

A Complete Bibliography of Publications in the *ACM
Symposia on Theory of Computing (STOC)* for
1980–1989

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Title word cross-reference

2 [Mil84]. $2n$ [BJ85]. 3 [Blu89, Yao83]. =
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 K [Ko88, CSY84, GKS86]. l [DGS88]. n
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 GR85, Gon84, Gre82, GS88, HV86, HV88,
 Imm82, Iwa83, JY81, KCV83, Kar84, KT80,
 KLD86, Ko88, KS88b, KPU88, LM83,
 LMR86, PSS80, RS81, RV83, Spi83, TV86,
 Tom80b, Ukk80, Vai85, Vit82, Yao82, Yap80].
time-multiplexed [Iwa83].
time-randomness [KPU88]. **Time-space**
 [Ja'80, Bea89, BC80]. **Time-space-optimal**
 [GS81]. **time-stamp** [DS89]. **times**
 [CRRS89]. **tolerance** [DPPU86, Fel85].
tolerant [BOW88, BS88, BFDS84, DHSS84].
Topological [Sto83b]. **Topologically**
 [EG86]. **topology** [KS89]. **tossing** [CV86].
tradeoff
 [Bea89, Blu84, BC80, KPU88, PU88, Yao82].

Tradeoffs
 [Agg85, LTT89, Ja'80, Vai85, Yap80].
Trading [Bab85, BKRU89].
transcendental [KLL84]. **transfer**
 [AUY83, Kil88]. **transformations** [JM85].
Transition
 [dBMOZ85a, Ger84, dBMOZ85b].
Transitive [Spi83, Tom80b]. **translating**
 [GY80]. **trapdoor** [BM88]. **traversal**
 [BRT89]. **traversing** [Ist88]. **treatment**
 [Iwa83, Pnu83]. **tree** [Awe87, BL82, FP80].
Trees [GH82, BO83, Ber86, Cla84, Cul85,
 Fre83, Har84, HVY81, JWR81, Kin81, MT82,
 Nis89, PRS81, ST81, ST83]. **triangulating**
 [TV86]. **triangulations** [STT86].
triconnectivity [MR87]. **trivalent** [FSS83].
truncated [HS85]. **Turing** [GKS86, ITT82,
 Maa84, MSS87, Sim81, Vit82]. **twelfth**
 [ACM80]. **twentieth** [ACM88]. **twenty**
 [ACM89]. **twenty-first** [ACM89]. **Two**
 [ABH⁺86, Ber86, DS87, DG82, DPGR83,
 ITT82, MSS87, PSS88, Tom80b, AM84,
 BDFP83, DG81, FadHRW85, LMR86,
 Mun87, VV85b, Vaz85]. **Two-dimensional**
 [ITT82]. **two-processor** [VV85b]. **two-way**
 [DG81]. **typed** [BL85]. **types** [GPS89].

Unary [KCV83]. **Unbounded** [CFL83a].
uncertainty [HMM85]. **unconditionally**
 [CD88]. **undirected** [BKRU89, SNS85].
unexpected [BJL⁺84]. **Uniform**
 [Kal86, dR84, dBMOZ85a, KL80b, Val89,
 dBMOZ85b]. **union** [BS85, GT83, LN88].
Unique [Che81, Iwa83, Bea89, VV85a].
Universal [NY89, VB81, BRT89, Ist88].
university [SS89]. **unprovability** [LN88].
update [ST84]. **updates** [Cul85]. **updating**
 [Fre83, FS84]. **upper** [VS85]. **ups**
 [GT88a, Vis84]. **Using**
 [AK88, HL89, RS89b, Vaz87, Yao80].

valence [FSS83]. **value** [Bus87]. **Vapnik**
 [BEHW86]. **variables**
 [Che81, HS85, LMR86]. **Vector**

[Str80, Huy85, Kos82]. **Vegas** [MS82].
Verifiable [RBO89]. **Verifying** [KMK89].
Version [AK82, DG81, FP80, FJ80, Gre82, HS82, JWR81, JY80, Kos82, MT82, PKR82, Pip80, Pip82, RS82, Sim81, PSS80, Tom80a].
versus [GS86, HSI83, SvEB84]. **vertex** [BYE82]. **via** [CW87]. **Virtual** [AC88].
VLSI [Agg85, ACR88, AUY83, BP84, Blu84, Car82, CM81, Kis82, Lei82, LM85, LS81, MS82, Mir84, Sie86, Yao81a]. **volume** [DF89, FB86]. **Voronoi** [AGSS87, GS83].

Washington [ACM84, ACM89]. **way** [DG81, Ger84, GL89, IR89, ILL89, KLD86, Lev85, NY89]. **weak** [JY81]. **weight** [Awe87]. **weighted** [SPR80]. **which** [HS80, Imm83, Lei82, Tom80b, Vai87].
White [Wil85, KS88a]. **whose** [AM84].
width [Bar86, BDFP83]. **wire** [Tom80a].
wire-routing [Tom80a]. **wiring** [DKS⁺81].
Wisconsin [ACM81]. **within** [PW89, RS81].
Work [KLMR89, BK89, GS88].
Work-preserving [KLMR89]. **write** [Bea86, Bop89, DMMU84, RS82].
write-once [DMMU84, RS82].

York [ACM87].

Zero [FFS87, BFM88, CK89, For87, GMS84, HMT88b]. **zero-knowledge** [BFM88, For87].
zero-one [CK89, GMS84].

References

Aggarwal:1987:RNA

[AA87] A. Aggarwal and R. Anderson. A random NC algorithm for depth first search. In ACM [ACM87], pages 325–334. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/>

[AACS87]

stoc/28395/p325-aggarwal/ ; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p325-aggarwal/p325-aggarwal.pdf>. ACM order no. 508870.

Aggarwal:1987:MHM

A. Aggarwal, B. Alpern, A. Chandra, and M. Snir. A model for hierarchical memory. In ACM [ACM87], pages 305–314. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p305-aggarwal/> ; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p305-aggarwal/p305-aggarwal.pdf>. ACM order no. 508870.

Aggarwal:1989:PDF

[AAK89]

A. Aggarwal, R. J. Anderson, and M.-Y. Kao. Parallel depth-first search in general directed graphs. In ACM [ACM89], pages 297–308. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p297-aggarwal/p297-aggarwal.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p297-aggarwal/>. ACM order no. 508890.

Ajtai:1986:TLB

[ABH⁺86]

M. Ajtai, L. Babai, P. Hajnal, J. Komlos, and P. Pudlak. Two lower bounds for branching programs. In ACM [ACM86],

- pages 30–38. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p30-ajtai/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p30-ajtai/p30-ajtai.pdf>. ACM order no. 508860. [AC88]
- Alon:1989:CRC**
- [ABNLP89a] N. Alon, A. Bar-Noy, N. Linial, and D. Peleg. On the complexity of radio communication. In ACM [ACM89], pages 274–285. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p274-alon/p274-alon.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p274-alon/>. ACM order no. 508890. [AC89]
- Awerbuch:1989:CDD**
- [ABNLP89b] B. Awerbuch, A. Bar-Noy, N. Linial, and D. Peleg. Compact distributed data structures for adaptive routing. In ACM [ACM89], pages 479–489. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p479-awerbuch/p479-awerbuch.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p479-awerbuch/>. ACM order no. 508890. [ACM80]
- Ajtai:1984:TPC**
- [ABO84] Miklos Ajtai and Michael Ben-Or. A theorem on probabilistic constant depth Computations. In ACM [ACM84], pages 471–474. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Aggarwal:1988:VMA**
- Alok Aggarwal and Ashok Chandra. Virtual memory algorithms. In ACM [ACM88], pages 173–185. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p173-aggarwal/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p173-aggarwal/p173-aggarwal.pdf>. ACM order no. 508880.
- Afrati:1989:ERR**
- F. Afrati and S. S. Cosmadakis. Expressiveness of restricted recursive queries. In ACM [ACM89], pages 113–126. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p113-afrati/p113-afrati.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p113-afrati/>. ACM order no. 508890.
- ACM:1980:CPT**
- ACM, editor. *Conference proceedings of the twelfth annual ACM Symposium on Theory of Computing: papers presented at the symposium, Los Angeles, California, April 28–30, 1980.*

- ACM Press, New York, NY, USA, 1980. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [ACM81] ACM, editor. *Conference proceedings of the Thirteenth Annual ACM Symposium on Theory of Computing: papers presented at the Symposium, Milwaukee, Wisconsin, May 11–13, 1981*. ACM Press, New York, NY, USA, 1981. ISBN 0-89791-041-9 (paperback). LCCN ????. ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [ACM82] ACM, editor. *Proceedings of the fourteenth annual ACM Symposium on Theory of Computing, San Francisco, California, May 5–7, 1982*. ACM Press, New York, NY, USA, 1982. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [ACM83] ACM, editor. *Proceedings of the fifteenth annual ACM Symposium on Theory of Computing, Boston, Massachusetts, April 25–27, 1983*. ACM Press, New York, NY, USA, 1983. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [ACM84] ACM, editor. *Proceedings of the sixteenth annual ACM Symposium on Theory of Computing, Washington, DC, April 30–May 2, 1984*. ACM Press, New York, NY, USA, 1984. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [ACM85] ACM, editor. *Proceedings of the seventeenth annual ACM Symposium on Theory of Computing, Providence, Rhode Island, May 6–8, 1985*. ACM Press, New York, NY, USA, 1985. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. ACM order no. 508850.
- [ACM86] ACM, editor. *Proceedings of the Eighteenth annual ACM Symposium on Theory of Computing, Berkeley, California, May 28–30, 1986*. ACM Press, New York, NY, USA, 1986. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. ACM order no. 508860.
- [ACM87] ACM, editor. *Proceedings of the nineteenth annual ACM Symposium on Theory of Computing, New York City, May 25–27, 1987*. ACM Press, New York, NY, USA, 1987. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. ACM order no. 508870.

ACM:1984:PSA**ACM:1981:CPT****ACM:1985:PSA****ACM:1982:PFA****ACM:1986:PEA****ACM:1983:PFA****ACM:1987:PNA**

- ACM:1988:PTA**
- [ACM88] ACM, editor. *Proceedings of the twentieth annual ACM Symposium on Theory of Computing, Chicago, Illinois, May 2–4, 1988*. ACM Press, New York, NY, USA, 1988. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. ACM order no. 508880.
- ACM:1989:PTF**
- [ACM89] ACM, editor. *Proceedings of the twenty-first annual ACM Symposium on Theory of Computing, Seattle, Washington, May 15–17, 1989*. ACM Press, New York, NY, USA, 1989. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. ACM order no. 508890.
- Aggarwal:1988:ECV**
- [ACR88] Alok Aggarwal, Ashok Chandra, and Prabhakar Raghavan. Energy consumption in VLSI circuits. In ACM [ACM88], pages 205–216. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p205-aggarwal/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p205-aggarwal/p205-aggarwal.pdf>. ACM order no. 508880.
- aufderHeide:1983:PLS**
- [adH83] Friedhelm Meyer auf der Heide. A polynomial linear search algorithm for the n -dimensional knapsack problem. In ACM [ACM83], pages 70–
79. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Adleman:1983:BGK**
- [Adl83] Leonard M. Adleman. On breaking generalized knapsack public key cryptosystems. In ACM [ACM83], pages 402–412. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Aharoni:1985:DIL**
- [AEL85] R. Aharoni, P. Erdős, and N. Linial. Dual integer linear programs and the relationship between their optima. In ACM [ACM85], pages 476–483. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p476-aharoni/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p476-aharoni/p476-aharoni.pdf>. ACM order no. 508850.
- Abadi:1987:HIO**
- [AFK87] M. Abadi, J. Feigenbaum, and J. Kilian. On hiding information from an oracle. In ACM [ACM87], pages 195–203. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p195-abadi/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p195-abadi/p195-abadi.pdf>. ACM order no. 508870.

- [AFL81] **Arjomandi:1981:DEB** Eshrat Arjomandi, Michael J. Fischer, and Nancy A. Lynch. A difference in efficiency between synchronous and asynchronous systems. In ACM [ACM81], pages 128–132. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3. [AH82]
- [Agg85] **Aggarwal:1985:TVM** A. Aggarwal. Tradeoffs for VLSI models with subpolynomial delay. In ACM [ACM85], pages 59–68. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p59-aggarwal/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p59-aggarwal/p59-aggarwal.pdf>. ACM order no. 508850. [AIK81]
- [AGSS87] **Aggarwal:1987:LTA** A. Aggarwal, L. Guibas, J. Saxe, and P. Shor. A linear time algorithm for computing the Voronoi diagram of a convex polygon. In ACM [ACM87], pages 39–45. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p39-aggarwal/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p39-aggarwal/p39-aggarwal.pdf>. ACM order no. 508870. [AIS84]
- Asano:1982:EDE** Takao Asano and Tomio Hirata. Edge-deletion and edge-contraction problems. In ACM [ACM82], pages 245–254. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Adleman:1987:RPR** L. Adleman and M. Huang. Recognizing primes in random polynomial time. In ACM [ACM87], pages 462–469. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p462-adleman/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p462-adleman/p462-adleman.pdf>. ACM order no. 508870.
- Adachi:1981:LLC** Akeo Adachi, Shigeki Iwata, and Takumi Kasai. Low level complexity for combinatorial games. In ACM [ACM81], pages 228–237. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- Awerbuch:1984:FEC** B. Awerbuch, A. Israeli, and Y. Shiloach. Finding Euler circuits in logarithmic parallel time. In ACM [ACM84], pages 249–257. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.

- [AK82] **Atallah:1982:GPM**
Mikhail J. Atallah and S. Rao Kosaraju. Graph problems on a mesh-connected processor array (preliminary version). In ACM [ACM82], pages 345–353. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [AK88] **Adleman:1988:USA**
Leonard Adleman and Kireeti Kompella. Using smoothness to achieve parallelism. In ACM [ACM88], pages 528–538. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p528-adleman/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p528-adleman/p528-adleman.pdf>. ACM order no. 508880. [AL86]
- [AKS83] **Ajtai:1983:SN**
M. Ajtai, J. Komlós, and E. Szemerédi. An $O(n \log n)$ sorting network. In ACM [ACM83], pages 1–9. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [AKS87] **Ajtai:1987:DSL**
M. Ajtai, J. Komlos, and E. Szemerédi. Deterministic simulation in LOGSPACE. In ACM [ACM87], pages 132–140. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p132-ajtai/>;
- <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p132-ajtai/p132-ajtai.pdf>. ACM order no. 508870.
- [AKSS86] **Ajtai:1986:DSL**
M. Ajtai, J. Komlos, W. L. Steiger, and E. Szemerédi. Deterministic selection in $O(\log \log N)$ parallel time. In ACM [ACM86], pages 188–195. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p188-ajtai/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p188-ajtai/p188-ajtai.pdf>. ACM order no. 508860.
- Adleman:1986:FIP**
L. M. Adleman and H. W. Lenstra. Finding irreducible polynomials over finite fields. In ACM [ACM86], pages 350–355. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p350-adleman/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p350-adleman/p350-adleman.pdf>. ACM order no. 508860.
- Allender:1987:SCE**
E. Allender. Some consequences of the existence of pseudorandom generators. In ACM [ACM87], pages 151–159. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/>

- stoc/28395/p151-allender/
; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p151-allender/p151-allender.pdf>. ACM order no. 508870. [And85]
- Alon:1985:ESR**
- [Alo85] N. Alon. Expanders, sorting in rounds and superconcentrators of limited depth. In ACM [ACM85], pages 98–102. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p98-alon/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p98-alon/p98-alon.pdf>. ACM order no. 508850. [Ang80]
- Alt:1984:CAF**
- [Alt84] Helmut Alt. Comparison of arithmetic functions with respect to boolean circuit depth. In ACM [ACM84], pages 466–470. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. [AUY83]
- Adler:1984:SAW**
- [AM84] Ilan Adler and Nimrod Megiddo. A simplex algorithm whose average number of steps is bounded between two quadratic functions of the smaller dimension. In ACM [ACM84], pages 312–323. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. [Awe84]
- Anderson:1985:PAM**
- R. Anderson. A parallel algorithm for the maximal path problem. In ACM [ACM85], pages 33–37. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p33-anderson/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p33-anderson/p33-anderson.pdf>. ACM order no. 508850.
- Angluin:1980:LGP**
- Dana Angluin. Local and global properties in networks of processors (extended abstract). In ACM [ACM80], pages 82–93. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Aho:1983:NIT**
- Alfred V. Aho, Jeffrey D. Ullman, and Mihalis Yannakakis. On notions of information transfer in VLSI circuits. In ACM [ACM83], pages 133–139. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Awerbuch:1984:ENS**
- Baruch Awerbuch. An efficient network synchronization protocol. In ACM [ACM84], pages 522–525. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.

