



DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Colloquium

FOUR-DIMENSIONAL GRADIENT RICCI SOLITONS WITH
(HALF) NONNEGATIVE ISOTROPIC CURVATURE

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ABSTRACT:

In this talk, we will discuss the geometry and classification of 4-dimensional complete gradient shrinking Ricci solitons with half positive isotropic curvature (half PIC) or half nonnegative isotropic curvature (half WPIC), as well as of 4-dimensional complete gradient steady Ricci solitons with half WPIC or WPIC. This talk is based on the joint work with Huai-Dong Cao.

4 – 5pm

Wednesday, March 20, 2024

Room 204, Smith Hall