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ORGANIZATION: COMPARISON MAMDANI FUZZY LOGIC vs SUGENO

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Rezumat. Dezvoltarea economiei mondiale într-un ritm extrem de rapid urmată de criză economică a impus orientarea către analize, atât la nivel macroeconomic cât și microeconomic, ale indicatorilor economici aflați în interdependență în spațiul tridimensional prin vizualizarea de rapoarte unificate cât și și combinații ale datelor de intrare unele față de altele. Aceste analize utilizează în prezent noțiunea (conceptul) de fuzzy logic pentru a descrie cât mai apropiat de realitate fenomenele sau procesele care sunt extrem de instabile. Astfel multitudinea factorilor de intrare este influențată de feedback-ul organizațiilor.

Abstract. Developing world-wide economy in an extremely fast rate of economic crisis followed by analysis required orientation at both the macro and micro economic indicators are interdependent in three-dimensional space by viewing reports and unified and combinations of input data to each other. These analyzes currently use concept (concept) of fuzzy logic to describe how close to reality phenomena or processes that are highly unstable. So many factors input is influenced by feedback organizations.

Keywords: fuzzy logic, fuzzy rules, mamdani, sugeno, membership functions

1. Introduction

The current research on database analysis of an organization is aimed to identifying the components that are vaguely defined and uncertain or unstable.

This product's life cycle and represented the material and technological flow, product use, distribution, recycling mode (end of life) were analyzed [1, 2] and this complex process modeling and coding was done with a soft powerful.

Integrated planning and scheduling systems encountered in industry are modeled using fuzzy sets theory (FST), which increased the interest of corporations to use these methods with powerful software to make decisions on performance evaluation of various departments and allocate/reallocate resources [3].

Type multi-criteria decisions are currently the most valuable because it covers an extensive range of input data analysis because of the flexibility is very important in various applications whatever their nature [4]. Multiple criteria decision making (MCDM) approached so far [5] techniques, including multi-objective decision making (MODM), are shown in their implementation in organizations.

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