- Awerbuch:1987:ODA**
- [Awe87] B. Awerbuch. Optimal distributed algorithms for minimum weight spanning tree, counting, leader election, and related problems. In ACM [ACM87], pages 230–240. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p230-awerbuch/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p230-awerbuch/p230-awerbuch.pdf>. ACM order no. 508870. [Bac82]
- Awerbuch:1989:RDS**
- [Awe89] B. Awerbuch. Randomized distributed shortest paths algorithms. In ACM [ACM89], pages 490–500. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p490-awerbuch/p490-awerbuch.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p490-awerbuch/>. ACM order no. 508890. [Bac87]
- Babai:1985:TGT**
- [Bab85] L. Babai. Trading group theory for randomness. In ACM [ACM85], pages 421–429. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p421-babai/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p421-babai/p421-babai.pdf>. ACM order no. 508850. [Bar86]
- Bach:1982:FAU**
- Eric Bach. Fast algorithms under the Extended Riemann Hypothesis: A concrete estimate. In ACM [ACM82], pages 290–295. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Bach:1983:HGR**
- Eric Bach. How to generate random integers with known factorization. In ACM [ACM83], pages 184–188. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Bach:1987:RAS**
- E. Bach. Realistic analysis of some randomized algorithms. In ACM [ACM87], pages 453–461. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p453-bach/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p453-bach/p453-bach.pdf>. ACM order no. 508870.
- Barrington:1986:BWP**
- D. A. Barrington. Bounded-width polynomial-size branching programs recognize exactly those languages in NC¹. In ACM [ACM86], pages 1–5. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p1-barrington/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p1-barrington/p1-barrington.pdf>. ACM order no. 508860.

- stoc/12130/p1-barrington/
; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p1-barrington/p1-barrington.pdf>. ACM order no. 508860.
- Blumer:1984:BCI**
- [BBE⁺84] A. Blumer, J. Blumer, A. Ehrenfeucht, D. Haussler, and R. McConnell. Building a complete inverted file for a set of text files in linear time. In ACM [ACM84], pages 349–358. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Baker:1983:AAM**
- [BBL83] Brenda S. Baker, Sandeep N. Bhatt, and Frank Thomson Leighton. An approximation algorithm for Manhattan routing. In ACM [ACM83], pages 477–486. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Borodin:1980:TST**
- [BC80] A. Borodin and S. Cook. A time-space tradeoff for sorting on a general sequential model of computation. In ACM [ACM80], pages 294–301. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Bhatt:1988:OSB**
- [BCHR88] Sandeep Bhatt, Fan Chung, Jia-Wei Hong, and Arnold Rosenberg. Optimal simulations by Butterfly Networks. In ACM [ACM88], pages 192–204. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p192-bhatt/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p192-bhatt/p192-bhatt.pdf>. ACM order no. 508880.
- Ben-David:1989:TAC**
- [BDCG89] S. Ben-David, B. Chor, and O. Goldreich. On the theory of average case complexity. In ACM [ACM89], pages 204–216. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p204-ben-david/p204-ben-david.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p204-ben-david/>. ACM order no. 508890.
- Boyce:1982:FEP**
- [BDDG82] James E. Boyce, David P. Dobkin, Robert L. (Scot) Drysdale, and Leo J. Guibas. Finding extremal polygons. In ACM [ACM82], pages 282–289. ISBN 0-89791-070-2. LCCN QA75.5.A14 1982. ACM order no. 508820.
- Borodin:1983:BWT**
- [BDFP83] Allan Borodin, Danny Dolev, Faith E. Fich, and Wolfgang Paul. Bounds for width two branching programs. In ACM [ACM83], pages 87–93. ISBN 0-89791-099-0. LCCN

- QA75.5.A14 1983. ACM order no. 508830.
- [Bea86] P. Beame. Limits on the power of concurrent-write parallel machines. In ACM [ACM86], pages 169–176. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p169-beame/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p169-beame/p169-beame.pdf>. ACM order no. 508860.
- [Bea89] P. Beame. A general sequential time-space tradeoff for finding unique elements. In ACM [ACM89], pages 197–203. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p197-beame/p197-beame.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p197-beame/>. ACM order no. 508890.
- [BEHW86] A. Blumer, A. Ehrenfeucht, D. Haussler, and M. Warmuth. Classifying learnable geometric concepts with the Vapnik–Chervonenkis dimension. In ACM [ACM86], pages 273–282. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p273-blumer/>;
- [Ber86] M. W. Bern. Two probabilistic results on rectilinear Steiner trees. In ACM [ACM86], pages 433–441. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p433-bern/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p433-bern/p433-bern.pdf>. ACM order no. 508860.
- [BFDS84] Andrei Broder, Michael Fischer, Danny Dolev, and Barbara Simons. Efficient fault tolerant routings in networks. In ACM [ACM84], pages 536–541. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [BFF85] B. Bollobás, T. I. Fenner, and A. M. Frieze. An algorithm for finding Hamilton cycles in random graphs. In ACM [ACM85], pages 430–439. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p430-bollobas/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p430-bollobas/p430->

Beame:1986:LPC**Bern:1986:TPR****Beame:1989:GST****Broder:1984:EFT****Blumer:1986:CLG****Bollobas:1985:AFH**

bollobas.pdf. ACM order no. 508850.

Baker:1985:SPT

- [BFG85] B. S. Baker, S. Fortune, and E. Grosse. Stable prehension with three fingers. In ACM [ACM85], pages 114–120. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p114-baker/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p114-baker/p114-baker.pdf>. ACM order no. 508850. [BGM82]

Beeri:1981:PAD

- [BFM⁺81] Catriel Beeri, Ronald Fagin, David Maier, Alberto Mendelson, Jeffrey Ullman, and Michalis Yannakakis. Properties of acyclic database schemes. In ACM [ACM81], pages 355–362. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3. [BGSV89]

Blum:1988:NIZ

- [BFM88] Manuel Blum, Paul Feldman, and Silvio Micali. Non-interactive zero-knowledge and its applications. In ACM [ACM88], pages 103–112. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p103-blum/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p103-blum/p103-blum.pdf>. ACM order no. 508820. [BH87]

blum/p103-blum.pdf. ACM order no. 508880.

Babai:1982:IGB

László Babai, D. Yu. Grigoryev, and David M. Mount. Isomorphism of graphs with bounded eigenvalue multiplicity. In ACM [ACM82], pages 310–324. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.

Berkman:1989:HPP

O. Berkman, Z. Galil, B. Schieber, and U. Vishkin. Highly parallelizable problems. In ACM [ACM89], pages 309–319. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p309-berkman/p309-berkman.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p309-berkman/>. ACM order no. 508890.

Borodin:1982:RMS

A. Borodin and J. E. Hopcroft. Routing, merging and sorting on parallel models of computation. In ACM [ACM82], pages 338–344. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820. [BH82]

Beame:1987:OBD

P. Beame and J. Håstad. Optimal bounds for decision problems on the CRCW PRAM. In ACM [ACM87], pages 83–93. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13

1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p83-beame/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p83-beame/p83-beame.pdf>. ACM [BK80] order no. 508870.
- Birget:1989:PCR**
- [Bir89] J.-C. Birget. Proof of a conjecture of R. Kannan. In ACM [ACM89], pages 445–453. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p445-birget/p445-birget.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p445-birget/>. ACM [BK89] order no. 508890.
- Bent:1985:FMR**
- [BJ85] S. W. Bent and J. W. John. Finding the median requires $2n$ comparisons. In ACM [ACM85], pages 213–216. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p213-bent/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p213-bent/p213-bent.pdf>. ACM order no. 508850.
- Bentley:1984:SUE**
- [BJL⁺84] J. L. Bentley, D. S. Johnson, F. T. Leighton, C. C. McGeoch, and L. A. McGeoch. Some unexpected expected behavior results for bin packing. In ACM [ACM84], pages 279–288. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Brent:1980:CCB**
- R. P. Brent and H. T. Kung. The chip complexity of binary arithmetic. In ACM [ACM80], pages 190–200. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Blum:1989:DPC**
- M. Blum and S. Kanna. Designing programs that check their work. In ACM [ACM89], pages 86–97. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p86-blum/p86-blum.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p86-blum/>. ACM order no. 508890.
- Barringer:1984:NYM**
- Howard Barringer, Ruurd Kuiper, and Amir Pnueli. Now you may compose temporal logic specifications. In ACM [ACM84], pages 51–63. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Broder:1989:TST**
- A. Z. Broder, A. R. Karlin, P. Raghavan, and E. Ufal. Trading space for time in undirected s - t connectivity. In ACM [ACM89], pages

- 543–549. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p543-broder/p543-broder.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p543-broder/>. ACM order no. 508890. [Blo80]
- [BL82] Sandeep N. Bhatt and Charles E. Leiserson. How to assemble tree machines (extended abstract). In ACM [ACM82], pages 77–84. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820. [BLS87a]
- [BL83] László Babai and Eugene M. Luks. Canonical labeling of graphs. In ACM [ACM83], pages 171–183. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830. [BLS87b]
- [BL85] K. B. Bruce and G. Longo. Provable isomorphisms and domain equations in models of typed languages. In ACM [ACM85], pages 263–272. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p263-bruce/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p263-bruce/p263-bruce.pdf>. ACM order no. 508850. [Blu83]
- Bloniarz:1980:SPA**
- Peter Bloniarz. A shortest-path algorithm with expected time $O(n^2 \log n \log^* n)$. In ACM [ACM80], pages 378–384. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Babai:1987:PGN**
- L. Babai, E. Luks, and A. Seress. Permutation groups in NC. In ACM [ACM87], pages 409–420. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p409-babai/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p409-babai/p409-babai.pdf>. ACM order no. 508870.
- Borodin:1987:OOA**
- A. Borodin, N. Linial, and M. Saks. An optimal online algorithm for metrical task systems. In ACM [ACM87], pages 373–382. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p373-borodin/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p373-borodin/p373-borodin.pdf>. ACM order no. 508870.
- Blum:1983:HES**
- Manuel Blum. How to exchange (secret) keys. In ACM [ACM83],

- pages 440–447. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Blum:1984:AME**
- [Blu84] Norbert Blum. An area-maximum edge length trade-off for VLSI layout. In ACM [ACM84], pages 92–97. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Blum:1989:AAC**
- [Blu89] A. Blum. An $O(n^{0.4})$ -approximation algorithm for 3-coloring. In ACM [ACM89], pages 535–542. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p535-blum/p535-blum.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p535-blum/>. ACM order no. 508890.
- Bellare:1988:HSG**
- [BM88] Mihir Bellare and Silvio Micali. How to sign given any trapdoor function. In ACM [ACM88], pages 32–42. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p32-bellare/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p32-bellare/p32-bellare.pdf>. ACM order no. 508880.
- Bertoni:1981:CCF**
- [BMS81] Alberto Bertoni, Giancarlo Mauri, and Nicoletta Sabadini. A characterization of the class of functions computable in polynomial time on Random Access Machines. In ACM [ACM81], pages 168–176. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- Bach:1984:SDP**
- [BMS84] Eric Bach, Gary Miller, and Jeffrey Shallit. Sums of divisors, perfect numbers, and factoring. In ACM [ACM84], pages 183–190. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Babai:1989:MPL**
- L. Babai and N. Nisan. Multiparty protocols and logspace-hard pseudorandom sequences. In ACM [ACM89], pages 1–11. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p1-babai/p1-babai.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p1-babai/>. ACM order no. 508890.
- Ben-Or:1983:LBA**
- Michael Ben-Or. Lower bounds for algebraic computation trees. In ACM [ACM83], pages 80–86. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.

- Ben-Or:1988:DAS**
- [BO88] Michael Ben-Or. A deterministic algorithm for sparse multivariate polynomial interpolation. In ACM [ACM88], pages 301–309. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p301-ben-or/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p301-ben-or/p301-ben-or.pdf>. ACM order no. 508880.
- Ben-Or:1983:CSS**
- [BOCS83] Michael Ben-Or, Benny Chor, and Adi Shamir. On the cryptographic security of single RSA bits. In ACM [ACM83], pages 421–430. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Ben-Or:1986:FPA**
- [BOFKT86] M. Ben-Or, E. Feig, D. Kozen, and P. Tiwari. A fast parallel algorithm for determining all roots of a polynomial with real roots. In ACM [ACM86], pages 340–349. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p340-ben-or/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p340-ben-or/p340-ben-or.pdf>. ACM order no. 508860.
- Ben-Or:1988:MPI**
- [BOGKW88] Michael Ben-Or, Shafi Goldwasser, Joe Kilian, and Avi Wigderson. Multi-prover interactive proofs: how to remove intractability. In ACM [ACM88], pages 113–131. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p113-ben-or/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p113-ben-or/p113-ben-or.pdf>. ACM order no. 508880.
- Ben-Or:1984:CEA**
- [BOKR84] Michael Ben-Or, Dexter Kozen, and John Reif. The complexity of elementary algebra and geometry. In ACM [ACM84], pages 457–464. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Boppana:1984:TFB**
- [Bop84] Ravi B. Boppana. Threshold functions and bounded depth monotone circuits. In ACM [ACM84], pages 475–479. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Boppana:1989:OSB**
- [Bop89] R. B. Boppana. Optimal separations between concurrent-write parallel machines. In ACM [ACM89], pages 320–326. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p320-boppana/p320-boppana.pdf>; <http://www.acm.org/pubs/citations/proceedings/>

- stoc/73007/p320-boppana/.
ACM order no. 508890. [Bra85]
- [BOW88] Michael Ben-Or and Avi Wigderson. Completeness theorems for non-cryptographic fault-tolerant distributed computation. In ACM [ACM88], pages 1–10. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p1-ben-or/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p1-ben-or/p1-ben-or.pdf>. ACM order no. 508880. [Bro80]
- [BP84] G. Bilardi and F. P. Preparata. A minimum area VLSI network for $O(\log n)$ time sorting. In ACM [ACM84], pages 64–70. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. [Bro86]
- [BP87] G. Bilardi and F. P. Preparata. Size-time complexity of Boolean networks for prefix computations. In ACM [ACM87], pages 436–442. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p436-bilardi/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p436-bilardi/p436-bilardi.pdf>. ACM order no. 508870. [BRT89]
- [Bracha:1985:ERR] G. Bracha. An $O(\lg n)$ expected rounds randomized Byzantine generals protocol. In ACM [ACM85], pages 316–326. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p316-bracha/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p316-bracha/p316-bracha.pdf>. ACM order no. 508850.
- [Brown:1980:KSA] Donna J. Brown. Kraft storage and access for list implementations(extended abstract). In ACM [ACM80], pages 100–107. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [Broder:1986:HHI] A. Z. Broder. How hard is it to marry at random? ($O(n)$ the approximation of the permanent). In ACM [ACM86], pages 50–58. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p50-broder/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p50-broder/p50-broder.pdf>. ACM order no. 508860.
- [Borodin:1989:LBL] A. Borodin, W. L. Ruzzo, and

- M. Tompa. Lower bounds on the length of universal traversal sequences. In ACM [ACM89], pages 562–573. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p562-borodin/p562-borodin.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p562-borodin/>. [Bsh89] ACM order no. 508890.
- Buss:1984:PPG**
- [BS84] Jonathan F. Buss and Peter W. Shor. On the pagenumber of planar graphs. In ACM [ACM84], pages 98–100. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Bollobas:1985:EBD**
- [BS85] B. Bollobás and I. Simon. On the expected behavior of disjoint set union algorithms. [BT87] In ACM [ACM85], pages 224–231. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p224-bollobas/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p224-bollobas/p224-bollobas.pdf>. ACM order no. 508850.
- Berman:1988:IFT**
- [BS88] Piotr Berman and János Simon. Investigations of fault-tolerant networks of computers. In ACM [ACM88], pages 66–77. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p66-berman/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p66-berman/p66-berman.pdf>. ACM order no. 508880.
- Bshouty:1989:EDS**
- N. H. Bshouty. On the extended direct sum conjecture. In ACM [ACM89], pages 177–185. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p177-bshouty/p177-bshouty.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p177-bshouty/>. ACM order no. 508890.
- Barrington:1987:FMF**
- D. Barrington and D. Thérien. Finite monoids and the fine structure of NC^1 . In ACM [ACM87], pages 101–109. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p101-barrington/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p101-barrington/p101-barrington.pdf>. ACM order no. 508870.
- Buss:1985:PHF**
- S. R. Buss. The polynomial hierarchy and fragments of bounded arithmetic. In ACM [ACM85], pages 285–

290. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p285-buss/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p285-buss/p285-buss.pdf>. ACM order no. 508850. **Buss:1987:BFV**
- [Bus87] S. R. Buss. The Boolean formula value problem is in ALOG-TIME. In ACM [ACM87], pages 123–131. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p123-buss/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p123-buss/p123-buss.pdf>. ACM order no. 508870. **Bar-Yehuda:1982:AVC**
- [BYE82] R. Bar-Yehuda and S. Even. On approximating a vertex cover for planar graphs. In ACM [ACM82], pages 303–309. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820. **Chazelle:1980:DET**
- [Cai86] J. Y. Cai. With probability one, a random oracle separates PSPACE from the polynomial-time hierarchy. In ACM [ACM86], pages 21–29. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p21-cai/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p21-cai/p21-cai.pdf>. ACM order no. 508860. **Canny:1988:SAG**
- John Canny. Some algebraic and geometric computations in PSPACE. In ACM [ACM88], pages 460–469. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p460-canny/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p460-canny/p460-canny.pdf>. ACM order no. 508880. **Carter:1982:TST**
- J. Lawrence Carter. The theory of signature testing for VLSI. In ACM [ACM82], pages 66–76. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820. **Chazelle:1980:DET**
- Bernard Chazelle and David P. Dobkin. Detection is easier than computation (extended abstract). In ACM [ACM80], pages 146–153. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800. **Cook:1982:BTP**
- Stephen Cook and Cynthia Dwork. Bounds on the time for parallel RAM's to compute simple functions. In ACM [ACM82], pages 231–233. ISBN

- 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Chaum:1988:MUS**
- [CD88] David Chaum and Iva Damgard. [CEGS89] Multiparty unconditionally secure protocols. In ACM [ACM88], pages 11–19. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p11-chaum/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p11-chaum/p11-chaum.pdf>. ACM order no. 508880.
- Coan:1985:DFS**
- [CDDS85] B. A. Coan, D. Dolev, C. Dwork, and L. Stockmeyer. The distributed firing squad problem. In ACM [ACM85], pages 335–345. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p335-coan/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p335-coan/p335-coan.pdf>. ACM order no. 508850.
- Chazelle:1987:CCC**
- [CEG87] B. Chazelle, H. Edelsbrunner, and L. Guibas. The complexity of cutting convex polytypes. In ACM [ACM87], pages 66–76. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL [http://www.acm.org/pubs/](http://www.acm.org/pubs/citations/proceedings/stoc/28395/p66-chazelle/) [articles/proceedings/stoc/28395/p66-chazelle/p66-chazelle.pdf](http://www.acm.org/pubs/articles/proceedings/stoc/28395/p66-chazelle/p66-chazelle.pdf). ACM order no. 508870.
- Chazelle:1989:LSC**
- B. Chazelle, H. Edelsbrunner, L. Guibas, and M. Sharir. Lines in space-combinators, algorithms and applications. In ACM [ACM89], pages 382–393. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p382-chazelle/p382-chazelle.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p382-chazelle/>. ACM order no. 508890.
- Chandra:1983:UFC**
- Ashok K. Chandra, Steven Fortune, and Richard Lipton. Unbounded fan-in circuits and associative functions. In ACM [ACM83], pages 52–60. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Chandra:1983:MPP**
- Ashok K. Chandra, Merrick L. Furst, and Richard J. Lipton. Multi-party protocols. In ACM [ACM83], pages 94–99. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Cosmadakis:1988:DOP**
- Stavros Cosmadakis, Haim Gaifman, Paris Kanellakis,

- and Moshe Vardi. Decidable optimization problems for database logic programs. In [Che81] ACM [ACM88], pages 477–490. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p477-cosmadakis/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p477-cosmadakis/p477-cosmadakis.pdf>. ACM order no. 508880.
- [CH81] Karel Culik and Tero Harju. The ω -sequence equivalence problem for DOL systems is decidable. In ACM [ACM81], pages 1–6. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Cha81] Bernard M. Chazelle. Convex decompositions of polyhedra. In ACM [ACM81], pages 70–79. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Cha84] Bernard Chaselle. Intersecting is easier than sorting. In ACM [ACM84], pages 125–134. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. [CK85]
- [Che81] Paul Chew. Unique normal forms in term rewriting systems with repeated variables. In ACM [ACM81], pages 7–18. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [CHMP81] Ashok Chandra, Joe Halpern, Albert Meyer, and Rohit Parikh. Equations between regular terms and an application to process logic. In ACM [ACM81], pages 384–390. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [CHS85] F. R. Chung, D. J. Hajela, and P. D. Seymour. Self-organizing sequential search and Hilbert’s inequalities. In ACM [ACM85], pages 217–223. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p217-chung/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p217-chung/p217-chung.pdf>. ACM order no. 508850.
- [Cosmadakis:1985:ETD] S. S. Cosmadakis and P. C. Kanellakis. Equational theo-

- ries and database constraints. In ACM [ACM85], pages 273–284. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p273-cosmadakis/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p273-cosmadakis/p273-cosmadakis.pdf>. ACM order no. 508850. [Cla85]
- Chor:1989:ZOL**
- [CK89] B. Chor and E. Kushilevitz. A zero-one law for Boolean privacy. In ACM [ACM89], pages 62–72. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p62-chor/p62-chor.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p62-chor/>. ACM order no. 508890. [Cla86]
- Coffman:1986:PEA**
- [CL86] E. G. Coffman and F. T. Leighton. A provably efficient algorithm for dynamic storage allocation. In ACM [ACM86], pages 77–90. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p77-coffman/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p77-coffman/p77-coffman.pdf>. ACM order no. 508860. [Cla87]
- Clarkson:1984:FET**
- [Cla84] Kenneth L. Clarkson. Fast expected-time and approximation algorithms for geometric minimum spanning trees. In ACM [ACM84], pages 342–348. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. **Clarkson:1985:PAP**
- K. Clarkson. A probabilistic algorithm for the post office problem. In ACM [ACM85], pages 175–184. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p175-clarkson/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p175-clarkson/p175-clarkson.pdf>. ACM order no. 508850. **Clarkson:1986:FAR**
- K. L. Clarkson. Further applications of random sampling to computational geometry. In ACM [ACM86], pages 414–423. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p414-clarkson/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p414-clarkson/p414-clarkson.pdf>. ACM order no. 508860. **Clarkson:1987:AAS**
- K. Clarkson. Approximation algorithms for shortest path motion planning. In ACM [ACM87], pages 56–65.

- ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p56-clarkson/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p56-clarkson/p56-clarkson.pdf>. ACM order no. 508870.
- [Cleve:1986:LSC] [CM81] R. Cleve. Limits on the security of coin flips when half the processors are faulty. In ACM [ACM86], pages 364–369. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p364-cleve/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p364-cleve/p364-cleve.pdf>. ACM [CM84] order no. 508860.
- [Cleve:1988:CAF] [CM89] Richard Cleve. Computing algebraic formulas with a constant number of registers. In ACM [ACM88], pages 254–257. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p254-cleve/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p254-cleve/p254-cleve.pdf>. ACM order no. 508880.
- [Chandra:1981:EID] [CLM81] Ashok K. Chandra, Harry R. Lewis, and Johann A. Makowsky. Embedded implicational dependencies and their inference problem. In ACM [ACM81], pages 342–354. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Chazelle:1981:MCV] Bernard Chazelle and Louis Monier. A model of computation for VLSI with related complexity results. In ACM [ACM81], pages 318–325. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Cunto:1984:ACS] Walter Cunto and J. Ian Munro. Average case selection. In ACM [ACM84], pages 369–375. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [Cohen:1989:SPT] E. Cohen and N. Megiddo. Strongly polynomial-time and NC algorithms for detecting cycles in dynamic graphs. In ACM [ACM89], pages 523–534. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p523-cohen/p523-cohen.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p523-cohen/>. ACM order no. 508890.

- [Cop84] **Coppersmith:1984:ELG**
 Don Coppersmith. Evaluating logarithms in $GF(2^n)$. In ACM [ACM84], pages 201–207. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [CRRS89] **Chandra:1989:ERG** [CSY84]
 A. K. Chandra, P. Raghavan, W. L. Ruzzo, and R. Smolensky. The electrical resistance of a graph captures its commute and cover times. In ACM [ACM89], pages 574–586. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p574-chandra/p574-chandra.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p574-chandra/>. ACM order no. 508890.
- [CS80] **Carlson:1980:GPM**
 David A. Carlson and John E. Savage. Graph pebbling with many free pebbles can be difficult. In ACM [ACM80], pages 326–332. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [CSW85] **Carter:1985:CBS**
 L. Carter, L. Stockmeyer, and M. Wegman. The complexity of backtrack searches. In ACM [ACM85], pages 449–457. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p449-carter/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p449-carter/p449-carter.pdf>. ACM order no. 508850.
- Cole:1984:HRP**
 Richard Cole, Micha Sharir, and Chee K. Yap. On k -hulls and related problems. In ACM [ACM84], pages 154–166. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Cook:1989:FIF** [CU89]
 S. Cook and A. Urquhart. Functional interpretations of feasibly constructive arithmetic. In ACM [ACM89], pages 107–112. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p107-cook/p107-cook.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p107-cook/>. ACM order no. 508890.
- Culberson:1985:EUB** [Cul85]
 J. C. Culberson. The effect of updates in binary search trees. In ACM [ACM85], pages 205–212. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p205-culberson/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p205-culberson/p205-culberson.pdf>.

- culberson.pdf. ACM order no. 508850.
- Cole:1986:DCT**
- [CV86] R. Cole and U. Vishkin. Deterministic coin tossing and accelerating cascades: micro and macro techniques for designing parallel algorithms. In ACM [ACM86], pages 206–219. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p206-cole/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p206-cole/p206-cole.pdf>. ACM order no. 508860.
- Courcoubetis:1986:RAF**
- [CVW86] C. Courcoubetis, M. Y. Vardi, and P. Wolper. Reasoning about fair concurrent programs. In ACM [ACM86], pages 283–294. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p283-courcoubetis/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p283-courcoubetis/p283-courcoubetis.pdf>. ACM order no. 508860.
- Coppersmith:1987:MMA**
- [CW87] D. Coppersmith and S. Winograd. Matrix multiplication via arithmetic progressions. In ACM [ACM87], pages 1–6. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p1-coppersmith/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p1-coppersmith/p1-coppersmith.pdf>. ACM order no. 508870.
- Cypher:1980:AKP**
- [Cyp80] Allen Cypher. An approach to the k paths problem. In ACM [ACM80], pages 211–217. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Bakker:1985:TSI**
- [dBMOZ85a] J. W. de Bakker, J. J. Meyer, E. R. Olderog, and J. I. Zucker. Transition systems, infinitary languages and the semantics of uniform concurrency. In ACM [ACM85], pages 252–262. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL http://www.acm.org/pubs/citations/proceedings/stoc/22145/p252-de_bakker/; http://www.acm.org/pubs/articles/proceedings/stoc/22145/p252-de_bakker/p252-de_bakker.pdf. ACM order no. 508850.
- deBakker:1985:TSI**
- [dBMOZ85b] J. W. de Bakker, J. J. Meyer, E. R. Olderog, and J. I. Zucker. Transition systems, infinitary languages and the semantics of uniform concurrency. In ACM [ACM85], pages 252–262. ISBN 0-89791-151-2 (pa-

- perback). LCCN QA 76.6 A13 1985. ACM order no. 508850.
- deBakker:1982:DSC**
- [dBZ82] J. W. de Bakker and J. I. Zucker. Denotational semantics of concurrency. In ACM [ACM82], pages 153–158. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Dolev:1983:SGG**
- [DDPW83] Danny Dolev, Cynthia Dwork, Nicholas Pippenger, and Avi Wigderson. Superconcentrators, generalizers and generalized connectors with limited depth. In ACM [ACM83], pages 42–51. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Dobkin:1986:PCP**
- [DEY86] D. Dobkin, H. Edelsbrunner, and C. K. Yap. Probing convex polytopes. In ACM [ACM86], pages 424–432. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p424-dobkin/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p424-dobkin/p424-dobkin.pdf>. ACM order no. 508860.
- Driscoll:1983:DPG**
- [DF83] James R. Driscoll and Merrick L. Furst. On the diameter of permutation groups. In ACM [ACM83], pages 152–160. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Dyer:1989:RPT**
- [DF89] M. Dyer and A. Frieze. A random polynomial time algorithm for approximating the volume of convex bodies. In ACM [ACM89], pages 375–381. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p375-dyer/p375-dyer.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p375-dyer/>. ACM order no. 508890.
- deFrasysseix:1988:SSS**
- [dFPP88] Hubert de Fraysseix, János Pach, and Richard Pollack. Small sets supporting fary embeddings of planar graphs. In ACM [ACM88], pages 426–433. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL http://www.acm.org/pubs/articles/proceedings/stoc/62212/p426-de_fraysseix/p426-de_fraysseix.pdf; http://www.acm.org/pubs/citations/proceedings/stoc/62212/p426-de_fraysseix/. ACM order no. 508880.
- Duris:1981:FTW**
- [DG81] Pavol Dūriš and Zvi Galil. Fooling a two-way automaton or one pushdown store is better than one counter for two way machines (preliminary version). In ACM [ACM81], pages 177–188. ISBN 0-89791-041-9 (pa-

- perback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [DG82] **Duris:1982:TTB** Pavol Dūriš and Zvi Galil. Two tapes are better than one for nondeterministic machines. In ACM [ACM82], pages 1–7. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [DGS84] **Duris:1984:LBC** Pavol Duris, Zvi Galil, and Georg Schnitger. Lower bounds on communication complexity. In ACM [ACM84], pages 81–91. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [DGS88] **Dolev:1988:TNA** Danny Dolev, Eli Gafni, and Nir Shavit. Toward a non-atomic era: l -exclusion as a test case. In ACM [ACM88], pages 78–92. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p78-dolev/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p78-dolev/p78-dolev.pdf>. ACM order no. 508880.
- [DHS84] **Dolev:1984:PIA** Danny Dolev, Joe Halpern, and H. Raymond Strong. On the possibility and impossibility of achieving clock synchronization. In ACM [ACM84], pages 504–511. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [DHSS84] **Dolev:1984:NLF** Danny Dolev, Joe Halpern, Barbara Simons, and Ray Strong. A new look at fault tolerant network routing. In ACM [ACM84], pages 526–535. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [Die82] **Dietz:1982:MOL** Paul F. Dietz. Maintaining order in a linked list. In ACM [ACM82], pages 122–127. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [DKS⁺81] **Dolev:1981:OWB** Danny Dolev, Kevin Karplus, Alan Siegel, Alex Strong, and Jeffrey D. Ullman. Optimal wiring between rectangles. In ACM [ACM81], pages 312–317. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [DL80] **DeMillo:1980:CPE** Richard A. DeMillo and Richard J. Lipton. The consistency of “P = NP”, and related problems with fragments of number theory. In ACM [ACM80], pages 45–57. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00)

- to members). ACM order no. 508800.
- [DLM82] Richard A. DeMillo, Nancy A. Lynch, and Michael J. Merritt. Cryptographic protocols. In ACM [ACM82], pages 383–400. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [DM84] Pierpaolo Degano and Ugo Montanari. Liveness properties as convergence in metric spaces. In ACM [ACM84], pages 31–38. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [DMMU84] Danny Dolev, David Maier, Ilarry Mairson, and Jeffrey Ullman. Correcting faults in write-once memory. In ACM [ACM84], pages 225–229. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [DPGR83] Pavol Dūriš, Wolfgang Paul, Zvi Galil, and Ruediger Reischuk. Two nonlinear lower bounds. In ACM [ACM83], pages 127–132. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [DPPU86] C. Dwork, D. Peleg, N. Pippenger, and E. Upfal. Fault tolerance in networks of bounded degree. In ACM [ACM86], pages 370–379. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p370-dwork/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p370-dwork/p370-dwork.pdf>. ACM order no. 508860.
- [dR84] Michel de Rougemont. Uniform definability on finite structures with successor. In ACM [ACM84], pages 409–417. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [DS82] Danny Dolev and H. Raymond Strong. Polynomial algorithms for multiple processor agreement. In ACM [ACM82], pages 401–407. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [DS87] P. Dietz and D. Sleator. Two algorithms for maintaining order in a list. In ACM [ACM87], pages 365–372. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p365-dietz/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p365-dietz/p365-dietz.pdf>. ACM order no. 508870.

