

Lexicographical likelihood estimators with universal boundaries. 1

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Abstract

New classes of lexicographical likelihood estimators (likelihood estimators with memory) are considered when conjunction and disjunction operations satisfy to condition analog of universal boundaries in fuzzy logic. There are introduced conceptions of indistinguishability ratio by lines likelihood, reduction operation, likelihood estimator, ratio of estimator ordering by likelihood, operations of conjunction, disjunction and negation as well as studied their properties. The considered likelihood estimators are oriented to using in models of likelihood reasonings, decision adoption systems, expert systems for processing likelihood estimators measured in order scales.
