

FIXED POINT THEOREMS FOR MAPPINGS WITH A CONTRACTIVE ITERATE AT A POINT IN MODULAR METRIC SPACES

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Abstract. In this manuscript, we introduce two new types of contraction, namely, w -contraction and strong Sehgal w -contraction, in the framework of modular metric spaces. We indicate that under certain assumptions, such mappings possess a unique fixed point. For the sake of completeness, we consider examples and an application to matrix equations.

Key Words and Phrases: Modular metric space, fixed point, contractive iterate at a point.

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