

Assessment of the bachelor thesis by the supervisor

Název práce: *Overview of kinematic variables for typical road vehicle maneuvers*

Autor práce: **Parth Oza**

Vedoucí práce: **Ing. Jan Pokorný, Ph.D.**

Bachelor thesis is assessed according the following aspects:

a) Completeness of the bachelor thesis in terms of the requirements of the assignment, formalities (clarity, layout, etc.).

Bachelor thesis of Mr. Parth Oza, that was submitted for assessment, is complete in terms of assignment requirements. The student covered and elaborated on all points listed in the Thesis guidelines, which are part of the Assignment of Bachelor Thesis.

Formally, the work is clear, has a decent graphic design and is, apart from the details, free of grammatical and spelling errors.

b) Whether the bachelor has acted independently and actively.

The author proceeded independently and actively in creating the bachelor's thesis. During the implementation of the experiment, he was provided with material, personnel and professional support from the Department of Transport Means and Diagnostics and Educational and Research Centre in Transport.

c) How the bachelor has used materials obtained in practice and from the literature.

The student based his work on 4 information sources, which he considers adequate for the given type of work. Given the nature of the work, the resources used seem appropriate to me.

In my opinion, the student made sufficient use of the documents obtained mainly in practice, but also from professional literature and during the study.

d) What is the professional level of the bachelor thesis and its contribution to the field of road vehicles.

The professional level of the bachelor thesis is at a good level. The work is free of teoretical part. The author could at least briefly discuss the EDR system. The work is focused on practice - the student purposed test maneuvers that are close to real maneuvers in road traffic. Then he measured the kinematic parameters of the vehicle during the driving tests. Finally, he evaluated and described the obtained data.

I see the main benefit of the work in the description of measured maneuvers, which can then be used in assessing data obtained from real traffic situations.

e) The obtained results, their correctness, and the possibility of their practical application.

The achieved results and conclusions could have been more elaborate. The bachelor could try to elementary process of the received data. The method of data processing is not entirely obvious from the work.

The possibility of practical use was mentioned in the previous point.

f) How the thesis complies with standards, legal requirements, and regulations.

The work complies with standards, legal provisions and regulations. Literary and visual sources are properly referenced.

g) Whether the thesis contains an original solution suitable for a copyright certificate, patent, etc.

The work does not contain an original solution suitable for a copyright certificate, patent, etc.

h) What is the result of the plagiarism check, with a comment by the supervisor.

The result of plagiarism control in the IS / STAG system is evaluated so that the work is not plagiarism. There was practically no agreement with a similarity rate higher than 3%, even in a source that has nothing to do with the problem.

I classify the thesis:

C (2,0)

Supplementary questions:

What is EDR?

How were the results processed?