Abstract

The aim of this thesis is to create a web portal dedicated to teaching of a topic of high school mathematics – Functions. The work contains sections focusing on creating didactic teaching materials, inclusion of ICT in teaching mathematics and sections dedicated to the creation of new www learning portal. It also discusses the dynamic mathematics software, GeoGebra, which is extensively used in this portal.

The work is boosted by two studies which measure the suitability of the project for the purposes of teaching mathematics on secondary schools. Research was focused on teachers and high school pupils. The results and conclusions of the research part of the thesis point out how to modify the material, adapt it and thus make it more suitable for educational purposes.

Keywords

www project, teaching of mathematics, functions, GeoGebra