

Common Preference Model for Various Decision Models

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Summary. Recently many axiomatic results concerning modelling preferences and aggregation procedures have been developed of conjoint measurement and based on social choice theory. We propose a general tool which differs from the above mentioned approaches. The so called Bounded System is general and also helps to build new MCDM tools and the classical procedures (ELECTRE, PROMETHEE, TACTIC, MAUT, Lexicographic decision etc.) can be described as well with this. Logic (conjunction, disjunction, negation) and decision operators (mean, preference relation and unary operators) belong to the Bounded System. It seems to be a very powerful tool for the real world decision problems.