Supervisor assessment of Master's Thesis

Student: Martín Gago José

Title: Asynchronous Input/Output for Scientific Simulations (id 19648)

Supervisor: Jaroš Jiří, Ing., Ph.D., UPSY FIT VUT

1. **Assignment comments**
   The goal of the thesis was to investigate the benefits of the asynchronous I/O in scientific application executed on a supercomputer. Since the student was expected to stay at BUT only for the winter semester, the assignment seemed to be quite difficult. That's why the student had been asked to work out a list of tasks before coming to BUT to get up to speed and keep enough time to finish the thesis in time. Unfortunately, none of the task was finished. Thus, we started from scratch in October. This made the assignment quite a challenge.
2. **Literature usage**
   To my best knowledge, the student worked with the documentation to the MPI standard and supercomputers used. He did not attempt to compare his results even with the theoretical performance results published at the cluster website, let alone confront them with scientific publications.
3. **Assignment activity, consultation, communication**
   The student activity was acceptable. He came every two weeks to discuss his implementation and ideas. However, I saw only very little performance results to be able to draw some conclusions. The work was stored in a git repository and documented at an acceptable level.
4. **Assignment finalisation**
   Finishing the thesis was quite hectic. I was given the first draft of about 12 pages on the 3rd of January, and the final version a day before the submission deadline, far to late for this size of text. I had almost no chance to correct the thesis since there was time to do significant changes and add all missing text.
5. **Publications, awards**

6. **Total assessment** **satisfactory (D)**
   Considering the student activity as good during the semester but being given a very short time to read the thesis, I mark the thesis by the degree D.

In Brno 12. January 2017

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