

The possibilities of and limits to the application of the GeoGebra dynamic geometry programme in elementary and secondary education (Discussion points)

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- When and for what should we (and should we not) use the GeoGebra toolbox?
- When does the conjecture assumed or reinforced through the tools of dynamic geometry help or hinder the development of a mathematically correct proof?
- When should the solution to a mathematical problem be elaborated as a teacher demonstration and when should it be a student experiment? When use a programme that has been written for teacher demonstration as a hands on activity?
- What type of programmes can be shared with others on the forums of GeoGebra? Should we indicate the source (should it be didactic, annotated with explanations)?
- To what extent should we apply demonstrational programmes downloaded from the web?
- Is it an adequate conception that we should only give users (students) applications which they obtain the necessary mathematical skills for?

The aim of this workshop is to come up with answers to these questions through examining a series of examples and counter-examples.