

## Papers to appear in forthcoming issues

- |   |  |
|---|--|
| Aaronson, J.  | Rational weak mixing in infinite measure spaces  |
| Abért, M. and Elek, G.  | Dynamical properties of profinite actions  |
| Abért, M. and Weiss, B.                                       | Bernoulli actions are weakly contained in any free action  |
| Alves, J. F. and Vilarinho, H.                                | Strong stochastic stability for non-uniformly expanding maps   |
| Ara, P., Exel, R. and Katsura, T.                             | Dynamical systems of type $(m, n)$ and their $C^*$ -algebras   |
| Arbieto, A., Markarian, R., Pacifico, M. J. and Soares, R.    | Scaling rate for semi-dispersing billiards with non-compact cusps  |
| Arnau, M.-C.  | Lower and upper bounds for the Lyapunov exponents of twisting dynamics: a relationship between the exponents and the angle of the Oseledec's splitting |
| Babichev, A., Burton, R. M. and Fieldsteel, A.                | Speedups of ergodic group extensions   |
| Baraviera, A. T., Lopes, A. O. and Mengue, J. K.              | On the selection of subaction and measure for a subclass of potentials defined by P. Walters   |
| Bergweiler, W.  | Fatou–Julia theory for non-uniformly quasiregular maps   |
| Blokh, A., Curry, C. and Oversteegen, L.                      | Cubic critical portraits and polynomials with wandering gaps   |
| Bonatti, Ch., Crovisier, S., Díaz, L. J. and Gourmelon, N.    | Internal perturbations of homoclinic classes: non-domination, cycles, and self-replication   |
| Bowen, L. and Nevo, A.  | Pointwise ergodic theorems beyond amenable groups  |
| Brémont, J. and Buczolich, Z.                                 | Maximizing points and coboundaries for an irrational rotation on a circle  |
| Cao, Y., Hu, H. and Zhao, Y.                                  | Non-additive measure-theoretic pressure and applications to dimensions of an ergodic measure   |
| Chazottes, J.-R. and Collet, P.                               | Poisson approximation for the number of visits to balls in non-uniformly hyperbolic dynamical systems  |
| Chazottes, J.-R., Gambaudo, J.-M., Hochman, M. and Ugalde, E. | On the finite-dimensional marginals of shift-invariant measures  |
| Cheung, Y., Goetz, A. and Quas, A.                            | Piecewise isometries, uniform distribution and $3 \log 2 - \pi^2/8$  |
| Chung, N.-P.  | Topological pressure and the variational principle for actions of sofic groups   |
| Conley, C. T., Kechris, A. S. and Tucker-Drob, R. D.          | Ultraproducts of measure preserving actions and graph combinatorics  |
| Cornelissen, G. and Kool, J.                                  | Measure-theoretic rigidity for Mumford curves  |
| Cortez, M. I. and Rivera-Letelier, J.                         | Topological orbit equivalence classes and numeration scales of logistic maps   |

