

## OPPONENT'S ASSESSMENT ON DIPLOMA THESIS

**Student's name and surname:** Sudarshan Shamsundar Boob

**Name of the diploma thesis:** Experimental Investigation of the Continual Jet

**Supervisor of the thesis:** Ing. Petra Dančová, Ph.D.

**Opponent:** *doc. Ing. Jan Novotný, Ph.D.*

### 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						

*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:

The thesis has 66 pages (54 pictures and charts, no attachment). The format and structure of the thesis is of standard which included all necessary sections with a summary that covered all relevant issues. The literature review is comprehensive, relevant to the topic. The practical part describes the experimental set-up of PIV measurement and some of results of experiment are presented. Some axis labels in charts are too small and are not readable. Comparison of the velocity profile in similarity coordinates is missing for both stereo PIV and tomo PIV measurement.

### 3. Questions about diploma thesis:

1. Can you explain algorithm for calculating uncertainty of velocity measurement – figure 48-g
2. In table 4 the power of laser is selected in range from 3-5% does its mean that the maximum output energy was 10 mJ in puls?


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

**5. Opponent's grading:**

Recommended

Very good

Date .....23.5....., in Praha

  
 .....  
*Opponent's signature*