

Supervisor assessment of Bachelor's Thesis

Student: Varga Marek

Title: Comparison of the Effect of Fingerprint Image Compression Algorithms on the Quality of Matching Algorithms (id 21646)

Supervisor: Drahanský Martin, prof. Ing., Dipl.-Ing., Ph.D., DITS FIT BUT

1. Assignment comments

I evaluate the assignment of this bachelor's thesis as moderately difficult. The work follows up on the long-term research plan of the STRaDe group in the field of fingerprint processing. The achieved results are very interesting and the student processed all the required parts. The assignment has been completely fulfilled.

2. Literature usage

Mr. Varga found all study sources on his own, reflecting on the recommendations of the supervisor or other members of the STRaDe team. All mentioned publication sources are relevant to the given content of individual parts.

3. Assignment activity, consultation, communication

The student was active from the beginning, he solved the work well in advance and it was obvious that he is interested and enjoys the work. At the end, one consultation took place by teleconference. Mr. Varga arrived on time for all the consultations, was properly prepared and the consultations were factual and technical.

4. Assignment finalisation

The algorithmic part of the work has been completed well in advance, the text part also, but at the last minute it was necessary to complete the division of some graphs. In any case, the final version has been checked by the supervisor.

5. Publications, awards

I do not know any awards or publishing activities. However, I definitely recommend the results for publication, as they are very interesting and beneficial for the biometric scientific public.

6. Total assessment

excellent (A)

The assignment is on average difficult, but the student has fulfilled much more than required, and the results are applicable in practice and provide important information for the biometric scientific public. Mr. Varga was active and completed the work relatively well in advance. The consultations took place technically and factually. The overall impression of the student's work and approach leads me to a grade **A (excellent)**.

In Brno 16 June 2020

Drahanský Martin, prof. Ing., Dipl.-Ing., Ph.D.
supervisor