Abstract

Nakaoka and Oda ([1] and [2]) initiated the notion of maximal open (resp. minimal closed) sets in topological spaces. Thereafter, in 2005, Cao, Ganster, Reilly and Steiner [4] introduced $\delta\theta$-open (resp. $\delta\theta$-closed) sets in general topology. In the present work, the author introduces new classes of open and closed sets called maximal $\delta\theta$-open sets, minimal $\delta\theta$-open sets, maximal $\delta\theta$-closed sets, minimal $\delta\theta$-closed sets, $\delta\theta$-semi maximal open and $\delta\theta$-semi minimal closed and investigate some of their fundamental properties.

References

New Notion of δθ-open Sets in Topological Spaces


Index Terms

Computer Science  Applied Mathematics

Keywords

δ-open, θ-open, maximal (resp. minimal) δθ-open, maximal (resp. minimal) δθ-closed, δθ-semi maximal open and δθ-semi minimal closed sets.