

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in which probability models can be usefully developed, (4) papers in applied probability presented at conferences which do not publish their proceedings, and finally, (5) letters to the editor on any appropriate topic in applied probability.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. 3 of *Advances* contains the following papers:

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WOLFGANG STADJE AND DROR ZUCKERMAN. Optimal strategies for some repair replacement models
KEITH W. ROSS AND DANNY TSANG. Teletraffic engineering for product-form circuit-switched networks
D. M. LUCANTONI, KATHLEEN S. MEIER-HELLSTERN AND MARCEL F. NEUTS. A single-server queue with server vacations and a class of non-renewal arrival processes
OFFER KELLA AND WARD WHITT. Diffusion approximations for queues with server vacations
M. A. WORTMAN AND RALPH L. DISNEY. Vacation queues with Markov schedules

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