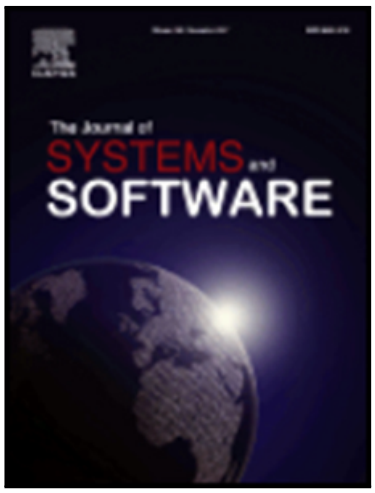

Cross Lifecycle Variability Analysis: Utilizing Requirements and Testing Artifacts

Michal Steinberger , Iris Reinhartz-Berger , Amir Tomer

PII: S0164-1212(18)30086-4
DOI: 10.1016/j.jss.2018.04.062
Reference: JSS 10151

To appear in: *The Journal of Systems & Software*

Received date: 15 March 2017
Revised date: 24 March 2018
Accepted date: 18 April 2018

Please cite this article as: Michal Steinberger , Iris Reinhartz-Berger , Amir Tomer , Cross Lifecycle Variability Analysis: Utilizing Requirements and Testing Artifacts, *The Journal of Systems & Software* (2018), doi: 10.1016/j.jss.2018.04.062

Highlights:

- Cross-lifecycle artifacts should be used for analyzing variability
- The approach analyzes variability based on behaviors rather than on implementations
- The behaviors are extracted from requirements and test cases
- Agreement on outputs was higher compared to requirements-based variability analysis