

OWA – type Possibilistic Aggregations in the Problem of the Country Political Management

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In this work a new generalization of the OWA operator (introduced by R.R. Yager) is presented. Our focus is directed on the construction of the aggregation OWA operator – AsFPOWA in the possibilistic uncertainty environment. For the illustration of the applicability of the new aggregation operator - AsFPOWA an example of the fuzzy decision making problem regarding political management is considered, where we study a country that is planning its fiscal policy for the next year. Several variants of the new aggregation operator are used for the comparing of decision making results.

Keywords: OWA operator, possibility uncertainty, expert evaluations, decision-making system, political management.