



The Hong Kong University of Science and Technology

Department of Mathematics

Seminar on PDE

On weighted L_p -estimates for elliptic and parabolic equations

By

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Abstract

We prove a generalized Fefferman–Stein theorem on sharp functions with A_p weights in spaces of homogeneous type with either finite or infinite underlying measure. We then apply this result to establish mixed-norm weighted L_p -estimates for elliptic and parabolic equations with partially BMO coefficients in regular or irregular domains. This is based on joint work with Doyoon Kim.

Date : Friday, 4 August 2017

Time: 11:00 a.m. – 12:00 p.m.

***Venue: Room 3472, Academic Building
(near Lifts 25&26), HKUST***

All are welcome!