

Abstract:

The work presents own software for geometric drawing aimed to construction of conic sections. It's designed for high school students and their teachers, to use in lessons of descriptive geometry and mathematics. It contains a number of exercises with solutions which are prepared to solve in the program. Next part of this work is a theory about conic sections. We show various definitions, constructions and some basic properties. We also show a construction and properties of tangent in the point of conic section. Theory is supplemented by animations and pictures made in program GeoGebra. There are also proofs of equivalence of presented definitions.