~ Amendment ~ *For favour of posting*

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Joint Short Course

Department of Mathematics & Institute of Mathematical Sciences, CUHK

Harnack inequality for elliptic PDEs

Professor Alexander Grigor'yan
Department of Mathematics, Bielefeld University

Abstract: We present a method of obtaining the Harnack inequality for elliptic 2nd order partial differential equations in R^n, both in divergence and non-divergence form. For the case of divergence form this will provide the proof of the theorem of De Giorgi-Moser, for the case of non-divergence form - of the theorem of Krylov-Safonov. The method will be presented in a unified way, so that the distinction between the proofs for the divergence and non-divergence cases are minimal. The main difference between the two cases lies in obtaining a so called lemma of growth.

Date:	3 March 2016 (Thursday) 10 March 2016 (Thursday) 17 March 2016 (Thursday) 24 March 2016 (Thursday)
Time:	10:30 a.m. – 12:30 p.m.
Venue:	Room 222, Lady Shaw Building The Chinese University of Hong Kong, Shatin

All are Welcome!