

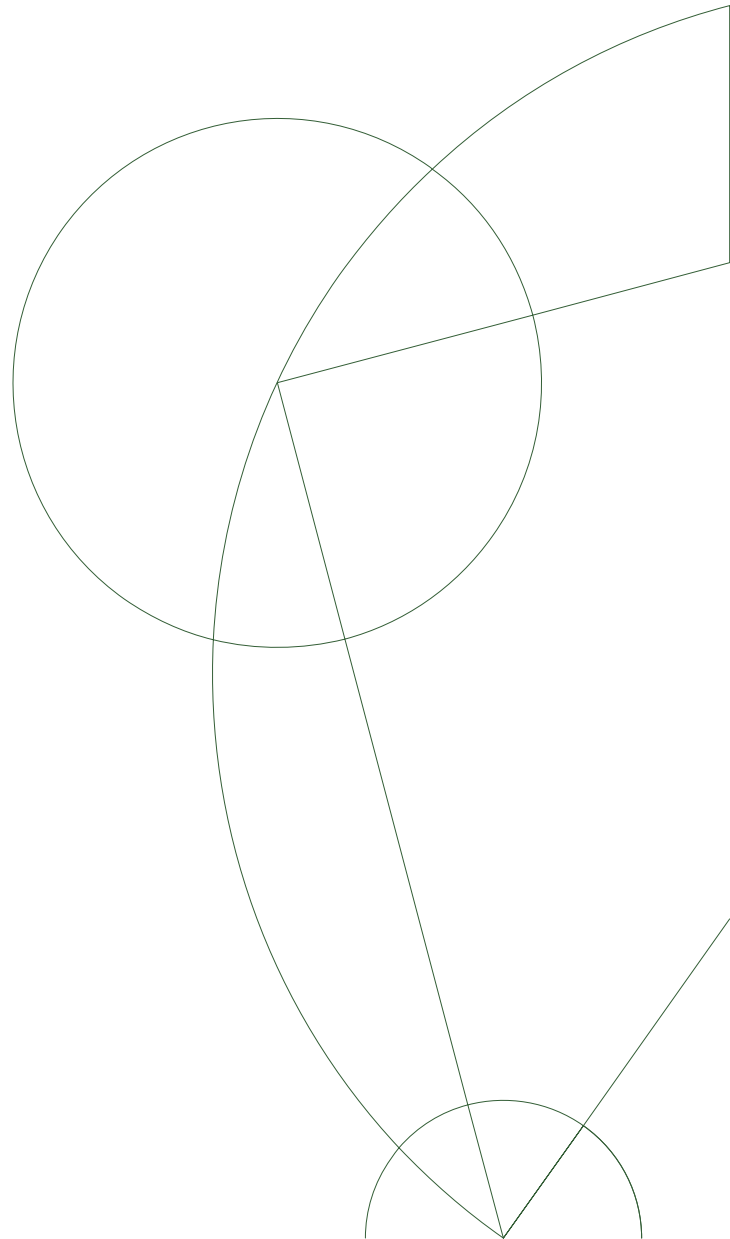


Bachelor thesis

Static Assertion Checking Optimization in a Janus-like programming language

Jonas Wolpers Reholt <jsf130@alumni.ku.dk>

Supervisor
Robert Glück <glueck@di.ku.dk>



Contents

1	Introduction	3
2	Abstract	3
3	Janus-like language definition	3
4	Theorem prover	3
5	Compiler structure	3
5.1	Lexer	3
5.2	Parser	3
5.3	Optimization	3
5.4	Translation to C++	3
6	Testing of compiler	3
7	Benchmark of compiled code	3
8	Packing compiler	3
8.1	Compiler package and usage	3
8.2	Web interface for compiler	3
9	Reflection over project	3
10	Conclusion	3

- 1 Introduction**
- 2 Abstract**
- 3 Janus-like language definition**
- 4 Theorem prover**
- 5 Compiler structure**
 - 5.1 Lexer**
 - 5.2 Parser**
 - 5.3 Optimization**
 - 5.4 Translation to C++**
- 6 Testing of compiler**
- 7 Benchmark of compiled code**
- 8 Packing compiler**
 - 8.1 Compiler package and usage**
 - 8.2 Web interface for compiler**
- 9 Reflection over project**
- 10 Conclusion**

Random citation [1] embedded in text.

References

- [1] J. Doe, *The Book without Title*. Dummy Publisher, 2100.