

Review of Master's Thesis

Student: Grzybowska Martina, Bc.
Title: Human Mo-cap System Based on Inertial Measurement Units (id 20602)
Reviewer: Semerád Lukáš, Ing., DITS FIT BUT

1. **Assignment complexity** **more demanding assignment**
The implementation of the assignment includes the design and development of hardware and software.
2. **Completeness of assignment requirements** **assignment fulfilled**
3. **Length of technical report** **in usual extent**
4. **Presentation level of technical report** **90 p. (A)**
The chapters are not unnecessarily long, they contain essential information, they are appropriately chosen and they follow each other logically.
5. **Formal aspects of technical report** **90 p. (A)**
From the typographic point of view, I did not find any major problems, I am not able to assess the language side of the work.
6. **Literature usage** **90 p. (A)**
The literature was chosen appropriately and it's cited correctly.
7. **Implementation results** **95 p. (A)**
The student managed to create a fully functional device. The implementation output is very successful and the device returns the required data. The source code is clearly arranged.
8. **Utilizability of results**
The work follows the research of the STRaDe group and can certainly be used in other works and projects.
9. **Questions for defence**
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10. **Total assessment** **95 p. excellent (A)**
The student had to work on the topic of the work from beginning to end. It was necessary to design and create hardware devices, as well as software for data processing and device control. Overall, the work is at a high level, so I suggest a grade of **A (excellent)**.

In Brno 8 June 2021

Semerád Lukáš, Ing.
reviewer