

CONGRUENCES ON FUZZY HYPERALGEBRAS

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ABSTRACT. In this study, we begin by presenting the notions of compatibility and strong compatibility, along with congruence relations within a fuzzy hyperalgebra, and explore their characteristics. Subsequently, by defining the quotient of a fuzzy hyperalgebra as induced by a congruence relation, we establish several homomorphism and isomorphism theorems pertinent to fuzzy hyperalgebras.

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