Design of Practical and Provably Good Random Number Generators

On the Statistical Dependencies of Coalesced Hashing and Their Implications for Both Full and Limited Independence

On-line Approximate List Indexing with Applications

Selecting the Median

Chaining Multiple-Alignment Fragments in Sub-Quadratic Time

On the Entropy of DNA: Algorithms and Measurements Based on Memory and Rapid Convergence

Improved Algorithms for Protein Motif Recognition

Computing the Local Consensus of Trees

Polynomial Methods for Separable Convex Optimization in Unimodular Spaces

Algorithms for Graphic Polymatroids and Parametric s-Sets: In Memory of Eugene L. Lawler

A Combinatorial Algorithm for Minimizing Symmetric Submodular Functions

From Valid Inequalities to Heuristics: A Unified View of Primal-Dual Approximation Algorithms in Covering Problems

Doing Two-Level Logic Minimization 100 Times Faster

Finding Optimal Edge-Rankings of Trees

Efficient Parallel Computations for Singular Band Matrices

External-Memory Graph Algorithms

Finding Subsets Maximizing Minimum Structures

Approximating Discrete Collections via Local Improvements

Randomized Rounding Without Solving the Linear Program

Average-Case Analysis of Off-Line and On-Line Knapsack Problems

Dihedral Bounds for Mesh Generation in High Dimensions

Voronoi Diagrams of Lines in 3-Space Under Polyhedral Convex Distance Functions

Multiple Translational Containment: Approximate and Exact Algorithms

A New Way to Weigh Malnourished Euclidean Graphs

Path Optimization and Near-Greedy Analysis for Graph Partitioning: An Empirical Study

On the Performance of Spectral Graph Partitioning Methods

Guaranteeing Fair Service to Persistent Dependent Tasks

Adapted Diameters and the Efficient Computation of Fourier Transforms on Finite Groups

Algorithms for Dynamic Closest Pair and n-Body Potential Fields

Circular Separability of Polygon

Output-Sensitive Construction of Polytopes in Four Dimensions and Clipped Voronoi Diagrams in Three

On the All-Pairs Euclidean Short Path Problem

Locally Orientable Graphs, Cell Structures, and a New Algorithm for the Incremental Maintenance of Connectivity Carcasses

Average Case Analysis of Dynamic Graph Algorithms

An Analysis of Some Heuristics for the Maximum Planar Subgraph Problem

An Approximation Algorithm for Minimum-Cost Vertex-Connectivity Problems
Algorithms for the Optimal Loading of Recursive Neural Nets
Using Network Flows for Surface Modeling
Register Allocation in Structured Programs
Lower Bounds for Identifying Subset Members with Subset Queries
The P-range Tree: A New Data Structure for Range Searching in Secondary Memory
Lower Bounds for Linear Satisfiability Problems
Morphing Binary Trees
Computing a Minimum-Weight k-Link Path in Graphs with the Concave Monge Property
Improved Randomized On-Line Algorithms for the List Update Problem
On Algorithm Design for Metrical Task Systems
Online Bin Packing with Lookahead
Localizing a Robot with Minimum Travel
Practical Methods for Approximating Shortest Paths on a Convex Polytope in \( \mathbb{R}^3 \)
Trustee-based Tracing Extensions to Anonymous Cash and the Making of Anonymous Change
The Statistical Adversary Allows Optimal Money-Making Trading Strategies
Fairness in Scheduling
Fast Deterministic Approximation for the Multicommodity Flow Problem
Fast Approximation Algorithm for Minimum Cost Multicommodity Flow
Improved Interior Point Algorithms for Exact and Approximate Solution of Multicommodity Flow Problems
The Quickest Transshipment Problem
Splay Trees for Data Compression
Fast Incremental Text Editing
Parameterized Pattern Matching by Boyer-Moore-type Algorithms
Counting and Random Generation of Strings in Regular Languages
Greedy Dynamic Routing on Arrays
Improved Bounds for All Optical Routing
Broadcast in Radio Networks
Optimal One-Way Sorting on a One-Dimensional Sub-Bus Array
A Fast Algorithm for the Computation and Enumeration of Perfect Phylogenies when the Number of Character States is Fixed
Of Mice and Men: Algorithms for Evolutionary Distances Between Genomes with Translocation
Sorting Permutations by Transpositions
Graph Isomorphism Testing without Numerics for Graphs of Bounded Eigenvalue Multiplicity
Subgraph Isomorphism in Planar Graphs and Related Problems
Characterizations of k-Terminal Flow Networks and Computing Network Flows in Partial k-Trees