- [DS89] **Dolev:1989:BCT**
 D. Dolev and N. Shavit. Bounded concurrent timestamp systems are constructible. In ACM [ACM89], pages 454–466. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p454-dolev/p454-dolev.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p454-dolev/>. ACM order no. 508890.
- [DSST86] **Driscoll:1986:MDS** [EH82]
 J. R. Driscoll, N. Sarnak, D. D. Sleator, and R. E. Tarjan. Making data structures persistent. In ACM [ACM86], pages 109–121. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p109-driscoll/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p109-driscoll/p109-driscoll.pdf>. ACM order no. 508860. [EM80]
- [DT83] **Dymond:1983:SDM**
 Patrick W. Dymond and Martin Tompa. Speedups of deterministic machines by synchronous parallel machines. In ACM [ACM83], pages 336–343. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830. [Eng83]
- [EG86] **Edelsbrunner:1986:TSA**
 H. Edelsbrunner and L. J. Guibas. Topologically sweeping an arrangement. In ACM [ACM86], pages 389–403. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p389-edelsbrunner/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p389-edelsbrunner/p389-edelsbrunner.pdf>. ACM order no. 508860.
- Emerson:1982:DPE**
 E. Allen Emerson and Joseph Y. Halpern. Decision procedures and expressiveness in the temporal logic of branching time. In ACM [ACM82], pages 169–180. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Ehrig:1980:CIL**
 Hartmut Ehrig and Bernd Mahr. Complexity of implementations on the level of algebraic specifications. In ACM [ACM80], pages 281–293. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Engelfriet:1983:IPA**
 Joost Engelfriet. Iterated push-down automata and complexity classes. In ACM [ACM83], pages 365–373. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.

- Emerson:1984:DBT**
- [ES84] E. Allen Emerson and A. Prasad Sistla. Deciding branching time logic. In ACM [ACM84], pages 14–24. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Fich:1985:OTT**
- [FadHRW85] F. E. Fich, F. Meyer auf der Heide, P. Ragde, and A. Wigderson. One, two, three ... infinity: lower bounds for parallel computation. In ACM [ACM85], pages 48–58. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p48-fich/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p48-fich/p48-fich.pdf>. ACM order no. 508850. [Fei83]
- Fagin:1980:HCD**
- [Fag80] Ronald Fagin. Horn clauses and database dependencies (extended abstract). In ACM [ACM80], pages 123–134. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Furedi:1986:CVD**
- [FB86] Z. Furedi and I. Barany. Computing the volume is difficult. In ACM [ACM86], pages 442–447. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p442-furedi/>. ACM order no. 508860.
- Feder:1989:NFP**
- [Fed89] T. Feder. A new fixed point approach for stable networks stable marriages. In ACM [ACM89], pages 513–522. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p513-feder/p513-feder.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p513-feder/>. ACM order no. 508890.
- Feidman:1983:DPP**
- Yishai A. Feidman. A decidable propositional probabilistic dynamic logic. In ACM [ACM83], pages 298–309. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Feldman:1985:FTM**
- [Fel85] P. Feldman. Fault tolerance of minimal path routings in a network. In ACM [ACM85], pages 327–334. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p327-feldman/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p327-feldman/p327-feldman.pdf>. ACM order no. 508850.

- [FFP86] **Feldman:1986:NBN** P. Feldman, J. Friedman, and N. Pippenger. Non-blocking networks. In ACM [ACM86], pages 247–254. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p247-feldman/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p247-feldman/p247-feldman.pdf>. ACM order no. 508860. [FH82] [Fic81]
- [FFS87] **Fiege:1987:ZKP** U. Fiege, A. Fiat, and A. Shamir. Zero knowledge proofs of identity. In ACM [ACM87], pages 210–217. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p210-fiege/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p210-fiege/p210-fiege.pdf>. ACM order no. 508870. [Fic83] [FJ80]
- [FG88] **Feder:1988:OAA** Tomás Feder and Daniel Greene. Optimal algorithms for approximate clustering. In ACM [ACM88], pages 434–444. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p434-feder/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p434-feder/p434-feder.pdf>. ACM order no. 508880. [FK84]
- Feldman:1982:PDL** Yishai A. Feldman and David Harel. A probabilistic dynamic logic. In ACM [ACM82], pages 181–195. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Fich:1981:LBC** Faith E. Fich. Lower bounds for the cycle detection problem. In ACM [ACM81], pages 96–105. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- Fich:1983:NBP** Faith E. Fich. New bounds for parallel prefix circuits. In ACM [ACM83], pages 100–109. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Frederickson:1980:GSR** Greg N. Frederickson and Donald B. Johnson. Generalized selection and ranking (preliminary version). In ACM [ACM80], pages 420–428. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Franzblau:1984:ACR** Deborah S. Franzblau and Daniel J. Kleitman. An algorithm for constructing regions with rectangles: Independence and minimum generating sets

- for collections of intervals. In ACM [ACM84], pages 167–174. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [FKS89] J. Friedman, J. Kahn, and E. Szemerédi. On the second eigenvalue of random regular graphs. In ACM [ACM89], pages 587–598. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p587-friedman/p587-friedman.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p587-friedman/>. ACM order no. 508890.
- [FL84] Greg N. Frederickson and Nancy A. Lynch. The impact of synchronous communication on the problem of electing a leader in a ring. In ACM [ACM84], pages 493–503. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [FL89] M. R. Fellows and M. A. Langston. On search decision and the efficiency of polynomial-time algorithms. In ACM [ACM89], pages 501–512. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p501-fellows/p501-fellows.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p501-fellows/>. ACM order no. 508890.
- [FM80] I. S. Filotti and Jack N. Mayer. A polynomial-time algorithm for determining the isomorphism of graphs of fixed genus. In ACM [ACM80], pages 236–243. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [FM88] Paul Feldman and Silvio Micali. Optimal algorithms for Byzantine agreement. In ACM [ACM88], pages 148–161. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p148-feldman/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p148-feldman/p148-feldman.pdf>. ACM order no. 508880.
- [FN89] A. Fiat and M. Noar. Implicit $O(1)$ probe search. In ACM [ACM89], pages 336–344. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p336-fiat/p336-fiat.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p336-fiat/>. ACM order no. 508890.

- Fiat:1988:SSM**
- [FNS⁺88] Amos Fiat, Moni Naor, Alexandro Schäffer, Jeanette Schmidt, and Alan Siegel. Storing and searching a multikey table. In ACM [ACM88], pages 344–353. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p344-fiat/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p344-fiat/p344-fiat.pdf>. ACM order no. 508880. [FP80]
- Fiat:1988:NOH**
- [FNSS88] Amos Fiat, Moni Naor, Jeanette Schmidt, and Alan Siegel. Non-oblivious hashing. In ACM [ACM88], pages 367–376. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p367-fiat/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p367-fiat/p367-fiat.pdf>. ACM order no. 508880. [Fre83]
- Fortnow:1987:CPZ**
- [For87] L. Fortnow. The complexity of perfect zero-knowledge. In ACM [ACM87], pages 204–209. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p204-fortnow/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p204-fortnow/p204-fortnow.pdf>. ACM order no. 508870. [Fischer:1980:OTL]
- Michael J. Fischer and Michael S. Paterson. Optimal tree layout (preliminary version). In ACM [ACM80], pages 177–189. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Friedl:1985:PTS**
- [FR85] K. Friedl and L. Rónyai. Polynomial time solutions of some problems of computational algebra. In ACM [ACM85], pages 153–162. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p153-friedl/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p153-friedl/p153-friedl.pdf>. ACM order no. 508850.
- Frederickson:1983:DSL**
- Greg N. Frederickson. Data structures for on-line updating of minimum spanning trees. In ACM [ACM83], pages 252–257. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Frederickson:1987:NAA**
- G. N. Frederickson. A new approach to all pairs shortest paths in planar graphs. In ACM [ACM87], pages 19–28. ISBN 0-89791-221-7 (pa-

- perback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p19-frederickson/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p19-frederickson/p19-frederickson.pdf>. ACM order no. 508870. [FSS83]
- Frederickson:1984:DSL**
- [FS84] Greg N. Frederickson and Man-dayam A. Srinivas. Data structures for on-line updating of matroid intersection solutions. In ACM [ACM84], pages 383–390. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. [FT85]
- Fortnow:1989:PCL**
- [FS89a] L. Fortnow and M. Sipser. Probabilistic computation and linear time. In ACM [ACM89], pages 148–156. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p148-fortnow/p148-fortnow.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p148-fortnow/>. ACM order no. 508890. [Für82]
- Fredman:1989:CPC**
- [FS89b] M. Fredman and M. Saks. The cell probe complexity of dynamic data structures. In ACM [ACM89], pages 345–354. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p345-fredman/p345-fredman.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p345-fredman/>. ACM order no. 508890. **Furer:1983:NFT**
- Martin Fürer, Walter Schnyder, and Ernst Specker. Normal forms for trivalent graphs and graphs of bounded valence. In ACM [ACM83], pages 161–170. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830. **Fich:1985:PCE**
- F. E. Fich and M. Tompa. The parallel complexity of exponentiating polynomials over finite fields. In ACM [ACM85], pages 38–47. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p38-fich/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p38-fich/p38-fich.pdf>. ACM order no. 508850. **Furer:1982:TDT**
- Martin Fürer. The tight deterministic time hierarchy. In ACM [ACM82], pages 8–16. ISBN 0-89791-070-2. LCCN QA75.5.A14 1982. ACM order no. 508820. **Furer:1987:PRC**
- M. Furer. The power of randomness for communication complexity. In ACM [ACM87], pages 178–181. ISBN 0-89791-221-7 (paperback). LCCN QA

- 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p178-furer/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p178-furer/p178-furer.pdf>. ACM order no. 508870. **Fagin:1985:ISM**
- [FV85] R. Fagin and M. Y. Vardi. An internal semantics for modal logic. In ACM [ACM85], pages 305–315. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p305-fagin/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p305-fagin/p305-fagin.pdf>. ACM order no. 508850. **Fortune:1988:PCM**
- [FW88] Steven Fortune and Gordon Wilfong. Planning constrained motion. In ACM [ACM88], pages 445–459. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p445-fortune/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p445-fortune/p445-fortune.pdf>. ACM order no. 508880. **Gabow:1983:ERT**
- [Gab83] Harold N. Gabow. An efficient reduction technique for degree-constrained subgraph and bidirected network flow problems. In ACM [ACM83], pages 448–456. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830. **Gacs:1983:RCC**
- Péter Gács. Reliable computation with cellular automata. In ACM [ACM83], pages 32–41. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830. **Galil:1984:OPA**
- Zvi Galil. Optimal parallel algorithms for string matching. In ACM [ACM84], pages 240–248. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. **Gabow:1984:SRT**
- Harold N. Gabow, Jon Louis Bentley, and Robert E. Tarjan. Scaling and related techniques for geometry problems. In ACM [ACM84], pages 135–143. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. **Gerth:1984:TLH**
- Rob Gerth. Transition logic: How to reason about temporal properties in a compositional way. In ACM [ACM84], pages 39–50. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. **Goodman:1985:SE**
- [GGMM85] J. Goodman, A. G. Greenberg, N. Madras, and P. March. On the stability of the Ethernet. In ACM [ACM85], pages 379–387. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13

1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p379-goodman/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p379-goodman/p379-goodman.pdf>. ACM order no. 508850. [GL89]
- Gurevich:1982:TAG**
- [GH82] Yuri Gurevich and Leo Harrington. Trees, automata, and games. In ACM [ACM82], pages 60–65. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Goldwasser:1986:AAP**
- [GK86] S. Goldwasser and J. Kilian. Almost all primes can be quickly certified. In ACM [ACM86], pages 316–329. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. [GM81]
URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p316-goldwasser/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p316-goldwasser/p316-goldwasser.pdf>. ACM order no. 508860.
- Galil:1986:NSP**
- [GKS86] Z. Galil, R. Kannan, and E. Szemerédi. On nontrivial separators for k -page graphs and simulations by nondeterministic one-tape Turing machines. In ACM [ACM86], pages 39–49. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. [GM82]
URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p39-galil/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p39-galil/p39-galil.pdf>. ACM order no. 508860. [MR85]
- Goldreich:1989:HCP**
- O. Goldreich and L. A. Levin. A hard-core predicate for all one-way functions. In ACM [ACM89], pages 25–32. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p25-goldreich/p25-goldreich.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p25-goldreich/>. ACM order no. 508890.
- Gonnet:1981:LPS**
- Gaston H. Gonnet and J. Ian Munro. A linear probing sort and its analysis (preliminary draft). In ACM [ACM81], pages 90–95. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- Goldwasser:1982:PEH**
- Shafi Goldwasser and Silvio Micali. Probabilistic encryption & how to play mental poker keeping secret all partial information. In ACM [ACM82], pages 365–377. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Goldwasser:1985:KCI**
- S. Goldwasser, S. Micali, and C. Rackoff. The knowl-

- edge complexity of interactive proof-systems. In ACM [ACM85], pages 291–304. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p291-goldwasser/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p291-goldwasser/p291-goldwasser.pdf>. ACM order no. 508850. [Gol87]
- Goldberg:1984:FES**
- [GMS84] A. V. Goldberg and A. Marchetti-Spaccamela. On finding the exact solution of a zero-one knapsack problem. In ACM [ACM84], pages 359–368. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. [Gon84]
- Goldreich:1987:HPM**
- [GMW87] O. Goldreich, S. Micali, and A. Wigderson. How to play ANY mental game. In ACM [ACM87], pages 218–229. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p218-goldreich/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p218-goldreich/p218-goldreich.pdf>. ACM order no. 508870. [GP81]
- Goldwasser:1983:SSS**
- [GMY83] Shafi Goldwasser, Silvio Micali, and Andy Yao. Strong signature schemes. In ACM [ACM83], pages 431–439. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830. [Goldreich:1987:TTS]
- O. Goldreich. Towards a theory of software protection and simulation by oblivious RAMs. In ACM [ACM87], pages 182–194. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p182-goldreich/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p182-goldreich/p182-goldreich.pdf>. ACM order no. 508870. [Gonnet:1984:DEE]
- Gaston H. Gonnet. Determining equivalence of expressions in random polynomial time. In ACM [ACM84], pages 334–341. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. [Galil:1981:EGP]
- Zvi Galil and Wolfgang J. Paul. An efficient general purpose parallel computer. In ACM [ACM81], pages 247–262. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3. [Goldberg:1987:PSB]
- A. Goldberg, S. Plotkin, and G. Shannon. Parallel symmetry-breaking in sparse graphs. In

- ACM [ACM87], pages 315–324. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 [Gre82] 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p315-goldberg/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p315-goldberg/p315-goldberg.pdf>. ACM order no. 508870.
- [GPS89] J. E. Goodman, R. Pollack, and B. Sturmfels. Coordinate representation of order types requires exponential storage. In ACM [ACM89], pages 405–410. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p405-goodman/p405-goodman.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p405-goodman/>. ACM order no. 508890.
- [GR85] P. Gács and J. Reif. A simple three-dimensional real-time cellular array. In ACM [ACM85], pages 388–395. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p388-gacs/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p388-gacs/p388-gacs.pdf>. ACM order no. 508850.
- [Greenberg:1982:TCB] Albert G. Greenberg. On the time complexity of broadcast communication schemes (preliminary version). In ACM [ACM82], pages 354–364. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [Galil:1981:TSO] Zvi Galil and Joel Seiferas. Time-space-optimal string matching (preliminary report). In ACM [ACM81], pages 106–113. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Guibas:1983:PMG] Leo J. Guibas and Jorge Stolfi. Primitives for the manipulation of general subdivisions and the computation of Voronoi diagrams. In ACM [ACM83], pages 221–234. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [Goldberg:1985:CR] A. Goldberg and M. Sipser. Compression and ranking. In ACM [ACM85], pages 440–448. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p440-goldberg/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p440-goldberg/p440-goldberg.pdf>.

goldberg.pdf. ACM order no. 508850.

