数学与系统科学研究院

计算数学所学术报告

报告人： **Prof. Zhijun Qiao**

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报告题目：

Integrable multi-component Camassa-Holm system with cubic nonlinearity

邀请人： 胡星标 研究员

报告时间：2016 年 5 月 28 日（周六）

晚上 **20:00-21:00**

报告地点： 数学院南楼七层

702 会议室

Abstract：

In this paper, we propose a multi-component system of Camassa-Holm equation with cubic nonlinearity, denoted by CH(N,H) with 2N components and an arbitrary smooth function H. This system is proven integrable in the sense of Lax pair and infinitely many conservation laws. We particularly study the case of N = 2 and derive the peaked soliton (peakon) solutions. This is Joint work with Baoqiang Xia.

欢迎大家参加！