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Tomas Dominguez Benavides* (tomasd@us.es), Facultad de Matematicas, Tarfia s/n, Sevilla, Spain, and **Pepa Lorenzo** (ploren@us.es). *Measures of noncompactness and fixed point for set-valued nonexpansive mappings in modular spaces.*

In this talk we will show the existence of a fixed point for a class of set-valued nonexpansive mappings defined in a modular space. The notion of uniform ρ -noncompact convexity with respect to a measure of noncompactness, as defined in [1], and the reflexivity of the Banach space associated to the corresponding Luxemburg norm of the modular space, are basic tools for our results.

[1] M. A. Khamsi, W. M. Kozłowski, Fixed Point Theory in Modular Function Spaces, Birkäuser: Basel, Switzerland, 2015 (Received July 28, 2020)