Spring 2025

Geometry and Topology Seminar

Title

Scalar curvature and volume entropy of hyperbolic manifolds

Speaker:	Kai Xu, Duke University
Date:	April 11, 2025
Time:	10:30AM
Zoom Meeting ID:	931 6643 0051 (no password)

Abstract: In this talk we will discuss a new phenomenon in geometric analysis called drawstrings, in which one can arbitrarily collapse a codimension 2 submanifold without decreasing the scalar curvature too much. In particular, we will address an application to a conjecture of Agol-Storm-Thurston on volume entropy. This is based on joint work with Demetre Kazaras and Antoine Song.