THE ANNALS

of APPLIED PROBABILITY

AN OFFICIAL JOURNAL OF THE INSTITUTE OF MATHEMATICAL STATISTICS

rti	

The Russian option: reduced regret Larry Shepp and A. N. Shiryaev	631
Arbitrage pricing of Russian options and perpetual lookback options	
J. DARRELL DUFFIE AND J. MICHAEL HARRISON	641
Hedging contingent claims with constrained portfolios	
Jakša Cvitanić and Ioannis Karatzas	652
Parallel and tandem fluid networks with dependent Lévy inputs OFFER KELLA	682
Comparison theorems for reversible Markov chains	•••
Persi Diaconis and Laurent Saloff-Coste	696
The asymptotic probability of a tie for first place	000
BENNETT EISENBERG, GILBERT STENGLE AND GILBERT STRANG	731
First passage percolation for random colorings of \mathbb{Z}^d	.01
Luiz Fontes and Charles M. Newman	746
On ladder height distributions of general risk processes	
MASAKIYO MIYAZAWA AND VOLKER SCHMIDT	763
Backward-forward stochastic differential equations Fabio Antonelli	777
A matching problem and subadditive Euclidean functionals WanSoo T. Rhee	794
A selection–replacement process on the circle	
E. G. COFFMAN, Jr., E. N. GILBERT AND P. W. SHOR	802
Rates of convergence for data augmentation on finite sample spaces	002
JEFFREY S. ROSENTHAL	819
A limit theorem for functionals of jumps of birth and death processes	010
under heavy traffic condition Keigo Yamada and Sung Jo Hong	840
The equivalence of the Cox process with squared radial Ornstein-Uhlenbeck	0.10
intensity and the death process in a simple population model	
Peter Clifford and Gang Wei	863
Asymptotic properties of centered systematic sampling for predicting	000
integrals of spatial processes MICHAEL L. STEIN	874
Queues in series in light traffic B. BLASZCZYSZYN AND T. ROLSKI	881
Accelerating Gaussian diffusions	001
CHII-RUEY HWANG, SHU-YIN HWANG-MA AND SHUENN-JYI SHEU	897
Importance sampling for Gibbs random fields	٠.
PAOLO BALDI, ARNOLDO FRIGESSI AND MAURO PICCIONI	914

Vol. 3, No. 3—August 1993