

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Guofu Yu**

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报告题目:

**Matrix integral solutions to the
related Leznov lattice equations**

邀请人: 常向科 副研究员

报告时间: **2019 年 12 月 11 日 (周三)**

晚上 19:30-20:30

报告地点: **数学院南楼二层**

224 教室

Abstract:

Matrix integrals used in random matrix theory for the study of eigenvalues of Matrix ensembles have been shown to provide tau-functions for several hierarchies of integrable equations. In this talk, we construct the matrix integral solutions to the Leznov lattice equation, its semi-discrete and full-discrete version, Pfaffianized Leznov lattice system and one Pfaffianized semi-discrete Leznov system. We show that the parameter dependent partition function of Jacobi Orthogonal Ensemble and the Jacobi Symplectic Ensemble appear.

欢迎大家参加！