

*Spring 2025*

# Geometry and Topology Seminar

Title

*Rational ellipticity of Riemannian manifolds*

Speaker: Xiaoyang Chen, Tongji University

Date: January 22, 2025

Time: 10:00AM (China Standard Time)

Tencent Meeting: 890-686-6792 , Password: 202501

**Abstract:** It was conjectured by Bott-Grove-Halperin that a compact simply connected Riemannian manifold with nonnegative sectional curvature is rationally elliptic, i.e., it has finite dimensional rational homotopy groups. We will discuss some recent progress on this conjecture.