

LIST OF PUBLICATIONS EUGEN MIHAILESCU

May 2018

1. E. Mihailescu, Pointwise dimension for systems with overlaps, preprint 2018.
2. E. Mihailescu, M. Urbański, Skew product Smale endomorphisms over countable shifts of finite type, **Preprint IHÉS**, M/17/09, 2017.
3. E. Mihailescu, M. Urbański, Exact dimensionality for skew products over countable graph-directed Markov systems, preprint 2018.
4. E. Mihailescu, M. Urbański, Random countable iterated function systems with overlaps and applications, **Advances in Mathematics**, vol 298 (2016), 726-758.
5. E. Mihailescu, M. Urbański, Overlap functions for measures in conformal iterated function systems, **Journal of Statistical Physics**, vol. 162 (2016), no. 1, 43-62.
6. E. Mihailescu, B. Stratmann, Upper estimates for the stable dimensions of fractal sets with variable number of foldings, **International Mathematics Research Notices**, vol. 2014, no. 23, 6474-6496, 2014.
7. E. Mihailescu, M. Urbański, Measure-theoretic degrees and topological pressure for non-expanding transformations, **Journal of Functional Analysis**, vol 267 (2014), no. 8, 2823-2845.
8. J. E. Fornæss, E. Mihailescu, Equilibrium measures on saddle sets of holomorphic maps on \mathbb{P}^2 , **Mathematische Annalen**, vol. 356, 1471-1491, 2013.
9. E. Mihailescu, Measure-theoretic asymptotic degrees and non-expanding transformations, **Oberwolfach Reports**, Vol. 11, 4, 2014, 2604-2609.
10. E. Mihailescu and B. Stratmann, editors, Differentiable Ergodic Theory, Dimension Theory and Stable Foliations, **Oberwolfach Reports**, European Mathematical Society, Vol. 11, no. 4, 2014, 2569-2617, Springer Verlag.

11. E. Mihailescu, M. Roychodury, Quantization coefficients in infinite systems, **Kyoto Journal of Mathematics**, 55 (2015), 857-873.
12. E. Mihailescu, Geometric and ergodic aspects in conformal dynamics on invariant fractals, **Ann. Univ. Bucharest Math. Ser. 5 (LXIII)** (2014), no. 1, 157-168.
13. E. Mihailescu, Higher dimensional expanding maps and toral extensions, **Proceedings of the American Mathematical Society**, vol.141 (2013), 3467-3475.
14. E. Mihailescu, M. Urbański, Entropy production for a class of inverse SRB measures, **Journal of Statistical Physics**, vol. 150, no.5, 881-888, 2013.
15. E. Mihailescu, Smooth Ergodic Theory and Dimension in Dynamical Systems, Habilitation Thesis, IMAR, 2013.
16. E. Mihailescu, M. Urbański, Hausdorff dimension of limit sets of countable conformal iterated function systems with overlaps, **Contemporary Mathematics**, vol. 600, American Mathematical Society, 273-290, 2013.
17. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems**, vol. 32, no. 7, 2485-2502, 2012.
18. E. Mihailescu, On some coding and mixing properties on folded fractals, **Monatshefte fuer Mathematik**, vol. 167, no. 2, 241-255, 2012.
19. E. Mihailescu, Hyperbolic dynamics on folded saddle sets, Thermodynamic Formalism, Geometry and Stochastics, **Oberwolfach Reports** 3/2012, 31-34, DOI: 10.4171/OWR/2012/03.
20. E. Mihailescu, Inverse limits and statistical properties for chaotic implicitly defined economic models, **Journal of Mathematical Analysis and Applications**, vol. 394, no.2, 2012, 517-528.
21. E. Mihailescu, Approximations for Gibbs states of arbitrary Holder potentials on hyperbolic folded sets, **Discrete and Continuous Dynamical Systems**, vol. 32, no. 3, 2012, 961-975.

