



## Master thesis opponent's review

**Master thesis:** Energy balance of the cooling system for a data center in meteorologic conditions of Azerbaijan

**Author:** Elmir Ismayilov

**Thesis supervisor:** Doc. Dr. Ing. Jan Kyncl

**Thesis opponent:** Ing. Adéla Linhartová

Rating (1 – 5)  
(1 = best; 5 = worst):

1. Fulfillment of assignment requirements:	<input type="text" value="3"/>
2. Systematic solutions of individual tasks:	<input type="text" value="3"/>
3. Ability to apply knowledge and to use literature:	<input type="text" value="3"/>
4. Thesis formal and language level:	<input type="text" value="1"/>
5. Thesis readability and structuring:	<input type="text" value="2"/>
6. Thesis professional level:	<input type="text" value="3"/>
7. Conclusions and their formulation:	<input type="text" value="4"/>
<b>8. Final mark evaluation (A, B, C, D, E, F):</b>	<input type="text" value="C"/>

**verbal: good**

### **Brief summary evaluation of the thesis (compulsory):**

This thesis fulfilled the expectations.

In the theoretical part, there are described principals of cooling systems, heat engines and exchangers. The principals are nicely complemented with formulas and figures which helped student understand the basis of the problem.

The practical part was in my opinion very short. Student in two very short chapters explained the Azerbaijan area and put the calculations that were made. I cannot find any output from the calculations to the thesis.

The formal and language level is very high, there are almost no typos and inaccuracies.

Unfortunately I did not like the work with literature, the sources are sometimes absent.

### **Questions:**

1. Could you compare advantages and disadvantages of cooling systems described in thesis
2. What cooling system would you propose for project described in the thesis and why?

Date: 10.6.2020

Signature:



**Notes:**

- 1) The total thesis evaluation needn't be determined by the partial evaluations average.
- 2) The total evaluation (item 8) should be from the following scale:

excellent	very good	good	satisfactory	sufficient	insufficient
A	B	C	D	E	F