Analysis Seminar

Title: On existence of maps with distortion strictly less than 2

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Date: Tue 11th November 2014 at 3:00PM

Location:

Abstract: We will see an example of a metric space M with the following property: If M embeds into a Banach space bi-Lipschitz with distortion strictly less than 2 then X linearly contains ell_1. A refinement of the construction of M allows for a proof of the following theorem: $C([0, omega^alpha])$ does not embed bi-Lipschitz with distortion strictly less than 2 into $C([0, omega^{eta]})$ if $eta < alpha$. Joint work with Luis Sanchez-Gonzalez.