

Fuzzy Rough Sets for Fuzzy Decision Modelling

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Abstract

Applications of the fuzzy set theory in the field of decision making were first proposed by Bellman and Zadeh. They built a model by extending the decision data in linguistic form and did some processes of decision making dealing with the vagueness of fuzziness inherent from subjective or imprecise determinations. In this paper, we are trying to modify the previous model from the fuzzy data to the fuzzy rough data and are attempting to construct a new -fashioned model called Fuzzy Rough set Decision Model (FRDM).

Keywords: Fuzzy Sets, Fuzzy Rough Sets, Fuzzy Relational equation.