

Opponent's "Posudek"

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Here is my final assessment of **Lukáš Langer's** thesis entitled:

Specifications of Switched DC/DC Converters Used for Automotive LED Applications. Parameters of Suitable Power MOSFET'S, Option of Partial-damping of their Switching Operation and their Impact on Circuit Proprieties

Introductory Comments: Mr. Langer's thesis is about ...? Is it about the title above; or is it "an introduction to the usage of a new device for automotive lights, mainly LED lights"; or is its goal not technical, but about "a usage of [the] English language used for [a] more general description of principles and measurement processes"? I will comment on this below.

Grammar:

While many parts of this thesis are well written, significant errors can be found in other parts. They are:

- several mistakes in the usage of *articles* are made throughout the paper
- the sentence structure used in the *Abstract* is awkward (e.g. "In the thesis will be included also ...")
- a few phrases are clumsy, confusing and incorrect too (e.g. p.1: "In those times of 1940s ..." or p.5 "... the vehicle depends on a reaction about seconds or less.")
- using the noun "correspondent" when a verb is needed (p.17)
- the tense used in the *Conclusion* is incorrect (see *Content*)

Content:

I have major questions here, especially with regard to the *Title*, *Abstract*, *Introduction* and *Conclusion*. The title of this thesis should never have been allowed—the first sentence would have been enough! The abstract is simply poorly written and confusing because it is obvious this thesis is written in English. There is an *Introduction*, but it is found in the beginning of the *Conclusion*. This is a pity because much of this paper was well written and interesting, especially regarding his description of headlights. His figures, tables and pictures were relevant and done very well.

Style:

This area is overall pretty good, except for the occasional inability to put a few phrases in simple terms (e.g. p.1: "In the 1940s ..." is good enough).

Final Mark: 70%/C

There is a saying that the best theses have a good beginning and a good ending. Unfortunately, Mr. Langer forgot about this, which is a pity because Lukáš did a lot of good research and his paper provides very interesting information on LED lights. However, because of my comments above I can only give him the minimum mark for *Good*.

Kenneth Froehling, M.A.

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