

CONTINUITÉ DES TRAJECTOIRES DES CHAOS GAUSSIENS DE DEGRÉ
FINI

P. Heinrich

Abstract: We extend a theorem due to Fernique [4]: let X be a Gaussian real chaos of finite degree on a metric compact set T . Suppose that X is continuous in probability and a.s. continuous along \mathcal{D} , where \mathcal{D} is a countable dense subset of T . Then X has a modification with continuous paths. This result is obtained by using decoupling methods [1], integrability properties for homogeneous Gaussian chaos and numerical oscillations of random functions [6].

2000 AMS Mathematics Subject Classification: Primary: -; Secondary: -;

Key words and phrases: -

THE FULL TEXT IS AVAILABLE [HERE](#)