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Soggetti	Artificial intelligence Machine theory Computer science Software engineering Algorithms Information technology - Management Artificial Intelligence Formal Languages and Automata Theory Computer Science Logic and Foundations of Programming Software Engineering Computer Application in Administrative Data Processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Foundational (Co)datatypes and (Co)recursion for Higher-Order Logic -- Designing Theory Solvers with Extensions -- First-Order Interpolation of Non-Classical Logics Derived from Propositional Interpolation -- A New Description Logic with Set Constraints and Cardinality Constraints on Role Successors -- Interpolation, Amalgamation and Combination (the Non-disjoint Signatures Case) -- Subtropical Satisfiability -- Finiteness of Elementary Unification in Boolean Region Connection Calculus -- Metric Temporal Description Logics with Interval-Rigid Names -- Superposition with Integrated Induction -- The Bernays-Schönfinkel-Ramsey Fragment with Bounded Difference Constraints over the Reals is Decidable -- Decidable

Verification of Decision-Theoretic Golog -- Pushing the Boundaries of Reasoning About Qualified Cardinality Restrictions -- Complexity Analysis for Term Rewriting by Integer Transition Systems -- Using Ontologies to Query Probabilistic Numerical Data -- Merging Fragments of Classical Logic -- On Solving Nominal Fixpoint Equations -- Parallel Closure Theorem for Left-Linear Nominal Rewriting Systems -- Solving SAT and MaxSAT with a Quantum Annealer: Foundations and a Preliminary Report -- The Boolean Solution Problem from the Perspective of Predicate Logic. .

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#### Sommario/riassunto

This book constitutes the proceedings of the 11th International Symposium on Frontiers of Combining Systems, FroCoS 2017, held in Brasília, Bazil, in September 2017. The 17 papers presented in this volume were carefully reviewed and selected from 26 submissions. They were organized in topical sections named: description and temporal logics, decision procedures, decidability and verification, SAT, SMT and automated theorem proving, term rewriting, and properties and combinations of logics. The paper 'Subtropical Satisfiability' is open access under a CC BY 4.0 license via [link.springer.com](http://link.springer.com) .

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