

**COMPATIBLE MAPPINGS AND ITS VARIANTS
IN FUZZY METRIC SPACES**

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ABSTRACT. In this study, we first describe the generalized ψ -weak contraction condition, which involves cubic and quadratic terms of $\mathcal{M}(x, y, t)$, and then show common fixed-point theorems for compatible mappings in fuzzy metric space, as well as continuity of one of the mappings.

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