

Tex Text - A LaTeX extension for Inkscape

Prerequisites

- A LaTeX distribution (e.g. MiKTeX) has to be installed, especially pdflatex is needed
- You need Inkscape, of course

Installation

Tex Text Extension

The installation of *Tex Text for Inkscape* is straightforward.

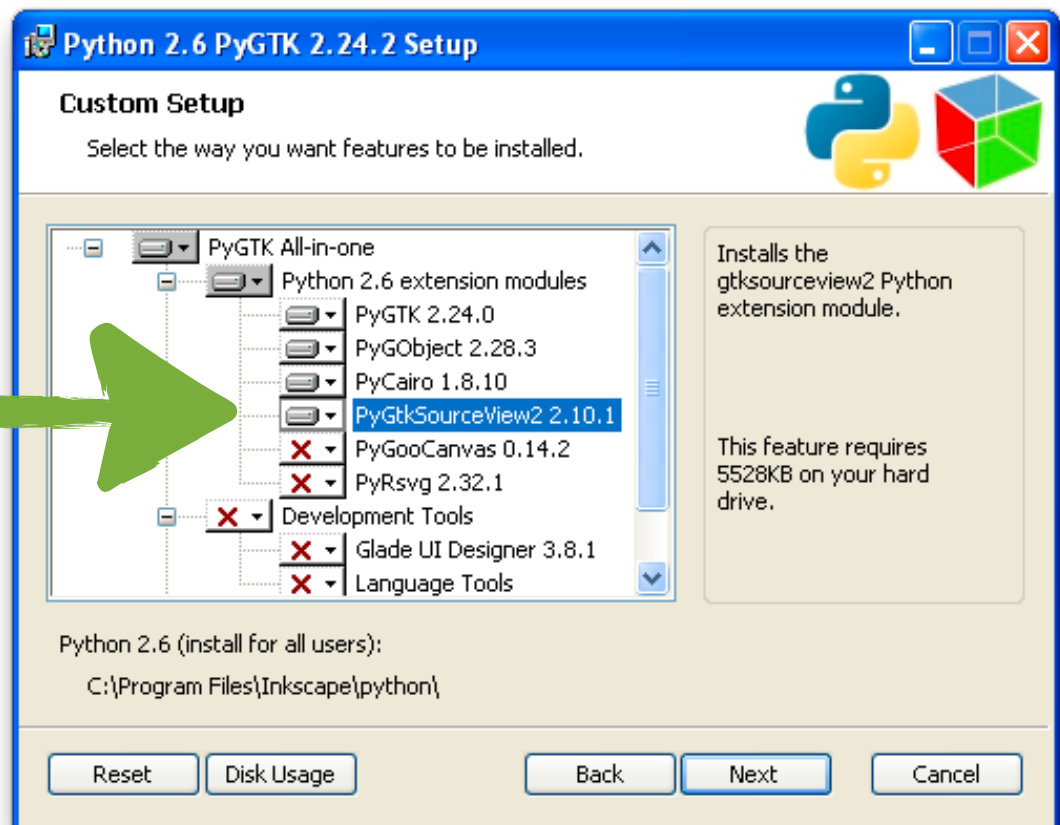
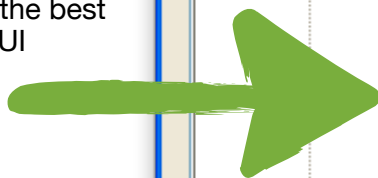
Simply use the installer `texttext-0.5.exe` and follow the instructions (basically, click *Next*, *Install* and *Done*, since you usually won't even have to change the installation directory).

PyGTK

After that, go to the `Additional Software` folder and install `pygtk-all-in-one-2.24.2.win32-py2.6.msi`. It will find the Python-Installation that comes embedded in Inkscape, because the *Tex Text-Installer* registered it with the Windows Registry for you.

On the second page, which lets you choose which parts to install, make sure you activate the item *PyGTKSourceView2 2.10.1* in order to enable the nicest GUI for *Tex Text*. You're not required to install it, but *Tex Text* won't look as nice as it could.

