

Spring 2025

Geometry and Topology Seminar

Title

Spectrum on locally symmetric spaces

Speaker: Hongwei Zhang, Paderborn University

Date: March 14, 2025

Time: 4:00PM (China Standard Time)

Tencent Meeting:

Abstract: In this talk we will discuss, on a locally symmetric space of higher rank and infinite volume, the relation between the bottom of the L²-spectrum of the Laplace-Beltrami operator, and the convergence rate of the discrete subgroup. We will also talk about their implications for the Strichartz inequality, a key tool in the study of nonlinear dispersive equations.