A graphical user interface for interactive searching strategies in discrete vector optimization

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Interactive approaches are very powerful tools in vector optimization problems. The system *ENUQUAD* is devoted to discrete vector optimization, namely to those problems with a large number of alternatives and a limited number of criteria. Problems of this type often occur in multicriteria combinatorial problems. *ENUQUAD* determines the set of efficient solutions of the problem and provides the user with a set of searching options like

- Reference point approach,
- Aspiration levels,
- Neighborhood scanning,
- Filtering approaches.

The aim of this paper is to describe the graphical user interface of the system, which is a user oriented one, too. It provides the user with a set of options concerning the presentation of the relevant information about the efficient set.

The whole system can be interpreted as a tool-box, which can be used by a decisionmaker to build up his individual searching strategy using graphical representations according to his choice.