

Mathematics

Books and Journals from Cambridge University Press

Cambridge is a world leading publisher in pure and applied mathematics, with an extensive programme of high quality books and journals that reaches into every corner of the subject.

Our catalogue reflects not only the breadth of mathematics but also its depth, with titles for undergraduate students, for graduate students, for researchers and for users of mathematics.

We are proud to include world class researchers and influential educators amongst our authors, and also to publish in partnership with leading mathematical societies.

For further details visit:
cambridge.org/core-mathematics

Cambridge
Core

 CAMBRIDGE
UNIVERSITY PRESS
cotg u

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 via the website: <http://mc.manuscriptcentral.com/etds>.

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 L^AT_EX using the ETDS L^AT_EX class file. Papers that use this class file will be processed more efficiently. A L^AT_EX2e 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 acceptance of a paper, authors should upload the L^AT_EX source code including the figures (line figures only) and all author-defined macro and style files, together with a pdf produced using the same file, via the submission site <http://mc.manuscriptcentral.com/etds>.

The publisher reserves the right to typeset any article by conventional means if the author's T_EX code presents problems in production.

Manuscript

Papers should be typed 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 L^AT_EX 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.

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

VOLUME 39 PART 5 MAY 2019

CONTENTS

<i>Filip, S.</i> Notes on the multiplicative ergodic theorem (Survey)	1153
<i>Arbieto, A., Cordeiro, W. and Pacifico, M. J.</i> Continuum-wise expansivity and entropy for flows	1190
<i>Arenas-Carmona, L., Berend, D. and Bergelson, V.</i> An almost mixing of all orders property of algebraic dynamical systems	1211
<i>Ban, J.-C., Hu, W.-G. and Lin, S.-S.</i> Pattern generation problems arising in multiplicative integer systems	1234
<i>Bernardi, O. and Florio, A.</i> A Conley-type decomposition of the strong chain recurrent set	1261
<i>Fan, A.-H.</i> Weighted Birkhoff ergodic theorem with oscillating weights	1275
<i>Frisch, J., Schlank, T. and Tamuz, O.</i> Normal amenable subgroups of the automorphism group of the full shift	1290
<i>Griesmer, J. T.</i> Recurrence, rigidity, and popular differences	1299
<i>Johansson, A., Öberg, A. and Pollicott, M.</i> Phase transitions in long-range Ising models and an optimal condition for factors of g -measures	1317
<i>Khanin, K. and Kocić, S.</i> Hausdorff dimension of invariant measure of circle diffeomorphisms with a break point	1331
<i>Raja, C. R. E. and Shah, R.</i> Some properties of distal actions on locally compact groups	1340
<i>Smania, D.</i> Shy shadows of infinite-dimensional partially hyperbolic invariant sets	1361
<i>Yang, L.</i> Hausdorff dimension of divergent diagonal geodesics on product of finite-volume hyperbolic spaces	1401

Cambridge Core
For further information about this journal
please go to the journal website at:
cambridge.org/ets



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS