# References


[1] Maria I. Andreou, Dimitris A. Fotakis, Sotiris E. Nikoletseas, Vicky G. Papadopoulou, and Paul G. Spirakis. On radiocoloring hierarchically specified planar graphs: Pspace-completeness and approximations. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 81–92. 2002.

[2] Ola Angelsmark, Vilhelm Dahllöf, and Peter Jonsson. Finite domain constraint satisfaction using quantum computation. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 93–103. 2002.

[3] Wolfgang W. Bein, Peter Brucker, Lawrence L. Larmore, and James K. Park. Fast algorithms with algebraic monge properties. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 104–117. 2002.

[4] Mihalis Beis, William Duckworth, and Michele Zito. Packing edges in random regular graphs. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 118–130. 2002.

[5] Michel Bidoit, Donald Sannella, and Andrzej Tarlecki. Global development via local observational construction steps. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 1–24. Springer-Verlag, Berlin-Heidelberg-New York-Barcelona-Hong Kong-London-Milan-Paris-Tokyo, 2002.

[6] Beate Bollig and Philipp Woelfel. A lower bound technique for nondeterministic graph-driven read-once-branching programs and its appli-

cations. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 131–142. 2002.

[7] Endre Boros, Khaled Elbassioni, Vladimir Gurvich, and Leonid Khachiyan. Matroid intersections, polymatroid inequalities, and related problems. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 143–154. 2002.

[8] Olivier Carton. Accessibility in automata on scattered linear orderings. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 155–164. 2002.

[9] Didier Caucal. On infinite terms having a decidable monadic theory. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 165–176. 2002.

[10] Didier Caucal and Teodor Knapik. A chomsky-like hierarchy of infinite graphs. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 177–187. 2002.

[11] Wun-Tat Chan, Tak-Wah Lam, Hing-Fung Ting, and Prudence W.H. Wong. Competitive analysis of on-line stream merging algorithms. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 188–200. 2002.

[12] Amin Coja-Oghlan. Coloring $k$-colorable semirandom graphs in polynomial expected time via semidefinite programming. In Krzysztof Diks and

Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 201–211. 2002.

[13] Robert Dąbrowski and Wojtek Plandowski. On word equations in one variable. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 212–220. 2002.

[14] Todd Ebert and Wolfgang Merkle. Autoreducibility of random sets: A sharp bound on the density of guessed bits. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 221–233. 2002.

[15] Joost Engelfriet and Sebastian Maneth. Two-way finite state transducers with nested pebbles. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 234–244. 2002.

[16] Leah Epstein and Lene M. Favrholdt. Optimal non-preemptive semi-online scheduling on two related machines. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 245–256. 2002.

[17] Leah Epstein, Csanád Imreh, and Rob van Stee. More on weighted servers or fifo is better than lru. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 257–268. 2002.

[18] Aleksei V. Fishkin and Guochuan Zhang. On maximizing the throughput of multiprocessor tasks. In Krzysztof Diks and Wojciech Rytter,

editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 269–279. 2002.

[19] Alan Gibbons and Paul Sant. Edge-colouring pairs of binary trees: Towards a concise proof of the four-colour theorem of planar maps. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 25–39. 2002.

[20] Andreas Goerdt and Tomasz Jurdziński. Some results on random unsatisfiable $k$-sat instances and approximation algorithms applied to random structures. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 280–291. 2002.

[21] Richard Groult, Martine Léonard, and Laurent Mouchard. Evolutive tandem repeats using hamming distance. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 292–304. 2002.

[22] MohammadTaghi Hajiaghayi and Naomi Nishimura. Subgraph isomorphism, log -bounded fragmentation and graphs of (locally) bounded treewidth. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 305–318. 2002.

[23] Mika Hirvensalo and Juhani Karhumäki. Computing partial information out of intractable one — the first digit of $2^n$ at base 3 as an example. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 319–327. 2002.

[24] Lucian Ilie and Sheng Yu. Algorithms for computing small nfas. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 328–340. 2002.

