



## 复旦大学数学科学学院 数学综合报告会

报告题目：**On Weil-Petersson Geometry on Universal Teichmuller Space**

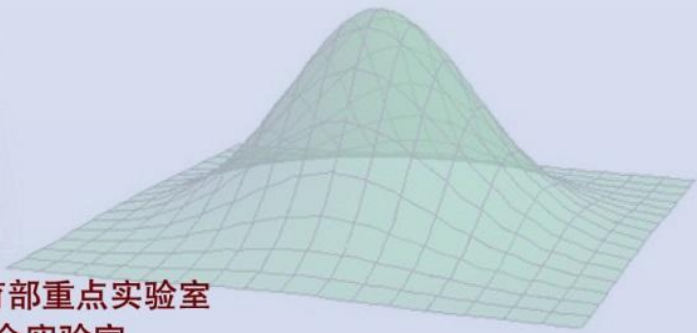
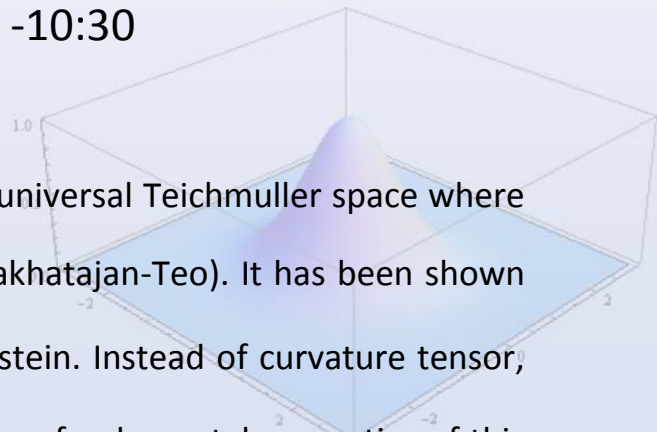
报告人：Zheng Huang

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报告时间：2018-01-10 星期三 9:30 -10:30

报告地点：光华东主楼 1801

摘要： I will describe Hilbert structure on the universal Teichmuller space where the Weil-Petersson metric is well defined (via Takhtajan-Teo). It has been shown that the WP metric is negatively curved and Einstein. Instead of curvature tensor, we consider its curvature operator and study some fundamental properties of this operator. In particular we show the operator is non-positive, bounded, and noncompact. This is based on joint work with Yunhui Wu.



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