# Papers to appear in forthcoming issues

| | |
|---|---|
| Aliste-Prieto, J. and Coronel, D. | Tower systems for linearly repetitive Delone sets |
| Antonevich, A. B., Bakhtin, V. I. and Lebedev, A. V. | $T$-entropy and variational principle for the spectral radius of transfer and weighted shift operators |
| Araújo, V. and Bufetov, A. I. | A large deviations bound for the Teichmüller flow on the moduli space of abelian differentials |
| Barański, K., Karpińska, B. and Zdunik, A. | Bowen's formula for meromorphic functions |
| Bárány, B. | Dimension of the generalized 4-corner set and its projections |
| Barge, M. and Martensen, B. F. | Classification of expansive attractors on surfaces |
| Barnsley, M. F. and Vince, A. | The chaos game on a general iterated function system |
| Bartoszek, W. and Erkurşun, N. | On quasi-compact Markov nets |
| Bekka, B. and Heu, J.-R. | Random products of automorphisms of Heisenberg nilmanifolds and Weil's representation |
| Berger, P. | Structural stability of attractor–repellor endomorphisms with singularities |
| Biswas, K. | Simultaneous linearization of germs of commuting holomorphic diffeomorphisms |
| Bonatti, C. | Towards a global view of dynamical systems, for the $C^1$-topology |
| Bounemoura, A. | Generic super-exponential stability of invariant tori in Hamiltonian systems |
| Bousch, T. | La distance de réarrangement, duale de la fonctionnelle de Bowen |
| Bowen, L. | Sofic entropy and amenable groups |
| Broderick, R., Fishman, L. and Kleinbock, D. | Schmidt's game, fractals, and orbits of toral endomorphisms |
| Brownlowe, N., an Huef, A., Laca, M. and Raeburn, I. | Boundary quotients of the Toeplitz algebra of the affine semigroup over the natural numbers |
| Bundfuss, S., Krüger, T. and Troubetzkoy, S. | Topological and symbolic dynamics for hyperbolic systems with holes |
| Buzzi, J., Fisher, T., Sambarino, M. and Vásquez, C. | Maximal entropy measures for certain partially hyperbolic, derived from Anosov systems |
| Carlsen, T. M. and Thomsen, K. | The structure of the $C^*$-algebra of a locally injective surjection |
| Carvalho, A. N. and Cholewa, J. W. | Exponential global attractors for semigroups in metric spaces with applications to differential equations |
| Ceccherini-Silberstein, T. and Coornaert, M. | A Garden of Eden theorem for linear subshifts |

| | |
|---|---|
| Chaika, J. | There exists a topologically mixing interval exchange transformation |
| Chazottes, J.-R., Gambaudo, J.-M. and Ugalde, E. | Zero-temperature limit of one-dimensional Gibbs states via renormalization: the case of locally constant potentials |
| Chu, Q. and Frantzikinakis, N. | Pointwise convergence for cubic and polynomial multiple ergodic averages of non-commuting transformations |
| Climenhaga, V. | Bowen's equation in the non-uniform setting |
| Danilenko, A. I. | New spectral multiplicities for mixing transformations |
| de la Llave, R. and Windsor, A. | Avoiding early closing: 'Livšic theorems for non-commutative groups including diffeomorphism groups and results on the existence of conformal structures for Anosov systems' – CORRIGENDUM |
| de Melo, W., Salomão, P. A. S. and Vargas, E. | A full family of multimodal maps on the circle |
| Dolgopyat, D., Freidlin, M. and Koralov, L. | Deterministic and stochastic perturbations of area preserving flows on a two-dimensional torus |
| Dooley, A. H. and Hagihara, R. | Computing the critical dimensions of Bratteli–Vershik systems with multiple edges |
| Dooley, A. H. and Zhang, G. | Co-induction in dynamical systems |
| Downarowicz, T. and Serafin, J. | A short proof of the Ornstein theorem |
| Eynard, H. | A connectedness result for commuting diffeomorphisms of the interval |
| Fan, S., Liu, Q.-H. and Wen Z.-Y. | Gibbs-like measure for spectrum of a class of quasi-crystals |
| Fang, Y. | Invariant rigid geometric structures and expanding maps |
| Fang, C., Huang, W., Yi, Y. and Zhang, P. | Dimensions of stable sets and scrambled sets in positive finite entropy systems |
| Farina, A. and Valdinoci, E. | Some results on minimizers and stable solutions of a variational problem |
| Ferguson, A. and Pollicott, M. | Escape rates for Gibbs measures |
| Fried, D. | Ideal tilings and symbolic dynamics for negatively curved surfaces |
| Gaidashev, D. and Koch, H. | Period doubling in area-preserving maps: an associated one-dimensional problem |
| Glasner, E. and Weiss, B. | On Hilbert dynamical systems |
| Guivarc'h, Y. and Raja, C. R. E. | Recurrence and ergodicity of random walks on linear groups and on homogeneous spaces |
| Gupta, C., Holland, M. and Nicol, M. | Extreme value theory and return time statistics for dispersing billiard maps and flows, Lozi maps and Lorenz-like maps |
| Hazard, P. E. | Hénon-like maps with arbitrary stationary combinatorics |
| Hochman, M. | On notions of determinism in topological dynamics |
| Hua, Q. | Continuity of packing measure function of self-similar iterated function systems |
| Jiang, M. | Differentiating potential functions of SRB measures on hyperbolic attractors |
| Kadyrov, S. | Positive entropy invariant measures on the space of lattices with escape of mass |

