

Open Thesis / Project: C Program Bugs Analysis

Motivation & Summary

The C language remains popular for the implementation of systems of the critical domain, where the consequences of errors are extremely costly. For the reliability of these systems, verification and validation of C is very important.

The motivation of this work is to use Frama-C for program analysis and verification.

Thesis Type

- IT-Project / Project / Seminar
- BSc Thesis
- Master Thesis

Goals and Tasks

- Understanding of formal specification language ACSL
- Explore different Frama-C analyzers.
- Verification of different aspects of a C program using the Frama-C plugins.

Recommended Prior Knowledge

- C/C++ Programming
- Computer architectures



Software Analyzers

Contact & Information

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