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FIXED POINTS THEOREM FOR WEAK COMPATIBLE MULTI-VALUED MAPPINGS IN G_p -METRIC SPACES

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ABSTRACT

Recently, Nadler [1], introduced the notion of multi-valued contraction mapping and proved well known Banach contraction principle. Aydi et al., [2] proved the Banach type fixed point results for set valued mapping in complete metric spaces (see [3, 4] and references therein). Zand and Nezhad [5], introduced a new generalized metric spaces G_p which as a both generalization of the partial metric space and G metric spaces. We present an extension of the notion of f -weak compatibility of Pathak [6] on metric space in generalization of partial metric space.

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