Papers to appear in forthcoming issues

Akin, E., Glasner, E., Huang, W., Shao, S. and Ye, X.	Sufficient conditions under which a transitive system is chaotic
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
Ashwin, P. and Goetz, A.	Cone exchange transformations and boundedness of orbits
Badea, C., Grivaux, S. and Müller, V.	Epsilon-hypercyclic operators
Bakhtin, V. I.	On t-entropy and variational principle for the spectral radius of weighted shift operators
Barbot, T. and Maquera, C.	Transitivity of codimension one Anosov actions of $\mathbb{R}^k$ on closed manifolds
Barge, M., Diamond, B., Hunton, J. and Sadun, L.	Cohomology of substitution tiling spaces
Barnsley, M. F. and Vince, A.	The chaos game on a general iterated function system
Barral, J. and Bhouri, I.	Multifractal analysis for projections of Gibbs and related measures
Barreira, L. and Gelfert, K.	Dimension estimates in smooth dynamics
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
Bounemoura, A.	Generic super-exponential stability of invariant tori in Hamiltonian systems
Bowen, L.	Entropy for expansive algebraic actions of residually finite groups
Bowen, L.	Non-abelian free group actions: Markov processes, the Abramov–Rohlin formula and Yuzvinskii's formula
Broderick, R., Fishman, L. and Kleinbock, D.	Schmidt's game, fractals, and orbits of toral endomorphisms
Brown, A. W.	Constraints on dynamics preserving certain hyperbolic sets
Calegari, D. and Fujiwara, K.	Combable functions, quasimorphisms, and the central limit theorem
Chavaudret, C.	Reducibility of quasiperiodic cocycles in linear Lie groups
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.	Multiple recurrence for two commuting transformations
Climenhaga, V.	Bowen's equation in the non-uniform setting
Comman, H. and Rivera-Letelier, J.	Large deviation principles for non-uniformly hyperbolic rational maps

Cornulier, Y. and Tessera, R.	A characterization of relative Kazhdan property T for semidirect products with abelian groups
Coronel, A. D.	Cohomological equation on dynamical systems arising from Delone sets
Dal'bo, F., Peigné, M., Picaud, J.-C. and Sambusetti, A.	On the growth of quotients of Kleinian groups
Danilenko, A. I. and Ryzhikov, V. V.	Mixing constructions with infinite invariant measure and spectral multiplicities
de Melo, W., Salomão, P. A. S. and Vargas, E.	A full family of multimodal maps on the circle
Demers, M. F.	Functional norms for Young towers
Ding, F., Pan, J., Wang, S. and Yao, J.	Only rational homology spheres admit $\Omega(f)$ to be union of DE attractors
Downarowicz, T. and Lacroix, Y.	The law of series
Durieu, O. and Volný, D.	On sums of indicator functions in dynamical systems
Eroğlu, K. I., Rohde, S. and Solomyak, B.	Quasisymmetric conjugacy between quadratic dynamics and iterated function systems
Eynard, H.	A connectedness result for commuting diffeomorphisms of the interval
Falconer, K. and Samuel, T.	Dixmier traces and coarse multifractal analysis
Fletcher, A. N. and Nicks, D. A.	Quasiregular dynamics on the n-sphere
Frantzikinakis, N., Johnson, M., Lesigne, E. and Wierdl, M.	Powers of sequences and convergence of ergodic averages
Fujino, M.	C^*-algebras arising from substitutions
Gaidashev, D. and Koch, H.	Period doubling in area-preserving maps: an associated one-dimensional problem
Galatolo, S. and Pacifico, M. J.	Lorenz like flows: exponential decay of correlations for the Poincaré map, logarithm law, quantitative recurrence
Gavish, M.	Measures with uniform scaling scenery
Gentile, G.	Quasi-periodic motions in strongly dissipative forced systems
Glasner, E., Lemańczyk, M. and Weiss, B.	A topological lens for a measure-preserving system
Gutman, Y.	Embedding $\mathbb{Z}^k$-actions in cubical shifts and $\mathbb{Z}^k$-symbolic extensions
Harvey, N. and Peres, Y.	An invariant of finitary codes with finite expected square root coding length
Hochman, M.	Non-expansive directions for $\mathbb{Z}^2$ actions
Hong, S.	The zeta functions of renewal systems
Host, B. and Kra, B.	Nil–Bohr sets of integers
Jenkinson, O. and Steel, J.	Majorization of invariant measures for orientation-reversing maps
Jordan, T. and Rams, M.	Multifractal analysis of weak Gibbs measures for non-uniformly expanding C^1 maps
Kamae, T. and Salimov, P. V.	On maximal pattern complexity of some automatic words

