

Special Issue: European Symposium on Algorithms, Design and Analysis

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This special issue of *Algorithmica* contains extended versions of a selection of papers presented at Track A (Design and Analysis) of ESA 2009: The 17th Annual European Symposium on Algorithms, September 7–9, 2009. ESA has been held annually since 1993, and seeks to cover both theoretical and engineering aspects of algorithms. ESA 2009 had 272 submissions of which 14 were withdrawn over time. Of the remaining 222 submissions to Track A (*Design and Analysis*), 56 were accepted. Of the remaining 36 submissions to Track B (*Engineering and Applications*), 10 were accepted. This gives an acceptance rate of slightly under 25%.

Despite the “European” in the name, authors were affiliated with institutions in 41 countries, to wit: Algeria, Argentina, Australia, Austria, Bangladesh, Belgium, Brazil, Bulgaria, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, India, Ireland, Israel, Italy, Japan, Republic of Korea, the Netherlands, Norway, Poland, Romania, the Russian Federation, Singapore, Slovakia, Slovenia, Spain, Sweden, Switzerland, Taiwan—Province of China, Turkey, the United Kingdom, and the United States.

The program committee for Track A had 19 members, the Track B program committee had 14 members. Every submission not withdrawn had at least 3 reviews by members of the program committee, aided by 344 external reviewers (this may include duplicates), overall—818 individual reviews.

A selection of papers to be expanded were selected as candidates for this special issue. The papers in this special issue of *Algorithmica* are as follows:

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Markus Blaeser Christian Hoffmann	Fast Evaluation of Interlace Polynomials on Graphs of Bounded Treewidth
Andrzej Lingas	A Fast Output-Sensitive Algorithm for Boolean Matrix Multiplication
Paolo Ferragina Igor Nitto Rossano Venturini	On Optimally Partitioning a Text to Improve Its Compression
David Pritchard	Approximability of Sparse Integer Programs
Adrian Dumitrescu Minghui Jiang	Piercing Translates and Homothets of a Convex Body
George Christodoulou Elias Koutsoupias Paul Spirakis	On the Performance of Approximate Equilibria in Congestion Games
Yuval Emek	k -Outerplanar Graphs, Planar Duality, and Low Stretch Spanning Trees
Navin Goyal Neil Olver Bruce Shepherd	Dynamic vs. Oblivious Routing in Network Design
Haim Kaplan Yahav Nussbaum	Maximum Flow in Directed Planar Graphs with Vertex Capacities
Tobias Moemke Hans-Joachim Boeckenhauer Ralf Klasing Monika Steinová	Improved Approximation Algorithms for Label Cover Problems
Mohammad Ali Abam Mark de Berg Mohammad Farshi Joachim Gudmundsson Michiel Smid	Geometric Spanners for Weighted Point Sets
