Abdelaziz, F. B.; Martel, J. M.; Mselmi, A.
IMGD: an interactive method for multiobjective group decision aid. (English) Zbl 1060.90656

Summary: Multiobjective methods for group decision situations that are proposed in the literature do not generally model power and influence. On the other hand, papers dealing with influence and power in Group Decision Support System (GDSS) are looking for the effects of GDSS on the distribution of power among the group members. This paper proposes an interactive method for group decision aid in multiobjective context integrating the concept of power and influence within the multiperson-multicriteria aspect. The method is designed to be used by a committee to solve a multiple criteria allocation problem. The method is tested on a resource allocation problem in the Municipality of Tunis.

MSC:
90B50 Management decision making, including multiple objectives
90C29 Multi-objective and goal programming

Keywords:
group decision aid; power and influence; multiobjective programming

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