



Department of Mathematics
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Seminar

Fractional Poincare inequalities on manifolds with finite total Q-curvature

Prof. Yannick Sire
Johns Hopkins University

Abstract

We establish new fractional Poincare inequalities encoding geometry of conformally flat manifolds with finite total Q-curvature. The method of proof is based on some improvement of the standard Poincare inequality and harmonic analysis techniques. We will give a description of the underlying geometry and in particular the role of the Q-curvature.

Date: 6 June 2017 (Tuesday)
Time: 2:00 p.m. – 3:00 p.m.
Venue: Room 222, Lady Shaw Building, The Chinese University of Hong Kong

All are Welcome