



**FUZZY PAIRWISE L -OPEN SETS AND FUZZY PAIRWISE
 L -CONTINUOUS FUNCTIONS**


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Abstract

The aim of this paper is to introduce and study some new fuzzy pairwise notion in fuzzy bitopological ideals spaces. We also generalize the notion of fuzzy L -open sets due to Abd El-Monsef et al. [M. E. Abd El-Monsef, A. A. Nasef and A. A. Salama, Fuzzy L -open sets and fuzzy L -continuous functions, An. Univ. Timișoara Ser. Mat.-Inform. 40(2) (2002), 3-13]. In addition to generalize the concept of fuzzy L -closed sets, fuzzy L -continuity and L -open functions due to Abd El-Monsef et al. [M. E. Abd El-Monsef, A. A. Nasef and A. A. Salama, Fuzzy L -open sets and fuzzy L -continuous functions, An. Univ. Timișoara Ser. Mat.-Inform. 40(2) (2002), 3-13]. Relationships between the above new fuzzy pairwise notions and their other relevant classes are investigated. Recently, we define and study two different types of fuzzy pairwise functions.

Keywords and phrases: fuzzy ideals, fuzzy bitopological spaces, fuzzy L -open sets.

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