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

Author(s): Özlem Acar and Ishak Altun

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.

Address:

Ozlem Acar
Department of Mathematics
Faculty of Science and Arts
Kirikkale University
71450 Yahsihan, Kirikkale
Turkey

Address:

Ishak Altun
Department of Mathematics
Faculty of Science and Arts
Kirikkale University
71450 Yahsihan, Kirikkale
Turkey