Kočan, Z., Kornecká-Kurková, V. and Málek, M.	Entropy, horseshoes and homoclinic trajectories on trees, graphs and dendrites
Kočan, Z., Kornecká-Kurková, V. and Málek, M.	Entropy, horseshoes and homoclinic trajectories on trees, graphs and dendrites – ERRATUM
Kwiatkowska, A. and Solecki, S.	Spatial models of Boolean actions and groups of isometries
Ledrappier, F. and Xie, J.-S.	Vanishing transverse entropy in smooth ergodic theory
Leplaideur, R., Oliveira, K. and Rios, I.	Equilibrium states for partially hyperbolic horseshoes
Leplaideur, R.	Thermodynamic formalism for a family of non-uniformly hyperbolic horseshoes and the unstable Jacobian
Levin, G.	Multipliers of periodic orbits in spaces of rational maps
Levine, L.	Parallel chip-firing on the complete graph: Devil's staircase and Poincaré rotation number
Li, S. and Shen, W.	An improved real C^k Koebe principle
Llibre, J. and Valls, C.	Analytic integrability of quadratic–linear polynomial differential systems
Los, J.	Infinite sequence of fixed point free pseudo-Anosov homeomorphisms
Lozano-Rojo, Á.	An example of a non-uniquely ergodic lamination
Łuczak, A.	The eigenvectors of semigroups of positive maps on von Neumann algebras
Markarian, R., Pujals, E. and Sambarino, M.	Pinball billiards with dominated splitting
Matsumoto, K.	A class of simple C^*-algebras arising from certain nonsofic subshifts
Mihailescu, E.	Asymptotic distributions of preimages for endomorphisms
Mihailescu, E.	On a class of stable conditional measures
Miles, R.	Finitely represented closed-orbit subdynamics for commuting automorphisms
Neishtadt, A. and Treschev, D.	Polymorphisms and adiabatic chaos
Olivier, E.	Uniqueness of the measure with full dimension on sofic affine-invariant subsets of the 2-torus
Patrão, M.	Entropy and its variational principle for noncompact metric spaces
Pavlov, R.	Perturbations of multidimensional shifts of finite type
Pelayo, A. and Tolman, S.	Fixed points of symplectic periodic flows
Pikuła, R.	Enveloping semigroups of unipotent affine transformations of the torus
Pivato, M. and Yassawi, R.	Embedding Bratteli–Vershik systems in cellular automata
Qiao, J., Yin, Y. and Gao, J.	Feigenbaum Julia sets of singularities of free energy
Raja, C. R. E.	On the existence of ergodic automorphisms in ergodic $\mathbb{Z}^d$-actions on compact groups
Rebelo, J. C.	On transverse rigidity for singular foliations in $(\mathbb{C}^2, 0)$
Rechtman, A.	Existence of periodic orbits for geodesible vector fields on closed 3-manifolds
Robinson, Jr, E. A. and Şahin, A. A.	Rank-one $\mathbb{Z}^d$ actions and directional entropy

Roesch, P.	Cubic polynomials with a parabolic point
Skalski, A.	On automorphisms of C^*-algebras whose Voiculescu entropy is genuinely non-commutative
Sumi, H.	Dynamics of postcritically bounded polynomial semigroups III: classification of semi-hyperbolic semigroups and random Julia sets which are Jordan curves but not quasicircles
Thompson, D.	A thermodynamic definition of topological pressure for non-compact sets
Timár, Á.	Invariant colorings of random planar maps
Tokman, C. G., Hunt, B. R. and Wright, P.	Approximating invariant densities of metastable systems
Turaev, D.	Diffeomorphisms which cannot be topologically conjugate to diffeomorphisms of a higher smoothness
Worm, D. T. H. and Hille, S. C.	Ergodic decompositions associated with regular Markov operators on Polish spaces
Xu, J. and Jiang, S.	Reducibility for a class of nonlinear quasi-periodic differential equations with degenerate equilibrium point under small perturbation
Xue, Y.-M. and Kamae, T.	Partitions by congruent sets and optimal positions
Yang, J.	Newhouse phenomenon and homoclinic classes
Yayama, Y.	Existence of a measurable saturated compensation function between subshifts and its applications
Zhao, X.	Non-singular Smale flows on three-dimensional manifolds and Whitehead torsion

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 typescripts

Two copies of the manuscript 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. A paper may also be submitted electronically in postscript 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.

The editor will send the manuscript to the referee electronically, if possible, and also airmail a copy to him/her. However, the editor can decide if the material is inappropriate for the journal and will also make the final decision regarding acceptance or rejection. Should you need further information you should communicate in the first instance with the editor in charge of your paper. In an attempt to decrease the journal's backlog an editor may decline a submission (without using the normal refereeing process) if he/she considers that a 'reasonable' referee might not recommend the paper sufficiently strongly, or (possibly) if the paper is more than 30 pages long. Such summary action, with its inherent risk of unfairness, seems preferable to introducing a moratorium (the only other alternative) and has the advantage that delayed negative decisions might be avoided. This policy will be reviewed at a later date.

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 on disc including the figures (line figures only) and all author-defined macro and style files, to the Managing Editors, together with a hard copy produced using the same file. Discs should be in Apple Mac or PC format and will not be returned. The publisher reserves the right to typeset any article by conventional means if the author's TEX code presents problems in production.

Typescript

Papers should be typed, double-spaced, on one side only and 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

It is important that mathematician's expressions are clear to a printer (who is not a mathematician). For instance, n_k (n sub k) is common usage, but avoid if possible using c sub n sub k. 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.

In the typescript, italics, small capitals and capitals are specified by single, double and triple underlining. Bold-faced type is shown by wavy underlining.

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)'.

The author must enable the printer (if necessary by pencilled notes in the margin) to distinguish between similar symbols such as o, O, o, O, 0; x, X, $\times$; ϕ, Φ, $\varnothing$; l, 1; ε, $\in$; κ, k.

There is no need to underline Greek or script letters provided these are clearly typed. Any special symbols should be explained on a separate sheet of directions for the printer.

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

Footnotes should be avoided.

Diagrams

Figures and drawings should be on separate sheets in black ink or produced by computer to comparable quality. Photocopies are acceptable only if they are as clear as the originals. *Symbols, legends and captions should be given on a transparent overlay.* Each text figure must be numbered as Figure 1, Figure 2, ... and its intended position clearly indicated in the typescript. The author's name in pencil must be on all separate sheets of diagrams. Figures should be used sparingly and only when they greatly clarify the exposition.

Tables

Tables should be numbered (above the table) and set out on separate sheets. 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. 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. 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 set of proofs for correction. If excessive alterations to the original manuscript are requested after the paper has been typeset, the author will be charged the cost of resetting. 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