

数学与系统科学研究院

计算数学所学术报告

报告人: **Dr. Xiangke Chang**

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报告题目:

**From Toda lattice to Kac-van
Moerbeke lattice**

邀请人: 胡星标 研究员

报告时间: **2016 年 1 月 19 日 (周三)**

晚上 20:00-21:00

报告地点: 数学院南楼七层

702 会议室

Abstract:

The relations between Toda lattice and orthogonal polynomials, Kac-van Moerbeke lattice and symmetric orthogonal polynomials are introduced: The orthogonal polynomials appear as wave functions of the Lax pair of the Toda lattice due to a one-parameter deformation of the measure. A compatibility condition associated to symmetric orthogonal polynomials yields Kac-van Moerbeke lattice.

欢迎大家参加！