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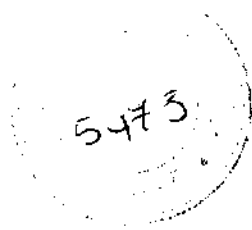
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Preface

The papers in this volume were presented at the SIGAL International Symposium on Algorithms. The workshop took place from August 16 to August 18, 1990, at CSK Information Education Center in Tokyo, Japan. It was organized by the Special Interest Group on Algorithms (SIGAL) of the Information Processing Society of Japan (IPSJ) in cooperation with the Technical Group on Theoretical Foundation of Computing of the Institute of Electronics, Information and Communication Engineers.

SIGAL was organized in IPSJ in 1988 to encourage research in the field of discrete algorithms in Japan and the world, and held 6 to 8 research meetings in each year. This symposium was the first international symposium on algorithms organized by SIGAL, and will be held regularly in future.

In response to the program committee's call for papers, 88 papers were submitted. From these submissions, the program committee selected 34 for presentation at the symposium. In addition to these papers, the symposium included 5 invited talks and 10 invited papers.

August 1990

Tetsuo Asano
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Table of Contents

Session I-1: Invited Talk

- Recent Progress in String Algorithms* (Abstract) 1
Z. Galil (Columbia Univ. and Tel Aviv Univ.)

Session I-2: Invited Talk

- Selection Networks* 2
N. Pippenger (Univ. of British Columbia)

Session A-1

- Computing Edge-Connectivity in Multiple and Capacitated Graphs* 12
H. Nagamochi and T. Ibaraki (Kyoto Univ.)
Efficient Sequential and Parallel Algorithms for Planar Minimum Cost Flow 21
H. Imai (Univ. of Tokyo) and K. Iwano (IBM Res., Tokyo Research Lab.)

Session B-1

- Structural Analyses on the Complexity of Inverting Functions* 31
O. Watanabe (Tokyo Inst. of Technology) and S. Toda (Univ. of Electro-Communications)
Oracles versus Proof Techniques that Do Not Relativize† 39
E. Allender (Rutgers Univ.)

Session A-2

- 20-Relative Neighborhood Graphs Are Hamiltonian†* 53
M. S. Chang (National Chung Cheng Univ.), C. Y. Tang and R. C. T. Lee (National Tsing Hua Univ.)
The K-Gabriel Graphs and Their Applications 66
T.-H. Su and R.-C. Chang (National Chiao Tung Univ.)

Session B-2

- Parallel Algorithms for Generating Subsets and Set Partitions* 76
B. Djokić (Univ. of Miami), M. Miyakawa, S. Sekiguchi (Electrotechnical Lab.), I. Semba (Ibaraki Univ.) and I. Stojmenović (Univ. of Ottawa)
Parallel Algorithms for Linked List and Beyond† 86
Y. Han (Univ. of Kentucky)

Session A-3

- Local Tournaments and Proper Circular Arc Graphs†* 101
P. Hell (Simon Fraser Univ.), J. Bang-Jensen (Univ. of Copenhagen) and J. Huang (Simon Fraser Univ.)
Fast Algorithms for the Dominating Set Problem on Permutation Graphs 109
K.-H. Tsai and W.-L. Hsu (Northwestern Univ. and Academia Sinica)

Session B-3

- Two Probabilistic Results on Merging* 118
 W. F. de la Vega (Univ. Paris-Sud), S. Kannan (Univ. of California, Berkeley)
 and M. Santha (Univ. Paris-Sud)
- Randomized Broadcast in Networks* 128
 U. Feige, D. Peleg (Weizmann Inst. of Science), P. Raghavan (IBM
 T. J. Watson Res. Ctr.) and E. Upfal (IBM Almaden Res. Ctr.)

Session I-3: Invited Talk

- On the Construction of Abstract Voronoi Diagrams, II* 138
 R. Klein (Univ.-GHS-Essen), K. Mehlhorn and S. Meiser (Univ. des
 Saarlandes)

Session I-4: Invited Talk

- Searching in Higher Dimension (Abstract)* 155
 B. Chazelle (Princeton Univ.)

Session A-4

- Finding Extrema with Unary Predicates†* 156
D. G. Kirkpatrick and F. Gao (Univ. of British Columbia)
- Implicitly Searching Convolutions and Computing Depth of Collision†* 165
 D. Dobkin (Princeton Univ.), J. Hershberger (DEC SRC), D. Kirkpatrick
 (Univ. of British Columbia) and S. Suri (Bellcore)

Session B-4

- Characterization for a Family of Infinitely Many Irreducible Equally Spaced
 Polynomials* 181
 T. Itoh (Tokyo Inst. of Technology)
- Distributed Algorithms for Deciphering* 191
 M. Cosnard and J.-L. Philippe (Ecole Normale Supérieure de Lyon)

Session A-5

- An Efficient Algorithm for Optimal Loop Parallelization* 201
 K. Iwano and S. Yeh (IBM Res., Tokyo Research Lab.)
- Another View on the SSS* Algorithm* 211
 W. Pijls and A. de Bruin (Erasmus Univ. Rotterdam)

