



ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ

Faculty of Civil Engineering
Department of Steel and Timber Structures

Thákurova 7, 166 29 Prague 6

Czech Republic

THESIS SUPERVISOR EVALUATION

Name: Andrei Stadnik
Thesis title: Vliv reziduálního pnutí na statické chování kolejnice
The influence of the residual stresses on the static behaviour of the rail
Thesis supervisor: doc. Ing. Pavel Ryjáček, Ph.D

A) The achievement of the thesis aim: The aim of the master thesis was fulfilled

B) Quality of research: The overall research quality is very good.

C) Completeness of the thesis: The theses is complete, the aim was fulfilled.

D) Formal quality: The thesis is formally written very well.

E) Comments:

The thesis is focused on the topic of the impact of residual stresses on the static behaviour of the rail. It includes the advanced numerical modelling and also the small scale experiment. The results of the work can be directly applied in the praxis.

The student was working hard on the thesis during the autumn. The work was regularly consulted and student showed ability to work independently and use his own ideas. He proved the skills in the advanced numerical modelling. Generally, I consider the thesis to be on a very high level.

Final grade: **A – EXCELLENT**

In Prague 10.1.2017

doc. Ing. Pavel Ryjáček, Ph.D.

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