

Vesna Županović

Full Professor, Department of Applied Mathematics,
Faculty of Electrical Engineering and Computing, University of Zagreb,
PhD University of Zagreb, 1997

Research interest: Dynamical systems

Recent publications:

- [1] P. Mardešić, M. Resman, V. Županović, *Multiplicity of fixed points and growth of ε -neighborhoods of orbits*, **J. Differ. Equations** **253**, 8(2012), 2493–2514
- [2] G. Radunović, D. Žubrinić, V. Županović, *Fractal analysis of Hopf bifurcation at infinity*, **Internat. J. Bifur. Chaos Appl. Sci. Engrg.** 22 (2012), no. 12, 1230043, 15 pp.
- [3] J. P. Milišić, D. Žubrinić, V. Županović, *Fractal analysis of Hopf bifurcation for a class of completely integrable nonlinear Schrödinger Cauchy problems*, **Electron. J. Qual. Theory Differ. Equ.** 2010, No. 60, 32 pp.
- [4] L. Korkut, D. Žubrinić, V. Županović, *Box dimension and Minkowski content of the clothoid*, **Fractals**. 17 (2009) , 4; 485-492
- [5] L. Korkut, D. Vlah, D. Žubrinić, V. Županović, *Generalized Fresnel integrals and fractal properties of related spirals*, **Appl. Math. Comput.** 206 (2008), no. 1, 236–244.

Selected publications:

- [1] P. Mardešić, M. Resman, V. Županović, *Multiplicity of fixed points and growth of ε -neighborhoods of orbits*, **J. Differ. Equations** **253**, 8 (2012), 2493–2514.
- [2] D. Žubrinić, V. Županović: „ *Fractal analysis of spiral trajectories of some vector fields in R^3* “, **C. R. Acad. Sci. Paris**, (2006) , 959-963
- [3] V. Županović, D. Žubrinić: „*Fractal dimensions in dynamics* “, in **Encyclopedia of Mathematical Physics**, Jean-Pierre Francoise, Greg Naber, Sheung Tsun Tsou (editors), Elsevier Oxford (2006) Vol. 2, 394-402
- [4] D. Žubrinić, V. Županović: „ *Fractal analysis of spiral trajectories of some planar vector fields* “, **Bulletin des Sciences Mathematiques**, (2005), 457-485
- [5] V. Županović: „*Topological Equivalence of Planar Vector Fields and Their Generalised Principal Part* “, **Journal of Differential Equations** , (2000), 1-15