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Research interest: Mathematical analysis, Differential equations, Fractal geometry

## Recent publications:

- [1] M. Pašić, *Fractal oscillations for a class of second-order linear differential equations of Euler type*, to appear in **J. Math. Anal. Appl**
- [2] M. Pašić, *Rectifiable and unrectifiable oscillations for a generalization of the Riemann - Weber version of Euler differential equations* to appear in **Georgian Math. J.**
- [3] M. Pašić, *Rectifiable and unrectifiable oscillations for a class of second-order linear differential equations of Euler type*, **J. Math. Anal. Appl.** 335 (2007), 724-738.
- [4] M. Pašić, L. Korkut, *On a class of nonlinear variational inequalities: high concentration of the graph of weak solution via its fractional dimension and Minkowski content*, **Electron. J. of Diff. Eqns.**, 37 (2007), 1-21.
- [5] M. Pašić, *Rectifiability of solutions of the one-dimensional  $p$ -Laplacian* **Electron. J. Diff. Eqns.**, 46 (2005), 1-8.

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- [3] M. Pašić, *Minkowski - Bouligand dimension of solutions of the one-dimensional  $p$ -Laplacian*, **J. Differential Equations**, 190 (2003), 268-305.
- [4] L. Korkut, M. Pašić, D. Žubrinić, *Some qualitative properties of solutions of quasilinear elliptic equations and applications*, **J. Differential Equations**, 170 (2001), 247-280.
- [5] M. Pašić, *Isoperimetric inequalities in quasilinear elliptic equations of Leray-Lions type*, **J. Math. Pures Appl.** 75 (1996), 343-366.