

The aim of the thesis is analyzing of possibilities in application of program Wolfram Mathematica in education of Math. All analysed options are supported by applets created in investigated program. The text is focused on introduction of background of the program and web support including instructions and all prepared materials. The thesis mainly emphasizes on creation of demonstrations in program Wolfram Mathematica. Particular parts of the text are also focused on programs such as Wolfram Alpha, Wolfram Demonstration Project a Wolfram Problem Generator.