22. E. Mihailescu, On a class of stable conditional measures, **Ergodic Theory and Dynamical Systems**, vol. 31, no. 5, 1499-1515, 2011.
23. E. Mihailescu, Unstable directions and fractal dimensions for a family of skew products with overlaps, **Mathematische Zeitschrift**, vol. 269, 2011, 733-750.
24. E. Mihailescu, Asymptotic distributions of preimages for endomorphisms, **Ergodic Theory and Dynamical Systems**, vol. 31, 2011, 911-935.
25. E. Mihailescu, Local geometry and dynamical behavior on folded basic sets, **Journal of Statistical Physics**, **142**, 2011, 154-167.
26. E. Mihailescu and M. Urbański, Hausdorff dimension of the limit set of conformal iterated function systems with overlaps, **Proceedings of the American Mathematical Society**, vol. 139, 2011, 2767-2775.
27. E. Mihailescu, Ergodic properties for a class of non-expanding non-reversible systems, **Nonlinear Analysis: Theory, Methods and Applications**, **73**, 2010, 3779-3787.
28. E. Mihailescu, Physical measures for multivalued inverse iterates near hyperbolic repellers, **Journal of Statistical Physics**, **139**, no. 5, 2010, 800-819.
29. E. Mihailescu and M. Urbański, Relations between stable dimension and the preimage counting function on basic sets with overlaps, **Bulletin London Mathematical Society**, vol. **42**, 2010, 15-27.
30. E. Mihailescu, Metric properties of some fractal sets and applications of inverse pressure, **Mathematical Proceedings Cambridge**, **148**, no.3, May 2010, 553-572.
31. E. Mihailescu, Dynamics on higher dimensional real or complex fractals, **Revue Roumaine de Mathematiques Pures et Appliquees**, vol. **LIV**, no.5-6, 2009, 513-524.
32. E. Mihailescu and M. Urbański, Transversal families of hyperbolic skew products, **Discrete and Continuous Dynamical Systems**, vol. **21**, no.3, 907-928, 2008.

33. E. Mihailescu, Metric properties and dynamics for conformal maps, **Proceedings of the 6-th International Congress of Romanian Mathematicians** Bucharest 2007, pg. 161-169, Ed. Academiei Romane 2009.
34. E. Mihailescu and M. Urbański, Inverse pressure estimates and the independence of stable dimension for non-invertible maps, **Canadian Journal of Mathematics**, vol. **60**, no. 3, 2008, 658-684.
35. E. Mihailescu, Unstable manifolds and Holder structures associated with non-invertible maps, **Discrete and Continuous Dynamical Systems**, **14**, 2006, no 3, 419-446.
36. E. Mihailescu and M. Urbański, Estimates for the stable dimension for holomorphic maps, **Houston Journal of Mathematics**, **31** (2), 2005, 367-389.
37. E. Mihailescu and M. Urbański, Inverse topological pressure with applications to holomorphic dynamics in several variables, **Communications in Contemporary Mathematics**, vol.6, no.4, 2004, 653-682.
38. E. Mihailescu and M. Urbański, Holomorphic maps for which the unstable manifolds depend on prehistories, **Discrete and Continuous Dynamical Systems**, vol.9, no.2, 2003.
39. E. Mihailescu, The set K^- for hyperbolic non-invertible maps, **Ergodic Theory and Dynamical Systems**, **22**, 3, June 2002, 873-888.
40. E. Mihailescu, Applications of thermodynamic formalism in complex dynamics on $\mathbb{P}^2\mathbb{C}$, **Discrete and Continuous Dynamical Systems**, vol. **7**, 4, October 2001, 821-836.
41. E. Mihailescu, Periodic points for actions of tori in Stein manifolds, **Mathematische Annalen** **314**, 1999, no 1, 39-52.
42. E. Mihailescu, PH.D Thesis, Periodicity and hyperbolicity for higher dimensional complex dynamical systems, **Univ. of Michigan Press**, 1999.
43. E. Mihailescu, A class of functions which are continuous but nowhere monotonous, **Annals of the University of Bucharest**, **42/43**, 1993/1994, 63-71.