

Neutrosophic Relations

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Abstract

In this paper we will introduce and study neutrosophic relations, which can be discussed as generalization of fuzzy relations and intuitionistic fuzzy relations. We will begin with a definition of neutrosophic relation and then define the various operations and will study the main properties. In addition, we will discuss reflexive, symmetric and transitive neutrosophic relations. Possible applications to database systems are touched upon.

Keywords: Neutrosophic Set; Neutrosophic Relations; Intuitionistic Fuzzy Relations; Fuzzy Relations.
