

数学与系统科学研究院

计算数学所学术报告

**报告人: Associate Prof. Jianqing Sun**

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**报告题目:**

**A numerical study of the 3-periodic  
wave solutions to KdV-type  
equations**

**邀请人: 胡星标 研究员**

**报告时间: 2017 年 3 月 15 日 (周三)**

**晚上 20:00-21:00**

**报告地点: 数学院南楼六层**

**602 教室**

## **Abstract:**

**In this talk, by using the direct method of calculating periodic wave solutions proposed by Akira Nakamura, we present a numerical process to calculate the three-periodic wave solutions to several KdV-type equations: the KdV equation, the SK equation, the Boussinesq equation, the Ito equation, the Hietarinta equation and the KP equation. Some detailed numerical examples are given to show the existence of the three-periodic wave solutions numerically.**

**欢迎大家参加！**