

Fuzzy Parameterized Complex Multi-Fuzzy Soft Set

Abstract

In this article we introduce the concept of fuzzy parameterized complex multi-fuzzy soft set (FPCMFS-set) in order to improve the concept of fuzzy parameterized fuzzy soft set to include the time frame which is presented by the phase term which will enable the representation of multi-dimensional data. Some concepts related to FPCMFS-set as well as the basic operations, such as complement operation, union and intersection operations are investigated.

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<https://iopscience.iop.org/article/10.1088/1742-6596/1212/1/012016/pdf>