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 δθ-open (resp. δθ-closed) sets in general topology. In the present work, the author introduces new classes of open and closed sets called maximal δθ-open sets, minimal δθ-open sets, maximal δθ-closed sets, minimal δθ-closed sets, δθ-semi maximal open and δθ-semi minimal closed and investigate some of their fundamental properties.

References


Index Terms

Computer Science

Applied Mathematics

Keywords

\(\delta\)-open, \(\theta\)-open, maximal (resp. minimal) \(\delta\theta\)-open, maximal (resp. minimal) \(\delta\theta\)-closed, \(\delta\theta\)-semi maximal open and \(\delta\theta\)-semi minimal closed sets.