

## Review of Bachelor's Thesis

**Student:** Zembjaková Martina  
**Title:** Futuristic Aircraft Cockpit Design (id 20746)  
**Reviewer:** Vlk Jan, Ing., UPGM FIT VUT

- 1. Assignment complexity** **average assignment**  
The work is dealing with design and implementation of flight data visualization system at the flight simulator at FIT. The difficulty of the tasks is according to my opinion average.
- 2. Completeness of assignment requirements** **assignment fulfilled**  
All assigned tasks were fulfilled.
- 3. Length of technical report** **in usual extent**  
The thesis contains 47 pages and has a normal range for bachelor thesis.
- 4. Presentation level of technical report** **85 p. (B)**  
The text has a very good logical structure and it is possible to observe a very good link between the sections which helps the reader in orientation. The information content of individual chapters is very well balanced. I have only one remark to chapter 2 which title doesn't fully correspond with its first two subsections.
- 5. Formal aspects of technical report** **80 p. (B)**  
The thesis is written in English and contains only occasional typos. The typography of the work is very good.
- 6. Literature usage** **87 p. (B)**  
The student cites over 40 book and electronic resources which are relevant to the selected topic. Most of the resources are from the internet. I would recommend to cite more books and articles.
- 7. Implementation results** **90 p. (A)**  
The student created an application for flight data visualization within the flight simulator at FIT. The application was implemented even for utilization in virtual reality which was beyond assigned tasks. The flight data visualization system was properly tested with a group of respondents and the results were collected via user questionnaires.
- 8. Utilizability of results**  
The results of reviewed work are according to my opinion useful for the following research of flight simulation based on virtual reality.
- 9. Questions for defence**  
Why did you choose orange as a dominant color in your design of flight data visualization?
- 10. Total assessment** **87 p. very good (B)**  
The student thoroughly investigated the problematics of flight data visualization and created a functional application which visualizes the flight data through VR glasses. The application was integrated within the flight simulator environment at FIT. With respect to the previous findings, I suggest the grade **(B)**.

In Brno 31. May 2018

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signature