

I. IDENTIFICATION DATA

Thesis title:	Behavioural-Cloning-Based Path Planning for Autonomous Student Formula
Author's name:	Roman Šíp
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Cybernetics
Thesis reviewer:	Karel Zimmermann
Reviewer's department:	Department of Cybernetics

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	ordinarily challenging
<i>How demanding was the assigned project?</i>	
Please insert your comments here.	

Fulfilment of assignment	fulfilled
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
Please insert your comments here.	

Activity and independence when creating final thesis	A - excellent.
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
Please insert your commentary.	

Technical level	A - excellent.
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
Please insert your comments here.	

Formal level and language level, scope of thesis	A - excellent.
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
Please insert your comments here.	

Selection of sources, citation correctness	A - excellent.
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
Please insert your comments here.	

Additional commentary and evaluation (optional)
<i>Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.</i>
Please insert your comments here.



III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Summarize your opinion on the thesis and explain your final grading.

I have been working with Roman from September 2023. He has been coming regularly for our weekly meetings very well prepared. He always knows what he want to discuss and he always presented some intermediate results that has been valuable source for the fruitful discussion. In the beginning, we have been discussing several ways how to contribute to the autonomous formula. Our discussions and huge amount of Roman's experimental work distilled in the topic of this diploma thesis. I do appreciate that he has been able to run the his method on the real autonomous formula. To summarize, Roman is self-motivated person, who worked hard to achieve solid results presented in this thesis.

The grade that I award for the thesis is **A - excellent**.

Questions for potential discussion:

1. Could you summarize advantages and drawbacks of the proposed ML-based solution with respect to classical solution such combination of online SLAM followed by controller?

Date: **6.6.2024**

Signature: