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University of Osijek,
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Research interest: Mathematical analysis: partial differential equations and functional analysis,
Applied mathematics: continuum physics.

Recent publications:

- [1] K. Burazin, M. Erceg „*Estimates for mild solutions to semilinear Cauchy problems*“, **Electronic Journal of Differential Equations**, **2014/194** (2014), 1-10
- [2] K. Burazin, M. Vrdoljak „*Homogenisation theory for Friedrichs systems*“, **Communications on Pure and Applied Analysis**, **13/3** (2014), 1017-1044
- [3] N. Antičić, K. Burazin, M. Vrdoljak „*Second-order equations as Friedrichs systems*“, **Nonlinear Analysis: Real World Applications**, **14/1** (2014), 290-305
- [4] N. Antičić, K. Burazin, M. Vrdoljak „*Heat equation as a Friedrichs system*“, **Journal of Mathematical Analysis and Applications**, **404** (2013), 537-553
- [5] N. Antičić, K. Burazin „*Boundary operator from matrix field formulation of boundary conditions for Friedrichs systems*“, **Journal of Differential Equations**, **250** (2011), 3630 - 3651

Selected publications:

- [1] N. Antičić, K. Burazin „*Intrinsic boundary conditions for Friedrichs systems*“, **Communications in Partial Differential Equations**, **35** (2010), 9, 1690 - 1715
- [2] N. Antičić, K. Burazin „*Graph spaces of first-order linear partial differential operators*“, **Mathematical Communications** **14** (2009), 1: 135 - 156
- [3] K. Burazin „*Estimates on the weak solution of semilinear hyperbolic systems*“, **Annali dell'Università di Ferrara. Sezione VII. Scienze Matematiche**. **54** (2008) 229 - 243
- [4] N. Antičić, K. Burazin „*Graph representation for asymptotic expansion in homogenisation of non linear first-order equations*“, **Annali dell'Università di Ferrara. Sezione VII. Scienze Matematiche**. **53** (2007), 2: 149 - 176
- [5] N. Antičić, K. Burazin „*On certain properties of spaces of locally Sobolev functions*“, **Proceedings of the conference on Appl. Mathematics and Scientific Computing**, (Eds. Z. Drmač, M. Marušić, Z. Tutek) Springer, 2005. pp. 109 - 120