



Security issues with geogebra

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Central Statements

- Geogebra allows you to create useful LON-CAPA problems.
- Geogebra not necessarily complies with LON-CAPA security standards.
- **When giving geogebra based problems to your students, be aware that your students might be able to distill the correct answer out of geogebra.**
- Presumably all this applies to *physlets* as well (although the open doors are different).
- All this does not apply to `<functionplotresponse>`, which does comply with LON-CAPA security standards, as this geogebra applet does not contain any information about the correct answer (unless the problem has been answered correctly or the due date has been passed).



- Double click on the applet brings you to the (online) geogebra editor!
Use `<param value="true" name="framePossible" />` to prevent this.
- You can tell geogebra via the algebra input line to plot a graph.
Use `<param value="false" name="showAlgebraInput" />` to prevent this or disguise your function name.
- http://www.geogebra.org/en/wiki/index.php/GeoGebra_Applet_Parameters provides further parameters.
- Applets are cached by the jvm client side and can be edited.
- Delivering applets as byte code prevents caching.
- But these applets can still be edited by uploading the html-file to geogebra.