Goldwasser:1986:PCV

- [GS86] S. Goldwasser and M. Sipser. [GT86] Private coins versus public coins in interactive proof systems. In ACM [ACM86], pages 59–68. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p59-goldwasser/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p59-goldwasser/p59-goldwasser.pdf>. ACM order no. 508860.

Gurevich:1988:NLT

- [GS88] Yuri Gurevich and Saharon [GT87] Shelah. Nondeterministic linear tasks may require substantially nonlinear deterministic time in the case of sublinear work space. In ACM [ACM88], pages 281–289. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p281-gurevich/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p281-gurevich/p281-gurevich.pdf>. ACM order no. 508880.

Gabow:1983:LTA

- [GT83] Harold N. Gabow and Robert [GT88a] En-dre Tarjan. A linear-time algorithm for a special case of disjoint set union. In ACM [ACM83], pages 246–251. ISBN 0-89791-099-0. LCCN

QA75.5.A14 1983. ACM order no. 508830.

Goldberg:1986:NAM

A. V. Goldberg and R. E. Tarjan. A new approach to the maximum flow problem. In ACM [ACM86], pages 136–146. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p136-goldberg/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p136-goldberg/p136-goldberg.pdf>. ACM order no. 508860.

Goldberg:1987:SMC

A. Goldberg and R. Tarjan. Solving minimum-cost flow problems by successive approximation. In ACM [ACM87], pages 7–18. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p7-goldberg/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p7-goldberg/p7-goldberg.pdf>. ACM order no. 508870.

Gabow:1988:AOS

Harold Gabow and Robert Tarjan. Almost-optimum speed-ups of algorithms for bipartite matching and related problems. In ACM [ACM88], pages 514–527. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/>

- stoc/62212/p514-gabow/;
<http://www.acm.org/pubs/articles/proceedings/stoc/62212/p514-gabow/p514-gabow.pdf>. ACM order no. 508880.
- [GT88b] **Goldberg:1988:FMC** [GY89] Andrew Goldberg and Robert Tarjan. Finding minimum-cost circulations by canceling negative cycles. In ACM [ACM88], pages 388–397. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p388-goldberg/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p388-goldberg/p388-goldberg.pdf>. ACM order no. 508880.
- [GW88] **Gabow:1988:FFG** [Har84] Harold Gabow and Herbert Westermann. Forests, frames, and games: algorithms for matroid sums and applications. In ACM [ACM88], pages 407–421. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p407-gabow/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p407-gabow/p407-gabow.pdf>. ACM order no. 508880.
- [GY80] **Guibas:1980:TSR** Leo J. Guibas and F. Frances Yao. On translating a set of rectangles. In ACM [ACM80], pages 154–160. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508880.
- Graham:1989:IRB**
- R. L. Graham and A. C. Yao. On the improbability of reaching Byzantine agreements. In ACM [ACM89], pages 467–478. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p467-graham/p467-graham.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p467-graham/>. ACM order no. 508890.
- Harel:1984:GRI**
- David Harel. A general result on infinite trees and its applications. In ACM [ACM84], pages 418–427. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Harel:1985:LAF**
- D. Harel. A linear algorithm for finding dominators in flow graphs and related problems. In ACM [ACM85], pages 185–194. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p185-harel/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p185-harel/p185-harel.pdf>. ACM order no. 508850.

- [Hås86] **Haastad:1986:AOL**
 J. Håstad. Almost optimal lower bounds for small depth circuits. In ACM [ACM86], pages 6–20. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p6-hastad/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p6-hastad/p6-hastad.pdf>. ACM order no. 508860. [HI87]
- [hC81] **Chan:1981:RCC**
 Tat hung Chan. Reversal complexity of counter machines. In ACM [ACM81], pages 146–157. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3. [HL89]
- [Hem87] **Hemachandra:1987:SEH**
 L. A. Hemachandra. The strong exponential hierarchy collapses. In ACM [ACM87], pages 110–122. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p110-hemachandra/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p110-hemachandra/p110-hemachandra.pdf>. ACM order no. 508870. [HLN87]
- [Hen84] **Hennessy:1984:MFP**
 Matthew Hennessy. Modelling fair processes. In ACM [ACM84], pages 25–30. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Heath:1987:PNG**
 L. Heath and S. Istrail. The page number of genus g graphs is $O(g)$. In ACM [ACM87], pages 388–397. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p388-heath/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p388-heath/p388-heath.pdf>. ACM order no. 508870.
- Haastad:1989:FCU**
 J. Håstad and T. Leighton. Fast computation using faulty hypercubes. In ACM [ACM89], pages 251–263. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p251-hastad/p251-hastad.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p251-hastad/>. ACM order no. 508890.
- Haastad:1987:RHP**
 J. Håstad, T. Leighton, and M. Newman. Reconfiguring a hypercube in the presence of faults. In ACM [ACM87], pages 274–284. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p274-hastad/>; <http://www.acm.org/pubs/articles/>

- proceedings/stoc/28395/p274-hastad/p274-hastad.pdf. ACM order no. 508870.
- Haastad:1987:ABP**
- [HLR87] J. Håstad, T. Leighton, and B. Rogoff. Analysis of backoff protocols for multiple access channels. In ACM [ACM87], pages 241–253. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p241-hastad/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p241-hastad/p241-hastad.pdf>. ACM order no. 508870.
- Halpern:1985:OPP**
- [HMM85] J. Y. Halpern, N. Megiddo, and A. A. Munshi. Optimal precision in the presence of uncertainty. In [Hof80] ACM [ACM85], pages 346–355. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p346-halpern/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p346-halpern/p346-halpern.pdf>. ACM order no. 508850.
- Hajnal:1988:CCG**
- [HMT88a] András Hajnal, Wolfgang Maass, and György Turán. On the communication complexity of graph properties. In ACM [ACM88], pages 186–191. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988.
- Halpern:1988:KBA**
- Joseph Halpern, Yoram Moses, and Mark Tuttle. A knowledge-based analysis of zero knowledge. In ACM [ACM88], pages 132–147. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p132-halpern/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p132-halpern/p132-halpern.pdf>. ACM order no. 508880.
- Hoffmann:1980:TIC**
- Christoph M. Hoffmann. Testing isomorphism of cone graphs(extended abstract). In ACM [ACM80], pages 244–251. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Halpern:1983:LRA**
- Joseph Y. Halpern and Michael O. Rabin. A logic to reason about likelihood. In ACM [ACM83], pages 310–319. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Halstenberg:1988:DMC**
- Bernd Halstenberg and Rüdiger Reischuk. On different
- URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p186-hajnal/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p186-hajnal/p186-hajnal.pdf>. ACM order no. 508880.

- modes of communication. In ACM [ACM88], pages 162–172. ISBN 0-89791-264-0. [HS84b]
 LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p162-halstenberg/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p162-halstenberg/p162-halstenberg.pdf>. ACM order no. 508880.
- [HS85] **Heintz:1980:TPW**
 J. Heintz and C. P. Schnorr. Testing polynomials which are easy to compute (extended abstract). In ACM [ACM80], pages 262–272. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [HS82] **Hong:1982:NMN**
 Zhu Hong and Robert Sedgewick. [HSI83] Notes on merging networks (preliminary version). In ACM [ACM82], pages 296–302. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [HS84a] **Hart:1984:PTL**
 Sergiu Hart and Micha Sharir. Probabilistic temporal logics for finite and bounded models. In ACM [ACM84], pages 1–13. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Hochbaum:1984:PGP**
 Dorit S. Hochbaum and David B. Shmoys. Powers of graphs: A powerful approximation technique for bottleneck problems. In ACM [ACM84], pages 324–333. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Haastad:1985:CST**
 J. Håstad and A. Shamir. The cryptographic security of truncated linearly related variables. In ACM [ACM85], pages 356–362. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p356-hastad/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p356-hastad/p356-hastad.pdf>. ACM order no. 508850.
- Hartmanis:1983:SSN**
 J. Hartmanis, V. Sewelson, and N. Immerman. Sparse sets in NP-P: Exptime versus nexptime. In ACM [ACM83], pages 382–391. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [Hua84] **Huang:1984:FPF**
 Ming-Deh A. Huang. Factorization of polynomials over finite fields and factorization of primes in algebraic number fields. In ACM [ACM84], pages 175–182. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.

- [Hua85] **Huang:1985:RHF**
M.-D. A. Huang. Riemann hypothesis and finding roots over finite fields. In ACM [ACM85], pages 121–130. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p121-huang/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p121-huang/p121-huang.pdf>. ACM order no. 508850.
- [Huy85] **Huynh:1985:CEP**
D. T. Huynh. The complexity of the equivalence problem for commutative semi-groups and symmetric vector addition systems. In ACM [ACM85], pages 405–412. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p405-huynh/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p405-huynh/p405-huynh.pdf>. ACM order no. 508850.
- [HV86] **Halpern:1986:CRA**
J. Y. Halpern and M. Y. Vardi. The complexity of reasoning about knowledge and time. In ACM [ACM86], pages 304–315. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p304-halpern/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p304-halpern/p304-halpern.pdf>. ACM order no. 508860.
- [HV88] **Halpern:1988:RAK**
Joseph Halpern and Joseph Halpern Vardi. Reasoning about knowledge and time in asynchronous systems. In ACM [ACM88], pages 53–65. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p53-halpern/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p53-halpern/p53-halpern.pdf>. ACM order no. 508880.
- [HVV81] **Hawrusik:1981:CFC**
F. Hawrusik, K. N. Venkataraman, and A. Yasuhara. Classes of functions for computing on binary trees (extended abstract). In ACM [ACM81], pages 19–27. ISBN 0-89791-041-9 (paperback). LCCN QA 76.6 A13 1981. ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Ier89] **Ierardi:1989:QET**
D. Ierardi. Quantifier elimination in the theory of an algebraically-closed field. In ACM [ACM89], pages 138–147. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p138-ierardi/p138-ierardi.pdf>; <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p138-ierardi/p138-ierardi.pdf>.

- acm.org/pubs/citations/proceedings/stoc/73007/p138-ierardi/. ACM order no. 508890.
- [IL80] Oscar H. Ibarra and Brian S. Leinger. The complexity of the equivalence problem for straight-line programs. In ACM [ACM80], pages 273–280. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [IR89] R. Impagliazzo and S. Rudich. Limits on the provable consequences of one-way permutations. In ACM [ACM89], pages 44–61. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p44-impagliazzo/p44-impagliazzo.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p44-impagliazzo/>. ACM order no. 508890.
- [ILL89] R. Impagliazzo, L. A. Levin, and M. Luby. Pseudo-random generation from one-way functions. In ACM [ACM89], pages 12–24. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p12-impagliazzo/p12-impagliazzo.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p12-impagliazzo/>. ACM order no. 508890.
- [Imm82] Neil Immerman. Relational queries computable in polynomial time (extended abstract). In ACM [ACM82], pages 147–152. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [Imm83] Neil Immerman. Languages which capture complexity classes. In ACM [ACM83], pages 347–354. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [Imm87] K. Iwano and K. Steiglitz. Testing for cycles in infinite graphs with periodic structure. In ACM [ACM87], pages 46–55. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p46-iwano/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p46-iwano/p46-iwano.pdf>. ACM order no. 508870.
- [Ist88] Sorin Istrail. Polynomial universal traversing sequences for cycles are constructible. In ACM [ACM88], pages 491–503. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/>

- pubs/citations/proceedings/stoc/62212/p491-istrail/; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p491-istrail/p491-istrail.pdf>. ACM order no. 508880.
- Inoue:1982:TDA**
- [ITT82] Katsushi Inoue, Itsuo Takanami, and Hiroshi Taniguchi. Two-dimensional alternating Turing machines. In ACM [ACM82], pages 37–46. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Iwama:1983:UDS**
- [Iwa83] Kazuo Iwama. Unique decomposability of shuffled strings: A formal treatment of asynchronous time-multiplexed communication. In ACM [ACM83], pages 374–381. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- JaJa:1980:TST**
- [Ja'80] Joseph Ja'Ja'. Time-space tradeoffs for some algebraic problems. In ACM [ACM80], pages 339–350. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Jimbo:1985:EOA**
- [JM85] S. Jimbo and A. Maruoka. Expanders obtained from affine transformations. In ACM [ACM85], pages 88–97. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p88-jimbo/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p88-jimbo/p88-jimbo.pdf>. ACM order no. 508850.
- Jerrum:1988:CRM**
- Mark Jerrum and Alistair Sinclair. Conductance and the rapid mixing property for Markov chains: the approximation of permanent resolved. In ACM [ACM88], pages 235–244. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p235-jerrum/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p235-jerrum/p235-jerrum.pdf>. ACM order no. 508880.
- Jia-wei:1980:SDS**
- [Jw80] Hong Jia-wei. On some deterministic space complexity problems. In ACM [ACM80], pages 310–317. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Jia-Wei:1981:CRB**
- [JWK81] Hong Jia-Wei and H. T. Kung. I/O complexity: The red-blue pebble game. In ACM [ACM81], pages 326–333. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.

- [JWR81] **Jia-Wei:1981:GAB**
 Hong Jia-Wei and Arnold L. Rosenberg. Graphs that are almost binary trees (preliminary version). In ACM [ACM81], pages 334–341. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [JY80] **Joseph:1980:IRC**
 Deborah Joseph and Paul Young. Independence results in Computer Science? (preliminary version). In ACM [ACM80], pages 58–69. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [JY81] **Joseph:1981:FPI**
 Deborah Joseph and Paul Young. Fast programs for initial segments and polynomial time computation in weak models of arithmetic (preliminary abstract). In ACM [ACM81], pages 55–61. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [KA84] **Kim:1984:DDD**
 Chul E. Kim and Timothy A. Anderson. Digital disks and a digital compactness measure. In ACM [ACM84], pages 117–124. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [KA86] **Kosaraju:1986:OSB**
 S. R. Kosaraju and M. J. Atallah. Optimal simulations between mesh-connected arrays of processors. In ACM [ACM86], pages 264–272. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p264-kosaraju/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p264-kosaraju/p264-kosaraju.pdf>. ACM order no. 508860.
- [Kal82] **Kaltofen:1982:PRM**
 Erich Kaltofen. A polynomial reduction from multivariate to bivariate integral polynomial factorization. In ACM [ACM82], pages 261–266. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [Kal85] **Kaltofen:1985:CPG**
 E. Kaltofen. Computing with polynomials given by straight-line programs I: greatest common divisors. In ACM [ACM85], pages 131–142. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p131-kaltofen/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p131-kaltofen/p131->

- kaltofen.pdf. ACM order no. 508850.
- [Kal86] E. Kaltofen. Uniform closure properties of P-computable functions. In ACM [ACM86], pages 330–337. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p330-kaltofen/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p330-kaltofen/p330-kaltofen.pdf>. ACM order no. 508860.
- [Kan83b] Ravi Kannan. Improved algorithms for integer programming and related lattice problems. In ACM [ACM83], pages 193–206. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [Kal87] E. Kaltofen. Single-factor Hensel lifting and its application to the straight-line complexity of certain polynomials. In ACM [ACM87], pages 443–452. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p443-kaltofen/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p443-kaltofen/p443-kaltofen.pdf>. ACM order no. 508870.
- [Kan83a] Ravi Kannan. Alternation and the power of nondeterminism. In ACM [ACM83], pages 344–346. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [KCV83] N. Karmarkar. A new polynomial-time algorithm for linear programming. In ACM [ACM84], pages 302–311. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [Kil88] Joe Kilian. Founding cryptography on oblivious transfer. In ACM [ACM88], pages 20–31. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p20-kilian/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p20-kilian/p20-kilian.pdf>. ACM order no. 508880.
- [Kan83c] Paris C. Kanellakis, Stavros S. Cosmadakis, and Moshe Y. Vardi. Unary inclusion dependencies have polynomial time inference problems. In ACM [ACM83], pages 264–277. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.

