

High-performance Scientific Computing

[DOWNLOAD HERE](#)

From the contents: Parallel Numerical Computing from Illiac IV to Exascale: The Contributions of Ahmed H. Sameh K. Gallivan, E. Gallopoulos, A. Grama, B. Philippe, E. Polizzi, Y. Saad, F. Saied, and D. Sorensen Computational Capacity-Based Co-design of Computer Systems David J. Kuck Measuring Computer Performance William Jalby, David C. Wong, David J. Kuck, Jean-Thomas Acquaviva, and Jean-Christophe Beyler A Compilation Framework for the Automatic Restructuring of Pointer-Linked Data Structures Harmen L.A. van der Spek, C.W. Mattias Holm, and Harry A.G. Wijshoff Dense Linear Algebra on Accelerated Multicore Hardware Jack Dongarra, Jakub Kurzak, Piotr Luszczek, and Stanimire Tomov The Explicit SPIKE Algorithm: Iterative Solution of the Reduced System Carl Christian Kjølgaard Mikkelsen The SPIKE Factorization as Domain Decomposition Method: Equivalent and Variant Approaches Victor Eijkhout, and Robert van de Geijn Parallel Solution of Sparse Linear Systems Murat Manguoglu Parallel Block-Jacobi SVD Methods Martin Beck, Gabriel Okeke, and Marin Vajter ic Robust and Efficient Multifrontal Solver for Large Discretized PDEs Jianlin Xia A Preconditioned Scheme for Nonsymmetric Saddle-Point Problems Abdelkader Baggag Effect of Ordering for Iterative Solvers in Structural Mechanics Problems Sami A. Kilic Scaling Hypres Multigrid Solvers to 100,000 Cores Allison H. Baker, Robert D. Falgout, Tzanio V. Kolev, and Ulrike Meier Yang A Riemannian Dennis-More Condition K.A. Gallivan, C. Qi, and P.-A. Absil A Jump-Start of Non-Negative Least Squares Solvers Mu Wang, and Xiaoge Wang Fast Nonnegative Tensor Factorization with an Active-Set-Like Method Jingu Kim, and Haesun Park Knowledge Discovery Using Nonnegative Tensor Factorization with Visual Analytics Andrey A. Purovskiy and Michael W. Berry EAN/ISBN : 9781447124375 Publisher(s): Springer, Berlin, Springer, London Discussed keywords: Hochleistungsrechner, Scientific Computing, Supercomputing Format: ePub/PDF Author(s): Berry, Michael W. - Gallivan, Kyle A. - Gallopoulos, Efstratios - Grama, Ananth - Philippe, Bernard - Saad, Yousef - Saied, Faisal

[DOWNLOAD HERE](#)

Similar manuals:

[Advanced Scientific Computing In BASIC With Applications In Chemistry, Biology And Pharmacology. Data Handling In Science And Technology, Volume 4.](#)

[High-Performance Scientific Computing](#)

[Numerical And Symbolic Scientific Computing](#)

[Proceedings Of The Conference On Applied Mathematics And Scientific Computing](#)

[Scientific Computing And Automation \(Europe\) 1990. Data Handling In Science And Technology, Volume 6.](#)

[Scientific Computing In Electrical Engineering SCEE 2010](#)

[Scientific Computing In Electrical Engineering](#)

[Fundamentals Of Scientific Computing](#)

[Guide To Scientific Computing In C++](#)

[Scientific Computing With MATLAB And Octave](#)

[Scientific Computing With MATLAB And Octave](#)

[An Introduction To Scientific Computing](#)

[Scientific Computing In Electrical Engineering SCEE 2008](#)