don't miss this, if you want the best looking GUI

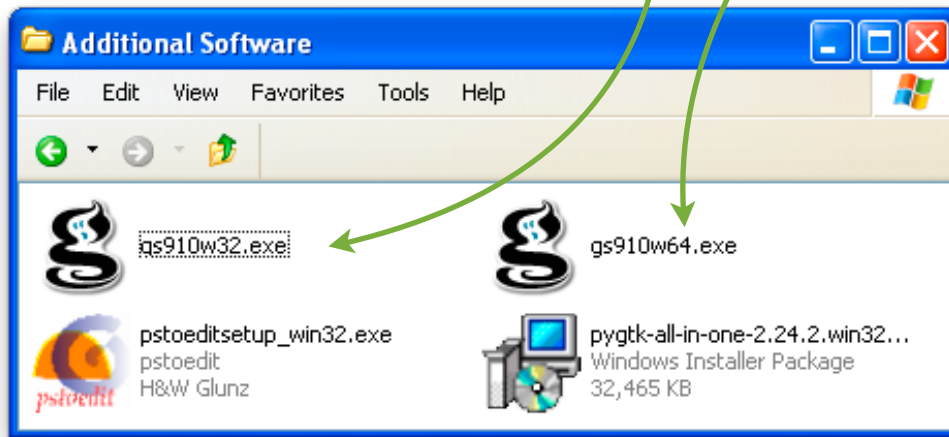


Even more software that you might need to install

If you don't already have *Ghostscript*, *pstoedit* and *ImageMagick* installed on your machine, you'll have to install these as well.

- The installer for *pstoedit* is `pstoeditsetup-win32.exe`
- To install *ImageMagick*, run `ImageMagick-6.8.8-7-Q16-x86-static.exe`

- Depending on your machines architecture, install either the 32 or 64 bit version of Ghostscript.



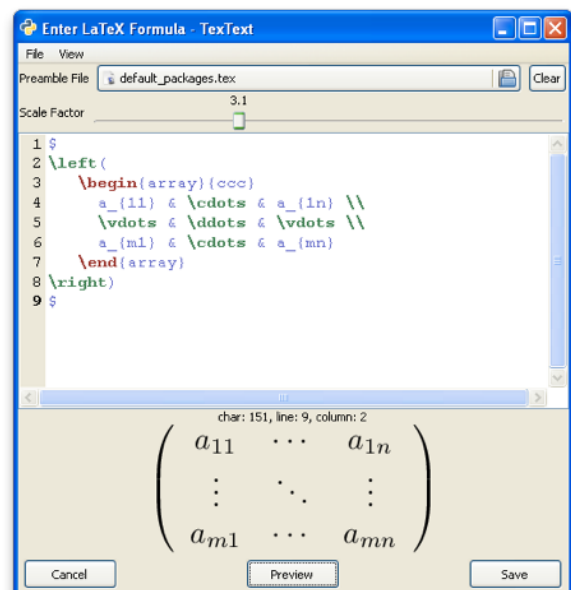
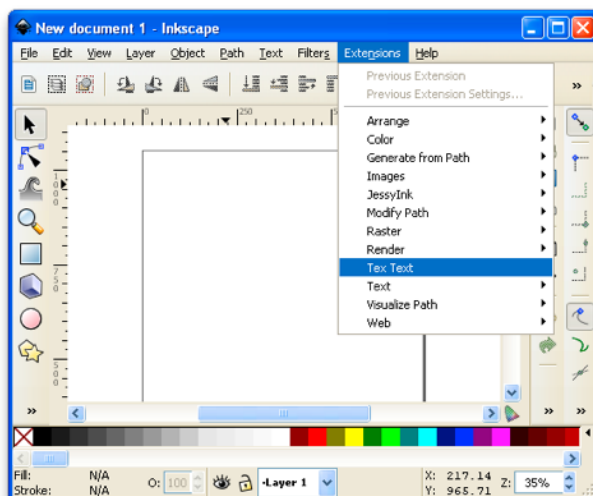
Congratulations, you're done!

Usage

The extension menu in Inkscape will now contain a new entry named *Tex Text*.

When you select it, a dialog will appear that lets you enter any LaTeX code you want (presumably your formula). It will highlight the syntax with colors, show you line numbers and more. Above the text field you can choose a scale factor between 0.1 and 10 in increments of 0.1. You can also choose a preamble file from your disk which shall be used for rendering your LaTeX code.

Basically, your LaTeX code will be inserted into this environment:



```
\documentclass[preview]{standalone}


preamble file content


\pagestyle{empty}
\begin{document}


Your code


\end{document}
```

This will be typeset and the result converted to SVG and inserted in your Inkscape document.

Your LaTeX code you and the accompanying settings (scale factor and optionally a preamble file) will be stored within the new SVG node in the document. This allows you to edit the LaTeX node later by selecting it and running the Tex Text extension (which will then show the dialog containing the saved values).

Any applied color or other styles will be kept when you update the LaTeX node using Tex Text.

There is a preview button as well, which shortens the feedback cycle from entry to result considerably, so use it! (It requires ImageMagick to be installed.)