- King:1981:MPA**
- [Kin81] K. N. King. Measures of parallelism in alternating computation trees (extended abstract). In ACM [ACM81], pages 189–201. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- King:1988:LBC**
- [Kin88] Valerie King. Lower bounds on the complexity of graph properties. In ACM [ACM88], pages 468–476. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p468-king/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p468-king/p468-king.pdf>. ACM order no. 508880.
- Kissin:1982:MEC**
- [Kis82] Gloria Kissin. Measuring energy consumption in VLSI circuits: A foundation. In ACM [ACM82], pages 99–104. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Kannan:1980:OPD**
- [KL80a] Ravindran Kannan and Richard J. Lipton. The orbit problem is decidable. In ACM [ACM80], pages 252–261. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Karp:1980:SCB**
- [KL80b] Richard M. Karp and Richard J. Lipton. Some connections between nonuniform and uniform complexity classes. In ACM [ACM80], pages 302–309. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Kearns:1988:LPM**
- [KL88] Michael Kearns and Ming Li. Learning in the presence of malicious errors. In ACM [ACM88], pages 267–280. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p267-kearns/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p267-kearns/p267-kearns.pdf>. ACM order no. 508880.
- Ko:1986:NOW**
- [KLD86] K. I. Ko, T. J. Long, and D. Z. Du. A note on one-way functions and polynomial-time isomorphisms. In ACM [ACM86], pages 295–303. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p295-ko/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p295-ko/p295-ko.pdf>. ACM order no. 508860.
- Kannan:1984:PFN**
- [KLL84] R. Kannan, A. K. Lenstra, and

- L. Lovász. Polynomial factorization and nonrandomness of bits of algebraic and some transcendental numbers. In ACM [ACM84], pages 191–200. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. [KLPV87]
- [KLLM81] Daniel Kleitman, Frank Thomson Leighton, Margaret Lepley, and Gary L. Miller. New layouts for the shuffle-exchange graph(extended abstract). In ACM [ACM81], pages 278–292. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3. [KM81]
- [KLMR89] R. Koch, T. Leighton, B. Maggs, and S. Rao. Work-preserving emulations of fixed-connection networks. In ACM [ACM89], pages 227–240. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p227-koch/p227-koch.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p227-koch/>. ACM order no. 508890. [KMK89]
- [KLMS84] Richard M. Karp, Michael Luby, and A. Marchetti-Spaccamela. A probabilistic analysis of multidimensional bin packing problems. In ACM [ACM84], pages 289–298. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840. [Kearns:1987:LBF]
- M. Kearns, M. Li, L. Pitt, and L. Valiant. On the learnability of Boolean formulae. In ACM [ACM87], pages 285–295. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p285-kearns/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p285-kearns/p285-kearns.pdf>. ACM order no. 508870.
- [Krishnamurthy:1981:EHT]
- Balakrishnan Krishnamurthy and Robert N. Moll. Examples of hard tautologies in the propositional calculus. In ACM [ACM81], pages 28–37. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Kenyon-Mathieu:1989:VPO]
- C. Kenyon-Mathieu and V. King. Verifying partial orders. In ACM [ACM89], pages 367–374. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p367-kenyon-mathieu/p367-kenyon-mathieu.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p367-kenyon-mathieu/>. ACM order no. 508890.
- [Karp:1984:PAM]
- Richard M. Karp, Michael Luby, and A. Marchetti-Spaccamela. A probabilistic analysis of multidimensional bin packing problems. In ACM [ACM84], pages 289–298. ISBN 0-89791-133-4.

- Kurtz:1989:ICF**
- [KMR89] S. A. Kurtz, S. R. Mahaney, and J. S. Royer. The isomorphism conjecture fails relative to a random oracle. In ACM [ACM89], pages 157–166. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p157-kurtz/p157-kurtz.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p157-kurtz/>. ACM order no. 508890. [Kos81]
- Kannan:1988:IRG**
- [KNR88] Sampath Kannan, Moni Naor, and Steven Rudich. Implicit representation of graphs. In ACM [ACM88], pages 334–343. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p334-kannan/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p334-kannan/p334-kannan.pdf>. ACM order no. 508880. [Kos86]
- Ko:1988:RPT**
- [Ko88] Ker-I. Ko. Relativized polynomial time hierarchies having exactly K levels. In ACM [ACM88], pages 245–253. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p245-ko/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p245-ko/p245-ko.pdf>. ACM order no. 508880. [Kos81]
- Kosaraju:1981:LSS**
- S. Rao Kosaraju. Localized search in sorted lists. In ACM [ACM81], pages 62–69. ISBN 0-89791-041-9 (paperback). LCCN QA 76.6 A13 1981. ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- Kosaraju:1982:DRV**
- S. Rao Kosaraju. Decidability of reachability in vector addition systems (preliminary version). In ACM [ACM82], pages 267–281. ISBN 0-89791-070-2. LCCN QA 76.6 A14 1982. ACM order no. 508820.
- Kosaraju:1986:PED**
- S. R. Kosaraju. Parallel evaluation of division-free arithmetic equations. In ACM [ACM86], pages 231–239. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p231-kosaraju/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p231-kosaraju/p231-kosaraju.pdf>. ACM order no. 508860.
- Kozen:1983:PP**
- Dexter Kozen. A probabilistic PDL. In ACM [ACM83], pages 291–297. ISBN 0-89791-099-0. LCCN QA 76.6 A14 1983. ACM order no. 508830.

- [Koz84] **Kozen:1984:PEE** Dexter Kozen. Pebblings, edgings, and equational logic. In ACM [ACM84], pages 428–435. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [KPPY84] **Klawe:1984:MFR** Maria Klawe, Wolfgang J. Paul, Nicholas Pippenger, and Mihalis Yannakakis. On monotone formulae with restricted depth. In ACM [ACM84], pages 480–487. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [KPU88] **Krizanc:1988:TRT** Danny Krizanc, David Peleg, and Eli Upfal. A time-randomness tradeoff for oblivious routing. In ACM [ACM88], pages 93–102. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p93-krizanc/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p93-krizanc/p93-krizanc.pdf>. ACM order no. 508880.
- [KR81] **Kim:1981:DSC** Chul E. Kim and Azriel Rosenfeld. Digital straightness and convexity (extended abstract). In ACM [ACM81], pages 80–89. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [KR88] **Karloff:1988:RAP** Howard Karloff and Prabhakar Raghavan. Randomized algorithms and pseudorandom numbers. In ACM [ACM88], pages 310–321. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p310-karloff/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p310-karloff/p310-karloff.pdf>. ACM order no. 508880.
- [Kre86] **Krentel:1986:COP** M. W. Krentel. The complexity of optimization problems. In ACM [ACM86], pages 69–76. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p69-krentel/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p69-krentel/p69-krentel.pdf>. ACM order no. 508860.
- [KS84] **Kahn:1984:EPG** Jeff Kahn and Michael Saks. Every poset has a good comparison. In ACM [ACM84], pages 299–301. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [KS88a] **Kalyanasundaram:1988:PWP** Balasubramanian Kalyanasundaram and George Schnitger. On the power of white pebbles. In ACM [ACM88], pages

- 258–266. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p258-kalyanasundaram/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p258-kalyanasundaram/p258-kalyanasundaram.pdf>. ACM order no. 508880.
- [KS88b] S. Rao Kosaraju and Gregory Sullivan. Detecting cycles in dynamic graphs in polynomial time. In ACM [ACM88], pages 398–406. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p398-kosaraju/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p398-kosaraju/p398-kosaraju.pdf>. ACM order no. 508880.
- [KS89] M.-Y. Kao and G. E. Shannon. Local reorientation, global order, and planar topology. In ACM [ACM89], pages 286–296. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p286-kao/p286-kao.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p286-kao/>. ACM order no. 508890.
- [KT80] Richard M. Karp and Robert En-
- dre Tarjan. Linear expected-time algorithms for connectivity problems (extended abstract). In ACM [ACM80], pages 368–377. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [KUR82] A. R. Karlin and E. Upfal. Parallel hashing — an efficient implementation of shared memory. In ACM [ACM86], pages 160–168. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p160-karlin/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p160-karlin/p160-karlin.pdf>. ACM order no. 508860.
- [KUR85a] R. M. Karp, E. Upfal, and A. Wigderson. Are search and decision programs computationally equivalent? In ACM [ACM85], pages 464–475. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p464-karp/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p464-karp/p464-karp.pdf>. ACM order no. 508850.

- [//www.acm.org/pubs/articles/proceedings/stoc/22145/p464-karp/p464-karp.pdf](http://www.acm.org/pubs/articles/proceedings/stoc/22145/p464-karp/p464-karp.pdf). ACM order no. 508850.
- Karp:1985:CPM**
- [KUW85b] R. M. Karp, E. Upfal, and A. Wigderson. Constructing a perfect matching is in random NC. In ACM [ACM85], pages 22–32. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p22-karp/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p22-karp/p22-karp.pdf>. ACM order no. 508850.
- Kapoor:1986:FAC**
- [KV86] S. Kapoor and P. M. Vaidya. Fast algorithms for convex quadratic programming and multicommodity flows. In ACM [ACM86], pages 147–159. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p147-kapoor/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p147-kapoor/p147-kapoor.pdf>. ACM order no. 508860.
- Kolaitis:1987:DPP**
- [KV87] P. Kolaitis and M. Vardi. The decision problem for the probabilities of higher-order properties. In ACM [ACM87], pages 425–435. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p425-kolaitis/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p425-kolaitis/p425-kolaitis.pdf>. ACM order no. 508870.
- Kearns:1989:CLL**
- [KV89] M. Kearns and L. G. Valiant. Cryptographic limitations on learning Boolean formulae and finite automata. In ACM [ACM89], pages 433–444. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p433-kearns/p433-kearns.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p433-kearns/>. ACM order no. 508890.
- Karp:1984:FPA**
- [KW84] Richard M. Karp and Avi Wigderson. A fast parallel algorithm for the maximal independent set problem. In ACM [ACM84], pages 266–272. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Karchmer:1988:MCC**
- [KW88] Mauricio Karchmer and Avi Wigderson. Monotone circuits for connectivity require super-logarithmic depth. In ACM [ACM88], pages 539–550. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/>

- stoc/62212/p539-karchmer/
; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p539-karchmer/p539-karchmer.pdf>. ACM order no. 508880. [Lei84]
- Karp:1988:RPB**
- [KZ88] Richard Karp and Yanjun Zhang. A randomized parallel branch-and-bound procedure. In ACM [ACM88], pages 290–300. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p290-karp/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p290-karp/p290-karp.pdf>. ACM order no. 508880. [Len83]
- Leivant:1981:CPP**
- [Lei81] Daniel Leivant. The complexity of parameter passing in polymorphic procedures. In ACM [ACM81], pages 38–45. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3. [Lev85]
- Leighton:1982:LSV**
- [Lei82] Frank Thomson Leighton. A layout strategy for VLSI which is provably good (extended abstract). In ACM [ACM82], pages 85–98. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820. [Lic80]
- Leighton:1984:TBC**
- Tom Leighton. Tight bounds on the complexity of parallel sorting. In ACM [ACM84], pages 71–80. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Lenstra:1983:FMP**
- Arjen K. Lenstra. Factoring multivariate polynomials over finite fields. In ACM [ACM83], pages 189–192. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Levin:1984:PCA**
- Leonid A. Levin. Problems, complete in “average” instance. In ACM [ACM84], page 465. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Levin:1985:OWF**
- L. A. Levin. One-way functions and pseudorandom generators. In ACM [ACM85], pages 363–365. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p363-levin/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p363-levin/p363-levin.pdf>. ACM order no. 508850.
- Lichtenstein:1980:IGE**
- David Lichtenstein. Isomorphism for graphs embeddable on the projective plane. In

- ACM [ACM80], pages 218–224. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800. [LM85]
- [Llo80] Errol L. Lloyd. Critical path scheduling of task systems with resource and processor constraints (extended abstract). In ACM [ACM80], pages 436–446. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [LLS87] D. Lichtenstein, N. Linial, and M. Saks. Imperfect random sources and discrete controlled processes. In ACM [ACM87], pages 169–177. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p169-lichtenstein/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p169-lichtenstein/p169-lichtenstein.pdf>. ACM order no. 508870. [LMR86]
- [LM83] Susan Landau and Gary Lee Miller. Solvability by radicals is in polynomial time. In ACM [ACM83], pages 140–151. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Leiserson:1985:ART**
- C. E. Leiserson and F. M. Maley. Algorithms for routing and testing routability of planar VLSI layouts. In ACM [ACM85], pages 69–78. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p69-leiserson/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p69-leiserson/p69-leiserson.pdf>. ACM order no. 508850.
- Lueker:1988:MAD**
- George Lueker and Mariko Molodowitch. More analysis of double hashing. In ACM [ACM88], pages 354–359. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p354-lueker/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p354-lueker/p354-lueker.pdf>. ACM order no. 508880.
- Lueker:1986:LPT**
- G. S. Lueker, N. Megiddo, and V. Ramachandran. Linear programming with two variables per inequality in poly-log time. In ACM [ACM86], pages 196–205. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p196-lueker/>; <http://www.acm.org/pubs/articles/>
- Landau:1983:SRP**

- proceedings/stoc/12130/p196-lueker/p196-lueker.pdf. ACM order no. 508860.
- Loebl:1988:LUS**
- [LN88] Martin Loebl and Jaroslav Nešetřil. Linearity and unprovability of set union problem. In ACM [ACM88], pages 360–366. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p360-loebl/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p360-loebl/p360-loebl.pdf>. ACM order no. 508880.
- Lubotzky:1986:EER**
- [LPS86] A. Lubotzky, R. Phillips, and P. Sarnak. Explicit expanders and the Ramanujan conjectures. In ACM [ACM86], pages 240–246. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p240-lubotzky/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p240-lubotzky/p240-lubotzky.pdf>. ACM order no. 508860.
- Luby:1986:PRP**
- [LR86] M. Luby and C. Rackoff. Pseudo-random permutation generators and cryptographic composition. In ACM [ACM86], pages 356–363. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p356-luby/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p356-luby/p356-luby.pdf>. ACM order no. 508860.
- Lipton:1981:LBV**
- [LS81] Richard J. Lipton and Robert Sedgewick. Lower bounds for VLSI. In ACM [ACM81], pages 300–307. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- Leighton:1986:TBM**
- [LS86] F. T. Leighton and P. Shor. Tight bounds for minimax grid matching, with applications to the average case analysis of algorithms. In ACM [ACM86], pages 91–103. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p91-leighton/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p91-leighton/p91-leighton.pdf>. ACM order no. 508860.
- Lam:1989:TBC**
- [LTT89] T. Lam, P. Tiwari, and M. Tompa. Tradeoffs between communication and space. In ACM [ACM89], pages 217–226. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p217-lam/p217-lam.pdf>; <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p217-lam/p217-lam.pdf>.

