

## I. IDENTIFICATION DATA

<b>Thesis title:</b>	<b>The use of Radon transform in medicine and biology</b>
<b>Author's name:</b>	<b>Marija Pajdaković</b>
<b>Type of thesis :</b>	<input type="text"/>
<b>Faculty/Institute:</b>	<input type="text"/>
<b>Department:</b>	Department of control engineering
<b>Thesis reviewer:</b>	Jiří Velebil
<b>Reviewer's department:</b>	Department of mathematics

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<input type="text"/>
<i>How demanding was the assigned project?</i>	
The assignment deals with Fourier and Radon transforms, these topics do not belong to the usual curriculum in bachelor programmes at FEE.	

<b>Fulfilment of assignment</b>	<input type="text"/>
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The main tasks of the thesis: the explanation, proof and example of usage of the Central-Slice Theorem have been achieved.	

<b>Activity and independence when creating final thesis</b>	<input type="text"/>
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
Ms Pajdakovic had actively consulted the ongoing work, she was always prepared and she actively sought for examples and literature.	

<b>Technical level</b>	<input type="text"/>
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
The thesis is sound, the individual steps are explained clearly. Quite necessarily, some technical details are only sketched.	

<b>Formal level and language level, scope of thesis</b>	<input type="text"/>
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
The level of English is very good and the text of the thesis reads very well. Good examples were chosen for exemplifying the theory. There are occasional, minor typos.	

<b>Selection of sources, citation correctness</b>	<input type="text"/>
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
The thesis meets the citation standards for a mathematical texts. The references are well-chosen.	

**Additional commentary and evaluation (optional)**

*Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.*

The thesis does not bring new mathematical results (but it was clearly stated in the assignment that this will not be the case). However, Ms Pajdakovic showed that she can explain difficult topics to technical audience and that she can write in a captivating way.

**III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE**

*Summarize your opinion on the thesis and explain your final grading.*

*On the basis of the above:*

The grade that I award for the thesis is

Date:

Signature: