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	Nota di contenuto	Optimal Binary Representation of Mosaic Floorplans and Baxter Permutations / Bryan He -- Succinct Strictly Convex Greedy Drawing of 3-Connected Plane Graphs / Jiun-Jie Wang and Xin He -- Weighted Inverse Minimum Cut Problem under the Sum-Type Hamming Distance / Longcheng Liu, Yong Chen, Biao Wu and Enyu Yao -- Voronoi Diagram with Visual Restriction / Chenglin Fan, Jun Luo, Wencheng Wang and Binhai Zhu -- Minimization of the Maximum Distance between the Two Guards Patrolling a Polygonal Region / Xuehou Tan and Bo Jiang -- On Covering Points with Minimum Turns / Minghui Jiang -- On Envy-Free Pareto Efficient Pricing / Xia Hua -- Online

Pricing for Multi-type of Items / Yong Zhang, Francis Y. L. Chin and Hing-Fung Ting -- Algorithms with Limited Number of Preemptions for Scheduling on Parallel Machines / Yiwei Jiang, Zewei Weng and Jueliang Hu -- Computing Maximum Non-crossing Matching in Convex Bipartite Graphs / Danny Z. Chen, Xiaomin Liu and Haitao Wang -- Algorithms for Bandwidth Consecutive Multicolorings of Graphs / (Extended Abstract) / Kazuhide Nishikawa, Takao Nishizeki and Xiao Zhou. Independent Domination on Tree Convex Bipartite Graphs / Yu Song, Tian Liu and Ke Xu -- On-Line Scheduling of Parallel Jobs in Heterogeneous Multiple Clusters / Deshi Ye and Lili Mei -- On Multiprocessor Temperature-Aware Scheduling Problems / Evripidis Bampis, Dimitrios Letsios, Giorgio Lucarelli, Evangelos Markakis and Ioannis Milis -- Online Minimum Makespan Scheduling with a Buffer / Yan Lan, Xin Chen, Ning Ding, Gyorgy Dosa and Xin Han -- A Dense Hierarchy of Sublinear Time Approximation Schemes for Bin Packing / Richard Beigel and Bin Fu -- Multivariate Polynomial Integration and Differentiation Are Polynomial Time Inapproximable Unless P=NP / Bin Fu -- Some Remarks on the Incompressibility of Width-Parameterized SAT Instances / Bangsheng Tang -- Kernels for Packing and Covering Problems / (Extended Abstract) / Jianer Chen, Henning Fernau, Peter Shaw, Jianxin Wang and Zhibiao Yang -- The Worst-Case Upper Bound for Exact 3-Satisfiability with the Number of Clauses as the Parameter / Junping Zhou and Minghao Yin -- Fixed-Parameter Tractability of almost CSP Problem with Decisive Relations / Chihao Zhang and Hongyang Zhang -- On Editing Graphs into 2-Club Clusters / Hong Liu, Peng Zhang and Daming Zhu.
Solving Generalized Optimization Problems Subject to SMT Constraints / Feifei Ma, Jun Yan and Jian Zhang -- Solving Difficult SAT Problems by Using OBDDs and Greedy Clique Decomposition / Yanyan Xu, Wei Chen, Kaile Su and Wenhui Zhang -- Zero-Sum Flow Numbers of Regular Graphs / Tao-Ming Wang and Shih-Wei Hu -- More Efficient Parallel Integer Sorting / Yijie Han and Xin He -- Fast Relative Lempel-Ziv Self-index for Similar Sequences / Huy Hoang Do, Jesper Jansson, Kunihiko Sadakane and Wing-Kin Sung -- A Comparison of Performance Measures via Online Search / Joan Boyar, Kim S. Larsen and Abyayananda Maiti -- Online Exploration of All Vertices in a Simple Polygon / Yuya Higashikawa and Naoki Katoh -- In-Place Algorithms for Computing a Largest Clique in Geometric Intersection Graphs / Minati De, Subhas C. Nandy and Sasanka Roy -- The Black-and-White Coloring Problem on Distance-Hereditary Graphs and Strongly Chordal Graphs / Ton Kloks, Sheung-Hung Poon, Feng-Ren Tsai and Yue-Li Wang -- An Improved Approximation Algorithm for the Bandpass Problem / Weitian Tong, Randy Goebel, Wei Ding and Guohui Lin -- Partial Degree Bounded Edge Packing Problem / Peng Zhang -- Erratum: The Approximability of the Exemplar Breakpoint Distance Problem / Zhixiang Chen, Bin Fu and Binhai Zhu.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 6th International Frontiers of Algorithmics Workshop, FAW 2012, and the 8th International Conference on Algorithmic Aspects in Information and Management, AAIM 2012, jointly held in Beijing, China, in May 2012. The 33 revised full papers presented together with 4 invited talks were carefully reviewed and selected from 81 submissions. The papers are organized in topical sections on algorithms and data structures, algorithmic game theory and incentive analysis, biomedical imaging algorithms, communication networks and optimization, computational learning theory, knowledge discovery, and data mining, experimental algorithmic methodologies, optimization algorithms in economic and operations research, pattern recognition algorithms and trustworthy |