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An Integrated Approach to Redundancy Allocation and Test Planning for Reliability Growth

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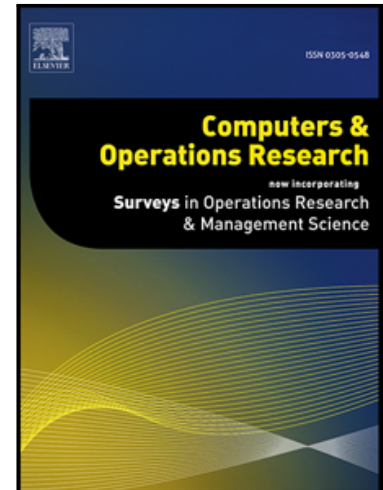
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Highlights

- The concepts of reliability growth testing and installing redundancies are merged to maximize system reliability.
- An exact solution approach is developed based on the branch-and-bound method.
- The branch-and-bound method provides tight optimality gaps.
- Computational results demonstrate that our model improves system reliability over iteratively solving test planning and redundancy allocation problems.

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