

I. IDENTIFICATION DATA

Thesis name:	Possibilities of LED quality improvement
Author's name:	Yufei Zhang
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Dept. of Electrical Power Engineering
Thesis supervisor:	Ing. Marek Bálský, Ph.D.
Supervisor's department:	Dept. of Electrical Power Engineering

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	ordinarily challenging
<i>Evaluation of thesis difficulty of assignment.</i>	
The assignment requires orientation in the physical principles of white light generation from LASER.	

Satisfaction of assignment	fulfilled
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
Student fulfilled all points of the assignment.	

Activity and independence when creating final thesis	D - satisfactory.
<i>Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.</i>	
Student had positive approach, worked independently but conception was not regularly consulted.	

Technical level	B - very good.
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
The thesis summarizes the theory of white light generation principles from LASER. The principals were analyzed and evaluation of quality of light generated by LASER was summarized.	

Formal and language level, scope of thesis	B - very good.
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
Formal level of thesis is good. There are some minor typographical and grammar mistakes but without overall impact to the thesis.	

Selection of sources, citation correctness	E - sufficient.
<i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.</i>	
Student used relevant and useful study materials. Many parts of the thesis are taken from study materials and these are not correctly distinguished from own results and thoughts.	

Additional commentary and evaluation
<i>Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.</i>
The goals of the thesis were met. Student demonstrated the ability for practical implementation of the proposed theoretical procedures.



SUPERVISOR'S OPINION OF FINAL THESIS

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

I evaluate handed thesis with classification grade **D - satisfactory**.

Date: **4.6.2019**

Signature: