FIXED POINT THEOREMS FOR SPACES WITH A TRANSITIVE RELATION

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Abstract. We present general fixed point theorems for spaces that are equipped with a transitive relation. We apply them to prove corresponding theorems for ultrametric spaces, topological spaces, complete lattices, and ordered abelian groups and fields.

Key Words and Phrases: Fixed point theorem, fixed points on graphs, ultrametric spaces, topological spaces, complete lattices, ordered abelian groups and fields.

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REFERENCES


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