

Review of Master's Thesis

Student: Madaj Tomáš, Bc.

Title: Performance Benchmark for Smart TV Platforms, Set-Top Boxes and Game Consoles (id 21234)

Reviewer: Ismael Mazen, Ing., MSc, UIFS FIT VUT

1. Assignment complexity **less demanding assignment**

Although the work is based on the student's practical experience and the work is good, many tests did not finish, and there is no so complex in the thesis.

2. Completeness of assignment requirements **acceptable under serious reservation**

The student used Mautilus-SDK-3 as a draft of the solution requirement and the benchmark in it. There are results but no real system has been designed.

3. Length of technical report **almost in minimum requirements**

The student reach the limit of the standard! the content is enough and all the important parts is included.

4. Presentation level of technical report **70 p. (C)**

The technical report could be used as a manual for new developers (both beginners and seniors) in this field.

5. Formal aspects of technical report **70 p. (C)**

The writing is understandable and easy to read. There are few a written mistakes but did not affected the quality of the content.

In some places, shortcuts of the names of algorithms and techniques did not explained and sometimes explained later in the thesis e.g. "DOM", "DRM" explained later in page /32/, "DVB"..

6. Literature usage **70 p. (C)**

The topic and the references are not from published scientific papers (they are documentation, manuals, case studies and articles) but suitable and quite new and fit the purpose.

7. Implementation results **65 p. (D)**

This thesis comes as a result of the student's practical experience. The project works well and the tests implemented in the project bring results.

8. Utilizability of results

There is no results published based on this thesis.

9. Questions for defence

1. In this thesis you build your benchmark based on Mautilus SDK, could you explain how much their draft was the inspiration for you and how you saved your independence to keep the uniqueness of your work?
2. Your tests focused on two major platforms (Samsung Tizen and LG webOS), could you explain what the usability of your tests with other platforms (old and new versions)?

10. Total assessment **65 p. satisfactory (D)**

The student tried in this thesis to summarize his work experience, the work cover the requirements.

In Brno 14. August 2018

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signature