数学与系统科学研究院

计算数学所网络学术报告

报告人： 刘冲 副教授

（ 西北大学 ）

报告题目：

Finding new nonlinear waves in "old" integrable systems

邀请人： 胡星标 研究员

报告时间：2021 年 11 月 24 日（周三） 晚上 19:45-20:30

报告工具：腾讯会议（ID：454145612）

Abstract：

Nonlinear wave phenomena are ubiquitous in nature. Finding new nonlinear waves and understanding their physics are always a challenge in physics. Generally, constructing exact solutions in integrable systems has been considered as the first step. However, the resulting exact solutions are usually complex. Such complexity prevented researchers to study wave phenomena deeply. We show in this talk how to find new nonlinear waves and understand their physics starting with numerical observations. As a example, we show new breathers in the well-known Manakov system.

欢迎大家参加！