

I. IDENTIFICATION DATA

Thesis title:	Connections on Differentiable Manifolds
Author's name:	Martin Šimák
Type of thesis:	<input type="text"/>
Faculty/Institute:	<input type="text"/>
Department:	Department of radio engineering, FEE, CTU in Prague
Thesis reviewer:	Jiří Velebil
Reviewer's department:	Department of mathematics, FEE, CTU in Prague

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	<input type="text"/>
<i>How demanding was the assigned project?</i>	
The project deals with differential geometry. This topic is not being taught at undergraduate level at FEE. The author had to learn quite abstract machinery of modern mathematics.	

Fulfilment of assignment	<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 text of the thesis covers the goals of the assignment. The author had concentrated himself on the equivalence of a connection form and a covariant derivative on a manifold.	

Activity and independence when creating final thesis	<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>	
The student had actively participated at regular meetings. He had often found and read various extra sources of literature.	

Technical level	<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>	
It is not easy to write about a technical topic in a relatively small number of pages. Moreover, the submitted text is the author's first work in mathematics. Quite necessarily, there appear some cumbersome formulations. However, I think, the author has demonstrated that his writing and clarity of exposition will improve with time.	

Formal level and language level, scope of thesis	<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 thesis is written in clear English with minimum typos. Some notation could have been improved but it would, perhaps, lead to a longer text.	

Selection of sources, citation correctness	<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 selection of references is good, their citation meets the usual standards. The student had clearly distinguished his own calculations from the ones taken from the literature.	



THESIS SUPERVISOR'S REPORT

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.

There are very many things that the author had to learn. Moreover, almost nothing of these could have been taken from the usual curriculum. There are quite a few topics that did not make it to the thesis but the student had to go through them anyway.

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 account of all of the above (a hard and technical assignment, a bulk of offset knowledge that had to be taken, the activity and enthusiasm of the student, the resulting text)

the grade that I award for the thesis is

Date:

Signature: