

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Baofeng Feng**

(*Department of Mathematics,*

University of Texas--Pan American, USA)

报告题目:

**A two-component generalization of
the reduced Ostrovsky equation**

邀请人: 胡星标 研究员

报告时间: **2015 年 8 月 5 日 (周三)**

下午 15:00~16:00

报告地点: 数学院南楼七层

702 会议室

Abstract:

We proposed a two-component generalization of the reduced Ostrovsky equation. We show its integrability by finding its Lax pair. Moreover, under a pseudo 3-reduction, we have shown that the two-component reduced Ostrovsky equation can be reduced from an extended BKP hierarchy through a hodograph transformation. Meanwhile, its bilinear form and N-soliton solution in terms of pfaffians are constructed.

欢迎大家参加！