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Disciplina	004
Soggetti	Computer science Software engineering Compilers (Computer programs) Machine theory Coding theory Information theory Theory of Computation Computer Science Logic and Foundations of Programming Software Engineering Compilers and Interpreters Formal Languages and Automata Theory Coding and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Complexity Bounds for Ordinal-Based Termination -- On The Complexity of Bounded Time Reachability for Piecewise Affine Systems -- Reachability and Mortality Problems for Restricted Hierarchical Piecewise Constant Derivatives -- Parameterized Verification of Communicating Automata under Context Bounds -- Regular Strategies in Pushdown Reachability Games -- Parameterized Verification of Graph Transformation Systems with Whole Neighbourhood Operations -- Equivalence Between Model-Checking Flat Counter Systems and Presburger Arithmetic -- Synthesising Succinct Strategies in Safety and

Reachability Games -- Integer Vector Addition Systems with States -- Reachability in MDPs: Refining Convergence of Value Iteration -- On the Expressiveness of Metric Temporal Logic over Bounded Timed Words -- Trace Inclusion for One-Counter Nets Revisited -- Mean-Payoff Games with Partial-Observation -- Parameter Synthesis for Probabilistic Timed Automata Using Stochastic Game Abstractions -- On Functions Weakly Computable by Petri Nets and Vector Addition Systems -- Generalized Craig Interpolation for Stochastic Satisfiability Modulo Theory Problems -- Transformations for Compositional Verification of Assumption-Commitment Properties -- Compositional Reachability in Petri Nets.

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#### Sommario/riassunto

This book constitutes the proceedings of the 8th International Workshop on Reachability Problems, RP 2014, held in Oxford, UK, in September 2014. The 17 papers presented in this volume were carefully reviewed and selected from 25 submissions. The book also contains a paper summarizing the invited talk. The papers offer new approaches for the modelling and analysis of computational processes by combining mathematical, algorithmic, and computational techniques.

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