

GeoGebra3D

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The new version of GeoGebra 5.0 provides a module for dynamic geometry in 3D. With this new module it is possible to create constructions of spatial geometry in connection with planar geometry. The procedure is analogous to the usual work in the graphics window used previously and requires no change in the operation. The created geometric objects are displayed as usual in algebraic form. In combination with the computer algebra system GeoGebraCAS thus a geometrical representation and a mathematical treatment of the problem are possible. In the lecture examples from analytical geometry, calculus and some physical applications are presented.