Interval domain library for ECLiPSe and its application -- A semantic query optimization algorithm for object-oriented databases.

Sommario/riassunto

This book presents the refereed proceedings of the Second International Workshop on Constraint Database Systems, CDB '97, held in Delphi, Greece, in January 1997 together with some papers presented at the CP '96 Workshop on Constraints and Databases, held in Cambridge, Massachusetts, in August 1996. The 18 revised full papers presented were carefully reviewed and selected for inclusion in the volume; also included are the extended abstract of an invited contribution and two survey papers. The papers are organized in sections on languages, expressiveness of spatial languages, systems, temporal applications, new applications, indexing, constraint programming, and optimization.
