## THE ANNALS

of

## APPLIED PROBABILITY

## AN OFFICIAL JOURNAL OF THE INSTITUTE OF MATHEMATICAL STATISTICS

## Articles

Killed Brownian motion with a prescribed lifetime distribution and models of default BORIS ETTINGER, STEVEN N. EVANS AND ALEXANDRU HENING	1
The Wang–Landau algorithm reaches the flat histogram criterion in finite time PIERRE E. JACOB AND ROBIN J. RYDER	34
The fundamental theorem of asset pricing, the hedging problem and maximal claims in financial markets with short sales prohibitions SERGIO PULIDO	54
Qualitative properties of $\alpha$ -fair policies in bandwidth-sharing networks D. Shah, J. N. Tsitsiklis and Y. Zhong	76
A Gibbs sampler on the <i>n</i> -simplex	114
Minimising MCMC variance via diffusion limits, with an application to simulated temperingGARETH O. ROBERTS AND JEFFREY S. ROSENTHAL	131
A complete convergence theorem for voter model perturbations  J. THEODORE COX AND EDWIN A. PERKINS	150
Long-range last-passage percolation on the line SERGEY FOSS, JAMES B. MARTIN AND PHILIPP SCHMIDT	198
Deviation inequalities, moderate deviations and some limit theorems for bifurcating Markov chains with application S. VALÈRE BITSEKI PENDA, HACÈNE DJELLOUT AND ARNAUD GUILLIN	235
On the stability of planar randomly switched systems	292
A stochastic control approach to no-arbitrage bounds given marginals, with an application to lookback options	312
Error bounds for Metropolis–Hastings algorithms applied to perturbations of Gaussian measures in high dimensions	337
Many-server heavy-traffic limit for queues with time-varying parameters YUNAN LIU AND WARD WHITT	378
Loss of memory of hidden Markov models and Lyapunov exponents PIERRE COLLET AND FLORENCIA LEONARDI	422
A note on "Bayesian nonparametric estimators derived from conditional Gibbs structures" Antonio Lijoi, Igor Prünster and Stephen G. Walker	447