

Uniform Hausdorff Dimension Results for Gaussian Random Fields and the Stochastic Heat Equations

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This talk is concerned with fractal properties of random fields and the solution to a system of SPDEs. In particular, we present certain uniform Hausdorff dimension results for Gaussian random fields and the solution to a system of stochastic heat equations. This is based on the joint work with D. Khoshnevisan, C.-Y. Lee, and F. Pu.