



微分方程与计算物理研究室
数学物理系列报告

报告题目: Tautological relations and its applications on Hodge integrals

报告人: 王新副教授 山东大学

时间: 2025.1.20 (周一), 10:30-11:30

地点: 数学院南楼 613

摘要: Firstly, we discuss some results about structures of topological recursion relations on the moduli space of curves. Then motivated by Virasoro conjecture, we propose three conjectures about universal constraints on Hodge integrals. In the end, we prove these conjectures via tautological relations in lower genus.