



复旦大学数学科学学院 数学综合报告会

数学所综合报告

报告题目: Moduli spaces and crystallographic groups: The DM-compactification of moduli spaces and crystallographic groups

报告人: Professor Yukio Matsumoto
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报告时间: 2016-06-03 星期五 14:00-16:00

报告地点: 光华西辅楼 405

摘要: In this lecture, I would like to give a survey on Teichmüller spaces of Riemann surfaces and moduli spaces.

Especially I am interested in the "natural orbifold structure" of the Deligne-Mumford compactification of moduli spaces.

The lecture will give the "natural" orbifold structure of the compactified moduli space. In particular, we will show that certain crystallographic groups arise from the orbifold charts around the cusp points.

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