



DEPARTAMENTO DE
ANÁLISIS MATEMÁTICO Y
MATEMÁTICA APLICADA



SEMINARIO DE ANÁLISIS MATEMÁTICO Y MATEMÁTICA APLICADA

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Daugavet property and diameter two properties in Orlicz-Lorentz spaces

In theory of Banach spaces, there have been fruitful results concerning specific behaviors of certain operators on Banach spaces in connection to the geometrical structures of the unit ball. Among various properties investigated in this manner, we focus on the properties that exhibit big slice phenomena (i.e. diameter of every slice of the unit ball being 2) on the unit ball of a targeted Banach space called the Daugavet property and the diameter two properties. We examine these properties on the class of Orlicz-Lorentz spaces, which is a natural generalization of both Orlicz and Lorentz spaces. The talk will be based on the joint works with Anna Kamińska and Han Ju Lee.

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