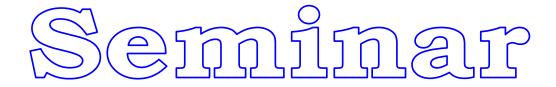


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## Approximation schemes for the optimal Poincaré inequality

## Professor Ryan Hynd

Department of Mathematics, University of Pennsylvania

Abstract: We present discrete and continuous time flows that can be used to approximate optimal constants and functions for which equality holds in Poincaré's inequality. If time permits, we show how these methods extend to other familiar Sobolev inequalities.

Date: 7 March 2016 (Monday) Time: 1:30 p.m. –2:30 p.m.

Venue: Room 222, Lady Shaw Building

The Chinese University of Hong Kong, Shatin

All are Welcome!