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Abstract

As an abstraction of the geometrical notion of translation, the first author has already introduced two operators $T_{\alpha+}$ and $T_{\alpha-}$ called the intuitionistic fuzzy translation operators on the intuitionistic fuzzy sets and studied their properties and investigate the action of these operators on intuitionistic fuzzy subgroups of a group in [11]. The concept of intuitionistic M-fuzzy subgroup of a M-group and their properties are discussed by Zhan and Tan in [12]. Here in this paper we will study the action of these operators on intuitionistic M-fuzzy subgroup of a M-group.

Keywords: Intuitionistic fuzzy set (IFS), Intuitionistic fuzzy subgroup (IFSG), Intuitionistic M-fuzzy subgroup (IMFSG), Translates, M-homomorphism.

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