

On some intuitionistic-fuzzy models

Grigore ALBEANU

Spiru Haret University, Department of Mathematics and Computer Science

Abstract. *Intuitionistic-fuzzy sets and numbers are considered to show their applicability to optimize the component-based system reliability, in multi-criteria decision-making algorithms, and the assessment of learning level using intuitionistic-fuzzy automata. The described results were published, by separate papers, previously, and only the power of intuitionistic-fuzzy modelling is emphasized here.*

Keywords: *intuitionistic-fuzzy, reliability optimization, learning, automata*

ACM Classification: I2, J2

AMS Classification: 03B52, 03E72, 94D05