

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:

**Liouville Correspondences between
Some Integrable Hierarchies**

邀请人: 胡星标 研究员

报告时间: 2016 年 11 月 20 日 (周日)

下午 15:00-16:00

报告地点: 数学院南楼七层

702 教室

Abstract:

In this talk, the Liouville correspondence between the integrable modified KdV hierarchy and its dual integrable modified Camassa-Holm hierarchy is found. It is shown that the Liouville transformation connects their Hamiltonian conservation laws. Furthermore, a novel transformation mapping the modified Camassa-Holm equation to the Camassa-Holm equation is discovered. In addition, the Liouville correspondence between the Degasperis-Procesi hierarchy and Kaup-Kupershmidt hierarchy is also established.

欢迎大家参加！