On Maximal Soft $\delta$-open (Minimal soft $\delta$-closed) Sets in Soft Topological Spaces

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Abstract

In soft topological space there are some existing related concepts such as soft open, soft closed, soft subspace, soft separation axioms, soft connectedness, soft locally connectedness. In this paper, a new class of soft sets called maximal soft $\delta$-open sets and minimal soft $\delta$-closed sets which are fundamental results for further research are defined on soft topological space and continued in investigating the properties of these new notions of open sets with example and counter examples.

References


Index Terms
Computer Science Applied Mathematics

Keywords

Soft regular open sets, soft regular closed sets, soft δ-cluster point, soft δ-open sets, soft δ-closed sets, soft maximal open sets, soft minimal closed sets, soft maximal δ-open sets, soft minimal δ-closed sets etc.