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# stochastic processes and their applications

an official journal of the Bernoulli Society  
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## CONTENTS

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## Regular Papers

- M. Scheuerer, Regularity of the sample paths of a general second order random field 1879
- D. Blount and M.A. Kouritzin, On convergence determining and separating classes of functions 1898
- C. Hess, R. Seri and C. Choirat, Ergodic theorems for extended real-valued random variables 1908
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- M.-A. Morlais, A new existence result for quadratic BSDEs with jumps with application to the utility maximization problem 1966
- K. Du and Q. Meng, A revisit to  $W_2^n$ -theory of super-parabolic backward stochastic partial differential equations in  $\mathbb{R}^d$  1996
- D. Covello and M. Santacroce, Power utility maximization under partial information: Some convergence results 2016
- S. del Baño Rollin, A. Ferreira-Castilla and F. Utzet, On the density of log-spot in the Heston volatility model 2037
- C. Böinghoff and G. Kersting, Upper large deviations of branching processes in a random environment—Offspring distributions with geometrically bounded tails 2064
- M.V. Menshikov and A.R. Wade, Rate of escape and central limit theorem for the supercritical Lamperti problem 2078

## Errata

- J.-M. Azaïs and M. Wschebor, Erratum to: "A general expression for the distribution of the maximum of a Gaussian field and the approximation of the tail" [Stochastic Process. Appl. 118 (7) (2008) 1190–1218] 2100
- S. Albeverio, V. Barbu and B. Ferrario, Erratum to "Uniqueness of the generators of 2D Euler and Stokes flows" [Stochastic Process. Appl. 118 (11) (2008) 2071–2084] 2102

