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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	On the Expected Runtime and the Success Probability of Evolutionary Algorithms (Invited Presentation) -- n Points and One Line: Analysis of Randomized Games (Abstract of Invited Lecture) -- Approximating Call-Scheduling Makespan in All-Optical Networks -- New Spectral Lower Bounds on the Bisection Width of Graphs -- Traversing Directed Eulerian Mazes (Extended Abstract) -- On the Space and Access Complexity of Computation DAGs -- Approximating the Treewidth of AT-Free Graphs -- Split-Perfect Graphs: Characterizations and Algorithmic Use -- Coarse Grained Parallel Algorithms for Detecting Convex Bipartite Graphs -- Networks with Small Stretch Number

(Extended Abstract) -- Efficient Dispersion Algorithms for Geometric Intersection Graphs -- Optimizing Cost Flows by Modifying Arc Costs and Capacities -- Update Networks and Their Routing Strategies -- Computing Input Multiplicity in Anonymous Synchronous Networks with Dynamic Faults -- Diameter of the Knödel Graph -- On the Domination Search Number -- Efficient Communication in Unknown Networks -- Graph Coloring on a Coarse Grained Multiprocessor (Extended Abstract) -- The Tree-Width of Clique-Width Bounded Graphs without K n,n -- Tree Spanners for Subgraphs and Related Tree Covering Problems -- Minimal Size of Piggybacked Information for Tracking Causality: A Graph-Based Characterization -- The Expressive Power and Complexity of Dynamic Process Graphs -- Bandwidth of Split and Circular Permutation Graphs -- Recognizing Graphs without Asteroidal Triples (Extended Abstract) -- Budget Constrained Minimum Cost Connected Medians -- Coloring Mixed Hypertrees -- A Linear-Time Algorithm to Find Independent Spanning Trees in Maximal Planar Graphs -- Optimal Fault-Tolerant Routings for k-Connected Graphs with Smaller Routing Tables.

Sommario/riassunto

The 26th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2000) was held at Waldhaus Jakob, in Konstanz, Germany, on 15{ 17 June 2000. It was organized by the Algorithms and Data Structures Group of the Department of Computer and Information Science, University of K- stanz, and sponsored by Deutsche Forschungsgemeinschaft (DFG) and Univ- sit¨atsgesellschaft Konstanz. The workshop aims at uniting theory and practice by demonstrating how graph-theoretic concepts can be applied to various areas in computer science, or by extracting new problems from applications. The goal is to present recent research results and to identify and explore directions for future research. The workshop looks back on a remarkable tradition of more than a quarter of a century. Previous Workshops have been organized in various places in Europe, and submissions come from all over the world. This year, 57 attendees from 13 di erent countries gathered in the relaxing atmosphere of Lake Constance, also known as the Bodensee. Out of 51 submis- ons, the program committee carefully selected 26 papers for presentation at the workshop. This selection re?ects current research directions, among them graph and network algorithms and their complexity, algorithms for special graph cl- ses, communication networks, and distributed algorithms. The present volume contains these papers together with the survey presented in an invited lecture by Ingo Wegener (University of Dortmund) and an extended abstract of the invited lecture given by Emo Welzl (ETH Zuric ¨ h).