

Greenwood, Sina; Reilly, Ivan L.

On feebly closed mappings. (English) Zbl 0604.54012

Indian J. Pure Appl. Math. 17, 1101-1105 (1986).

The concept of an open set gives rise to a variety of related concepts and the authors consider four of them: α -set, semi-open set, preopen set, feebly open set. Each has its "closed" counterpart and so one can consider mappings which are α -closed, semi-closed, preclosed, feebly closed (α -closed means that images of closed sets are α -closed etc.). It seems that the main result of the paper is that α -closed mappings coincide with the feebly closed ones and the authors proceed to investigate a little that class. The proofs are immediate and the examples simple.

Reviewer: [Roman Duda \(Wrocław\)](#)

MSC:

[54C10](#) Special maps on topological spaces (open, closed, perfect, etc.)

[54A05](#) Topological spaces and generalizations (closure spaces, etc.)

Cited in **2** Documents

Keywords:

α -set; semi-open set; preopen set; feebly open set