Record Nr. UNISA996464449703316 Graph-Theoretic Concepts in Computer Science [[electronic resource]]: Titolo 47th International Workshop, WG 2021, Warsaw, Poland, June 23–25, 2021, Revised Selected Papers / / edited by ukasz Kowalik, Micha Pilipczuk, Pawe Rzewski Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2021 **ISBN** 3-030-86838-9 Edizione [1st ed. 2021.] Descrizione fisica 1 online resource (417 pages) Theoretical Computer Science and General Issues, , 2512-2029;; Collana 12911 Disciplina 511.5 Mathematics - Data processing Soggetti Data structures (Computer science) Information theory Algorithms Computer science - Mathematics Discrete mathematics Computational Mathematics and Numerical Analysis Data Structures and Information Theory Design and Analysis of Algorithms Discrete Mathematics in Computer Science Teoria de grafs Processament de dades Informàtica Congressos Llibres electrònics Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Preprocessing to Reduce the Search Space: Antler Structures for Feedback Vertex Set -- Parameterized complexity of Bandwidth of Caterpillars and Weighted Path Emulation -- Block Elimination Distance

-- On Fair Covering and Hitting Problems -- On the Parameterized

Complexity of the Connected Flow and Many Visits TSP Problem -- FPT Algorithms to Compute the Elimination Distance to Bipartite Graphs and More -- Disjoint Stable Matchings in Linear Time --Complementation in T-perfect Graphs -- On subgraph complementation to H-free graphs -- Odd Cycle Transversal in Mixed Graphs -- Preventing Small \$(s, t)\$-Cuts by Protecting Edges --Completion to chordal distance-hereditary graphs: a quartic vertexkernel -- A heuristic approach to the treedepth decomposition problem for large graphs -- The Perfect Matching Cut Problem Revisited -- The Complexity of Gerrymandering Over Graphs: Paths and Trees --Feedback Vertex Set on Hamiltonian Graphs -- Towards Classifying the Polynomial-Time Solvability of Temporal Betweenness Centrality -- The Dynamic Complexity of Acyclic Hypergraph Homomorphisms --Linearizable special cases of the quadratic shortest path problem -- A Linear-time Parameterized Algorithm for Computing the Width of a DAG -- On Morphing 1-Planar Drawings -- Bears with Hats and Independence Polynomials -- The Largest Connected Subgraph Game -- Can Romeo and Juliet Meet? Or Rendezvous Games with Adversaries -- Beyond Helly graphs: the diameter problem on absolute retracts --Acyclic, Star, and Injective Colouring: Bounding the Diameter -- The Graphs of Stably Matchable Pairs -- On additive spanners in weighted graphs with local error -- Labeling Schemes for Deterministic Radio Multi-Broadcast -- On 3-Coloring of (2P_4, C_5)-Free Graphs.

Sommario/riassunto

Chapter "Bears with Hats and Independence Polynomials" is are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.