

Publications by Jan Nordström

updated: 2017-10-01

5 most cited publications

(Google Scholar, Scopus, Web of Science)

1. M. H. Carpenter, J. Nordström & D. Gottlieb, A Stable and Conservative Interface Treatment of Arbitrary Spatial Accuracy, *Journal of Computational Physics*, Vol. 148 No. 2, pp. 341-365, 1999. Number of citations: (363, 257, 182)
2. K. Mattson & J. Nordström, Summation by parts operators for finite difference approximations of second derivatives, *Journal of Computational Physics*, Vol. 199, pp. 503-540, 2004. Number of citations: (255, 176, 133)
3. M. Svärd & J. Nordström, On the Order of Accuracy for Difference Approximations of Initial-Boundary Value Problems, *Journal of Computational Physics*, Vol. 218, pp. 333-352, 2006. Number of citations: (160, 99, 86)
4. M. Svärd, M. H. Carpenter & J. Nordström, A Stable High-Order Finite Difference Scheme for the Compressible Navier-Stokes Equations, far-field boundary conditions, *Journal of Computational Physics*, Volume 225, Issue 1, Pages 1020-1038, 2007. Number of citations: (158, 123, 77)
5. J. Nordström & M. H. Carpenter, Boundary and Interface Conditions for High Order Finite Difference Methods Applied to the Euler and Navier Stokes Equations, *Journal of Computational Physics*, Vol. 152 No. 2, pp. 621-645, 1999. Number of citations: (158, 107, 64)

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101. H. Frenander & J. Nordström, Spurious solutions for the advection-diffusion equation using wide stencils for approximating the second derivative, accepted in *Numerical Methods for Partial Differential Equations*.

100. M. Wahlsten & J. Nordström, The effect of uncertain geometries on advection-diffusion of scalar quantities, accepted in BIT Numerical Mathematics.
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93. D. A. Kopriva, J. Nordström & G. Gassner, Error Boundedness of Discontinuous Galerkin Spektral Element Approximations of Hyperbolic Problems, Journal of Scientific Computing, Vol 72, pp. 314-330, 2017.
92. J. Nordström & A. Ruggiu, On Conservation and Stability Properties for Summation-By-Parts Schemes, Journal of Computational Physics, Vol 344, pp. 451-464, 2017.
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