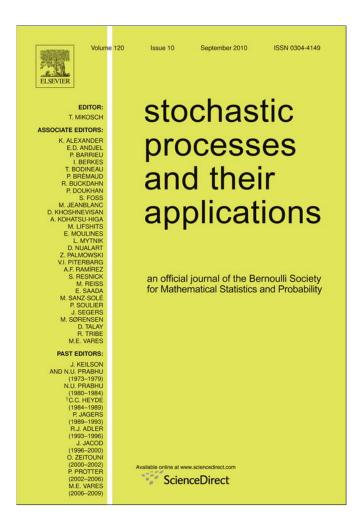
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Erratum

## 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]

Jean-Marc Azaïs<sup>a,\*</sup>, Mario Wschebor<sup>b</sup>

<sup>a</sup> Université de Toulouse, IMT ESP, 31062 Toulouse Cedex 9, France <sup>b</sup> Centro de Matemática, Facultad de Ciencias, Universidad de la República, Calle Igua 4225, 11400 Montevideo, Uruguay

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In our paper [1], one has to add a condition on the function  $\rho$  to ensure that the results in Section 4 and example (2) in Section 6 of the paper will hold true.

More precisely, we add the assumption that the function  $\rho$  such that the covariance of the real-valued random field  $\{X(t) : t \in \mathbb{R}^d\}$  satisfies formula (11):

 $\mathbb{E}(X(s)X(t)) = \rho(\|s-t\|^2)$ 

has the property that  $\rho(||s - t||^2)$  is a covariance for every dimension  $d \ge 1$ . The functions  $\rho : \mathbb{R}^+ \to \mathbb{R}$  for which this holds have been characterized by Schoenberg [2]: they are the Laplace transforms of finite Borel non-negative measures defined on  $\mathbb{R}^+$ .

The added condition implies that  $\rho'' - {\rho'}^2 \ge 0$  (this is Statement 5 in Lemma 2, which may otherwise not be satisfied).

Consequently, one has also to include in example (2) of Section 6 of the paper the requirement that the function  $\rho$  satisfies the above added condition, as well as in the statement of Theorem 7.

\* Corresponding author. E-mail addresses: azais@cict.fr (J.-M. Azaïs), wschebor@cmat.edu.uy (M. Wschebor).

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