

Publications by Jan Nordström

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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: (369, 262, 188)
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: (266, 177, 137)
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: (164, 101, 87)
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: (161, 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: (160, 108, 70)

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103. 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*.

102. M. Wahlsten & J. Nordström, The effect of uncertain geometries on advection-diffusion of scalar quantities, accepted in BIT Numerical Mathematics.
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1. P. Pettersson, G. Iaccarino & J. Nordström, Polynomial Chaos Methods for Hyperbolic Partial Differential Equations, Book in Mathematical Engineering, DOI: 10.1007/978-3-319-10714-1, Springer International Publishing, 2015.

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