

Accepted Manuscript

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

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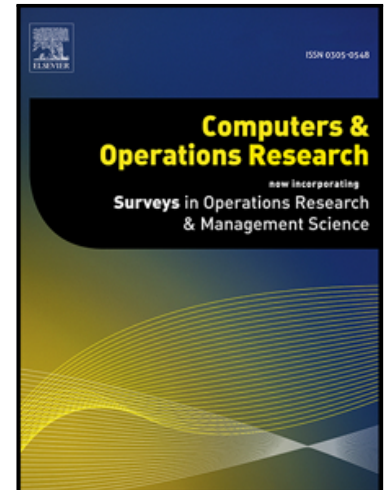
PII: S0305-0548(17)30313-1
DOI: [10.1016/j.cor.2017.12.013](https://doi.org/10.1016/j.cor.2017.12.013)
Reference: CAOR 4377

To appear in: *Computers and Operations Research*

Received date: 3 November 2016
Revised date: 29 November 2017
Accepted date: 14 December 2017

Please cite this article as: Mohammadhossein Heydari, Kelly M. Sullivan, An Integrated Approach to Redundancy Allocation and Test Planning for Reliability Growth, *Computers and Operations Research* (2017), doi: [10.1016/j.cor.2017.12.013](https://doi.org/10.1016/j.cor.2017.12.013)

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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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