- org/pubs/citations/proceedings/stoc/73007/p217-lam/. ACM order no. 508890.
- [Lub85a] **Lubiw:1985:DLO**
 A. Lubiw. Doubly lexical orderings of matrices. In ACM [ACM85], pages 396–404. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p396-lubiw/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p396-lubiw/p396-lubiw.pdf>. ACM order no. 508850.
- [Lub85b] **Luby:1985:SPA**
 M. Luby. A simple parallel algorithm for the maximal independent set problem. In ACM [ACM85], pages 1–10. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p1-luby/p1-luby.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p1-luby/>. ACM order no. 508850.
- [LV86] **Landau:1986:IEP**
 G. M. Landau and U. Vishkin. Introducing efficient parallelism into approximate string matching and a new serial algorithm. In ACM [ACM86], pages 220–230. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p220-landau/>;
- <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p220-landau/p220-landau.pdf>. ACM order no. 508860.
- Long:1983:HDD**
 Douglas L. Long and Avi Wigderson. How discreet is the discrete log? In ACM [ACM83], pages 413–420. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Li:1986:NLB**
 M. Li and Y. Yesha. New lower bounds for parallel computation. In ACM [ACM86], pages 177–187. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p177-li/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p177-li/p177-li.pdf>. ACM order no. 508860.
- Lynch:1980:FAN**
 Nancy A. Lynch. Fast allocation of nearby resources in a distributed system. In ACM [ACM80], pages 70–81. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Maass:1984:QLB**
 Wolfgang Maass. Quadratic lower bounds for deterministic and nondeterministic one-tape Turing machines. In ACM [ACM84], pages 401–408. ISBN

- 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [Man84] Udi Manber. On maintaining dynamic information in a concurrent environment. In ACM [ACM84], pages 273–278. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [May81] Ernst W. Mayr. An algorithm for the general Petri net reachability problem. In ACM [ACM81], pages 238–246. ISBN 0-89791-041-9 (paperback). LCCN ????. ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Mey85] F. Meyer auf der Heide. Fast algorithms for n -dimensional restrictions of hard problems. In ACM [ACM85], pages 413–420. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL http://www.acm.org/pubs/citations/proceedings/stoc/22145/p413-meyer_auf_der_heide/. ACM order no. 508850.
- [Mil80] Gary Miller. Isomorphism testing for graphs of bounded genus. In ACM [ACM80], pages 225–235. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members).
- [Mil84] Gary L. Miller. Finding small simple cycle separators for 2-connected planar graphs. In ACM [ACM84], pages 376–382. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [Mir80] Grazyna Mirkowska. Complete axiomatization of algorithmic properties of program schemes with bounded nondeterministic interpretations. In ACM [ACM80], pages 14–21. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [Mir84] A. Mirzaian. Channel routing in VLSI. In ACM [ACM84], pages 101–107. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [MMS88] Mark Manasse, Lyle McGeoch, and Daniel Sleator. Competitive algorithms for on-line problems. In ACM [ACM88], pages 322–333. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p322-manasse/>; <http://www.acm.org/pubs/articles/proceedings/stoc/>

Manber:1984:MDI**Miller:1984:FSS****Mayr:1981:AGP****Mirkowska:1980:CAA****MeyeraufderHeide:1985:FAD****Mirzaian:1984:CRV****Miller:1980:ITG****Manasse:1988:CAL**

- 62212/p322-manasse/p322-manasse. pdf. ACM order no. 508880. **Monien:1981:BCN**
- [Mot89] R. Motwani. Expanding graphs and the average-case analysis of algorithms for matchings and related problems. In ACM [ACM89], pages 550–561. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p550-motwani/p550-motwani.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p550-motwani/>. ACM order no. 508890. **Motwani:1989:EGA** [MS81a]
- [MP80] Albert R. Meyer and Rohit Parikh. Definability in dynamic logic. In ACM [ACM80], pages 1–7. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800. **Meyer:1980:DDL** [MS82]
- [MR87] G. Miller and V. Ramachandran. A new graphy triconnectivity algorithm and its parallelization. In ACM [ACM87], pages 335–344. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p335-miller/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p335-miller/p335-miller.pdf>. ACM order no. 508870. **Miller:1987:NGT** [MSS87]
- David E. Muller and Paul E. Schupp. Pushdown automata, graphs, ends, second-order logic, and reachability problems. In ACM [ACM81], pages 46–54. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3. **Muller:1981:PAG**
- Kurt Mehlhorn and Erik M. Schmidt. Las Vegas is better than determinism in VLSI and distributed computing (extended abstract). In ACM [ACM82], pages 330–337. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820. **Mehlhorn:1982:VBT**
- W. Maass, G. Schnitger, and E. Szemerédi. Two tapes are better than one for off-line Turing machines. In ACM [ACM87], pages 94–100. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 **Maass:1987:TTB**

1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p94-maass/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p94-maass/p94-maass.pdf>. ACM order no. 508870. [Mun87]
- [MT82] Udi Manber and Martin Tompa. Probabilistic, nondeterministic, and alternating decision trees (preliminary version). In ACM [ACM82], pages 234–244. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820. **Manber:1982:PNA**
- [MT87] G. Miller and S. Teng. Dynamic parallel complexity of computational circuits. In ACM [ACM87], pages 254–263. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p254-miller/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p254-miller/p254-miller.pdf>. ACM [Mye83] order no. 508870. [MVV87] **Miller:1987:DPC**
- [Mul86] K. Mulmuley. A fast parallel algorithm to compute the rank of a matrix over an arbitrary field. In ACM [ACM86], pages 338–339. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p338-mulmuley/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p338-mulmuley/p338-mulmuley.pdf>. ACM order no. 508860. **Munro:1987:STK**
- J. I. Munro. Searching a two key table under a single key. In ACM [ACM87], pages 383–387. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p383-munro/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p383-munro/p383-munro.pdf>. ACM order no. 508870. **Munro:1987:STK**
- [MT87] G. Miller and S. Teng. Dynamic parallel complexity of computational circuits. In ACM [ACM87], pages 254–263. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p254-miller/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p254-miller/p254-miller.pdf>. ACM [Mye83] order no. 508870. [MVV87] **Miller:1987:DPC**
- Ketan Mulmuley, Umesh V. Vazirani, and Vijay V. Vazirani. Matching is as easy as matrix inversion. In ACM [ACM87], pages 345–354. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. ACM order no. 508870. **Mulmuley:1987:MEM**
- Dale Myers. The random access hierarchy. In ACM [ACM83], pages 355–364. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830. **Myers:1983:RAH**
- [Mul86] K. Mulmuley. A fast parallel algorithm to compute the rank of a matrix over an arbitrary field. In ACM [ACM86], pages 338–339. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p338-mulmuley/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p338-mulmuley/p338-mulmuley.pdf>. ACM order no. 508860. **Munro:1987:STK**
- B. K. Natarajan. On learning Boolean functions. In ACM [ACM87], pages 296–304. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p296-natarajan/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p296-natarajan/p296-natarajan.pdf>. ACM order no. 508860. **Natarajan:1987:LBF**

- stoc/28395/p296-natarajan/
; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p296-natarajan/p296-natarajan.pdf>. ACM order no. 508870. [NY89]
- Nisan:1989:CPD**
- [Nis89] N. Nisan. CREW PRAMS and decision trees. In ACM [ACM89], pages 327–335. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p327-nisan/p327-nisan.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p327-nisan/>. ACM order no. 508890. [OE84]
- Naor:1987:FPA**
- [NNS87] J. Naor, M. Naor, and A. Schaffer. Fast parallel algorithms for chordal graphs. In ACM [ACM87], pages 355–364. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p355-naor/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p355-naor/p355-naor.pdf>. ACM order no. 508870. [Old83]
- Nivat:1982:ERM**
- [NP82] Maurice Nivat and Dominique Perrin. Ensembles reconnaissables de mots biinfinis. In ACM [ACM82], pages 47–59. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820. [Orl81]
- Naor:1989:UOW**
- M. Naor and M. Yung. Universal one-way hash functions and their cryptographic applications. In ACM [ACM89], pages 33–43. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p33-naor/p33-naor.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p33-naor/>. ACM order no. 508890.
- Orlitsky:1984:CSC**
- Alon Orlitsky and Abbas El Gamal. Communication with secrecy constraints. In ACM [ACM84], pages 217–224. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Olderog:1983:CHL**
- Ernst-Rüdiger Olderog. A characterization of Hoare’s logic for programs with Pascal-like procedures. In ACM [ACM83], pages 320–329. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Orlin:1981:CDL**
- James B. Orlin. The complexity of dynamic languages and dynamic optimization problems. In ACM [ACM81], pages 218–227. ISBN 0-89791-041-9 (paperback). LCCN ????? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.

- [Orl88] **Orlin:1988:FSP** James Orlin. A faster strongly polynomial minimum cost flow algorithm. In ACM [ACM88], pages 377–387. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p377-orlin/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p377-orlin/p377-orlin.pdf>. ACM order no. 508880.
- [Pel85] **Peleg:1985:CDL** D. Peleg. Concurrent dynamic logic. In ACM [ACM85], pages 232–239. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p232-peleg/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p232-peleg/p232-peleg.pdf>. ACM order no. 508850.
- [OSS84] **Ong:1984:ESS** H. Ong, C. P. Schnorr, and A. Shamir. An efficient signature scheme based on quadratic equations. In ACM [ACM84], pages 208–216. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [Pip80] **Pippenger:1980:CSP** Nicholas Pippenger. Comparative schematology and pebbling with auxiliary pushdowns (preliminary version). In ACM [ACM80], pages 351–356. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [óSY83] **oDunlaing:1983:RNA** Colm óDúnlaing, Micha Sharir, and Chee K. Yap. Retraction: A new approach to motion-planning. In ACM [ACM83], pages 207–220. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [Pip82] **Pippenger:1982:PSP** Nicholas Pippenger. Probabilistic simulations (preliminary version). In ACM [ACM82], pages 17–26. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [OvL80] **Overmars:1980:DMC** Mark H. Overmars and Jan van Leeuwen. Dynamically maintaining configurations in the plane (detailed abstract). In ACM [ACM80], pages 135–145. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [PKR82] **Pachl:1982:TPL** J. Pachl, E. Korach, and D. Rotem. A technique for proving lower bounds for distributed maximum-finding algorithms (preliminary version). In ACM [ACM82], pages 378–382. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.

- [Pla80] **Plaisted:1980:DIF**
David A. Plaisted. On the distribution of independent formulae of number theory. In ACM [ACM80], pages 39–44. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [Pnu83] **Pnueli:1983:EFT**
Amir Pnueli. On the extremely fair treatment of probabilistic algorithms. In ACM [ACM83], pages 278–290. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [Pos84] **Post:1984:MSE**
Mark J. Post. Minimum spanning ellipsoids. In ACM [ACM84], pages 108–116. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [PP81] **Parisi-Presicce:1981:FRE**
Francesco Parisi-Presicce. On the faithful regular extensions of iterative algebras. In ACM [ACM81], pages 368–374. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [PR85] **Pan:1985:EPS**
V. Pan and J. Reif. Efficient parallel solution of linear systems. In ACM [ACM85], pages 143–152. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p143-pan/>. ACM order no. 508850.
- [Pra80] **Pratt:1980:DAN**
V. R. Pratt. Dynamic algebras and the nature of induction. In ACM [ACM80], pages 22–28. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [PRS81] **Paterson:1981:BME**
M. S. Paterson, W. L. Ruzzo, and L. Snyder. Bounds on minimax edge length for complete binary trees. In ACM [ACM81], pages 293–299. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [PS82] **Papadimitriou:1982:CC**
Christos H. Papadimitriou and Michael Sipser. Communication complexity. In ACM [ACM82], pages 196–200. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [PSS80] **Paul:1980:ITA**
Wolfgang J. Paul, Joel I. Seiferas, and Janos Simon. An information-theoretic approach to time bounds for on-line computation (preliminary version). In ACM [ACM80], pages 357–367. ISBN 0-89791-017-6 (pa-

perback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.

Pintz:1988:TIS

- [PSS88] János Pintz, William Steiger, and Endre Szemerédi. Two infinite sets of primes with fast primality tests. In ACM [ACM88], pages 504–509. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p504-pintz/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p504-pintz/p504-pintz.pdf>. ACM order no. 508880.

Peleg:1987:CDP

- [PU87] D. Peleg and E. Upfal. Constructing disjoint paths on expander graphs. In ACM [ACM87], pages 264–273. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p264-peleg/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p264-peleg/p264-peleg.pdf>. ACM order no. 508870. [PY88a]

Peleg:1988:TBS

- [PU88] David Peleg and Eli Upfal. A tradeoff between space and efficiency for routing tables. In ACM [ACM88], pages 43–52. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/>

[stoc/62212/p43-peleg/](http://www.acm.org/pubs/articles/proceedings/stoc/62212/p43-peleg/p43-peleg.pdf); <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p43-peleg/p43-peleg.pdf>. ACM order no. 508880.

Pitt:1989:MCD

[PW89] L. Pitt and M. K. Warmuth. The minimum consistent DFA problem cannot be approximated within and polynomial. In ACM [ACM89], pages 421–432. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p421-pitt/p421-pitt.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p421-pitt/>. ACM order no. 508890.

Papadimitriou:1982:CFS

C. H. Papadimitriou and M. Yannakakis. The complexity of facets (and some facets of complexity). In ACM [ACM82], pages 255–260. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.

Papadimitriou:1988:OAC

Christos Papadimitriou and Mihalis Yannakakis. Optimization, approximation, and complexity classes. In ACM [ACM88], pages 229–234. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p229-papadimitriou/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p229-papadimitriou/>

- p229-papadimitriou.pdf. ACM order no. 508880.
- [PY88b] **Papadimitriou:1988:TAI**
 Christos Papadimitriou and Mihalis Yannakakis. Towards an architecture-independent analysis of parallel algorithms. In ACM [ACM88], pages 510–513. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL [http://www.acm.org/pubs/articles/proceedings/stoc/62212/p510-papadimitriou/p510-papadimitriou.pdf](http://www.acm.org/pubs/citations/proceedings/stoc/62212/p510-papadimitriou/). ACM order no. 508880. [Rei80]
- [Raz89] **Razborov:1989:MA**
 A. A. Razborov. On the method of approximations. In ACM [ACM89], pages 167–176. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p167-razborov/p167-razborov.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p167-razborov/>. ACM order no. 508890. [Rei89]
- [RBO89] **Rabin:1989:VSS**
 T. Rabin and M. Ben-Or. Verifiable secret sharing and multiparty protocols with honest majority. In ACM [ACM89], pages 73–85. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL [http://www.acm.org/pubs/citations/proceedings/stoc/73007/p73-rabin/p73-rabin.pdf](http://www.acm.org/pubs/articles/proceedings/stoc/73007/p73-rabin/p73-rabin.pdf); <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p73-rabin/>. ACM order no. 508890. [Reif:1980:LPP]
- [Reif:1982:SC]
 John H. Reif. Logics for probabilistic programming (extended abstract). In ACM [ACM80], pages 8–13. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [Reif:1989:OSI]
 John H. Reif. Symmetric complementation. In ACM [ACM82], pages 201–214. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- [Ronyai:1987:SAD]
 J. H. Reif. Optimal size integer division circuits. In ACM [ACM89], pages 264–273. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p264-reif/p264-reif.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p264-reif/>. ACM order no. 508890.
- [Ron87]
 L. Ronyai. Simple algebras are difficult. In ACM [ACM87], pages 398–408. ISBN 0-89791-221-7 (paperback). LCCN QA

- 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p398-ronyai/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p398-ronyai/p398-ronyai.pdf>. ACM order no. 508870.
- Reif:1980:RM**
- [RS80] John H. Reif and Paul G. Spirakis. Random matroids. In ACM [ACM80], pages 385–397. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Reif:1981:DAS**
- [RS81] John Reif and Paul Spirakis. Distributed algorithms for synchronizing interprocess communication within real time. In ACM [ACM81], pages 133–145. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- Rivest:1982:HRS**
- [RS82] Ronald L. Rivest and Adi Shamir. How to reuse a “write-once” memory (preliminary version). In ACM [ACM82], pages 105–113. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Reif:1989:PNR**
- [RS89a] J. H. Reif and S. Sen. Polling: a new randomized sampling technique for computational geometry. In ACM [ACM89], pages 394–404. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p394-reif/p394-reif.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p394-reif/>. ACM order no. 508890.
- Rivest:1989:IFA**
- [RS89b] R. L. Rivest and R. E. Schapire. Inference of finite automata using homing sequences. In ACM [ACM89], pages 411–420. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p411-rivest/p411-rivest.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p411-rivest/>. ACM order no. 508890.
- Ruzzo:1982:SBH**
- [RST82] Walter L. Ruzzo, Janos Simon, and Martin Tompa. Space-bounded hierarchies and probabilistic computations. In ACM [ACM82], pages 215–223. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Raghavan:1985:PGR**
- [RT85] P. Raghavan and C. D. Thompson. Provably good routing in graphs: regular arrays. In ACM [ACM85], pages 79–87. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p79-87-1985-1.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p79-87-1985-1/>. ACM order no. 508890.

