ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ

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Evaluation of diploma thesis by supervisor

Author: Jan Lorenz

Title: Numerical Analysis of Glass Pane: A Blind Point Connection

Supervisor: Zdeněk Sokol

A Completing the aim of thesis: The aim is completed.

B Technical level: The progress required completing tasks which are generally not practiced during the bachelor and master study (preparation, execution and evaluation of experiments, numerical modeling, etc.), therefore I consider it high above the standard.

C Approach of the author.:   The thesis is based on independent work of the author with my corrections and advice related mainly to the experimental part.

D Formal approach: The author was always precisely prepared for discussion about the next steps, bringing his own ideas.

E Remarks: Completing the thesis required execution of laboratory tests and performing 3D numerical analysis. Ansys software was used which is not commonly used during the study and the author had to learn using the software and approach to numerical modeling. Furthermore, non-linear analysis with contact elements was used which makes it even more difficult.

Author was able to complete the research and maintain high level of the thesis despite the late delivery of the test specimens (the experiments were planned at mid November, however, the specimens

were delivered at the beginning of December 2016).

Classification of the master thesis   A (Excellent)

Prague, 27 January 2017   Ing. Zdeněk Sokol, Ph.D.