CZECH TECHNICAL UNIVERSITY IN PRAGUE
Faculty of Mechanical Engineering, Department of Process Engineering

Evaluation of Diploma Thesis

Study program: Mechanical Engineering
Study field: Process Engineering
Author: Arunanshu Chakravarty
Title: CFD simulation of heat transfer in an agitated vessel

Author accomplished the given tasks very well. He performed numerical simulations in ANSYS Fluent of fluid flow and heat transfer in an agitated vessel on a quite good level. I appreciate the evaluation of the transient simulations using MATLAB software, including the regression analysis of the heat transfer results and power characteristics of the impeller. The author showed very good abilities of individual work. I would expect a little better skills in graphical postprocessing of the results, but it is just a minor imperfection of the work which is written clearly, using very good English language.

Evaluation: excellent (A)

22. 8. 2017

Ing. Karel PETERA, Ph.D.