

数学与系统科学研究院
计算数学所网络学术报告

报告人: 杨迪 教授

(中国科学技术大学)

报告题目:

**On Masur--Veech Volumes of
Quadratic Differentials (I)**

邀请人: 常向科 副研究员

报告时间: 2021 年 11 月 29 日 (周一)

下午 14:00-14:45

报告工具: 腾讯会议 (ID: 125886420)

Abstract:

In this series of two talks I will report recent joint works with Jindong Guo, Don Zagier and Youjin Zhang. In the first part of the series, based on the Chen--Moeller--Sauvaget formula, we apply the theory of integrable systems to derive Painlevé-type equations for the generating series of the Masur--Veech (MV) volumes associated with the principal strata of the moduli spaces of quadratic differentials, and propose refinements of the conjectural formulas given by Delecroix et al. for the large genus asymptotics of the MV volumes and of the associated area Siegel--Veech constants.

欢迎大家参加！