

TITLE OF THE ARTICLE

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ABSTRACT. Enter the abstract in one paragraph and a maximum of 250 words.

1. Introduction

Enter the introduction here. For example, look at the introduction below. It also shows how to reference articles.

The concept of algebraic hyperstructures, which is a generalization of that of algebraic structure, started with Marty's paper [17] and then it was developed by many researchers. They used it in different contexts: algebraic functions, rational fractions, noncommutative groups. At the beginning, general aspects of the theory, connections with group theory and different applications in geometry have been studied. In the last decades, many connections between hyperstructures and other branches of mathematics were considered, leading to applications in geometry, hypergraphs, binary relation, combinatorics, artificial intelligence, automata, rough and fuzzy sets. The book [3] is surveys of the theory of algebraic hyperstructures and their applications. After the introduction of the concept of fuzzy set, various connections between fuzzy sets and algebraic structures have been established and studied. In 1971, Rosenfeld defined the fuzzy subgroup of a group, which led to a new area in the abstract algebra and its applications. Ameri and Zahedi in Iran [1] have extended this connection for constructing a new hyperstructure associated with a group G , which under suitable conditions is a hypergroup and moreover a join space. Another topic on the relations between hyperstructures and fuzzy sets, was introduced by P. Corsini in Italy; he associated a join space with a fuzzy set [4] and a fuzzy set with a hypergroupoid. Relations between Fuzzy Sets, Rough Sets and Hyperstructures, had been already considered, see [4], [5], [6], [7], [8], [9], [10],

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[12], [15], [16], [22]. Now, in this paper some new hyperoperations are introduced in a different context and analyzed.

2. Preliminaries

Preliminaries can be stated as a section

3. Main results

Provide the main text of the paper, including relevant theorems and results. Also, make sure that all references are used.

References are arranged alphabetically (first author).

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