

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**

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报告题目:

**Focusing and defocusing complex
short pulse equation (2)**

邀请人: 胡星标 研究员

报告时间: **2015 年 8 月 7 日 (周五)**

下午 15:00~16:00

报告地点: 数学院南楼七层

702 会议室

Abstract:

In the second part, we will construct the focusing and defocusing complex short pulse equation from the motion of space curve in Euclidean and Minkowski space, respectively. Based on this construction, the Lax pair can be naturally constructed. If time permits, we will show that the bright and dark soliton solution, together with the rouge wave solution to the complex short pulse equation can be constructed from the Darboux transformation.

欢迎大家参加！