Joint Geometric Analysis Seminar

(Part of MIST program)

Optimal volume bound and volume growth for manifolds with nonnegative Ricci curvature and positive bi-Ricci curvature

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Abstract

In this talk, we will first review Gromov's volume bound conjecture and its variant, the volume growth conjecture, for manifolds with nonnegative Ricci curvature and positive scalar curvature. As natural generalisations we show how to prove analogies of these conjecture for with nonnegative Ricci curvature and positive bi-Ricci curvature when the dimension is less than eight. This is a joint work with Prof. Jie Zhou from Capital Normal University.

Date:	18 July 2024 (Thursday)
Time:	10:30 am-11:30 am
Venue:	Room 501a, AB1

All are Welcome