CENTRAL LIMIT THEOREMS FOR RANDOM STAIN

Hassan Hussien Ebrahim

Abstract: The Central Limit Theorem in $\mathbb{R}$ and $\mathbb{R}^n$ is proved for two-parameter stochastic process proposed in [6] as a model of a stain of pollution.

2000 AMS Mathematics Subject Classification: 60B12, 60F0S.

Key words and phrases: Central Limit Theorem, two-parameter stochastic process, Poisson process, covariance matrix.

THE FULL TEXT IS AVAILABLE HERE