| | |
|---|---|
| Kalikow, S. | Non-intersecting splitting $\sigma$-algebras in a non-Bernoulli transformation |
| Kaloshin, V. and Kozlovski, O. S. | A $C^r$ unimodal map with an arbitrary fast growth of the number of periodic points |
| Kamae, T. | Uniform sets and super-stationary sets over general alphabets |
| Kamae, T. and Salimov, P. V. | On maximal pattern complexity of some automatic words |
| Kesseböhmer, M., Munday, S. and Stratmann, B. O. | Strong renewal theorems and Lyapunov spectra for $\alpha$-Farey and $\alpha$-Lüroth systems |
| Kosloff, Z. | On a type III$_1$ Bernoulli shift |
| Kunze, M. and Ortega, R. | Complete orbits for twist maps on the plane: the case of small twist |
| Kwapisz, J. | Rigidity and mapping class group for abstract tiling spaces |
| Le Roux, F. | There is no minimal action of $\mathbb{Z}^2$ on the plane |
| Ledrappier, F. and Xie, J.-S. | Vanishing transverse entropy in smooth ergodic theory |
| Li, Y., Chen, E. and Cheng, W.-C. | Tail pressure and the tail entropy function |
| Lim, S. and Oh, H. | On the distribution of orbits of geometrically finite hyperbolic groups on the boundary |
| Lima, Y. | $\mathbb{Z}^d$-actions with prescribed topological and ergodic properties |
| Lindenstrauss, E. and Shapira, U. | Homogeneous orbit closures and applications |
| López-Hernanz, L. | Summable formal invariant curves of diffeomorphisms |
| Maderna, E. | On weak KAM theory for $N$-body problems |
| Matheron, É. | Subsemigroups of transitive semigroups |
| Mauduit, C. and Moreira, C. G. | Generalized Hausdorff dimensions of sets of real numbers with zero entropy expansion |
| Melbourne, I., Niţică, V. and Török, A. | Transitivity of Heisenberg group extensions of hyperbolic systems |
| Melbourne, I. and Török, A. | Convergence of moments for Axiom A and non-uniformly hyperbolic flows |
| Mihailescu, E. | On a class of stable conditional measures |
| Mihaljević-Brandt, H. | Dynamical approximation and kernels of non-escaping-hyperbolic components |
| Mohammadi, A. | A special case of effective equidistribution with explicit constants |
| Mora, L. and Ruiz, B. | Diffeomorphisms with infinitely many irrational invariant curves |
| Moss, A. and Walkden, C. P. | Stable topological transitivity properties of $\mathbb{R}^n$-extensions of hyperbolic transformations |
| Pelayo, A. and Tolman, S. | Fixed points of symplectic periodic flows |
| Peterson, J. and Sinclair, T. | On cocycle superrigidity for Gaussian actions |
| Polo, F. | Equidistribution of singular measures on nilmanifolds and skew products |
| Rørdam, M. and Sierakowski, A. | Purely infinite $C^*$-algebras arising from crossed products |
| Sadun, L. | Exact regularity and the cohomology of tiling spaces |
| Sander, E. and Yorke, J. A. | Period-doubling cascades galore |

| | |
|---|---|
| Schneider, M. | Alexandrov embedded closed magnetic geodesics on $S^2$ |
| Schweitzer, S. J. P. A. | Normal subgroups of diffeomorphism and homeomorphism groups of $R^n$ and other open manifolds |
| Stoyanov, L. | Non-integrability of open billiard flows and Dolgopyat type estimates |
| Szarek, T. and Worm D. T. H. | Ergodic measures of Markov semigroups with the e-property |
| Tapie, S. | A variation formula for the topological entropy of convex-cocompact manifolds |
| Tokman, C. G., Hunt, B. R. and Wright, P. | Approximating invariant densities of metastable systems |
| Yang, J. | Newhouse phenomenon and homoclinic classes |
| Yarmola, T. | An example of a pathological random perturbation of the Cat Map |
| Yayama, Y. | Existence of a measurable saturated compensation function between subshifts and its applications |
| Yoo, J. | Measures of maximal relative entropy with full support |
| Yu, B. | The templates of non-singular Smale flows on three manifolds |

# INSTRUCTIONS FOR CONTRIBUTORS

*Editorial Policy*

The journal welcomes high quality contributions on topics closely related to dynamical systems and ergodic theory. Submissions in the field of differential geometry, number theory, operator algebra, differential, topological, symbolic, measurable dynamics and celestial and statistical mechanics are especially welcome. Expository survey papers and reviews of relevant books will be published from time to time.