- org/pubs/citations/proceedings/stoc/22145/p79-raghavan/;
<http://www.acm.org/pubs/articles/proceedings/stoc/22145/p79-raghavan/p79-raghavan.pdf>. ACM order no. 508850.
- Reif:1983:LTS**
- [RV83] John H. Reif and Leslie G. Valiant. A logarithmic time sort for linear size networks. In ACM [ACM83], pages 10–16. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Sistla:1982:CPL**
- [SC82] A. P. Sistla and E. M. Clarke. The complexity of propositional linear temporal logics. In ACM [ACM82], pages 159–168. ISBN 0-89791-070-2. LCCN QA75.5.A14 1982. ACM order no. 508820.
- Seidel:1986:CHD**
- [Sei86] R. Seidel. Constructing higher-dimensional convex hulls at logarithmic cost per face. In ACM [ACM86], pages 404–413. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p404-seidel/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p404-seidel/p404-seidel.pdf>. ACM order no. 508860.
- Siegel:1986:AIF**
- [Sie86] A. Siegel. Aspects of information flow in VLSI circuits. In ACM [ACM86], pages 448–459. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p448-siegel/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p448-siegel/p448-siegel.pdf>. ACM order no. 508860.
- Simon:1981:SBP**
- [Sim81] Janos Simon. Space-bounded probabilistic Turing machine complexity classes are closed under complement (preliminary version). In ACM [ACM81], pages 158–167. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- Sipser:1983:BSC**
- [Sip83a] Michael Sipser. Borel sets and circuit complexity. In ACM [ACM83], pages 61–69. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Sipser:1983:CTA**
- [Sip83b] Michael Sipser. A complexity theoretic approach to randomness. In ACM [ACM83], pages 330–335. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Smolensky:1987:AMT**
- [Smo87] R. Smolensky. Algebraic methods in the theory of lower bounds for Boolean circuit complexity. In ACM [ACM87],

- pages 77–82. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p77-smolensky/> [SS84]; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p77-smolensky/p77-smolensky.pdf>. ACM order no. 508870.
- [SNS85] **Suzuki:1985:MFP** [SS86] H. Suzuki, T. Nishizeki, and N. Saito. Multicommodity flows in planar undirected graphs and shortest paths. In ACM [ACM85], pages 195–204. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p195-suzuki/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p195-suzuki/p195-suzuki.pdf>. ACM order no. 508850.
- [Spi83] **Spinrad:1983:TON** [SS87] Jeremy Spinrad. Transitive orientation in $O(n^2)$ time. In ACM [ACM83], pages 457–466. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [SPR80] **Supowit:1980:HWP** [SS89] Kenneth J. Supowit, David A. Plaisted, and Edward M. Reingold. Heuristics for weighted perfect matching. In ACM [ACM80], pages 398–419. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Sharir:1984:SPP** Micha Sharir and Amir Schorr. On shortest paths in polyhedral spaces. In ACM [ACM84], pages 144–153. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Schnorr:1986:OSA** C. P. Schnorr and A. Shamir. An optimal sorting algorithm for mesh connected computers. In ACM [ACM86], pages 255–263. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p255-schnorr/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p255-schnorr/p255-schnorr.pdf>. ACM order no. 508860.
- Shelah:1987:TSR** S. Shelah and J. Spencer. Threshold spectra for random graphs. In ACM [ACM87], pages 421–424. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p421-shelah/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p421-shelah/p421-shelah.pdf>. ACM order no. 508870.
- Schmidt:1989:AUP** J. P. Schmidt and A. Siegel. On aspects of university and

- performance for closed hashing. In ACM [ACM89], pages 355–366. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p355-schmidt/p355-schmidt.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p355-schmidt/>. [Sto83a] ACM order no. 508890.
- [ST81] Daniel D. Sleator and Robert Endre Tarjan. A data structure for dynamic trees. In ACM [ACM81], pages 114–122. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [ST83] Daniel Dominic Sleator and Robert Endre Tarjan. Self-adjusting binary trees. In ACM [ACM83], pages 235–245. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [ST84] Daniel Dominic Sleator and Robert Endre Tarjan. Amortized efficiency of list update rules. In ACM [ACM84], pages 488–492. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [Sto80] James A. Storer. The node cost measure for embedding graphs on the planar grid (extended abstract). In ACM [ACM80], pages 201–210. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [Sto83b] Quentin F. Stout. Topological matching. In ACM [ACM83], pages 24–31. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [Str80] H. R. Strong. Vector execution of flow graphs(extended abstract). In ACM [ACM80], pages 108–116. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [Str81] Robert S. Streett. Propositional Dynamic Logic of looping and converse. In ACM [ACM81], pages 375–383. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.

Sleator:1981:DSD**Stockmeyer:1983:CAC****Stout:1983:TM****Sleator:1983:SAB****Strong:1980:VEF****Sleator:1984:AEL****Streett:1981:PDL****Storer:1980:NCM**

Sleator:1986:RDT

- [STT86] D. D. Sleator, R. E. Tarjan, and W. P. Thurston. Rotation distance, triangulations, and hyperbolic geometry. In ACM [ACM86], pages 122–135. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p122-sleator/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p122-sleator/p122-sleator.pdf>. ACM order no. 508860. [SvEB84]

Sadri:1980:CAL

- [SU80] Fereidoon Sadri and Jeffrey D. Ullman. A complete axiomatization for a large class of dependencies in relational databases. In ACM [ACM80], pages 117–122. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800. [Tom80a]

Safra:1989:ATL

- [SV89] S. Safra and M. Y. Vardi. On ω -automata and temporal logic. In ACM [ACM89], pages 127–137. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p127-safra/p127-safra.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p127-safra/>. ACM order no. 508890. [Tom80b]

Slot:1984:TVC

C. Slot and P. van Emde Boas. On tape versus core an application of space efficient perfect hash functions to the invariance of space. In ACM [ACM84], pages 391–400. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.

Tompa:1980:OSW

Martin Tompa. An optimal solution to a wire-routing problem (preliminary version). In ACM [ACM80], pages 161–176. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.

Tompa:1980:TFT

Martin Tompa. Two familiar transitive closure algorithms which admit no polynomial time, sublinear space implementations. In ACM [ACM80], pages 333–338. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.

Toueg:1980:DLF

Sam Toueg. Deadlock- and livelock-free packet switching networks. In ACM [ACM80], pages 94–99. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.

- [Tur83] **Turner:1983:PAB**
Jonathan Turner. Probabilistic analysis of bandwidth minimization algorithms. In ACM [ACM83], pages 467–476. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- [TV86] **Tarjan:1986:LTA**
R. E. Tarjan and C. J. Van Wyk. A linear-time algorithm for triangulating simple polygons. In ACM [ACM86], pages 380–388. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p380-tarjan/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p380-tarjan/p380-tarjan.pdf>. ACM order no. 508860. [USS81]
- [Ukk80] **Ukkonen:1980:DME**
Esko Ukkonen. A decision method for the equivalence of some non-real-time deterministic pushdown automata. In ACM [ACM80], pages 29–38. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- [Upf84] **Upfal:1984:PRB**
Eli Upfal. A probabilistic relation between desirable and feasible, models of parallel computation. In ACM [ACM84], pages 258–265. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- [Upf89] **Upfal:1989:DPR**
E. Upfal. An $O(\log N)$ deterministic packet routing scheme. In ACM [ACM89], pages 241–249. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p241-upfal/p241-upfal.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p241-upfal/>. ACM order no. 508890.
- Ukkonen:1981:LKT**
Esko Ukkonen and Eljas Soisalon-Soininen. LALR(k) testing is PSPACE-complete. In ACM [ACM81], pages 202–206. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Vai85] **Vaidya:1985:STT**
P. M. Vaidya. Space-time tradeoffs for orthogonal range queries. In ACM [ACM85], pages 169–174. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p169-vaidya/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p169-vaidya/p169-vaidya.pdf>. ACM order no. 508850.

Vaidya:1987:ALP

- [Vai87] P. M. Vaidya. An algorithm for linear programming which requires $O(((m+n)n^2 + (m+n)^{1.5}n)L)$ arithmetic operations. In ACM [ACM87], pages 29–38. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p29-voidya/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p29-voidya/p29-voidya.pdf>. ACM order no. 508870.

Vaidya:1988:GHM

- [Vai88] Pravin Vaidya. Geometry helps in matching. In ACM [ACM88], pages 422–425. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p422-voidya/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p422-voidya/p422-voidya.pdf>. ACM order no. 508880.

Valiant:1983:ELB

- [Val83] L. G. Valiant. Exponential lower bounds for restricted monotone circuits. In ACM [ACM83], pages 110–117. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.

Valiant:1984:TL

- [Val84] L. G. Valiant. A theory of the learnable. In ACM [ACM84], pages 436–445. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.

Vallee:1989:PFI

- [Val89] B. Vallée. Provably fast integer factoring with quasi-uniform small quadratic residues. In ACM [ACM89], pages 98–106. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p98-vallee/p98-vallee.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p98-vallee/>. ACM order no. 508890.

Vardi:1982:CRQ

- [Var82] Moshe Y. Vardi. The complexity of relational query languages (extended abstract). In ACM [ACM82], pages 137–146. ISBN 0-89791-070-2. LCCN QA75.5.A14 1982. ACM order no. 508820.

Vazirani:1985:TSC

- [Vaz85] U. V. Vazirani. Towards a strong communication complexity theory or generating quasi-random sequences from two communicating slightly-random sources. In ACM [ACM85], pages 366–378. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p366-vazirani/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p366-vazirani/p366-vazirani.pdf>. ACM order no. 508850.

- Vazirani:1987:ECU**
- [Vaz87] U. Vazirani. Efficiency considerations in using semi-random sources. In ACM [ACM87], pages 160–168. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p160-vazirani/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p160-vazirani/p160-vazirani.pdf>. ACM order no. 508870. [Vit82]
- Valiant:1981:USP**
- [VB81] L. G. Valiant and G. J. Brebner. Universal schemes for parallel communication. In ACM [ACM81], pages 263–277. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3. [Vit84]
- Venkateswaran:1987:PCL** [VL88]
- [Ven87] H. Venkateswaran. Properties that characterize LOGCFL. In ACM [ACM87], pages 141–150. ISBN 0-89791-221-7 (paperback). LCCN QA 76.6 A13 1987. URL <http://www.acm.org/pubs/citations/proceedings/stoc/28395/p141-venkateswaran/>; <http://www.acm.org/pubs/articles/proceedings/stoc/28395/p141-venkateswaran/p141-venkateswaran.pdf>. ACM order no. 508870.
- Vishkin:1984:RSU**
- [Vis84] Uzi Vishkin. Randomized speed-ups in parallel computation. In ACM [ACM84], pages 230–239. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Vitanyi:1982:RTS**
- Paul M. B. Vitányi. Real-time simulation of multicontractors by oblivious one-tape Turing machines (preliminary draft). In ACM [ACM82], pages 27–36. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Vitanyi:1984:DEA**
- Paul M. B. Vitányi. Distributed elections in an archimedean ring of processors. In ACM [ACM84], pages 542–547. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- Venkatesan:1988:RIG**
- Ramarathnam Venkatesan and Leonid Levin. Random instances of a graph coloring problem are hard. In ACM [ACM88], pages 217–222. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p217-venkatesan/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p217-venkatesan/p217-venkatesan.pdf>. ACM order no. 508880.
- Vardi:1985:IUL**
- M. Y. Vardi and L. Stockmeyer. Improved upper

- and lower bounds for modal logics of programs. In ACM [ACM85], pages 240–251. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p240-vardi/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p240-vardi/p240-vardi.pdf>. ACM order no. 508850. [VW84]
- [VV85a] L. G. Valiant and V. V. Vazirani. NP is as easy as detecting unique solutions. In ACM [ACM85], pages 458–463. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p458-valiant/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p458-valiant/p458-valiant.pdf>. ACM order no. 508850. [Vig82]
- [VV85b] U. Vazirani and V. V. Vazirani. The two-processor scheduling problem is in R-NC. In ACM [ACM85], pages 11–21. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p11-vazirani/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p11-vazirani/p11-vazirani.pdf>. ACM order no. 508850. [Wil84]
- Vardi:1984:ATT**
- Moshe Y. Vardi and Pierre Wolper. Automata theoretic techniques for modal logics of programs: (extended abstract). In ACM [ACM84], pages 446–456. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.
- vonzurGathen:1983:PAA**
- Joachim von zur Gathen. Parallel algorithms for algebraic problems. In ACM [ACM83], pages 17–23. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Wigderson:1982:NAG**
- Avi Wigderson. A new approximate graph coloring algorithm. In ACM [ACM82], pages 325–329. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Willard:1982:MDS**
- Dan E. Willard. Maintaining dense sequential files in a dynamic environment (extended abstract). In ACM [ACM82], pages 114–121. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Willard:1984:LLP**
- Dan E. Willard. Log-logarithmic protocols for resolving Ethernet and semaphore conflicts. In ACM [ACM84], pages 512–521. ISBN 0-89791-133-4. LCCN QA 76.6 A13 1984. ACM order no. 508840.

- [Wil85] **Wilber:1985:WPH**
 R. Wilber. White pebbles help. In ACM [ACM85], pages 103–112. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p103-wilber/>; <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p103-wilber/p103-wilber.pdf>. ACM order no. 508850.
- [Yan81] **Yannakakis:1981:ICD** [Yao80]
 Mihalis Yannakakis. Issues of correctness in database concurrency control by locking. In ACM [ACM81], pages 363–367. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- [Yan86] **Yannakakis:1986:FPN** [Yao81a]
 M. Yannakakis. Four pages are necessary and sufficient for planar graphs. In ACM [ACM86], pages 104–108. ISBN 0-89791-193-8. LCCN QA 76.6 A13 1986. URL <http://www.acm.org/pubs/citations/proceedings/stoc/12130/p104-yannakakis/>; <http://www.acm.org/pubs/articles/proceedings/stoc/12130/p104-yannakakis/p104-yannakakis.pdf>. ACM order no. 508860. [Yao81b]
- [Yan88] **Yannakakis:1988:ECO**
 Mihalis Yannakakis. Expressing combinatorial optimization problems by linear programs. In ACM [ACM88], pages 223–228. ISBN 0-89791-264-0. LCCN QA 76.6 A13 1988. URL <http://www.acm.org/pubs/citations/proceedings/stoc/62212/p223-yannakakis/>; <http://www.acm.org/pubs/articles/proceedings/stoc/62212/p223-yannakakis/p223-yannakakis.pdf>. ACM order no. 508880.
- Yao:1980:EDP**
 F. Frances Yao. Efficient dynamic programming using quadrangle inequalities. In ACM [ACM80], pages 429–435. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Yao:1981:ELV**
 Andrew C. Yao. The entropic limitations on VLSI computations(extended abstract). In ACM [ACM81], pages 308–311. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.
- Yao:1981:PCK**
 Andrew Chi-Chih Yao. On the parallel computation for the knapsack problem. In ACM [ACM81], pages 123–127. ISBN 0-89791-041-9 (paperback). LCCN ???? ACM order no. 508810. Also published in *Journal of computer and system sciences*, vol. 26, no. 3.

- Yao:1982:STT**
- [Yao82] Andrew C. Yao. Space-time tradeoff for answering range queries (extended abstract). In ACM [ACM82], pages 128–136. ISBN 0-89791-070-2. LCCN QA75.5 .A14 1982. ACM order no. 508820.
- Yao:1983:SPA**
- [Yao83] F. Frances Yao. A 3-space partition and its applications. In ACM [ACM83], pages 258–263. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Yao:1989:CLC**
- [Yao89] A. C. Yao. Circuits and local computation. In ACM [ACM89], pages 186–196. ISBN 0-89791-307-8. LCCN QA 76.6 A13 1989. URL <http://www.acm.org/pubs/articles/proceedings/stoc/73007/p186-yao/p186-yao.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/73007/p186-yao/>. ACM order no. 508890.
- Yap:1980:STT**
- [Yap80] C. K. Yap. Space-time tradeoffs and first order problems in a model of programs. In ACM [ACM80], pages 318–325. ISBN 0-89791-017-6 (paperback). LCCN QA 76.6 A13 1980. US\$17.00 (US\$14.00 to members). ACM order no. 508800.
- Young:1983:SSP**
- [You83] Paul Young. Some structural properties of polynomial reducibilities and sets in NP. In ACM [ACM83], pages 392–401. ISBN 0-89791-099-0. LCCN QA75.5.A14 1983. ACM order no. 508830.
- Yao:1985:GAD**
- [YY85] A. C. Yao and F. F. Yao. A general approach to d -dimensional geometric queries. In ACM [ACM85], pages 163–168. ISBN 0-89791-151-2 (paperback). LCCN QA 76.6 A13 1985. URL <http://www.acm.org/pubs/articles/proceedings/stoc/22145/p163-yao/p163-yao.pdf>; <http://www.acm.org/pubs/citations/proceedings/stoc/22145/p163-yao/>. ACM order no. 508850.