THE UNIVERSITY



OF HONG KONG

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COLLOQUIUM

Comparison results for Ricci curvature

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Date:November 23, 2012 (Friday)Time:3:30 - 4:30pmVenue:Room 210, Run Run Shaw Bldg., HKU

Abstract

Ricci curvature occurs in the Einstein equation, Ricci flow, optimal transport, and is important both in mathematics and physics. Comparison method is one of the key tools in studying the Ricci curvature. We will start with Bishop-Gromov volume comparison, and then discuss its generalizations to integral Ricci curvature, Ricci flow and Bakry-Emery Ricci curvature and their applications.

All are welcome