Analysis Seminar

Title: Recent advances in the theory of Banach lattices

Speaker: Antonio Aviles Lopez (Universidad de Murcia)

Date: Tue 15th April 2025 at 2:00PM

Location: E0.32 (beside Pi restaurant)

Abstract: Banach lattices are mathematical objects that have compatible Banach space and a lattice structures. They can be viewed as a category in two different ways, depending on whether you focus on positive operators ($x \leq y \Rightarrow Tx \leq Ty$) or lattice preserving operators ($T(x \vee y) = Tx \vee Ty$). We will review some developments of recent years concerning the latter approach, inspired by the work of de Pagter and Wickstead on free Banach lattices.

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