



ACTIVE METHODS OF MATHEMATICS EDUCATION

PETER VANKÚŠ, ANNA MATFIAKOVÁ

ABSTRACT. *In the paper we deal with the survey on active methods of mathematics education. The survey was done by the research method of interview with the structure of 10 items with more possible choices and 1 item with open answer. The participants of the interview had possibility to further clarify their responses verbally to make the answers more personal. The participants were 20 teachers of selected schools in Bratislava. In the paper we describe the survey, used items, and we analyze the answers. They give us insight to the active methods used by respondents in their mathematics lessons. Survey also provided us with participants' opinions about efficacy of active methods in various years of school education, various stages of the lesson and also sources of the active methods those are these teachers using. The results of the survey showed us that participating teachers are using all sort of active methods and they are aware of the importance of such methods for mathematics education. They tend to use these methods almost in all years of education and in various areas of mathematics. Respondents are also using many sources of active methods, even creating their own.*

KEY WORDS: *active methods, mathematics education, survey*

CLASSIFICATION: *D40, C70*

Received 10 April 2014; received in revised form 7 May 2014; accepted 10 May 2014

Authors' Addresses

*PaedDr. Peter Vankúš, PhD.
Fakulta matematiky, fyziky a informatiky UK v Bratislave
Mlynská dolina, SK – 84248 Bratislava
e-mail: peter.vankus@gmail.com*

*Mrg. Anna Matfiaková
Fakulta matematiky, fyziky a informatiky UK v Bratislave
Mlynská dolina, SK – 84248 Bratislava
e-mail: a.matfiakova@gmail.com*