

Yoshimura, M.; Miwa, T.; Noiri, T.

A generalization of regular closed and g -closed functions. (English) Zbl 0854.54020
Stud. Cercet. Mat. 47, No. 3-4, 353-358 (1995).

Summary: A new class of functions called gr -closed functions is introduced as a generalization of both regular closedness [*P. E. Long* and *L. L. Herrington*, *Rend. Circ. Mat. Palermo, II. Ser.* 27, 20-28 (1978; [Zbl 0416.54005](#))] and g -closedness [*S. R. Malghan*, *J. Karnatak Univ., Sci.* 27, 82-88 (1982; [Zbl 0578.54008](#))]. The main result of this paper is that normality, weak normality, and countably paracompact weakly normal spaces are preserved under gr -closed continuous surjections.

MSC:

[54C10](#) Special maps on topological spaces (open, closed, perfect, etc.)
[54D10](#) Lower separation axioms (T_0 - T_3 , etc.)

Cited in 1 Document

Keywords:

regular closed functions; g -closed functions; gr -closed functions; countably paracompact weakly normal spaces