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Weakly compatible maps in fuzzy metric spaces

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ABSTRACT. In this paper, we provide an affirmative answer in the setting of fuzzy metric space to a question, "an existence of a contractive definition which generates a fixed point but does not force the mappings to be continuous at the fixed point". Moreover, we generalize the results of [11] by replacing compatibility of type (a) with weak compatibility (or weakly compatible maps), i.e., common fixed-point theorems for six mapping which are not necessary continuous.

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