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| Titolo | Logic for programming, artificial intelligence, and reasoning : 12th international conference, LPAR 2005, Montego Bay, Jamaica, December 2-6, 2005 : proceedings / / Geoff Sutcliffe, Andrei Voronkov (eds.) |
| Pubbl/distr/stampa | Berlin ; ; New York, : Springer, c2005 |
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| Collana | Lecture notes in computer science, , 0302-9743 ; ; 3835. Lecture notes in artificial intelligence |
| Altri autori (Persone) | SutcliffeGeoff<br>VoronkovA <1959-> (Andrei) |
| Disciplina | 005.1/15 |
| Soggetti | Logic programming<br>Automatic theorem proving<br>Artificial intelligence |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
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| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Independently Checkable Proofs from Decision Procedures: Issues and Progress -- Zap: Automated Theorem Proving for Software Analysis -- Decision Procedures for SAT, SAT Modulo Theories and Beyond. The BarcelogicTools -- Scaling Up: Computers vs. Common Sense -- A New Constraint Solver for 3D Lattices and Its Application to the Protein Folding Problem -- Disjunctive Constraint Lambda Calculi -- Computational Issues in Exploiting Dependent And-Parallelism in Logic Programming: Leftness Detection in Dynamic Search Trees -- The nomore?+?+ Approach to Answer Set Solving -- Optimizing the Runtime Processing of Types in Polymorphic Logic Programming Languages -- The Four Sons of Penrose -- An Algorithmic Account of Ehrenfeucht Games on Labeled Successor Structures -- Second-Order Principles in Specification Languages for Object-Oriented Programs -- Strong Normalization of the Dual Classical Sequent Calculus -- Termination of Fair Computations in Term Rewriting -- On Confluence of Infinitary Combinatory Reduction Systems -- Matching with Regular Constraints -- Recursive Path Orderings Can Also Be Incremental -- Automating Coherent Logic -- The Theorema Environment for Interactive Proof Development -- A First Order Extension of Stålmarck’s |

Method -- Regular Derivations in Basic Superposition-Based Calculi -- On the Finite Satisfiability Problem for the Guarded Fragment with Transitivity -- Deciding Separation Logic Formulae by SAT and Incremental Negative Cycle Elimination -- Monotone AC-Tree Automata -- On the Specification of Sequent Systems -- Verifying and Reflecting Quantifier Elimination for Presburger Arithmetic -- Integration of a Software Model Checker into Isabelle -- Experimental Evaluation of Classical Automata Constructions -- Automatic Validation of Transformation Rules for Java Verification Against a Rewriting Semantics -- Reasoning About Incompletely Defined Programs -- Model Checking Abstract State Machines with Answer Set Programming -- Characterizing Provability in BI's Pointer Logic Through Resource Graphs -- A Unified Memory Model for Pointers -- Treewidth in Verification: Local vs. Global -- Pushdown Module Checking -- Functional Correctness Proofs of Encryption Algorithms -- Towards Automated Proof Support for Probabilistic Distributed Systems -- Algebraic Intruder Deductions -- Satisfiability Checking for PC(ID) -- Pool Resolution and Its Relation to Regular Resolution and DPLL with Clause Learning -- Another Complete Local Search Method for SAT -- Inference from Controversial Arguments -- Programming Cognitive Agents in Defeasible Logic -- The Relationship Between Reasoning About Privacy and Default Logics -- Comparative Similarity, Tree Automata, and Diophantine Equations -- Analytic Tableaux for KLM Preferential and Cumulative Logics -- Bounding Resource Consumption with Gödel-Dummett Logics -- On Interpolation in Existence Logics -- Incremental Integrity Checking: Limitations and Possibilities -- Concepts of Automata Construction from LTL.