

Notes for contributors

A submission to Applied Probability is considered as a submission to either *Journal of Applied Probability* (JAP) or *Advances in Applied Probability* (AAP). Longer papers are typically published in AAP, but the assignment of papers between the two journals is made by the Executive Editor on an issue-by-issue basis. Short communications and letters specifically relating to papers appearing in either JAP or AAP are published in JAP.

Papers submitted to the Applied Probability journals are considered on the understanding that they have not been published previously and are not under consideration by another publication. Accepted papers will not be published elsewhere without the written permission of the Trust. Submitted papers should be in English. It is the author's responsibility to ensure an acceptable standard of language, and a paper failing to meet this requirement may go back to the author for rewriting before being sent out for review.

Papers should include: (i) a **short abstract** of 4–10 lines giving a non-mathematical description of the subject matter and results; (ii) a list of **keywords** detailing the contents; and (iii) a list of **classifications**, using the 2010 Mathematics Subject Classification scheme (<http://www.ams.org/msc/>). Letters to the Editor need not include these. To assist authors in writing papers in the Applied Probability style, they may use the L^AT_EX class file `aptpub.cls`, available from <http://www.appliedprobability.org/>. Use of this class file is not a condition of submission, but will considerably increase the speed at which papers are processed.

Papers should be submitted electronically through ScholarOne at <https://mc.manuscriptcentral.com/apjournals>. All submissions will be acknowledged on receipt.

Copyright

The copyright of all published papers is vested in the Applied Probability Trust. When a paper is accepted for publication, the Trust asks the authors to assign copyright by signing a form in which the terms of copyright are listed. Failure to do this promptly may delay or prevent publication.

Authorisation to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by the Applied Probability Trust for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the corresponding processing and royalty fees (see <http://www.copyright.com>) are paid directly to CCC, 222 Rosewood Drive, Danvers, MA 01923, USA. 0021–9002/19

PRINTED IN GREAT BRITAIN BY BELL & BAIN LTD



MIX
Paper from
responsible sources
FSC® C007785

Volume 59 Number 1

Research Papers

- 1 GIANG T. NGUYEN AND OSCAR PERALTA. Rate of strong convergence to Markov-modulated Brownian motion
- 17 XIAOQING LIANG AND VIRGINIA R. YOUNG. Discounted probability of exponential Parisian ruin: diffusion approximation
- 38 FRANÇOIS BACCELLI, MICHEL DAVYDOV AND THIBAUD TAILLEFUMIER. Replica-mean-field limits of Fragmentation-interaction-aggregation processes
- 60 BENJAMIN HOLLERING AND SETH SULLIVANT. Exchangeable and sampling-consistent distributions on rooted binary trees
- 81 LANPENG JI AND XIAOFAN PENG. Extrema of multi-dimensional Gaussian processes over random intervals
- 105 YOUNG LEE, PATRICK J. LAUB, THOMAS TAIMRE, HONGBIAO ZHAO AND JIANCANG ZHUANG. Exact simulation of extrinsic stress-release processes
- 118 SIMON TAVARÉ. A note on the Screaming Toes game
- 131 JACOB RICHEY AND AMITES SARKAR. Intersections of random sets
- 152 DAVID ARISTOFF. An ergodic theorem for the weighted ensemble method
- 167 KHWANCHAI KUNWAI. On Foster–Lyapunov criteria for exponential ergodicity of regime-switching jump diffusion processes with countable regimes
- 187 KRZYSZTOF DĘBICKI, ENKELEJD HASHORVA AND ZBIGNIEW MICHNA. On the continuity of Pickands constants
- 202 TIAN TIAN MAO, QINYU WU AND TAIZHONG HU. Further Properties Of Fractional Stochastic Dominance
- 224 HUA-MING WANG AND HUIZI YAO. Two-type linear-fractional branching processes in Varying environments with asymptotically constant mean matrices
- 256 MATTHEW I. ROBERTS. Cover time for branching random walks on regular trees
- 278 JOSHUA SPARKS, SRINIVASAN BALAJI AND HOSAM MAHMOUD. The containment profile of hyper-recursive trees
- 297 APPLIED PROBABILITY TRUST PRIZES 2021