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.
On L-fuzzy Generalized Topology

- B. Ganter, P. Wille, formal concept analysis, springer, Berlin, Germany, 1999.
- M. W. Warner, fuzzy topology with respect to continuous lattices, fuzzy set and systems, 35(1990), 85-91.

Index Terms

Computer Science  Fuzzy Systems

Keywords

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