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Nota di contenuto	ALENEX'01 -- Solving a "Hard" Problem to Approximate an "Easy" One: Heuristics for Maximum Matchings and Maximum Traveling Salesman Problems -- CNOP - A Package for Constrained Network Optimization -- The Asymmetric Traveling Salesman Problem: Algorithms, Instance Generators, and Tests -- Network Tomography through End-to-End Measurements -- Experimental Results on Statistical Approaches to Page Replacement Policies -- Estimating Resemblance of MIDI Documents -- Experiments on Adaptive Set Intersections for Text Retrieval Systems -- PVD: A Stable Implementation for Computing

Voronoi Diagrams of Polygonal Pockets -- Hierarchical Clustering of Trees: Algorithms and Experiments -- Travel Planning with Self-Made Maps -- New Algorithmic Challenges Arising in Measurement-Driven Networking Research -- A Probabilistic Spell for the Curse of Dimensionality -- Experimental Evaluation of the Height of a Random Set of Points in a d-Dimensional Cube -- An Empirical Study of a New Approach to Nearest Neighbor Searching -- Spectral Analysis for Data Mining -- Trade Off Between Compression and Search Times in Compact Suffix Array -- Implementation of a PTAS for Scheduling with Release Dates -- Biased Skip Lists for Highly Skewed Access Patterns.

Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the Third International Workshop on Algorithm Engineering and Experimentation, ALENEX 2001, held in Washington, DC, USA in January 2001. The 15 revised full papers presented together with the abstracts of three invited presentations have gone through two rounds of reviewing and revision and were selected from 31 submissions. Among the topics addressed are heuristics for approximation, network optimization, TSP, randomization, sorting, information retrieval, graph computations, tree clustering, scheduling, network algorithms, point set computations, searching, and data mining.
