Summer 2025

Geometry and Topology Seminar

Title
Positivity of simplicial volume for closed nonpositively curved four-manifolds

Speaker:	Xueyuan Wan, Chongqing University of Technology
Date:	July 22, 2025
Time:	3:00PM (China Standard Time)
Tencent Meeting:	382-868-2051, Password: 202507

Abstract: We prove that any closed, non-positively curved 4-manifold with non-zero Euler characteristic has positive simplicial volume. As a consequence, Gromov's conjecture on the positivity of simplicial volume in dimension four is confirmed. This work is joint with Inkang Kim.