Title: Multivalued $F$-contractive mappings with a graph and some fixed point results

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The main goal of this paper is to introduce a new type contraction, that is, multivalued $F$-$G$-contraction, on a metric space with a graph. In terms of this new contraction, we establish some fixed point results. At the end, we give an illustrative example, which shows the importance of graph on the contractive condition.

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