

APPROXIMATION DU TEMPS LOCAL DES CHAMPS ALÉATOIRES
GAUSSIENS STATIONNAIRES PAR REGULARISATION DES
TRAJECTOIRES

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Abstract: Let $\{X(t), t \in R^d\}$ be a stationary gaussian field. We are looking for the $(d - 1)$ -dimensional area measure of the intersection with zero level of the field regularized by convolution. Under some conditions and with an appropriated normalization, this measure converges in L^2 towards a limit which is the local time, when X admits a continuous local time.

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