Mathematica: Programming, Visualization and Interactivity

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Wolfram Research company engaged in the production of mathematical software, main product of which is Computer System Wolfram Mathematica. The Mathematica program possesses powerful graphic opportunities which facilitate visualization of calculations. It allows to use widely Mathematica in various scientific areas. Mathematica is constantly updated by group of the qualified experts.

In article graphic tasks and the relevant decisions are discussed. Mathematica program functions are used and the functions created by the user. Tasks in two - dimensional and in three - dimensional space are solved. Dynamic objects are studied.In work are considered tasks of programming, visualization, and their solutions.