

## Supervisor assessment of Master's Thesis

**Student:** Šalgovič Marek, Bc.

**Title:** Model Driven Development of Spark Tasks by Means of Eclipse Acceleo (id 24614)

**Supervisor:** Rychlý Marek, RNDr., Ph.D., DIFS FIT BUT

### 1. Assignment comments

The goal of the thesis was to design a meta-model for modelling Big Data processing tasks in Apache Spark and to use Eclipse Acceleo framework to implement a corresponding tool for model-driven development. The assignment was difficult, both in design and implementation, as a simple modelling of complex data-processing tasks in Spark is not trivial and the student had to face several issues that have been successfully addressed. In my opinion, all objectives have been achieved.

### 2. Literature usage

The student independently searched and studied the relevant literature.

### 3. Assignment activity, consultation, communication

The student was active but independent. The progress has been sufficiently consulted with the supervisor. All agreed milestones have been achieved and deadlines were met.

### 4. Assignment finalisation

Both the thesis and the software product were finished in time and consulted before their submission.

### 5. Publications, awards

The software product has been published as an open-source. No other publications or awards of any kind are known.

### 6. Total assessment

**good (C)**

Based on the overall activity of the student, which I consider to be sufficient, and based on the student's ability to cope with the difficult assignment, the thesis should be graded as **good (C)**.

In Brno 1 June 2022

Rychlý Marek, RNDr., Ph.D.  
supervisor