عنوان مقاله:

Semi-topological UP-algebras

نویسندگان:

A. B. Khalaf - Department of Mathematics, College of Science, University of Duhok, Kurdistan Region, Iraq.

M. A. Yousef - Department of Mathematics, College of Basic Education, University of Duhok, Kurdistan Region, Iraq

خلاصه مقاله:

The aim of this paper is to study the concept of semi-topological UP-algebras which is a UP-algebra supplied with a certain type of topology that makes the binary operation defined on it semi-topologically continuous. This concept is a generalization of the concept of topological UP-algebra. We obtain several properties of semi-topological UP-algebras . Furthermore, we introduce and study the concepts of semi(resp., s, irresolute)-topological UP-homomorphisms and some topological structures on certain types of UP-algebras.

كلمات كليدى:

UP-algebra, topological UP-algebra, semi (resp, S, irresolute)-topological UP-homomorphism