

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Biao Li**

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报告题目:

**Peakon solutions of Alice-Bob
b-family equation**

邀请人: 胡星标 研究员

报告时间: 2019 年 12 月 6 日 (周五)

下午 14:00-15:00

报告地点: 数学院南楼二层

202 教室

Abstract:

By requiring and substituting into the b-family equation, we can obtain Alice-Bob peakon systems, where and are the arbitrary shifted parity transformation and delayed time reversal transformation, respectively. The nonlocal integrable Camassa-Holm equation and Degasperis-Procesi equation can be derived from the Alice-Bob b-family equations by choosing different parameters. Some new types of interesting solutions are solved including explicit one-peakons, two-peakons, and -peakons solutions.

欢迎大家参加！