ABSTRACT

In this research, we introduce a new class of b-open sets called Bc-open, this class of sets lies strictly between the classes of θ-semi open and b-open sets. We also study its fundamental properties and compare it with some other types of sets as regular open, semi-open, preopen, α- open, θ -semi-open, δ-open, θ -open, b-open, and we investigate further topological properties of sets.