

ALENEX13 – Accepted Papers

Inducing Suffix and LCP Arrays in External Memory

Timo Bingmann, Johannes Fischer, Vitaly Osipov

Computational topology and normal surfaces: Theoretical and experimental complexity bounds

Benjamin Burton, Joao Paixao, Jonathan Spreer

Lempel-Ziv factorization: Simple, fast, practical

Dominik Kempa, Simon Puglisi

Efficient algorithms for dualizing large-scale hypergraphs

Keisku Murakami, Takeaki Uno

On unifying the space of L_0 sampling algorithms

Graham Cormode, Donatella Firmani

Practical batch-updatable external hashing with sorting

Hyeontaek Lim, David Andersen, Michael Kaminsky

The cost of address translation

Tomasz Jurkiewicz, Kurt Mehlhorn

Fast packed string matching for short patterns

Simone Faro, M. Oguzhan Kulekci

On parallelizing matrix multiplication by the column-row method

Andrea Campagna, Konstantin Kutzkov, Rasmus Pagh

Engineering Java's dual pivot quicksort using MaLiJan

Sebastian Wild, Markus Nebel, Raphael Reitzig, Ulrich Laube

Short and simple cycle separators in planar graphs

Eli Fox-Epstein, Shay Mozes, Phitchaya Mangpo Phothilimthana, Christian Sommer

3D kinetic alpha complexes and their implementation

Michael Kerber, Herbert Edelsbrunner

Polynomial-time construction of contraction hierarchies for multi-criteria objectives

Stefan Funke, Sabine Storandt

Robust gossip-based aggregation: A practical point of view

Gerhard Niederbrucker, Wilfried Gansterer

A min-edge cost flow framework for capacitated covering problems

Jessica Chang, Samir Khuller