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Seminar

Synthetic Curvature-Dimension condition on Riemannian manifolds

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Technion-Israel Institute of Technology

Abstract

In this work we investigate Lott-Sturm-Villani's synthetic lower Ricci curvature bound on Riemannian manifolds (with boundary) equipped with an arbitrary measure. We prove several measure rigidity results related to optimal transport on Riemannian manifolds, which completely characterize CD condition and non-collapsed CD (K, N) condition on Riemannian manifolds with boundary.

Date: 7 November 2019 (Thursday)

Time: 4:00pm – 5:00pm

Venue: Room 222, Lady Shaw Building,
The Chinese University of Hong Kong, Shatin

All are Welcome