

International Research on the Computer Study Programmes between TU Ostrava, Czech Republic and Silesian University Katowice, Poland

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Abstract

The first scientific-research cooperation treaty between the Faculty of Electrical Engineering and Computer Science of VSB-TU Ostrava – Department of Electric Power Engineering and the Faculty of Material Engineering, Metallurgy and transportation sciences of Politechnika Śląska – Department of electrotechnology has already been ratified in 1994. Since 2001 the programme is resolved in terms of the “KONTAKT” international programme. The treaty supposes the realization of a common long-time research project named “Development of Programmes for Computer Aided Research in Electroheat”. The basic element of the cooperation is the working out the design methods and function simulation of several types of electric furnaces and heaters which were used within a creation of six computer programmes. These programmes are able to calculate the electric, thermal and operation parameters of the mentioned equipment. The programmes are also used for didactic purposes at the both of the universities. They were presented in several publications common for the employees of the both of cooperating departments.

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