

# Discovery learning mathematics with GeoGebra through mobile devices in lower secondary level

Lilla Korenova

Comenius University in Bratislava, Slovakia

korenova@fedu.uniba.sk

Jan Guncaga

Comenius University in Bratislava, Slovakia

guncaga@fedu.uniba.sk

## Abstract

New technologies with modern method of teaching must be implemented in the mathematics education. These technologies make mathematics education more attractive and also it brings bigger motivation and understanding of notions by students and pupils at schools. We present in our contribution augmented reality (AR) as a part of using of mobile technologies in mathematics education in the lower secondary level. Another field is using of the open source software GeoGebra with its dynamic character. This software brings possibility to implement more suitable separate and generic models in the educational process. The inductive (constructivist) approach in the lower secondary mathematics with GeoGebra and AR technology will be discussed.