

Summer School 2026

Topics in Banach Space Theory

Semiprojective Banach lattices

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| Day and time | Monday: 16:40–17:00 |

Abstract

During my talk, I would like to introduce the notion of semiprojectivity in the category of Banach lattices. This concept was inspired by an analogous, widely studied notion from the theory of C^* -algebras, with appropriate modifications added to account for the distinct nature of projectivity in Banach lattices. In particular, I would like to discuss an example of a semiprojective Banach lattice that is not 1^+ -projective, and consider negative examples of classical Banach lattices that are not semiprojective. This is joint work with Tomasz Kania.