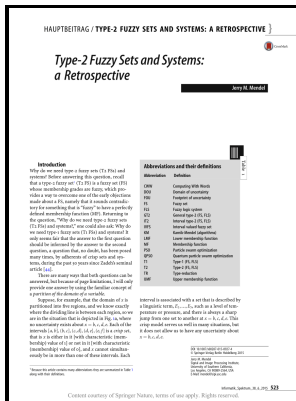# Multiperson decision making models using fuzzy sets and possibility theory

Kluwer Academic Publishers - Aggregation of fuzzy preference relations to multicriteria decision making, Fuzzy Optimization and Decision Making

Description: -

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Fuzzy sets.

Decision-making.Multiperson decision making models using fuzzy sets and possibility theory

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Theory and decision library -- v. 18.

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A Similarity Measure

Three aggregation operators of weighted linguistic information are presented: linguistic weighted disjunction LWD operator, linguistic weighted conjunction LWC operator,.

Multiperson Decision Making Models Using Fuzzy Sets and Possibility Theory

To design it, an aggregation operator of information, called ordered weighted geometr.

A fusion approach for managing multi

The basic model of a decision in classical normative decision theory has very little in common with real decision making: It portrays a decision as a clear-cut act of choice, performed by one individual decision maker and in which states of nature, possible actions, results and preferences are well and crisply defined. Extensions of this basic model can primarily be conceived in three directions: 1. Properties of the composition and new relation, giving a possibility to make a consistent choice or to rank the alternatives, are proved.

Multiperson decision

In the selection process, we first use five transformation functions to make the preference representation structures uniform, then standardize the transformed preference information and obtained the collective preference vector. Wu 2010 , The aggregation of preferences in groups: Identity, responsibility, and polarization, Journal of Economic Psychology, 31 6 :950-963. Luque 2004 , Some issues on consistency of fuzzy preference relations, European Journal of Operational Research, 154:98-109.

A direct consensus framework based on extended MCCM for multiperson decision making problem with different preference

representation structures

This framework has two processes: selection process and consensus process. Rather than a single decision maker there are several decision makers involved.

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These probabilities are generally assumed to be known numerically, i. . Aggregation of fuzzy preference relations to multicriteria decision making.

A fusion approach for managing multi

The aggregation procedure uses the composition between each two relations of the alternatives.

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