Abstract

The aim of this paper is to introduce various functions associated with semi*-open sets. Here semi*-continuous, semi*-irresolute, contra-semi*-continuous and contra-semi*-irresolute functions are defined. Characterizations for these functions are given. Further their fundamental properties are investigated. Many other functions associated with semi*-open sets and their contra versions are introduced and their properties are studied. In addition strongly semi*-irresolute functions, contra-strongly semi*-irresolute functions, semi*-totally continuous, totally semi*-continuous functions and semi*-homeomorphisms are introduced and their properties are investigated.

References

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**Index Terms**

Computer Science  Applied Sciences

**Keywords**

semi\(\alpha\)-continuous  semi\(\alpha\)-irresolute  semi\(\alpha\)-open  semi\(\alpha\)-closed
pre-semi\(\alpha\)-open function

pre-semi\(\alpha\)-closed function