Acta Universitatis Carolinae. Mathematica et Physica

Jaromír Antoch
Editorial

Editorial

This issue of AUC contains selected papers from the 16ᵗʰ Winter School ROBUST, which took place last year in Kraliky, Czech Republic. This series of events is organized biannualy under the auspices of the Czech Union of Mathematicians and Physicists and the Czech Statistical Society since 1980. During the years summer and winter schools ROBUST developed into most important local conference in Czecho-Slovakia.

Among the main aims of the organizers since the beginning belongs the effort to offer enough of space for presentation and for publication of the work of young colleagues, including PhD students. This issue well documents this effort, because half of the contributions contain best results of PhD theses.

Most of the presented papers are from the field of regression. Authors study consistency of the estimates in the model with errors-in-variables, construct parametric and nonparametric tests for detection of changes in the regression model and study properties of robust and nonparametric modifications of the classical least squares estimates. Aside that, two interesting papers come from the field of processes, while the last one suggests an interesting probabilistic models suitable for learning in neutral networks.

Jaromír Antoch, editor