*Submission of manuscripts*

Manuscripts should be submitted to an executive or managing editor whose interest is closest to the material of their article. In case of doubt authors may send manuscripts to the Managing Editors at the University of Warwick. Manuscripts may be submitted electronically in pdf or ps form as an attachment to an email, i.e. not in the body of an email. Please also send the TEX file. If you are unable to do this, please submit the manuscript in printed form. The editor in charge of the paper will acknowledge receipt of the paper. **It is important that authors inform the editor of any changes of postal and/or e-mail address while their paper is under consideration**.

Submission of a paper is taken to imply that it has not been previously published and that it is not being considered for publication elsewhere. Authors of articles published in the journal assign copyright to Cambridge University Press (with certain rights reserved) and you will receive a copyright assignment form for signature on acceptance of your paper.

The journal strongly recommends submission of accepted papers in LATEX using the ETDS LATEX class file. Papers that use this class file will be processed more efficiently. A LATEX2e file etds.cls is available via anonymous ftp from the Cambridge University Press site at ftp.cup.cam.ac.uk in the directory /pub/texarchive/journals/latex/etds-cls/. In case of difficulties with these files, please contact etds@sunrise-setting.co.uk or the Journal editorial office at etds@maths.warwick.ac.uk. Alternatively, authors may use 'article' style.

On final acceptance of a paper, authors should send the LATEX source code via e-mail including the figures (line figures only) and all author-defined macro and style files, to the Managing Editors, together with a pdf produced using the same file. The publisher reserves the right to typeset any article by conventional means if the author's TEX code presents problems in production.

*Manuscript*

Papers should be typed, double-spaced, with generous margins. The pages must be numbered.

The first page should give the title, the author's name and institution, and a short abstract intelligible to mathematicians.

The title, while brief, must be informative (e.g. 'A new proof of the ergodic theorem', whereas 'Some applications of a theorem of Birkhoff' would be useless).

*Notation*

Avoid abbreviations such as Thm, Prop., Eq., iff. In the text do not use symbols $\forall$, $\exists$, $\Rightarrow$ and $\Leftrightarrow$. Fractions are generally best expressed by a solidus. Complicated exponents like $\exp\{z^2 \sin\theta/(1 + y^2)\}$ should be shown in this and no other way.

It helps if displayed equations or statements which will be quoted later are numbered in order on the right of their line. They can then be referred to by, for example, 'from (7)'.

If an author wishes to mark the end of the proof of a theorem, the sign $\square$ may be used.

Footnotes should be avoided.

*Figures*

Graphics should be prepared to professional standards, preferably using Postscript or LATEX drawing facilities. Each text figure must be numbered as Figure 1, Figure 2, . . . and its intended position clearly indicated in the manuscript. Figures should be used sparingly and only when they greatly clarify the exposition. The preferred resolutions for submission of electronic artwork are: halftone images 300 dpi; line tone 600 dpi; bitmap 1200 dpi.

*Tables*

Tables should be numbered (above the table) as Table 1, Table 2, . . . . Indicate the position of each in the text as for figures.

*References*

References should be collected at the end of the paper numbered in alphabetical order of the author's names or by order of citation. Include in the list of references only those works that are cited. For the style of references please consult recent issues of the journal. A reference to a book should give the title, in italics, and then in roman type the publisher's name and the place and year of publication:

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

A reference to a paper should give in italics the title of the periodical, the number of the volume and year, and the beginning and end pages of the paper. Journal titles should be abbreviated as in *Mathematical Reviews*:

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

*Proofs*

Authors receive one pdf proof for correction. Typographical and minor corrections only are permitted at this stage. For papers with more than one author the proofs are sent to the first named author unless the editor receives other instructions. It is important that proofs are corrected and returned promptly.

*Offprints*

No paper offprints are provided, but the corresponding author will be sent the pdf of the published article. Print offprints may be purchased at extra cost at proof stage.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

# Ergodic theory and dynamical systems
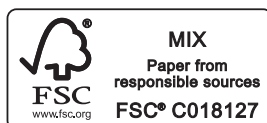
## CONTENTS