Record Nr. UNISA996466335703316 Algorithms and Computation [[electronic resource]]: 18th International **Titolo** Symposium, ISAAC 2007, Sendai, Japan, December 17-19, 2007. Proceedings / / edited by Takeshi Tokuyama Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, Pubbl/distr/stampa 2007 **ISBN** 3-540-77120-4 Edizione [1st ed. 2007.] Descrizione fisica 1 online resource (XVII, 929 p.) Theoretical Computer Science and General Issues, , 2512-2029;; 4835 Collana 005.1 Disciplina Soggetti Computer science Algorithms Computer science—Mathematics Discrete mathematics Numerical analysis Computer networks Computer graphics Theory of Computation Discrete Mathematics in Computer Science **Numerical Analysis** Computer Communication Networks Computer Graphics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di contenuto Invited Talk -- Modeling and Analyzing Massive Terrain Data Sets --Coloring Triangle-Free Graphs on Surfaces -- Best Paper Award Presentation -- Integer Representation and Counting in the Bit Probe Model -- 1A Graph Algorithms I -- Minimum Degree Orderings --Greedy Approximation for Source Location Problem with Vertex-Connectivity Requirements in Undirected Graphs -- Dynamic Distance

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Sommario/riassunto

This book constitutes the refereed proceedings of the 18th International Symposium on Algorithms and Computation, ISAAC 2007, held in Sendai, Japan, in December 2007. The 77 revised full papers presented together with 2 invited talks were carefully reviewed and selected from 220 submissions. The papers are organized in topical sections on graph algorithms, computational geometry, complexity, graph drawing, distributed algorithms, optimization, data structure, game theory, database applications, online algorithms, I/O algorithms, networks, geometric applications, and string.