Joint Geometric Analysis Seminar

(Part of MIST program)

Free boundary problems on RCD(K,N) spaces

Prof. Hui-Chun Zhang
Sun-Yat Sen University

Abstract

RCD(K,N) spaces is a class of metric measure spaces with a generalized Ricci curvature form bounded by K and dimension bounded from above by N. In this talk, we will introduce some regularity results of solutions to the one-phase free boundary problems, including the local Lipschitz regularity of the solutions and the partial regularity of their free boundaries. This talk is based on the joint work with Chung-Kwong Chan and Xi-Ping Zhu.

Date: February 24, 2023 (Friday)

Time: 3:00pm-4:00pm (Hong Kong time)

ZOOM link: https://cuhk.zoom.us/j/91805734715

All are Welcome