

I. IDENTIFICATION DATA

Thesis name:	Human motion modeling and data generation tool for tracking algorithm development
Author's name:	Goldasová Silvia
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Measurement
Thesis supervisor:	RNDr. Zuzana Kúkelová, Ph.D.
Supervisor's department:	Department of Cybernetics

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment <i>Evaluation of thesis difficulty of assignment.</i>	challenging
The assignment required a thorough literature research and the ability to connect algorithms from several different research areas, extend and implement them in a meaningful way.	
Satisfaction of assignment <i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	fulfilled with minor objections
The main goals of the thesis were fulfilled. However, I would appreciate if the configuration and visualization interfaces were a bit more developed, and the evaluation of the resulting algorithm was a little bit more extensive.	
Activity and independence when creating final thesis <i>Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.</i>	B - very good.
The student worked tirelessly and very independently. She required only a minor input and was able to complete most of the work on her own. Which was also a necessity, since she started working on the thesis quite (too) late. This resulted in the later parts of the work lacking the quality of the earlier parts.	
Technical level <i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	A - excellent.
The thesis and the practical work behind it is technically sound. The student demonstrated that she has good programming skills and knowledge to understand, implement and extend non-trivial algorithms. The work, that she has done, is clearly documented in the thesis.	
Formal and language level, scope of thesis <i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	B - very good.
The thesis is organized well and for the most part, written clearly. There aren't many grammar error, with their number increasing only towards the end of the work. The figures, however, could use better descriptions and subsections at the end of chapter 3 could have been more extensive (they might not be clear enough for an "uninitiated" reader).	
Selection of sources, citation correctness <i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.</i>	A - excellent.
The citation sources are adequate and the distinction between existing work and the student's contribution is clear.	

Additional commentary and evaluation

Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.

I commend the work that the student has done – both the selection of the most appropriate base algorithm from the literature and the extension added by her. The result (after some modifications) will actually be used as a part of human tracking algorithm development.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

The student has done a very good work, in both literature research and in proposing and implementing her own extensions of the selected algorithm. My only issue with the work is poor time management on the side of the student. Better time management and regular consultation could have resulted in a work of even better quality.

The grade that I award for the thesis is B - very good.

Date: **6.6.2022**

Signature: