Fasc. Matematica, Tom XIX (2012), Issue No. 1, 83-92

ON SLIGHTLY γ -CONTINUOUS MULTIFUNCTIONS

 ${\rm N.~GOWRISANKAR^{1},~N.~RAJESH^{2}}$

ABSTRACT. In 2001, Monsef and Nasef [2], introduced and investigated the notion of γ -continuous multifunctions. In 2005, Ekici [11] introduced the notion of slighlty β -continuous multifunctions. In 2004, Ekici and Caldas [14] introduced and studied slighlty γ -continuous functions. The purpose of this paper is to introduce a new generalization of γ -continuous multifunction called slightly γ -continuous multifunctions and to present several of its characterizations.

Received 6 February 2011

¹ 249,SECOND FLOOR,S.G.PALAIYA, C.V.RAMAN NAGAR, BANGALORE 560093, INDIA, ² DEPARTMENT OF MATHEMATICS, RAJAH SERFOJI GOVT. COLLEGE, THANJAVUR-613005, TAMILNADU, INDIA. E-mail address: ² nrajesh_topology@yahoo.co.in

²⁰⁰⁰ Mathematics Subject Classification. 54C60.

Key words and phrases. Topological spaces, γ -open sets, γ -closed sets, slightly γ -continuous multifunctions.