



DEPARTAMENTO DE
ANÁLISIS MATEMÁTICO Y
MATEMÁTICA APLICADA



SEMINARIO DE ANÁLISIS MATEMÁTICO Y MATEMÁTICA APLICADA

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Actions of groups on exact sequences: interpolation scales and commutator estimates

We shall discuss bounded actions of groups on exact sequences of Banach spaces and on their corresponding twisted sums, paying special attention to the case of an exact sequence generated by an interpolation scale and to the associated commutator estimates.

As an application, after recalling the properties of the Kalton-Peck spaces Z_p induced by the scale of Lebesgue spaces, we shall present a non-trivial action of the isometry group of L_p on Z_p (with the necessary adaptation in the case $p=2$).

Joint work with J. M. F. Castillo.

Organized by: Departamento de Análisis Matemático y Matemática Aplicada and Instituto de Matemática Interdisciplinar (IMI)

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