## I. IDENTIFICATION DATA

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|---|---|
| **Thesis name:** | **Radioactive Regions Detection** |
| **Author's name:** | **Jan Charvát** |
| **Type of thesis :** | bachelor |
| **Faculty/Institute:** | Faculty of Electrical Engineering (FEE) |
| **Department:** | Dept. of Cybernetics |
| **Thesis supervisor:** | Vladimír Smutný |
| **Supervisor's department:** | CTU CIIRC |

## II. EVALUATION OF INDIVIDUAL CRITERIA

**Assignment**                                                                                              **challenging**

*Evaluation of thesis difficulty of assignment.*

The student has to study the field which is not covered in the curriculum.

**Satisfaction of assignment**                                                                              **fulfilled**

*Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.*

All items of assignments were fully delivered.

**Activity and independence when creating final thesis**                                  **A - excellent.**

*Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.*

The student approach, his activity, and enthusiasm during solving the problem were excellent. We consulted a lot but the student solved many issues independently.

**Technical level**                                                                                         **A - excellent.**

*Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.*

The radiochemistry field is not covered in student curriculum but still he was able to cope with it very well. The experts from the field may find incorrect technical details and engineering mistakes but the level of expertise gained during thesis project is still very high.

**Formal and language level, scope of thesis**                                              **B - very good.**

*Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.*

The work is written in readable English but some errors can be found. Perhaps the chapters and sections can be little rearranged to make the text shorter but generally the student has to cope with the fact that the thesis consist of few rather disparate topics and he has to reflect it in the structure.

**Selection of sources, citation correctness**                                              **A - excellent.**

*Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.*

The student found independently the sources and cited them properly.

**Additional commentary and evaluation**

*Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.*

Please insert your commentary (voluntary evaluation).

**III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION**

*Summarize thesis aspects that swayed your final evaluation.*

The professionals working in cybernetics are often facing to get familiar with the problems anchored in the fields they did not study. This was the case of Jan Charvát bachelor thesis and he handled the problem well. The thesis is quite extensive and rather well written.

I evaluate delivered thesis with classification grade **A - excellent.**

Date: **9.6.2017**                    Signature: