Abstract

In this paper, we introduce the concepts of L-fuzzy generalized neighborhood system (f-gns for short) and L-fuzzy generalized topology (fgt, for short) (where L is a fuzzy lattice) which are generalizations of generalized topology and neighborhood systems defined by Csaszar[5]. We also introduce and investigate with the help of these new concepts the concepts of L-(1; 2) continuity and L-fuzzy generalized continuity on f-gns. The relations between these concepts are investigated and several examples are presented.

References

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**Index Terms**

- Computer Science
- Fuzzy Systems

**Keywords**

- Fuzzy lattice
- L-fuzzy generalized topology
- L-fuzzy generalized neighborhood systems
- L-fuzzy generalized continuity