



DEPARTAMENTO
DE ANÁLISIS
MATEMÁTICO Y
MATEMÁTICA
APLICADA



COLLOQUIUM DE ANÁLISIS MATEMÁTICO

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On light groups of isomorphisms on Banach spaces

Megrelishvili (1999) defines light groups of isomorphisms on a Banach space as the groups on which the Weak and Strong Operator Topologies coincide, and proves that every bounded group of isomorphisms of a Banach space with the Point of Continuity Property (PCP) is light. We investigate this concept for isomorphism groups G of classical Banach spaces X without the PCP, specially isometry groups, and relate it to the existence of G -invariant LUR or strictly convex renormings of X . Joint work with L. Antunes, S. Grivaux, and C. Rosendal.

Organizado por el Departamento de Análisis Matemático y Matemática Aplicada y el Instituto de Matemática Interdisciplinar (IMI)

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