

Table of Contents

Invited Talk

- On the Number of Distinct Squares by Frantisek Franek 1

Contributed Talks

- Fast Regular Expression Matching Based On Dual Glushkov NFA by Ryutaro Kurai, Norihito Yasuda, Hiroki Arimura, Shinobu Nagayama, and Shin-ichi Minato 3
- A Process-Oriented Implementation of Brzozowski's DFA Construction Algorithm by Tinus Strauss, Derrick G. Kourie, Bruce W. Watson, and Loek Cleophas 17
- Efficient Online Abelian Pattern Matching in Strings by Simulating Reactive Multi-Automata by Domenico Cantone and Simone Faro 30
- Computing Abelian Covers and Abelian Runs by Shohei Matsuda, Shunsuke Inenaga, Hideo Bannai, and Masayuki Takeda 43
- Two Squares Canonical Factorization by Haoyue Bai, Frantisek Franek, and William F. Smyth 52
- Multiple Pattern Matching Revisited by Robert Susik, Szymon Grabowski, and Kimmo Fredriksson 59
- Improved Two-Way Bit-parallel Search by Branislav Ďurian, Tamanna Chhabra, Sukhpal Singh Ghuman, Tommi Hirvola, Hannu Peltola, and Jorma Tarhio 71
- Using Correctness-by-Construction to Derive Dead-zone Algorithms by Bruce W. Watson, Loek Cleophas, and Derrick G. Kourie 84
- Random Access to Fibonacci Codes by Shmuel T. Klein and Dana Shapira 96
- Speeding up Compressed Matching with SBNDM2 by Kerttu Pollari-Malmi, Jussi Rautio, and Jorma Tarhio 110
- Threshold Approximate Matching in Grammar-Compressed Strings by Alexander Tiskin 124
- Metric Preserving Dense SIFT Compression by Shmuel T. Klein and Dana Shapira 139
- Approximation of Greedy Algorithms for Max-ATSP, Maximal Compression, Maximal Cycle Cover, and Shortest Cyclic Cover of Strings by Bastien Cazaux and Eric Rivals 148

Closed Factorization by Golnaz Badkobeh, Hideo Bannai, Keisuke Goto, Tomohiro I, Costas S. Iliopoulos, Shunsuke Inenaga, Simon J. Puglisi, and Shiho Sugimoto	162
Alternative Algorithms for Lyndon Factorization by Sukhpal Singh Ghuman, Emanuele Giaquinta, and Jorma Tarhio.....	169
Two Simple Full-Text Indexes Based on the Suffix Array by Szymon Grabowski and Marcin Raniszewski	179
Reducing Squares in Suffix Arrays by Peter Leupold.....	192
New Tabulation and Sparse Dynamic Programming Based Techniques for Sequence Similarity Problems by Szymon Grabowski	202
<i>Author Index</i>	213