

FSTTCS 2018 Accepted Papers

- [Ramprasad Saptharishi](#) and [Anamay Tengse](#). Quasipolynomial Hitting Sets for Circuits with Restricted Parse Trees
- [Amy Babay](#), [Michael Dinitz](#) and [Zeyu Zhang](#). Characterizing Demand Graphs for (Fixed-Parameter) Shallow-Light Steiner Network
- [Emmanuel Filiot](#), [Olivier Gauwin](#), [Nathan Lhote](#) and Anca Muscholl. On Canonical Models for Rational Functions over Infinite Words
- [Damien Busatto-Gaston](#), [Benjamin Monmege](#) and [Pierre-Alain Reynier](#). Symbolic Approximation of Weighted Timed Games
- Deepanjan Kesh. Space Complexity of Two Adaptive Bitprobe Schemes Storing Three Elements
- [Alessio Mansutti](#). Extending propositional separation logic for robustness properties
- [Ágnes Cseh](#) and [Telikepalli Kavitha](#). Popular Matchings in Complete Graphs
- Sougata Bose, [Anca Muscholl](#), [Vincent Penelle](#) and [Gabriele Puppis](#). Origin-equivalence of two-way word transducers is in PSPACE
- Marc Bagnol and [Denis Kuperberg](#). Büchi Good-for-Games automata are efficiently recognizable
- Bhaskar Ray Chaudhury, Yun Kuen Cheung, [Jugal Garg](#), [Naveen Garg](#), [Martin Hoefler](#) and [Kurt Mehlhorn](#). On Fair Division for Indivisible Items
- [Beatrice Berard](#), [Stefan Haar](#) and [Loic Helouet](#). Hyper Partial Order Logic
- [Kazuyuki Asada](#) and [Naoki Kobayashi](#). Lambda-Definable Order-3 Tree Functions are Well-Quasi-Ordered
- Alexandre Debant, [Stephanie Delaune](#) and Cyrille Wiedling. Proving physical proximity using symbolic models
- Janusz Schmude, Adrien Boiret and Radosław Piórkowski. The “Hilbert Method” for Solving Transducer Equivalence Problems
- [Udi Boker](#) and [Karoliina Lehtinen](#). On The Way to Alternating Weak Automata
- [Gilles Geeraerts](#), [Shibashis Guha](#) and [Jean-Francois Raskin](#). Safe and Optimal Scheduling for Hard and Soft Tasks
- [Markus Bläser](#), [Balagopal Komarath](#) and [Kartek Sreenivasaiah](#). Graph Pattern Polynomials
- Mohsen Alambardar Meybodi, Fedor V. Fomin, Amer E. Mouawad and Fahad Panolan. On the parameterized complexity of $[1, j]$ -domination problems
- [Faried Abu Zaid](#) and [Chris Köcher](#). The Cayley-Graph of the Queue Monoid: Logic and Decidability
- Sumedh Tirodkar. Deterministic Algorithms for Maximum Matching on General Graphs in the Semi-Streaming Model
- Anantha Padmanabha, [R. Ramanujam](#) and [Yanjing Wang](#). Bundled fragments of first order modal logic: (un)decidability
- [Faried Abu Zaid](#). Uniformly Automatic Classes of Finite Structures

- V. Arvind, Abhranil Chatterjee, Rajit Datta and Partha Mukhopadhyay. Univariate Ideal Membership Parameterized by Rank, Degree, and Number of Generators
- Swaroop N P and Vikram Sharma. Stronger Tradeoffs for Orthogonal Range Querying in the Semigroup Model
- [Alain Finkel](#), [Jérôme Leroux](#) and [Grégoire Sutre](#). Reachability for Two-Counter Machines with One Test and One Reset
- Karl Bringmann and Bhaskar Ray Chaudhury. Sketching, Streaming, and Fine-Grained Complexity of (Weighted) LCS
- [Stephane Le Roux](#), [Arno Pauly](#) and [Mickael Randour](#). Extending finite-memory determinacy to Boolean combinations of winning conditions
- [Samir Datta](#), Siddharth Iyer, Raghav Kulkarni and [Anish Mukherjee](#). Shortest k-Disjoint Paths via Determinants
- Bhaskar Ray Chaudhury and Kurt Mehlhorn. Combinatorial Algorithms for General Linear Arrow-Debreu Markets
- Sapna Grover, [Neelima Gupta](#), [Samir Khuller](#) and Aditya Pancholi. Constant factor Approximation Algorithm for Uniform Hard Capacitated Knapsack Median Problem
- Furio Honsell, [Luigi Liquori](#), Claude Stolze and Ivan Scagnetto. The Δ -framework
- [Vincent Penelle](#), Sylvain Salvati and [Grégoire Sutre](#). On the Boundedness Problem for Higher-Order Pushdown Vector Addition Systems
- Siddharth Bhandari, [Praladh Harsha](#), Tulasimohan Molli and [Srikanth Srinivasan](#). On the Probabilistic Degree of OR over the Reals
- Junjie Luo, Hendrik Molter, André Nichterlein and [Rolf Niedermeier](#). Parameterized Dynamic Cluster Editing
- [Elazar Goldenberg](#) and [Karthik C. S.](#). Towards a General Direct Product Testing Theorem
- Balthazar Bauer, Jevgēnijs Vihrovs and Hoeteck Wee. On the Inner Product Predicate and a Generalization of Matching Vector Families
- [Thomas Place](#) and [Marc Zeitoun](#). The complexity of separation for levels in concatenation hierarchies
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- Parosh Abdulla, Mohamed Faouzi Atig, [Krishna S](#) and Shaan Vaidya. Verification of Timed Asynchronous Programs