Abstract

In this paper, we introduce the notion of $p$-separated soft sets based on the soft space $(X, \eta_{12}, E)$ which generate by soft bitopological space $(X, \eta_1, \eta_2, E)$ and study some of its properties. Based on this notion we introduce the notions of $p$-soft connected(disconnected) spaces and study some of their characterizations and properties. Also, we study the connected of $p$-soft sets by using the soft space $(X, \eta_{12})$.  

Authors:

Ali Kandil, Osama El-Tantawy, Sobhy El-Sheikh, Shawqi Ahmed Hazza
Some examples have given to support these concepts.

References

2666–2672.


Index Terms

Computer Science  Applied Mathematics

Keywords

Soft set; Soft topology; Soft bitopological spaces;