

1. Record Nr.	UNINA9910717414803321
Titolo	Foundations of Software Science and Computation Structures : 26th International Conference, FoSSaCS 2023, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2023, Paris, France, April 22–27, 2023, Proceedings // edited by Orna Kupferman, Paweł Sobociński
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-30829-8
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xiv, 562 pages) : illustrations (some color)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 13992
Disciplina	005.1
Soggetti	Computer science Theory of Computation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	When Programs Have to Watch Paint Dry -- Deciding contextual equivalence of nu-calculus with effectful contexts -- Kantorovich Functors and Characteristic Logics for Behavioural Distances -- A Logical Framework with Higher-Order Rational (Circular) Terms -- A Higher-Order Language for Markov Kernels and Linear Operators -- A Formal Logic for Formal Category Theory -- A Strict Constrained Superposition Calculus for Graphs -- A programming language characterizing quantum polynomial time -- On the Existential Arithmetics with Addition and Bitwise Minimum -- Coverability in 2-VASS with One Unary Counter is in NP -- On History-Deterministic One-Counter Nets -- Unboundedness problems for machines with reversal-bounded counters -- Reverse Bisimilarity vs. Forward Bisimilarity -- Explainability of Probabilistic Bisimilarity Distances for Labelled Markov Chains -- Weighted and Branching Bisimilarities from Generalized Open Maps -- Preservation and Reflection of Bisimilarity via Invertible Steps -- QuantitativeSafety and Liveness -- On the Comparison of Discounted-Sum Automata with Multiple Discount Factors -- Fast Matching of Regular Patterns with Synchronizing Counting -- Compositional Learning for Interleaving Parallel Automata -- Pebble minimization: the last theorems -- Noetherian topologies

defined via fixed-points -- An Efficient Cyclic Entailment Procedure in a Fragment of Separation Logic -- Just Testing -- Model and Program Repair via Group Actions -- Subgame optimal strategies in finite concurrent games with prefix-independent objectives. .

---

#### Sommario/riassunto

---

This open access book constitutes the proceedings of the 26th International Conference on Foundations of Software Science and Computational Structures, FOSSACS 2023, which was held during April 22-27, 2023, in Paris, France, as part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2023. The 26 regular papers presented in this volume were carefully reviewed and selected from 85 submissions. They deal with research on theories and methods to support the analysis, integration, synthesis, transformation, and verification of programs and software systems.

---