

## LIST OF PUBLICATIONS

Lori Badea

### Journal and Proceedings Articles

1. L. Badea, Remarks concerning the convergence of the Jacobi and Gauss-Seidel iterative processes, *Rev. Roum. Math. Pures Appl.*, 8, 1980, pp. 1153-1165.
2. L. Badea, On the convergence of the Gauss-Seidel iteration for systems of linear algebraic equations with partitioned matrices, *Rev. Roum. Sci. Techn.*, series of Mech. Appl., 4, 1986, pp. 453-465.
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4. L. Badea, On the Schwarz alternating method with more than two subdomains for nonlinear monotone problems, *SIAM J. Numer. Anal.*, **28**, 1, 1991, pp. 179-204.
5. L. Badea, On a domain decomposition method for parallel computing in elasto-plasticity, in *Numerical Methods in Engineering*, Ch. Hirsh, O. C. Zienkiewicz, E. Onate (Editors), Elsevier, Sci. Publ., 1992, pp. 321-328.
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15. L. Badea and J. Wang, A new formulation for the valuation of American options, I: Solution uniqueness, in *Analysis and Scientific Computing*, Eun-Jae Park and Jongwoo Lee (Eds.), Proceedings of the 19th Daewoo Workshop in Pure Mathematics, Volume 19, Part II, 1999, pp. 3-16.
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17. A. Miroux, L. Badea, D. Arizmendi, B. Bacroix and J. L. Raphanel, The influence of grain orientation on the stored energy during cold rolling of steels - Experimental evidence and finite element simulation, *Archives of Metallurgy*, vol. 44, 1999, pp. 241-252.
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## Books

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## PhD Thesis

1. L. Badea, *Sur le calcul parallèle en élasto-plasticité par la méthode de décomposition des domaines de Schwarz*, Ph.D. Thesis, Paris 6 University, Paris, France, 1992.

## Preprints

1. L. Badea, On the convergence of the Gauss-Seidel iteration for systems of linear algebraic equations with partitioned matrices, INCREST, *Preprint series in mathematics*, no. 27/1984.
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15. L. Badea, Multigrid methods with constraint level decomposition for variational inequalities, *Preprint series of the Institute of Mathematics of the Romanian Academy*, nr. 3, 2010.
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