

List of Publications

Tetsuo Asano
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Proceedings of International Conferences

[111] Tetsuo Asano: “A New Transportation Problem on a Graph with Sending and Bringing-Back Operations,” WALCOM 2021: 13-24.

[110] Tetsuo Asano, Taisuke Izumi, Masashi Kiyomi, Matsuo Konagaya, Hirotaka Ono, Yota Otachi, Pascal Schweitzer, Jun Tarui, Ryuhei Uehara: ” Depth-First Search Using $O(n)$ Bits,” ISAAC 2014: 553-564.

[109] Tetsuo Asano, David G. Kirkpatrick, Kotaro Nakagawa, Osamu Watanabe: ” $O(n)$ -Space and Polynomial-Time Algorithm for Planar Directed Graph Reachability,” MFCS (2) 2014: 45-56.

[108] Tetsuo Asano, Amr Elmasry, and Jyrki Katajainen, ”Priority Queues and Sorting for Read-Only Data,” TAMC 2013: 32-41.

[107] T. Asano, S. Bereg, ”A New Framework for Connected Components Labeling of Binary Images,” Proc. of the 15th International Workshop on Combinatorial Image Analysis, pp.90-102, Austin, USA, November, 2012.

[106] T. Asano, S. Bereg, L. Buzer, ”Small Work Space Algorithms for Some Basic Problems on Binary Images,” Proc. of the 15th International Workshop on Combinatorial Image Analysis, pp.103-114, Austin, USA, November, 2012.

[105] Tetsuo Asano, Kevin Buchin, Maike Buchin, Matias Korman, Wolfgang Mulzer, Gunter Rote, Andre Schulz ” Memory-Constrained Algorithms for Simple Polygons, Proc. European Workshop on Computational Geometry, 2012.

[104] Tetsuo Asano and Benjamin Doerr, “Memory-Constrained Algorithms for Shortest Path Problem,” Proc. Canadian Conference on Computational Geometry, Toronto, pp:135-138, 2011.

[103] Tetsuo Asano. “Nearest Larger Neighbors Problem and Memory-Constrained Algorithms,” Abstract of International Workshop on Combinatorial Algorithms, University of Victoria, June 20-22, 2011 (Plenary Talk).

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[101] Tetsuo Asano and Matsuo Konagaya, “Zero-space Data structure for farthest-point Voronoi diagram,” Abstract of the 4th Annual Meeting of Asian Association for Algorithms and Computation, p.44, HsinChu, Taiwan, April, 2011.

[100] Tetsuo Asano, “Resource-Constrained Algorithms: Space-Time Tradeoffs,” to appear in Proc. WAAC 2010, Korea-Japan Workshop on Algorithms and Computation, Kanazawa, pp. 190-201, July,

2010.

[99] Tetsuo Asano, Jesper Jansson, Kunihiro Sadakane, Ryuhei Uehara, and Gabriel Valiente, "Faster Computation of the Robinson-Foulds Distance between Phylogenetic Networks," to appear in Proc. 21st Combinatorial Pattern Matching, 2010.

[98] T. Asano, "Do We Need a Stack to Erase a Component in a Binary Image?," Fifth International Conference on FUN WITH ALGORITHMS, pp.16-27, 2010.

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[96] T. Asano, W. Mulzer, and Y. Wang, "Constant-Work-Space Algorithm for a Shortest Path in a Simple Polygon," (Invited talk) Proc. 4th International Workshop on Algorithms and Computation, WALCOM, Dhaka, Bangladesh, pp.9-20, February 2010 (Lecture Notes of Computer Science, LNCS 5942, Springer).

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- [69] T. Asano: "Computational Geometric and Combinatorial Approaches to Digital Halftoning," Computing: The Australasian Theory Symposium, January 16-19, 2006.
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