

FIXED POINT THEOREMS FOR CONDENSING MULTIVALUED MAPPINGS UNDER WEAK TOPOLOGY FEATURES

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Abstract. We present new fixed point theorems for weakly condensing multivalued maps with weakly sequentially closed graph. Our fixed point results are obtained under Sadovskii's, Leray-Schauder's and Furi-Pera's type conditions.

Key Words and Phrases: Sadovskii's fixed point theorem, Krasnosel'skii's fixed point theorem, Leray-Schauder's fixed point theorem, measure of weak noncompactness, weakly condensing, multivalued maps.

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