Contribution ID: 24

Type: Speaker

Estimates for distributions of Hölder semi-norms of random processes from spaces $F_{\psi}(\Omega)$

Wednesday, 16 August 2017 14:30 (30 minutes)

In the following we deal with estimates for distributions of Hölder semi-norms of sample functions of random processes from spaces $\mathbb{F}_{\psi}(\Omega)$, defined on a compact metric space and on an infinite interval $[0, \infty)$, i.e. probabilities

 $P\left\{\sup_{substack0 < \rho(t,s) \le \varepsilon t, s \in \mathbb{T}} \frac{|X(t) - X(s)|}{f(\rho(t,s))} > x\right\}. Suchestimates and assumption sunder which semi-norms of sample functions of reductions of reductions of the transmission of the transmissic transmission of the transmissic transmission of$

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