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Research interest: Data cluster analysis, Numerical analysis, Curve fitting, Parameter estimation

Recent publications:

- [1] K. Sabo, R. Scitovski, „*An approach to cluster separability in a partition*“, **Information Sciences** **305** (2015), 208-218
- [2] R. Scitovski, K. Sabo „*Analysis of the k-means algorithm in the case of data points occurring on the border of two or more clusters*“, **Knowledge-Based Systems** **57** (2014), 1-7
- [3] K. Sabo, „*Center-based L_1 -clustering method*“, **International Journal of Applied Mathematics and Computer Science** **24/1** (2014), 151-163
- [4] R. Grbić, K. Scitovski, K. Sabo, R. Scitovski „*Approximating surfaces by the moving least absolute deviations method*“, **Applied Math. Comput.** **219/9** (2013), 4387-4399
- [5] K. Sabo, R. Scitovski, I. Vazler „*One-dimensional center-based L_1 -clustering method*“, **Optimization Letters** **7/1** (2013), 5-22

Selected publications:

- [1] M. Benšić, K. Sabo „*Border estimation of a Two-dimensional Uniform Distribution if Data are Measured with Additive Errors*“, **Statistics, A Journal of Theoretical and Applied Statistics** **41** (2007), 311-319
- [2] K. P. Hadeler, D. Jukić, K. Sabo „*Least squares problems for Michaelis Menten kinetics*“, **Mathematical Methods in the Applied Sciences** **30** (2007), 1231-1241
- [3] M. Benšić, K. Sabo „*Estimating the width of a uniform distribution when data are measured with additive normal errors with known variance*“, **Computational Statistics & Data Analysis** **51** (2007), 4731-4741
- [4] D. Jukić, K. Sabo, R. Scitovski „*Total least squares fitting Michaelis-Menten enzyme kinetic model function*“, **Journal of Computational and Applied Mathematics** **201**(2007), 230 - 246
- [5] R. Scitovski, G. Kralik, K. Sabo, T. Jelen „*A mathematical model of controlling the growth of tissue in pigs*“, **Appl. Math. Comput.** **181** (2006), 1126-1138