Abstract

The aim of this paper is to introduce a new class of sets called \((i,j) - r^g\) closed sets and a new class of maps called \(D^g(i,j)\) continuous maps and \(D^g(i,j)\)- irresolute maps in bitopological spaces. Also we introduce some new spaces called \((i,j) - T^{1/2} , (i,j) - ^T 1/2 , ^T*1/2, ^T*1/2\) and \(^Trg\) and obtain their basic properties.
1983.
  Monthly, 70(1963), 36-41.
  89-96.
- H. Maki, J. Umehara and T. Noiri, Every topological space is pre-T1/2, Mem. Fac. Sci.
- M. Sheik John and P. Sundaram, g*-closed sets in bitopological Spaces, Indian Jour.
- M. Stone, Applications of the theory of Boolean rings to general topology, Trans. Amer.
- M. K. R. S. Veera Kumar, Between closed sets and g closed sets, Mem. Fac. Sci Kochi

Index Terms

Computer Science          Applied Mathematics

Keywords

(i,j) - r^g closed sets   (i,j) - r^g open sets   (i,j)-T^1/2   (i,j) - ^T1/2   (i,j) - *T^1/2

(i)
(j)- ^T*1/2

^Trg spaces

D^i

j)- continuity.