Record Nr. UNISA996465510003316 Graph Theory and Algorithms [[electronic resource]]: 17th Symposium **Titolo** of Research Institute of Electrical Communication, Tohoku University, Sendai, Japan, October 24-25, 1980. Proceedings / / edited by N. Saito, T. Nishizeki Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, 1981 **ISBN** 3-540-38661-0 Edizione [1st ed. 1981.] Descrizione fisica 1 online resource (VIII, 220 p.) Collana Lecture Notes in Computer Science, , 0302-9743; ; 108 Disciplina 005.1 Soggetti Algorithms Algorithm Analysis and Problem Complexity Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di contenuto Dividing a system into almost unidirectional blocks -- A linear algorithm for five-coloring a planar graph -- On the layering problem of multilayer PWB wiring -- A status on the linear arboricity -- On centrality functions of a graph -- Canonical decompositions of symmetric submodular systems -- The subgraph homeomorphism problem on reducible flow graphs -- Combinatorial problems on series-parallel graphs -- A graph-planarization algorithm and its application to random graphs -- Some common properties for regularizable graphs, edge-critical graphs and b-graphs -- "Dualities" in graph theory and in the related fields viewed from the metatheoretical standpoint -- On central trees of a graph -- On polynomial time computable problems -- Homomorphisms of graphs and their global maps -- Algorithms for some intersection graphs --An efficient algorithm to find a Hamiltonian circuit in a 4-connected maximal planar graph -- Characterization of polyhex graphs as applied to chemistry -- The two disjoint path problem and wire routing design.