

Advances in Applied Probability

The Editorial Board would like to encourage the submission to the *Advances* of review papers summarising and coordinating recent results in any of the fields of applied probability.

In addition to these review papers, *Advances* is also designed to be a medium of publication for (1) longer research papers in applied probability, which may include expository material, (2) expository papers on branches of mathematics of interest to probabilists, (3) papers outlining areas in the biological, physical, social and technological sciences in which probability models can be usefully developed, (4) papers in applied probability presented at conferences which do not publish their proceedings, and finally, (5) letters to the editor on any appropriate topic in applied probability.

In short, the main function of *Advances* is to define areas of recent progress and potential development in applied probability. As with the *Journal of Applied Probability*, *Advances* undertakes to publish papers accepted by the Editors within 15 months of their submission; letters to the editor will normally be published more rapidly.

Volume 22 No. 2 of *Advances* contains the following papers:

PHILIPPE PICARD AND CLAUDE LEFEVRE. A unified analysis of the final size and severity distribution in collective Reed–Frost epidemic processes

J. M. McNAMARA. The policy which maximises long-term survival of an animal faced with the risks of starvation and predation

SIDNEY RESNICK AND RISHIN ROY. Multivariate extremal processes, leader processes and dynamic choice models

PETER HALL AND INGE KOCH. On continuous image models and image analysis in the presence of correlated noise

S. T. RACHEV AND L. RÜSCHENDORF. Approximation of sums by compound Poisson distributions with respect to stop-loss distances

C. DONATI-MARTIN. Le problème de Buffon–Syngé pour une corde

DOUGLAS P. KENNEDY AND ROBERT P. KERTZ. Limit theorems for threshold-stopped random variables with applications to optimal stopping

GORDON SIMONS AND YI-CHING YAO. Some results on the bomber problem

RICHARD J. BOUCHERIE AND NICO M. VAN DIJK. Spatial birth–death processes with multiple changes and applications to batch service networks and clustering processes

R. SCHAßBERGER. The steady-state appearance of the $M/G/1$ queue under the discipline of shortest remaining processing time

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Volume 27 Number 2

Research Papers

- 239 MARK FINKELSTEIN, HOWARD G. TUCKER AND JERRY ALAN VEEH. The limit distribution of the number of rare mutants
- 251 A. W. KEMP AND J. NEWTON. Certain state-dependent processes for dichotomised parasite populations
- 259 PETER MATTHEWS. Mixing rates for Brownian motion in a convex polyhedron
- 269 BAO GIA NGUYEN. Percolation of coalescing random walks
- 278 P. K. POLLETT. A note on the classification of Q -processes when Q is not regular
- 291 M. T. ALPUIM AND E. ATHAYDE. On the stationary distribution of some extremal Markovian sequences
- 303 CLAUDINE ROBERT. An entropy concentration theorem: applications in artificial intelligence and descriptive statistics
- 314 A. A. ALZAID AND M. AL-OSH. An integer-valued p th-order autoregressive structure (INAR(p)) process
- 325 C. H. SIM. First-order autoregressive models for gamma and exponential processes
- 333 E. G. ENNS AND E. Z. FERENSTEIN. A competitive best-choice problem with Poisson arrivals
- 343 M. J. M. POSNER AND D. ZUCKERMAN. Optimal R&D programs in a random environment
- 351 RHONDA RIGHTER. Stochastically maximizing the number of successes in a sequential assignment problem
- 365 BENT NATVIG. On information-based minimal repair and the reduction in remaining system lifetime due to the failure of a specific module
- 376 BENJAMIN MELAMED AND WARD WHITT. On arrivals that see time averages: a martingale approach
- 385 BEHNAM POURBABAI. A note on a $D/G/K$ loss system with retrials
- 393 NICO M. VAN DIJK. Queueing systems with restricted workload: an explicit solution
- 401 NICO M. VAN DIJK AND ERIC SMEITINK. A non-exponential queueing system with independent arrivals and batch servicing
- 409 RHONDA RIGHTER, J. GEORGE SHANTHIKUMAR AND GENJI YAMAZAKI. On extremal service disciplines in single-state queueing systems
- 417 XING JIN AND RONGXIN WANG. On the speed of convergence for the queue length process of $GI/G/K$ systems in heavy traffic
- 425 HAHN-KYOU RHEE AND B. D. SIVAZLIAN. Distribution of the busy period in a controllable $M/M/2$ queue operating under the triadic $(0, K, N, M)$ policy

Short Communications

- 433 RICHARD COWAN, DAVID CULPIN AND DAVID GATES. Asymptotic results for a problem of DNA breakage
- 440 J. MUÑOZ-PEREZ AND A. SANCHEZ-GOMEZ. Dispersive ordering by dilation
- 445 D. FAKINOS. On the relation between partial balance and insensitivity
- 452 OURANIA CHRYSAPHINOOU AND STAVROS PAPASTAVRIDIS. Reliability of a consecutive- k -out-of- n system in a random environment
- 459 MASAOKI KIJIMA AND NAOKI MAKIMOTO. On interchangeability for exponential single-server queues in tandem
- 465 ARIE HAREL. Convexity results for single-server queues and for multiserver queues with constant service times
- 469 JOSEF HEMKER. A note on sojourn times in queuing networks with multiserver nodes
- Letters to the Editor*
- 475 ARIE HAREL. On honest Bernoulli excursions
- 476 R. CRESSMAN AND W. G. S. HINES. A note on the stability of interior ESSs in a diploid population