1. Record Nr.   UNINA9910887816903321

   Titolo   Reachability Problems : 18th International Conference, RP 2024, Vienna, Austria, September 25–27, 2024, Proceedings / / edited by Laura Kovács, Ana Sokolova

   Pubbl/distr/stampa   Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024

   ISBN   3-031-72621-9

   Edizione   [1st ed. 2024.]

   Descrizione fisica   1 online resource (251 pages)

   Collana   Lecture Notes in Computer Science, , 1611-3349 ; ; 15050

   Disciplina   004.0151

   Soggetti   Machine theory
                        Computer science
                        Software engineering
                        Logic programming
                        Algorithms
                        Computer science - Mathematics
                        Formal Languages and Automata Theory
                        Computer Science Logic and Foundations of Programming
                        Software Engineering
                        Logic in AI
                        Design and Analysis of Algorithms
                        Mathematics of Computing

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Nota di contenuto   Invited Papers -- Quantifying Uncertainty in Probabilistic Loops without Sampling: a Fully Automated Approach.-The Satis ability and Validity Problems for Probabilistic CTL.-Computability and Reachability -- Computing Reachable Simulations on Transition Systems -- Computing All Minimal Ways to Reach a Context-Free Language -- On Solving All-Path Reachability Problems for Starvation Freedom of Concurrent Rewrite Systems under Process Fairness -- Automata and Complexity -- Rollercoasters with Plateaus -- Quantum Automata and Languages of Finite Index -- On Shortest Products for Nonnegative Matrix Mortality -- Hardness of Busy Beaver Value BB(15) -- Linear Systems

and Recurrences -- On the Complexity of Reachability and Mortality for Bounded Piecewise Affine Maps -- Semi-Linear VASR for Over-Approximate Semi-Linear System Reachability.-Reachability in Linear Recurrence Automata -- Games and Abstractions -- Robust Deterministic Abstractions for Supervising Discrete-time Continuous Systems -- Markov Decision Processes with Sure Parity and Multiple Reachability Objectives -- Modelling Dynamical Systems: Learning ODEs with No Internal ODE Resolution.

Sommario/riassunto	This book constitutes the proceedings of the 18th International Conference on Reachability Problems, RP 2024, which took place in Vienna, Austria, during September 25–27, 2024. The 13 full papers included in these proceedings were carefully reviewed and selected from 37 submissions. The book also contains two invited talks in full paper length. The contributions in these proceedings cover topics from computability and reachability; automata and complexity; linear systems and recurrences; and games and abstractions.