

MEASURES OF WEAK NONCOMPACTNESS AND FIXED POINT THEORY IN BANACH ALGEBRAS SATISFYING CONDITION (\mathcal{P})

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Abstract. The aim of this paper is to prove some new fixed point theorems in a nonempty closed convex subset of a Banach algebra satisfying a sequential condition (\mathcal{P}) in a weak topology setting.

Key Words and Phrases: Measure of weak noncompactness, quasi-regular, weakly condensing, weakly sequentially continuous, relatively weakly compact, fixed point theorems.

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