数学与系统科学研究院

计算数学所学术报告

报告人： **Prof. Na Lei**

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报告题目:

Computing Hyper-Elliptic Symmetry for General Surfaces

邀请人： 袁亚湘 院士

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报告时间：2015 年 11 月 3 日（周二）

下午 **16:30-17:30**

报告地点： 科技综合楼三层

311 报告厅

Abstract：

All surfaces in real life are Riemann surfaces. All the conformal (angle-preserving) automorphisms of a Riemann surface form the conformal symmetry group. In general, it is challenging to compute this symmetry group.For a large class of Riemann surfaces - hyperelliptic surfaces, a special conformal automorophism is admitted, the so-called conformal involution, whose square equals to the identity. The hyper-elliptic symmetry can be explicitly found out by using hyperbolic Riemannian metric and geodesics of simple loops. This talk will explains the theoretic foundation and algorithmic details.

欢迎大家参加！