

Supervisor assessment of Bachelor's Thesis

Student: Chocholatý David

Title: Abstraction of State Languages in Automata Algorithms (id 25013)

Supervisor: Holík Lukáš, doc. Mgr., Ph.D., DITS FIT BUT

1. Assignment comments

A very ambitious assignment that needs understanding of many automata optimization techniques and algorithms, of SMT solving, and a great deal of creativity and hard work.

2. Literature usage

Independent and competent.

3. Assignment activity, consultation, communication

Consistently very active for already two years during which we have been working on this topic. The student works much harder and more passionately than usual, studies the related work independently, comes with ideas, does experiments and implementation, and learns to be a good partner in discussions.

4. Assignment finalisation

No objections.

5. Publications, awards

Some stages of the work were published and EXCEL 2021 an 2022. We work towards a publication at a quality international conference such as TACAS.

6. Total assessment

excellent (A)

The amount of work done is extraordinary, the results are very promising and the research on them will probably bring some nice publisheable results. The student displayed abilities of a promising young researcher.

I would propose to consider this work for some price.

In Brno 2 June 2022

Holík Lukáš, doc. Mgr., Ph.D.
supervisor