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Sparse Domination and the A_2 Theorem

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<u>Abstract</u>

Domination by sparse operators is a simple but powerful technique for proving weighted singular integral estimates that was recently developed by A. Lerner (2012, 2016) and M. Lacey (2015) and further extended by many other people. Lerner and Lacey have given short proofs of the A_2 theorem (first proven in full by T. Hytönen in 2010) using sparse operators. The A_2 theorem asserts the validity of certain natural weighted L^2 inequalities for Calderòn-Zygmund operators. The talk will be a brief introduction to these topics. No previous knowledge is assumed.

Date :	July 29, 2016 (Friday)
Time :	3:00p.m. – 4:00p.m.
Venue :	Room 219, Lady Shaw Building,
	The Chinese University of Hong Kong

