Automated Multi-Objective Solution Selection

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References Cited
U.S. PATENT DOCUMENTS

Abstract
A method, apparatus, and product for automated multi-objective solution selection. The method comprises obtaining a set of solutions to a multi-objective problem, wherein each solution is a non-dominated solution. The method further comprises computing outranking weights for each pair of solutions and selecting a subset of the set of solutions based upon a defensive criteria in accordance with respect to the outranking weights, wherein the defensive criteria relates to a number of solutions that outrank the subset. The method further comprises outputting the subset of the set of solutions.

19 Claims, 2 Drawing Sheets