$D_{(\delta,\alpha)}$ - SETS AND ASSOCIATED SEPARATION AXIOMS

Shi-Qin Liu

Abstract

This paper introduces the new notion of δ - αD - sets in the topological space and obtains some weak separation axioms by using them.

Keywords and phrases: δ - αD - set, δ - α - open set, δ - α - symmetric.

Received July 31, 2012

References

- [1] S. Raychaudhurim and M. N. Mukherjee, On δ almost continuity and δ preopen sets, Bull. Inst. Math. Acad. Sin. 21 (1993), 357-366.
- [2] T. Noiri, Remarks on δ semiopen sets and δ preopen sets, Demonst. Math. 36 (2003), 1007-1020.
- [3] E. Hatir and T. Noiri, Decompositions of continuity and complete continuity, Acta Math. Hungar. 113(4) (2006), 281-287.
- [4] Shi-Qin Liu, On the δ - α open sets, Acta Math. Hungar. (submitted).