



Analysis Seminar

Title: Lipschitz-free spaces and descriptive set theory

Speaker: Richard Smith

Date: Tue 30th September 2025 at 3:00PM

Location: E0.32 (beside Pi restaurant)

Abstract: Motivated by recent work of E. Basset, G. Lancien and A. Procházka, we use the reduction argument of Bossard to prove two results: if a separable Banach space is isomorphically universal for the class of Lipschitz-free spaces over the countable complete discrete metric spaces then it is isomorphically universal for the class of separable Banach spaces, and if a complete separable metric space is Lipschitz universal for the same class of metric spaces then it is Lipschitz universal for all separable metric spaces.

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