

# paraVerifier: An Automatic Framework for Parameterized Verification

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- paraVerifier项目总体介绍
- murphi作为协议前端描述语言
- occaml实现invFinder/proofGen
- 具体应用: cache coherence protocols, hardware verification, loop-program invariant based verification

- Formal methods: modelchecking + theorem proving
- Research ability: finding problems + solving problem + publishing your results
- program ability:

- Compiling from Murphi to ocaml(invFinder) representation;
- German2004/Godson-T case study
- flow charts searching
- hardware verification

Auxiliary materials for submission —important!!!!

- experiments
- homepage introducing paraVerifier
- Tool manual