

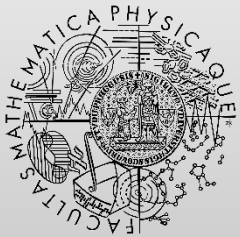
Homework 4: Finding Bugs in Real Software

<http://d3s.mff.cuni.cz>

Department of
Distributed and
Dependable
Systems



Pavel Parízek



FACULTY
OF MATHEMATICS
AND PHYSICS
Charles University

Task

- Use arbitrary verification tools on your own large and non-trivial program (select one)
 - Bachelor thesis (individual SW project)
 - Assignment (e.g., from OS, Java and C#)
 - Team software project (maybe too big)
- Find as many bugs in the program using available tools
 - Alternatively, show that program does not violate important functional correctness properties
- Write short experience report
 - Describe tools and verification methodologies that you tried to use
 - List of all bugs that you discovered (for each provide: explanation, counterexample, source code fragment, root cause, and so on)
 - Discuss main challenges and obstacles that you encountered (solved)

Organization

- Deadline: **30.6.2024**
- Submission
 - E-mail: **parizek@d3s.mff.cuni.cz**