数学与系统科学研究院

计算数学所学术报告

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报告题目：

Integrable discretizations to the reduced Ostrovsky equation and its two-component generalization

邀请人：　胡星标 研究员

报告时间：2015 年 8 月 8 日（周六）

晚上 20:00~21:00

报告地点：　数学院南楼六层

602 会议室

Abstract:

In the previous talk, we proposed a two-component generalization of the reducedOstrovsky equation. We show its integrability by finding its Lax pair and further show that the two-component reduced Ostrovsky equation canbe reduced from an extended BKP hierarchy through a hodograph transformation. Meanwhile,its bilinear form and N-soliton solution in terms of pfaffians are constructed.

In this talk, we will construct the integrable discretizations of the the reduced Ostrovsky equation and its two-component generalization by Hirota's bilinear method.

欢迎大家参加！