

References

- [1] Foto Afrati, Christos H. Papadimitriou, George Papageorgiou, Athena Roussou, Yehoshua Sagiv, and Jeffrey D. Ullman. On the convergence of query evaluation. *J. Comput. Syst. Sci.*, 38:341–359, 1989.
- [2] Miklós Ajtai, János Komlós, W.L. Steiger, and Endre Szemerédi. Optimal parallel selection has complexity $o(\log \log n)$. *J. Comput. Syst. Sci.*, 38:125–133, 1989.
- [3] François Bancilhon and Setrag Khoshafian. A calculus for complex objects. *J. Comput. Syst. Sci.*, 38:326–340, 1989.
- [4] David A. Barrington. Bounded-width polynomial-size branching programs recognize exactly those languages in nc^1 . *J. Comput. Syst. Sci.*, 38:150–164, 1989.
- [5] Nicole Bidoit and Richard Hull. Minimalism, justification and non-monotonicity in deductive databases. *J. Comput. Syst. Sci.*, 38:290–325, 1989.
- [6] Jin-Yi Cai. With probability one, a random oracle separates pspace from the polynomial-time hierarchy. *J. Comput. Syst. Sci.*, 38:68–85, 1989.
- [7] Jr. Coffman, E.G. and F.T. Leighton. A provably efficient algorithm for dynamic storage allocation. *J. Comput. Syst. Sci.*, 38:2–35, 1989.
- [8] James R. Driscoll, Neil Sarnak, Daniel D. Sleator, and Robert E. Tarjan. Making data structures persistent. *J. Comput. Syst. Sci.*, 38:86–124, 1989.
- [9] Herbert Edelsbrunner and Leonidas J. Guibas. Topologically sweeping an arrangement. *J. Comput. Syst. Sci.*, 38:165–194, 1989. see Corrigendum in *J. Comput. Syst. Sci.* 42, 249-251.
- [10] Marie-Paule Flé. Serialization of concurrent programs. *J. Comput. Syst. Sci.*, 38:474–493, 1989.
- [11] Zvi Galil, Ravi Kannan, and Endre Szemerédi. On nontrivial separators, for k -page graphs and simulations by nondeterministic one-tape turing machines. *J. Comput. Syst. Sci.*, 38:134–149, 1989.

- [12] Thanasis Hadzilacos and Mihalis Yannakakis. Deleting completed transactions. *J. Comput. Syst. Sci.*, 38:360–379, 1989.
- [13] Joseph Y. Halpern and Moshe Y. Vardi. The complexity of reasoning about knowledge and time i. lower bounds. *J. Comput. Syst. Sci.*, 38:195–237, 1989.
- [14] Juraj Hromkovič, Katsushi Inoue, and Itsuo Takanami. Lower bounds for language recognition on two-dimensional alternating multihead machines. *J. Comput. Syst. Sci.*, 38:431–451, 1989.
- [15] Oscar H. Ibarra, Tao Jiang, and Jik H. Chang. On iterative and cellular tree arrays. *J. Comput. Syst. Sci.*, 38:452–473, 1989.
- [16] Heikki Mannila and Kari-Jouko Rähkä. Automatic generation of test data for relational queries. *J. Comput. Syst. Sci.*, 38:240–258, 1989.
- [17] Jeffrey F. Naughton. Data independent recursion in deductive databases. *J. Comput. Syst. Sci.*, 38:259–289, 1989.
- [18] Frank Olken and Doron Rotem. Rearranging data to maximize the efficiency of compression. *J. Comput. Syst. Sci.*, 38:405–430, 1989.
- [19] Victor Pan and John Reif. Fast and efficient solution of path algebra problems. *J. Comput. Syst. Sci.*, 38:494–510, 1989.
- [20] Craig A. Rich. Positive relativizations of the $p = ?np$ problem. *J. Comput. Syst. Sci.*, 38:511–523, 1989.
- [21] Yehoshua Sagiv and Oded Shmueli. A characterization of finite fd-acyclicity. *J. Comput. Syst. Sci.*, 38:380–404, 1989.
- [22] Mihalis Yannakakis. Embedding planar graphs in four pages. *J. Comput. Syst. Sci.*, 38:36–67, 1989.