Xia Chen

University of Tennessee

Intermittency for hyperbolic Anderson equations with time-independent Gaussian noise: Stratonovich regime

Abstract

Recently, a precise intermittency for the hyperbolic Anderson model

$$\frac{\partial^2 u}{\partial t^2}(t, x) = \Delta u(t, x) + \dot{W}(x)u(t, x)$$

has been established in Itô-Skorohod regime. In this talk, we discuss the same problem in Stratonovich regime. Our approach provides new ingredient on representation and computation for Stratonovich moments.

The work is based on a collaborative project with Hu, Yaozhong.