

## Publications by Bo Kågström.

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All publications are listed in reversed chronological order under each heading.

### BOOKS

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### SCIENTIFIC JOURNAL PUBLICATIONS AND INVITED BOOK CHAPTERS

- [5] F. Gustavson, L. Karlsson, and B. Kågström. Parallel and Cache-Efficient In-Place Matrix Storage Format Conversion. *ACM Trans. on Math. Software* (to appear), pages 17:1–17:32, 2012. (Preprint as Report UMINF 10.05).
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#### NOTES

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## SCIENTIFIC SOFTWARE

Several of the publications have also resulted in state-of-the-art scientific and library software that is publicly available (e.g., in Collected Algorithms of ACM, NETLIB: GEMM-based Level 3 BLAS, JNF and GUPTRI, RECSY, SCASY, LAPACK, ScaLAPACK-style routines, SLICOT, StratiGraph). See a selection below:

- [125] StratiGraph: Computation and display of the stratification of Jordan and Kronecker structures. See <http://www.cs.umu.se/forskning/forskargrupper/matrix-computations/stratigraph/>.
- [126] RECSY - High Performance library for Sylvester-type matrix equations. See <http://www8.cs.umu.se/research/parallel/recsy>.
- [127] SCASY - ScaLAPACK-style solvers for Sylvester-type matrix equations. See <http://www8.cs.umu.se/research/parallel/scasy>.
- [128] PxSEQR: Nonsymmetric eigenvalue problem—parallel library software in ScaLAPACK 2.0.0. See <http://netlib.org/scalapack/scalapack-2.0.0.html>.