数学与系统科学研究院

计算数学所学术报告

报告人： **Dr. Linyu Peng**

（ *Waseda University, Japan* ）

报告题目：

Self-adjointness and conservation laws for difference equations

邀请人： 胡星标 研究员

报告时间：2015 年 8 月 17 日（周一）

上午 11:00~12:00

报告地点： 数学院南楼七层

702 会议室

Abstract：

The celebrating Noether's (first) theorem establishes a connection between variational symmetries and conservation laws. For that purpose, usually a variational structure is necessary. Namely one starts with a Lagrangian. Nonlinear self-adjointness allows one to construct conservation laws from symmetries of a system itself (rather than variational symmetries of a Lagrangian). We generalise such techniques to difference equations with illustrative examples.

欢迎大家参加！