

Department of Mathematics
City University of Hong Kong

Colloquium

Organised by Prof. Tong YANG and Dr Xianpeng HU

Derivative estimates for solutions of divergence form equations with discontinuous coefficients

by

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Abstract :

In this talk we give derivative estimates for solutions of divergence form elliptic equations with piecewise smooth coefficients. The equations arise from the study of composite material. The novelty of these estimates is that, even though they depend on the shape and on the size of the surfaces of discontinuity of the coefficients, they are independent of the distance between these surfaces.

Date: 15 December 2017 (Friday)
Time: 10:30 – 11:30am
Venue: B6605, Blue Zone, 6th Floor, Yeung Kin Man Academic Building (AC1)
City University of Hong Kong

**** All interested are welcome ****

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