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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.)
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Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XIV, 744 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 3835. Lecture notes in artificial intelligence
Altri autori (Persone)	SutcliffeGeoff VoronkovA <1959-> (Andrei)
Disciplina	005.1/15
Soggetti	Logic programming Automatic theorem proving Artificial intelligence
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
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.

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