

1. Record Nr.	UNISA996465686103316
Titolo	Theory and Applications of Satisfiability Testing [[electronic resource]] : 7th International Conference, SAT 2004, Vancouver, BC, Canada, May 10-13, 2004, Revised Selected Papers // edited by Holger H. Hoos, David G. Mitchell
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
ISBN	3-540-31580-2
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XIII, 393 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 3542
Disciplina	511.3
Soggetti	Machine theory Algorithms Operating systems (Computers) Numerical analysis Artificial intelligence Mathematical logic Formal Languages and Automata Theory Operating Systems Numerical Analysis Artificial Intelligence Mathematical Logic and Foundations
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	Mapping Problems with Finite-Domain Variables to Problems with Boolean Variables -- Mapping Problems with Finite-Domain Variables to Problems with Boolean Variables -- A SAT-Based Decision Procedure for the Boolean Combination of Difference Constraints -- An Algebraic Approach to the Complexity of Generalized Conjunctive Queries -- Incremental Compilation-to-SAT Procedures -- Resolve and Expand -- Looking Algebraically at Tractable Quantified Boolean Formulas -- Derandomization of Schuler's Algorithm for SAT -- Polynomial Time SAT Decision, Hypergraph Transversals and the Hermitian Rank -- QBF Reasoning on Real-World Instances -- Automatic Extraction of

Functional Dependencies -- Algorithms for Satisfiability Using Independent Sets of Variables -- Aligning CNF- and Equivalence-Reasoning -- Using DPLL for Efficient OBDD Construction -- Approximation Algorithm for Random MAX-kSAT -- Clause Form Conversions for Boolean Circuits -- From Spin Glasses to Hard Satisfiable Formulas -- CirCUs: A Hybrid Satisfiability Solver -- Equivalence Models for Quantified Boolean Formulas -- Search vs. Symbolic Techniques in Satisfiability Solving -- Worst Case Bounds for Some NP-Complete Modified Horn-SAT Problems -- Satisfiability Threshold of the Skewed Random k-SAT -- NiVER: Non-increasing Variable Elimination Resolution for Preprocessing SAT Instances -- Analysis of Search Based Algorithms for Satisfiability of Propositional and Quantified Boolean Formulas Arising from Circuit State Space Diameter Problems -- UBCSAT: An Implementation and Experimentation Environment for SLS Algorithms for SAT and MAX-SAT -- SAT Solver Competition and QBF Solver Evaluation (Invited Papers) -- Fifty-Five Solvers in Vancouver: The SAT 2004 Competition -- March_eq: Implementing Additional Reasoning into an Efficient Look-Ahead SAT Solver -- Zchaff2004: An Efficient SAT Solver -- The Second QBF Solvers Comparative Evaluation.
