

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models can be usefully developed, and finally, (4) papers in Applied Probability presented at conferences which do not publish their proceedings.

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.

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Volume 6 No. 2 of *Advances* contains the following papers:

Third conference on stochastic processes and their applications

- | | |
|----------------|--|
| C. Cannings | The latent roots of certain Markov chains arising in genetics: A new approach, I. Haploid models |
| R. Fildes | An age dependent branching process with variable lifetime distribution: The generation size |
| T. Lindvall | Limit theorems for some functionals of critical Galton-Watson branching processes |
| A. Agresti | Bounds on the extinction time distribution of a branching process |
| M. S. Bartlett | The statistical analysis of spatial pattern |
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- In Number 1:
- | | |
|----------------|---|
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| Ramesh Kapadia | How rigorous can a proof be? |
| Richard Rado | How the lion tamer was saved |
| J. D. Murray | Approximate methods in mathematics |
- In Number 2:
- | | |
|--------------------------------|---|
| Underwood Dudley | Who was the first-non-Euclidean? |
| Joan Holland | A matrix method for solving cubic equations numerically |
| Pat Rogers | The continuum hypothesis |
| D. K. Ross and
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