

The application of GeoGebra software in examining the students' achievements

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The numerous researches have shown that educational software GeoGebra contributes to better achievements of the students in different mathematical disciplines. The special importance is given to the multiple representations of functions, vectors, etc. The application of 3D view proved to be very useful in studying solid figures and their properties. Dynamic characteristics of the GeoGebra software enable examining of the influence of variable parameters on the observed objects' properties. In the last few years, GeoGebra software has been developed and improved in order to be applied in examining the students' achievements. The last version of the GeoGebra application contains the exam mode, which enable the environment where the student cannot use any other application on his/her device, except GeoGebra, during the exam. Also, there is the possibility of creating the tasks, which can be assigned to the students by using GeoGebra classroom. This innovation is applicable for homework and the tests, and it can be shared with other teachers, in order to cooperate, co-teach, etc. Also, GeoGebra classroom enables the insight into the students' work and analyzing their results.