عنوان مقاله:

HYPERIDEALS IN M-POLYSYMMETRICAL HYPERRINGS

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خلاصه مقاله:

An M-polysymmetrical hyperring $(R,+,cdot)$ is an algebraic system, where $(R,+)$ is an M-polysymmetrical hypergroup, $(R,cdot)$ is a semigroup and $cdot$ is bilaterally distributive over $+$. In this paper, we introduce the concept of hyperideals of an M-polysymmetrical hyperring and by using this concept, we construct an ordinary quotient ring. Finally, the fundamental theorem of homomorphism is derived in the context of M-polysymmetrical hyperrings.

کلمات کلیدی:

M-polysymmetrical hyperring, Hyperideal, Reduced ring

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