

Supervisor's form for thesis evaluation

1. Identification of the student

Student:	Wenjing Zhang
Thesis:	Stainless steel angle section members in compression and combined loading
Institution:	Czech Technical University in Prague
Academic year:	2016/2017

2. Identification of the supervisor

Name:	Michal Jandera
Institution:	Czech Technical University in Prague
Position:	Assistant Professor

3. Meeting the targets specified work

excellent above aver. average below aver. weak

Comments:

The student has worked on numerical studies of slender angle section stainless steel members in compression and combined loading. She has prepared the required parametric study and derived possible simple design rules. The thesis contains also a comprehensive state of the art.

There were also three tests done during the thesis. These should be considered as above the required work.

The final project covers the work specified in the assignment completely.

4. Expertise approach to work

excellent above aver. average below aver. weak

Comments:

The student was very well prepared for the thesis. Her theoretical background was proven to be outstanding for a student at master degree level.

5. The autonomy of the student

excellent above aver. average below aver. weak

Comments:

The student was able to work independently and evenly during the whole semester. She was also very motivated.

6. Further comments

The aim of the diploma project was to study stainless steel angle section columns and beam-column. It consisted of following parts: state of the art, simple compressive tests, model validation and finally a parametric study resulting in design procedures.

The tests were not planned before the start of the thesis but considered later as a good extension of the work. This resulted in very belated testing. However the student was still able to validate the model using all available possibilities.

The parametric study is believed to cover all the most important aspects (buckling mode, section and member slenderness, material etc.). Its results demonstrates the currently used buckling curve for open sections is significantly unsafe and should be modified. Also the existing rules for beam-columns were found to be unsafe for some cases.

The student was able to work out an excellent final thesis with many interesting conclusions.

7. Grade: A (excellent)

Use the following scale

A (excellent)	B (very good)	C (good)	D (satisfactory)	E (sufficient)	F (fail)
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Prague, 16 Jan 2016

Michal Jandera

Signature