[25] Shunsuke Inenaga, Ayumi Shinohara, Masayuki Takeda, Hideo Bannai, and Setsuo Arikawa. Space-economical construction of index structures for all suffixes of a string. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 341–352. 2002.

[26] Kazuo Iwama and Hiroki Morizumi. An explicit lower bound of $5n-o(n)$ for boolean circuits. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 353–364. 2002.

[27] Chuzo Iwamoto, Takeshi Andou, Kenichi Morita, and Katsunobu Imai. Computational complexity in the hyperbolic plane. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 365–374. 2002.

[28] Ryszard Janicki. On a mereological system for relational software specifications. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 375–386. 2002.

[29] Jan Johannsen and N.S. Narayanaswamy. An optimal lower bound for resolution with 2-conjunctions. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 387–398. 2002.

[30] Iyad A. Kanj and Ljubomir Perković. Improved parameterized algorithms for planar dominating set. In Krzysztof Diks and Wojciech

Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 399–410. 2002.

[31] Jan Kára and Daniel Král'. Optimal free binary decision diagrams for computation of $\mathrm{ear}_n$. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 411–422. 2002.

[32] Juhani Karhumäki. Applications of finite automata. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 40–58. 2002.

[33] Marek Karpinski. Approximability of the minimum bisection problem: An algorithmic challenge. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 59–67. 2002.

[34] Ondřej Klíma. Unification modulo associativity and idempotency is *np*-complete. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 423–432. 2002.

[35] Antonín Kučera and Richard Mayr. On the complexity of semantic equivalences for pushdown automata and bpa. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 433–445. 2002.

[36] Orna Kupferman and Sharon Zuhovitzky. An improved algorithm for the membership problem for extended regular expressions. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002*

*(Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 446–458. 2002.

[37] Yaw-Ling Lin, Tao Jiang, and Kun-Mao Chao. Efficient algorithms for locating the length-constrained heaviest segments, with applications to biomolecular sequence analysis. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 459–470. 2002.

[38] Sylvain Lombardy and Jacques Sakarovitch. Derivation of rational expressions with multiplicity. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 471–482. 2002.

[39] Yann Loyer and Nicolas Spyratos. Hypothesis-founded semantics for datalog programs with negation. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 483–494. 2002.

[40] Thomas Lücking, Burkhard Monien, and Manuel Rode. On the problem of scheduling flows on distributed networks. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 495–505. 2002.

[41] Patricia D.L. Machado and Donald Sannella. Unit testing for casl architectural specifications. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 506–518. 2002.

[42] Fabio Martinelli. Symbolic semantics and analysis for crypto-ccs with (almost) generic inference systems. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw,*

*Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 519–531. 2002.

[43] Dániel Marx. The complexity of tree multicolorings. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 532–542. 2002.

[44] Benoît Masson and Ph. Schnoebelen. On verifying fair lossy channel systems. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 543–555. 2002.

[45] Catherine McCartin. Parameterized counting problems. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 556–567. 2002.

[46] Wolfgang Merkle and Nenad Mihailović. On the construction of effective random sets. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 568–580. 2002.

[47] Jochen Messner. On the structure of the simulation order of proof systems. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 581–592. 2002.

[48] Till Mossakowski. Comorphism-based grothendieck logics. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 593–604. 2002.

[49] David Peleg. Low stretch spanning trees. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 68–80. 2002.

[50] Gwenael Richomme and Francis Wlazinski. Finite test-sets for overlap-free morphisms. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 605–614. 2002.

[51] Michel Rigo. Characterizing simpler recognizable sets of integers. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 615–624. 2002.

[52] Till Tantau. Towards a cardinality theorem for finite automata. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 625–636. 2002.

[53] Roger Villemaire. An approximation semantics for the propositional mu-calculus. In Krzysztof Diks and Wojciech Rytter, editors, *Proceedings of the 27th International Symposium on Mathematical Foundations of Computer Science, MFCS'2002 (Warsaw, Poland, August 26-30, 2002)*, volume 2420 of *LNCS*, pages 637–649. 2002.