

Using the Geogebra Filter for Moodle

Geogebra is Java Math Software by Markus Hohenwarter
www.geogebra.at

Using the geogebra filter makes it a lot easier to **embed geogebra worksheets** into moodle online documents.

How it works:

During installation of the filter three geogebra files, will be copied into a central folder of the moodle system and registered at the moodle system.

After this is done successfully, Teachers will be able to embed previously uploaded *.ggb (Geogebra) files into a moodle online document simply by creating a link to the .ggb file using (as usual) the link symbol in the editor bar.

As an option you will be able to customize the width and height of the applet. When saving the document, the link will be automatically converted in HTML-Code, which will display the applet instead of the link at the same position.

Installation: (to be done by Moodle Admin)

1. Upload the complete folder "geogebra" into the folder moodle-->filter
2. In Moodle, navigate to Moodle->Administration->Configuration->"Filter" and click on "geogebra" to activate the filter

Usage:

1. In a Moodle course: -> Add a resource ->compose a website
2. Write content. At the position the applet should appear, create a link to the (previously uploaded) *.ggb file.
 - a Write some link text
 - b Select the link text.
 - c Click the „chain icon “ in the tool bar of the editor.
3. In the appearing small Window choose your .ggb file. (Change folder, if necessary.)
- 4 Optionally: At the end of the link text type values for width and height of the applet according to the following pattern:
`myfile.ggbwidth=600height=300` (Default values 400x400)

5 Close the window

Be aware of the fact, that you won't see the applet unless you leave the editor and save your document.

On reopening it later, you will notice the link rather than the applet.

A **restriction** to be eliminated soon:

Placing more than one .ggb-File in one document will give all of dimensions.

The screenshot shows the Moodle editor interface. At the top, there's a toolbar with icons for text formatting (bold, italic, underline, strikethrough) and a 'link' icon. Below the toolbar, the editor content area shows the text 'look at the following applet' and a blue 'link' button. A yellow box with the text 'look at the following applet' is overlaid on the right side. A small window titled 'Einfügen' (Insert) is open, showing the URL 'podle/file.php/46/geogebra/brechung_platte.ggbwidth=500height=300', the title 'Titel:', the target 'Ziel: Keine', and the link type 'anker: ----'. A red arrow points from the 'link' button in the editor to the 'Einfügen' window. Another red arrow points from the 'Einfügen' window to the 'link' button in the editor. A green box with the text 'After saving !' is at the bottom right.