COMPLEMENT AND µ-COMPLEMENT OF A REGULAR FUZZY GRAPH

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ABSTRACT

In this paper, various fuzzy graphs with regular and totally regular are introduced. Some theorems of regular fuzzy graphs are discussed with their complements and μ -complements. A necessary and sufficient condition under which they are equivalent is provided.

KEYWORDS: Strong Fuzzy Graph, Complete Fuzzy Graph, Regular Fuzzy Graph, Totally Regular Fuzzy Graph, Complement of a Fuzzy Graph and μ-Complement of a Fuzzy Graph