

Automated Synthesis of Comprehensive Distributed Consistency Model Litmus Test Suites*

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ABSTRACT

PVLDB Reference Format:

Xue Jiang, Hengfeng Wei*, Yu Huang, ..., and Automated Synthesis of Comprehensive Distributed Consistency Model Litmus Test Suites. PVLDB, 14(1): XXX-XXX, 2020. doi:XX.XX/XXX.XX

PVLDB Artifact Availability:

The source code, data, and/or other artifacts have been made available at URL_TO_YOUR_ARTIFACTS.

1 INTRODUCTION

Motivations:

- CC variants
- SI variants

Challenges:

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Our Contributions.

- Alloy* model of both non-transactional and transactional consistency models

- Two case studies

2 PRELIMINARIES

3 METHODOLOGY

4 CASE STUDIES

4.1 Causal Consistency Variants

4.2 Snapshot Isolation Variants

5 RELATED WORK

Model-based Testing.

6 CONCLUSION

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Proceedings of the VLDB Endowment, Vol. 14, No. 1 ISSN 2150-8097. doi:XX.XX/XXX.XX