数学与系统科学研究院

计算数学所博士后学术报告

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报告题目：

Stochastic Symplectic and Multi-Symplectic methods for stochastic nonlinear Schrödinger **equation with quadratic potential**

报告时间：2016 年 11 月 9 日（周三）下午 16:00-17:00

报告地点： **科技综合楼三层 311 报告厅**

Abstract：

In this paper, we focus on stochastic nonlinear Schrödinger equation with quadratic potential and additive noise. We indicate that the equation possesses stochastic symplectic and multi-symplectic structures. Based on these structures, we propose the stochastic symplectic and multi-symplectic methods, present the charge and energy evolution laws and show the error estimate of stochastic symplectic method.

欢迎大家参加！