

Accepted Manuscript

Empirically evaluating greedy-based test suite reduction methods at different levels of test suite complexity

Chu-Ti Lin, Kai-Wei Tang, Jiun-Shiang Wang, Gregory M. Kapfhammer

PII: S0167-6423(17)30107-7
DOI: <http://dx.doi.org/10.1016/j.scico.2017.05.004>
Reference: SCICO 2097

To appear in: *Science of Computer Programming*

Received date: 29 August 2016
Revised date: 10 May 2017
Accepted date: 14 May 2017

Please cite this article in press as: C.-T. Lin et al., Empirically evaluating greedy-based test suite reduction methods at different levels of test suite complexity, *Sci. Comput. Program.* (2017), <http://dx.doi.org/10.1016/j.scico.2017.05.004>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- We evaluate test reduction methods at various levels of test suite complexity.
- Few previous studies evaluated the test reduction methods in the way that we did.
- The cost-aware methods generally attain the lowest total regression testing costs.
- The cost-aware methods generally realize higher fault detection efficiency.
- The benefits of using cost-aware methods increase as test suite complexity grows.

Download English Version:

<https://daneshyari.com/en/article/4951735>

Download Persian Version:

<https://daneshyari.com/article/4951735>

[Daneshyari.com](https://daneshyari.com)