Journal of Algebra and Applied Mathematics

Vol. 21 (2023), No.2, pp.133-147

ISSN: 2319-7234

© SAS International Publications

URL: www.sasip.net

On hyper product of hyper GR-algebras

R.A. Indangan

Abstract. In this paper, we introduced the concept of hyper GR-algebras and consider some important results of hyper GR-ideals that are needed in establishing some isomorphism results, special type of hyper GR-ideal, faithful hyper GR-algebras, and other related properties of hyper GR-algebras. This time, we introduced the concept of hyper product of hyper GR-algebras and investigate some of their properties.

AMS Subject Classification (2020): 08A30, 14L17, 20N20

Keywords: Algebraic hyperstructure, hyper BCI-algebras, hyper BCK-algebras, hyper GR-algebras, faithful hyper GR-algebras, hyper GR-ideals, hyper product of hyper GR-algebras