- Coutinho, R. and Fernandez, B. Extensive bounds on the topological entropy of repellers in piecewise expanding coupled map lattices
- Danilenko, A. I. A survey on spectral multiplicities of ergodic actions
- Deaconu, V., Kumjian, A. and Quigg, J. Group actions on topological graphs
- de Lima, A. and Smiana, D. On infinitely cohomologous to zero observables
- Del Magno, G. and Markarian, R. A local ergodic theorem for non-uniformly hyperbolic symplectic maps with singularities
- Deroin, B. The Poisson boundary of a locally discrete group of diffeomorphisms of the circle
- Dias, K. Enumerating combinatorial classes of the complex polynomial vector fields in  $\mathbb{C}$
- Dirbák, M., Snoha, L. and Špitalský, V. Minimality, transitivity, mixing and topological entropy on spaces with a free interval
- Dong, P., Donoso, S., Maass, A., Shao, S. and Ye, X. Infinite-step nilsystems, independence and complexity
- Fan, Q. and Fang, X. Certain properties for crossed products by automorphisms with a certain non-simple tracial Rokhlin property
- Fiebig, D. Canonical compactifications for Markov shifts
- Fried, D., Marotta, S. M. and Stankewitz, R. Complex dynamics of Möbius semigroups
- Gadre, V. S. Dynamics of non-classical interval exchanges
- Gidea, M. and Robinson, C. Diffusion along transition chains of invariant tori and Aubry–Mather sets
- Gomes, J. B. and Ruggiero, R. O. On Finsler surfaces without conjugate points
- Gorodnik, A. and Nevo, A. On Arnol'd's and Kazhdan's equidistribution problems
- Hartman, Y. Large semigroups of cellular automata
- Haydn, N., Nicol, M., Persson, T. and Vaienti, S. A note on Borel–Cantelli lemmas for non-uniformly hyperbolic dynamical systems
- Homburg, A. J. Circle diffeomorphisms forced by expanding circle maps
- Iommi, G. and Todd, M. Transience in dynamical systems
- Jaerisch, J., Kesseböhmer, M. and Stratmann, B. O. A Fréchet law and an Erdős–Philipp law for maximal cuspidal windings
- Jäger, T. Strange non-chaotic attractors in quasi-periodically forced circle maps: Diophantine forcing
- Kenyon, R., Peres, Y. and Solomyak, B. Hausdorff dimension for fractals invariant under the multiplicative integers
- Kerr, D. and Nowak, P. W. Residually finite actions and crossed products
- Kida, Y. Examples of amalgamated free products and coupling rigidity
- Kiriki, S. and Soma, T. Existence of generic cubic homoclinic tangencies for Hénon maps
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- Kosloff, Z. The zero-type property and mixing of Bernoulli shifts

- Kuřaga, J. On the self-similarity problem for smooth flows on orientable surfaces
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- Li, Z., Góra, P., Boyarsky, A., Proppe, H. and Eslami, P. Family of piecewise expanding maps having singular measure as a limit of ACIMs
- Liang, C., Sun, W. and Tian, X. Ergodic properties of invariant measures for  $C^{1+\alpha}$  non-uniformly hyperbolic systems
- Liao, L. and Seuret, S. Diophantine approximation by orbits of expanding Markov maps
- Liao, L. and Steiner, W. Dynamical properties of the negative beta transformation
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- Liverani, C. Multidimensional expanding maps with singularities: a pedestrian approach
- Lizana, C. and Pujals, E. Robust transitivity for endomorphisms
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- Osborne, J. W. Spiders' webs and locally connected Julia sets of transcendental entire functions
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- Peter, J. Hausdorff measure of escaping and Julia sets for bounded-type functions of finite order

- Petersen, C. L. and Roesch, P. Carrots for dessert
- Pinto-de-Carvalho, S. and  
Ramírez-Ros, R. Non-persistence of resonant caustics in perturbed elliptic billiards
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- Tsujii, M. Contact Anosov flows and the Fourier–Bros–Iaglomitz transform
- Wang, Z. Rigidity of commutative non-hyperbolic actions by toral automorphisms
- Wang, Q. and Young, L.-S. Dynamical profile of a class of rank-one attractors
- Xavier, J. Handel’s fixed point theorem revisited
- Ye, Y.-L. Ruelle operator with weakly contractive IFS
- Yildiz, I. B. Discontinuity of topological entropy for Lozi maps
- Zhang, Y. and Lin, C. Invariant measures with bounded variation densities for piecewise area preserving maps

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[4] N. Dunford and J. T. Schwartz. *Linear Operators*. Part I. Wiley, New York, 1958.

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[6] J. E. Littlewood. The 'pits effect' for functions in the unit circle. *J. Analyse Math.* **23** (1970), 236–268.

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# *Ergodic theory and dynamical systems*

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