

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Dajun Zhang**

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报告题目:

**Multidimensional consistency and
new discrete integrable systems**

邀请人: 常向科 副研究员

报告时间: **2020 年 1 月 6 日 (周一)**

下午 14:30-15:30

报告地点: 数学院南楼二层

205 教室

Abstract:

The property of multidimensional consistency plays an important role in the investigation of lattice equations. In this talk first I will briefly recall this property and some examples of multidimensionally consistent equations such as discrete Burgers, lattice potential KdV, Miwa's equation, and so on. Then I will introduce some extensions based on multidimensionally consistent equations, such as two-component version and edge systems. Some new discrete integrable systems can be obtained from these extensions. (In collaboration with Peter van der Kamp and Danda Zhang.)

欢迎大家参加！