

数学与系统科学研究院

计算数学所学术报告

报告人: **Dr. Sun Jianqing**

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报告题目:

**Integrable systems and numerical
algorithms**

邀请人: 胡星标 研究员

报告时间: **2014 年 11 月 21 日 (周 五)**

晚上 20:00-21:00

报告地点: 数学院南楼七层 702
会议室

Abstract:

This talk is referred to the study of integrable systems and numerical algorithms. The molecule solution of an extended discrete Lotka–Volterra equation is constructed, from which a new sequence transformation is proposed. A convergence acceleration algorithm for implementing this sequence transformation is found. It is shown that our new sequence transformation accelerates some kinds of linearly convergent sequences and factorially convergent sequences with good numerical stability. Some numerical examples are also presented.

欢迎大家参加！