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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 7434
Disciplina	005.1
Soggetti	Algorithms Computer science—Mathematics Discrete mathematics Computer networks Computer science Computer graphics Artificial intelligence Discrete Mathematics in Computer Science Computer Communication Networks Theory of Computation Computer Graphics Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	A Linear Time Algorithm for Computing Minmax Regret 1-Median on a Tree -- A Simple D2-Sampling Based PTAS for k-Means and other Clustering Problems -- Speed Scaling for Maximum Lateness -- Induced Subgraph Isomorphism: Are Some Patterns Substantially -- Easier Than Others -- Minimum Single-Source-Multi-Sink Cuts in Weighted Planar Graphs -- Online Knapsack Problem with Removal Cost -- An Improved Exact Algorithm for TSP in Degree-4 Graphs -- Dynamic Programming for H-minor-free Graphs -- Restricted Max-Min

Fair Allocations with Inclusion-Free Intervals -- An Improved Algorithm for Packing T-Paths in Inner Eulerian Networks -- Towards Optimal and Expressive Kernelization for d-Hitting Set.-Maximum Number of Minimal Feedback Vertex Sets in Chordal Graphs and Cographs -- A Local Algorithm for Finding Dense Bipartite-Like Subgraphs -- Algorithms for the Strong Chromatic Index of Halin Graphs, Distance-Hereditary Graphs and Maximal Outerplanar Graphs -- On the Minimum Degree Hypergraph Problem with Subset Size Two and the Red-Blue Set Cover Problem with the Consecutive Ones Property -- Rainbow Colouring of Split and Threshold -- Constant Time Enumeration of Bounded-Size Subtrees in Trees and Its Succinct Representations of Binary Trees for Range Minimum Queries.

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Sommario/riassunto

This book constitutes the refereed proceedings of the 18th Annual International Conference on Computing and Combinatorics, held in Sydney, Australia, in August 2012. The 50 revised full papers presented were carefully reviewed and selected from 121 submissions.

Topics covered are algorithms and data structures; algorithmic game theory and online algorithms; automata, languages, logic, and computability; combinatorics related to algorithms and complexity; complexity theory; computational learning theory and knowledge discovery; cryptography, reliability and security, and database theory; computational biology and bioinformatics; computational algebra, geometry, and number theory; graph drawing and information visualization; graph theory, communication networks, and optimization.

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