Session B-5

- Algorithms from Complexity Theory: Polynomial-Time Operations for
 Complex Sets†* 221
 L. A. Hemachandra (Univ. of Rochester)
- Complexity Cores and Hard Problem Instances†* 232
 U. Schöning (Univ. Ulm)

Session A-6

<i>Spatial Point Location and Its Applications</i>	241
X.-H. Tan, T. Hirata and Y. Inagaki (Nagoya Univ.)	
<i>Sublinear Merging and Natural Merge Sort</i>	251
S. Carlsson, C. Levcopoulos and O. Petersson (Lund Univ.)	
<i>Constructing Strongly Convex Approximate Hulls with Inaccurate Primitives</i>	261
L. Guibas (Stanford Univ. and DEC SRC), D. Salesin (Stanford Univ.) and J. Stolfi (DEC SRC)	

Session B-6

<i>Computing Puiseux-Series Solutions to Determinantal Equations via Combinatorial Relaxation</i>	271
K. Murota (Univ. of Tokyo)	
<i>A Tight Lower Bound on the Size of Planar Permutation Networks†</i>	281
M. Klawe (Univ. of British Columbia) and T. Leighton (MIT)	

Session I-5: Invited Talk

<i>Simultaneous Solution of Families of Problems</i>	288
R. Hassin (Tel Aviv Univ.)	

Session A-7

<i>Algorithms for Projecting Points to Give the Most Uniform Distribution with Applications to Hashing</i>	300
T. Asano (Osaka Electro-Communication Univ.) and T. Tokuyama (IBM Res., Tokyo Research Lab.)	
<i>Topological Sweeping in Three Dimensions</i>	310
E. G. Anagnostou (Univ. of Toronto), L. J. Guibas (MIT and DEC SRC) and V. G. Polimenis (Univ. of California, Berkeley)	

Session B-7

<i>Finding Least-Weight Subsequences with Fewer Processors</i>	318
K.-F. Chan and T.-W. Lam (Univ. of Hong Kong)	
<i>Derandomization by Exploiting Redundancy and Mutual Independence</i>	328
Y. Ilan (Univ. of Kentucky) and Y. Igarashi (Gunma Univ.)	

Session A-8

<i>Planar Separators and the Euclidean Norm</i>	338
H. Gazit (Duke Univ.) and G. L. Miller (Carnegie Mellon Univ. and Univ. of Southern California)	
<i>On the Complexity of Isometric Embedding in the Hypercube</i>	348
D. Avis (McGill Univ.)	

Session B-8

- Distributed Function Evaluation in the Presence of Transmission Faults* 358
N. Santoro (Carleton Univ. and Univ. di Bari) and P. Widmayer
(Freiburg Univ.)
- Optimal Linear Broadcast* 368
S. Bitan and S. Zaks (Technion)

Session A-9

- Graph Augmentation Problems for a Specified Set of Vertices* 378
T. Watanabe, Y. Higashi and A. Nakamura (Hiroshima Univ.)
- A Heuristic Algorithm for the k-Center Problem with Vertex Weight* 388
Q. Wang and K. H. Cheng (Univ. of Houston)

Session B-9

- Parallel Convexity Algorithms for Digitized Images on a Linear Array of Processors* 397
H. M. Alnuweiri (King Fahd Univ. of Petroleum and Minerals) and
V. K. Prasanna Kumar (Univ. of Southern California)
- Parallel Algorithms for Labeling Image Components* 407
W.-J. Hsu and X. Lin (Michigan State Univ.)

Session A-10

- A Hyperplane Incidence Problem with Applications to Counting Distances* 419
H. Edelsbrunner (Univ. of Illinois, Urbana-Champaign) and M. Sharir
(New York Univ. and Tel Aviv Univ.)
- Splitting a Configuration in a Simplex* 429
K. Numata (Univ. of Electro-Communications) and T. Tokuyama (IBM Res.,
Tokyo Research Lab.)
- Weaving Patterns of Lines and Line Segments in Space* 439
J. Pach (New York Univ. and Hungary Academy of Sciences), R. Pollack
(New York Univ.) and E. Welzl (Freie Univ. Berlin)

Session B-10

- Efficient Parallel Algorithms for Path Problems in Planar Directed Graphs* 447
A. Lingas (Lund Univ.)
- Parallel Algorithms for Finding Steiner Forests in Planar Graphs* 458
H. Suzuki, C. Yamanaka and T. Nishizeki (Tohoku Univ.)
- Optimally Managing the History of an Evolving Forest* 468
V. J. Tsotras (Columbia Univ.), B. Gopinath (Rutgers Univ.) and G. W. Hart
(Columbia Univ.)

- Author Index 479

Recent Progress in String Algorithms

Zvi Galil

Columbia University and Tel Aviv University

Abstract

The talk will survey recent results in string algorithms including:

1. approximate string matching
2. parallel string matching
3. dynamic programming speed ups
4. exact complexity of string matching
5. tree pattern matching