

Incomplete Cost and Budget Information in Robust Portfolio Modeling

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Abstract: Robust Portfolio Modeling (RPM) supports project portfolio selection in view of scarce resources, multiple criteria and incomplete preference information. We extend this methodology to account for interval-valued information about budgets and projects' costs. Specifically, we analyze efficient portfolios and determine at what budget levels (i) individual project should be surely selected and (ii) stated cost-benefit requirements on the optimal portfolio can be met.

Keywords: Robust project portfolio selection, incomplete information.

Keywords for the abstract submission list: 16. Decision Support Systems, 7. Combinatorial Optimization, 73. Resource Allocation