On $\mathcal{F}$-Contractions for Weak α-Admissible Mappings in Metric-Like Spaces

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Abstract: In the paper, we consider some fixed point results of $\mathcal{F}$-contractions for triangular α-admissible and triangular weak α-admissible mappings in metric-like spaces. The results on $\mathcal{F}$-contraction type mappings in the context of metric-like spaces are generalized, improved, unified, and enriched. We prove the main result but using only the property $(\mathcal{F}1)$ of the strictly increasing mapping $\mathcal{F} : (0, +\infty) \to (-\infty, +\infty)$. Our approach gives a proper generalization of several results given in current literature.