

List of Publications

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1 Referred Articles

- [1] J. Maßberg:
Perfect Graphs and Guarding Rectilinear Art Galleries.
Accepted for publication in *Discrete & Computational Geometry* (2014)
- [2] S. Fujishige, J. Maßberg:
Dual Consistent Systems of Linear Inequalities and Cardinality Constrained Polytopes.
Mathematical Programming, Series B (2014), DOI:10.1007/s10107-014-0748-2, in press
- [3] J. Maßberg:
Online Binary Minimax Trees.
Discrete Applied Mathematics 161 (16-17), 2556-2562 (2013)
- [4] J. Maßberg, T. Nieberg:
Rectilinear Paths with Minimum Segment Lengths.
Discrete Applied Mathematics 161 (12), 1769–1775 (2013)
- [5] S. Fujishige, J. Maßberg:
Dual Consistent Systems of Linear Inequalities and Cardinality Constrained Polytopes.
Proceedings of the 2nd ISCO, LNCS 7422, 153–164 (2012)
- [6] J. Maßberg, J. Schneider:
Rectangle Packing with Additional Restrictions.
Theoretical Computer Science 412 (50), 6948–6958 (2011)
- [7] C. Bartoschek, S. Held, J. Maßberg, D. Rautenbach, J. Vygen:
The Repeater Tree Construction Problem.
Information Processing Letters 110, 1079–1083 (2010)
- [8] J. Maßberg, D. Rautenbach:
Binary Trees with Choosable Edge Lengths.
Information Processing Letters 109 (18), 1087–1092 (2009)
- [9] J. Maßberg, J. Vygen:
Approximation Algorithms for a Facility Location Problem with Service Capacities.
ACM Transactions of Algorithms 4 (2008), Article 50

- [10] J. Maßberg, J. Vygen:
Approximation Algorithms for Network Design and Facility Location with Service Capacities.
Proceedings of the 8th International Workshop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX 2005), 158–169
- [11] S. Held, B. Korte, J. Maßberg, M. Ringe, J. Vygen:
Clock Scheduling and Clocktree Construction for High Performance ASICs.
Proceedings of the IEEE International Conference on Computer-Aided Design (2003), 232–239

2 Submitted Manuscripts and Manuscripts in Preparation

- [12] J. Maßberg:
Rectilinear Steiner trees with given topology and length restrictions.
Manuscript in preparation (2014)
- [13] J. Maßberg and J. Schneider:
The Facility Location Ratio in the Plane.
Submitted to SWAT 2014
- [14] J. Maßberg:
Generalized Huffman Coding for Binary Trees with Choosable Edge Lengths.
arXiv:1402.3435, Submitted to WG 2014

3 Further Publications

- [15] J. Maßberg, T. Nieberg:
Colored Independent Sets.
Proceedings of the 8th Cologne-Twente Workshop on Graphs and Combinatorial Optimization (2009), 35–39
- [16] J. Maßberg, J. Schneider
Rectangle Packing with Additional Restrictions.
Proceedings of the 8th Cologne-Twente Workshop on Graphs and Combinatorial Optimization (2009), 84–86
- [17] J. Maßberg:
Lower Bounds for the Sink Clustering Problem.
Technical Report No. 08984, Research Institute for Discrete Mathematics, University of Bonn, 2008

4 Theses

- [18] J. Maßberg:
Facility Location and Clock Tree Synthesis.
PhD Thesis, University of Bonn, 2009.
- [19] J. Maßberg:
Clocktreedesign mit optimalen Ankunftszeitintervallen.
Diploma Thesis, University of Bonn, 2002