

数学与系统科学研究院

计算数学所学术报告

报告人: 朱佐农 教授

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报告题目:

**On nonintegrable space discrete  
Hirota equation**

邀请人: 胡星标 研究员

报告时间: 2018 年 5 月 18 日 (周三)

**晚上 19:00-20:00**

报告地点: 数学院南楼七层

**702 教室**

## **Abstract:**

**In this talk, we investigate nonintegrable space discrete Hirota equation with two cases of focusing and defocusing. We focus on the topics on gauge equivalent structures and dynamical behaviours for the two nonintegrable discrete equations. We will show that nonintegrable discrete defocusing Hirota equation and nonintegrable discrete focusing Hirota equation are respectively gauge equivalent to the nonintegrable generalized discrete modified Heisenberg ferromagnet equation and the nonintegrable generalized discrete Heisenberg ferromagnet equation. The dynamical behaviours of the two nonintegrable discrete Hirota equations are discussed. This is a joint work with Dr. L Y Ma.**

**欢迎大家参加！**