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.
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.