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


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.