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Algorithm Engineering and Experimentation

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Washington, DC, USA, January 2001
Revised Papers**



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Algorithm Engineering And Experimentation

David M. Mount, Clifford Stein



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Algorithm Engineering Lasse Kliemann, Peter Sanders, 2016-11-11 Algorithm Engineering is a methodology for algorithmic research that combines theory with implementation and experimentation in order to obtain better algorithms with high practical impact Traditionally the study of algorithms was dominated by mathematical worst case analysis In Algorithm Engineering algorithms are also implemented and experiments conducted in a systematic way sometimes resembling the experimentation processes known from fields such as biology chemistry or physics This helps in counteracting an otherwise growing gap between theory and practice

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Algorithm Engineering and Experiments and the First Workshop on Analytic Algorithmics and Combinatorics

ACM Special Interest Group for Algorithms and Computation Theory, Society for Industrial and Applied Mathematics, 2004

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