

OPPONENT'S ASSESSMENT ON DIPLOMA THESIS

Student's name and surname: Rhoda Ayorkor Sai

Name of the diploma thesis: The improvement of the cavitation resistance of technical surfaces using high power laser pulses

Supervisor of the thesis: Ing. Miloš Müller, Ph.D.

Opponent: *RNDr. Milan Sedlář, CSc.*

1. Diploma thesis evaluation

Evaluation	excellent	excellent minus	very good	very good minus	good	failed
Meeting the goal and fulfilling task of the thesis	x					
Quality of conducted survey		x				
Methodology of solutions		x				
Expert level of the thesis	x					
Merit of the thesis and its potential applicability of results	x					
Formal and graphic level of the thesis		x				
Student's personal approach	x					

Mark x in the corresponding box.

Supervisor's final evaluation is based on his/her overall subjective evaluation.

Grading is stated literally in the article no. 5, neither by a number, nor by a letter.

2. Comments and remarks on diploma thesis:

Submitted diploma thesis has very high level concerning the content as well as the formal arrangement. It proves the sufficient knowledge of the student to solve independently the problems which correspond to the master degree level.

3. Questions about diploma thesis:

- Concerning equation 2.524 (or 2.24, there is some inconsistency in equation numbering), is this simplification correct? And is P_{jet} the pressure measured at the end of the nozzle? Or is it the upstream pressure?

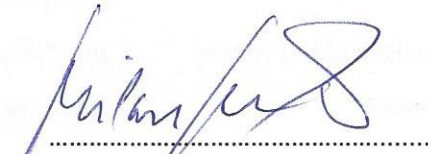
- Concerning Figure 4-4, why are the surface profiles compared for such different cumulative times? Two or three sequential cumulative times (approximately same for all samples) would give really valuable comparison.



4. Opponent's statement whether the diploma thesis meets the academic title requirements and whether it is recommended for defense: This diploma thesis meets the academic title requirements and is recommended for defense.

5. Opponent's grading: excellent

Date 19. 6. 2020, in Lutín


Opponent's signature

