Review report of a final thesis

Czech Technical University in Prague

Faculty of Information Technology

Student:	Martin Štrambach
Reviewer:	Prof. Dr. Olaf Schenk
Thesis title: Branch of the study:	Triangulation of planar objects and its implementation into the AToM package Computer Science

Date: 9. 6. 2017

Evaluation criterion:	The evaluation scale: 1 to 5.
 Difficulty and other comments on the assignment Criteria description: 	1 = extremely challenging assignment, 2 = rather difficult assignment, 3 = assignment of average difficulty, 4 = easier, but still sufficient assignment, 5 = insufficient assignment
Characterize this final thesis in detail and its relationships to previous or current project	cts. Comment what is difficult about this thesis (in case of a more difficult thesis, you ma on the contrary, with an easy assignment those shortcomings should be evaluated mor
Comments:	
	eoretical background of mesh generation is well-known and the
state-of-the-art methods and software for generating meshes	
Evaluation criterion:	The evaluation scale: 1 to 4.
2. Fulfilment of the assignment	1 = assignment fulfilled, <u>2 = assignment fulfilled with minor objections,</u> 3 = assignment fulfilled with major objections, 4 = assignment not fulfilled
Criteria description: Assess whether the thesis meets the assignment statement. In Comments indicate par the thesis beyond the original assignment. If the assignment was not completely fulfille Comments:	ts of the assignment that have not been fulfilled, completely or partially, or extensions c d, try to assess the importance, impact, and possibly also the reason of the insufficiencie
	summarized available software tools. He also discussed the pro M project.
I was expecting a longer discussion on available software (suc	h as TetGen or NETGen etc, but this paper is missing)
Evaluation criterion:	The evaluation scale: 1 to 4.
3. Size of the main written part	<u>1 = meets the criteria,</u> 2 = meets the criteria with minor objections, 3 = meets the criteria with major objections, 4 = does not meet the criteria
Criteria description: Evaluate the adequacy of the extent of the final thesis, considering its content and the does not contain unnecessary parts.	size of the written part, i.e. that all parts of the thesis are rich on information and the te
Comments:	
The thesis is well written, good motivation. I also checked the	content with turnitIn and the similarity score is less than 5%.
Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
4. Factual and logical level of the thesis	95 (A)
Assess whether the thesis is correct as to the facts or if there are factual errors and inac the comprehensibility of the text for a reader.	ccuracies. Evaluate further the logical structure of the thesis, links among the chapters, ar
Comments: well structured.	
Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
5. Formal level of the thesis	100 (A)
Criteria description: Assess the correctness of formalisms used in the thesis, the typographical and linguistic	
Comments:	
I think the student wrote a well-structured BSc thesis	
Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
6. Bibliography	100 (A)
	is. Characterize the choice of the sources. Discuss whether the student used all releval II elements taken from other sources are properly differentiated from his own results ar ne bibliographical references are complete and in compliance with citation standards.

Comments:	
good bibliography.	
Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
7. Evaluation of results, publication outputs and awards	85 (B)
	r the main results of the thesis extend published state-of-the-art results and/or bring completely ons. Alternatively, evaluate whether the software or source code that was not created by the omment on possible publication output or awards related to the thesis.
Comments:	
Evaluation criterion:	No evaluation scale.
8. Applicability of the results	
Criteria description: Indicate the potential of using the results of the thesis in practice.	
Comments:	
Evaluation criterion:	No evaluation scale.
9. Questions for the defence	
<i>Criteria description:</i> Formulate any question(s) that the student should answer to the committee during	g the defence (use a bullet list).
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Criteria description: Formulate any question(s) that the student should answer to the committee during Questions: Please comment on other software tools such as TetGen o Evaluation criterion: 10. The overall evaluation Criteria description:	or NETGEN which are automatic 3d tetrahedral mesh generators The evaluation scale: 0 to 100 points (grade A to F).
Criteria description: Formulate any question(s) that the student should answer to the committee during Questions: Please comment on other software tools such as TetGen of Evaluation criterion: 10. The overall evaluation Criteria description: Summarize the parts of the thesis that had major impact on your evaluation. The o	or NETGEN which are automatic 3d tetrahedral mesh generators The evaluation scale: 0 to 100 points (grade A to F). 95 (A)

Signature of the reviewer: