

MÖNCH SETS AND FIXED POINT THEOREMS FOR MULTIMAPS IN LOCALLY CONVEX TOPOLOGICAL VECTOR SPACES

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Abstract. We present a variety of fixed point theorems for multimaps having weakly closed graph. We state in turn Sadovskii, Mönch and Daher type theorems which improve recent results in the literature. With this in mind, we introduce the definition of Mönch-set.

Key Words and Phrases: Mönch-set, condensing multimap, fixed point theorem, measure of noncompactness, weakly closed graph.

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