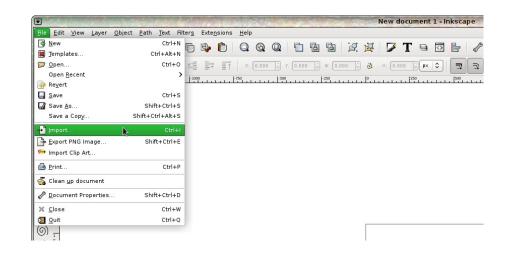
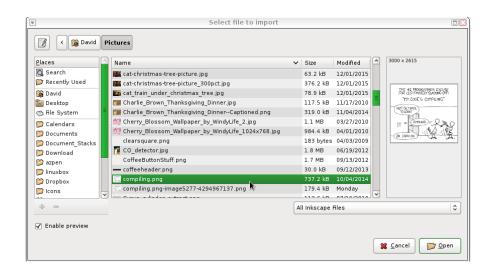
PNG to Gcode using Inkscape

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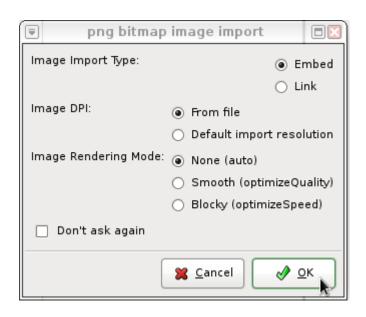
Example imported PNG image courtesy of XKCD (http://xkcd.com/303/)



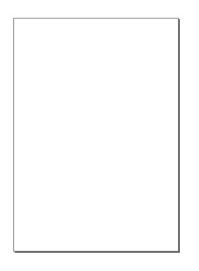
1. Select "Import" from the File menu

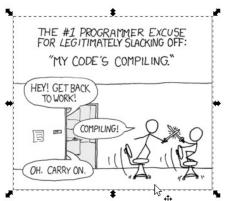


2. Select a PNG image to import, and then click "Open"

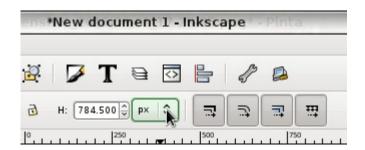


3. Check that the settings are as shown, and then click "OK"

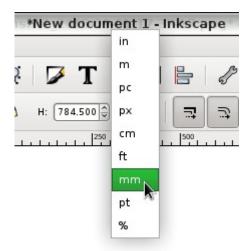




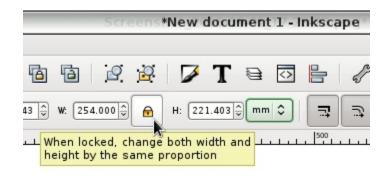
4. Click to select the imported image



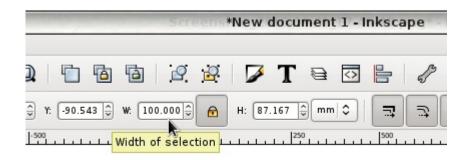
5. Click on the Units drop-down list



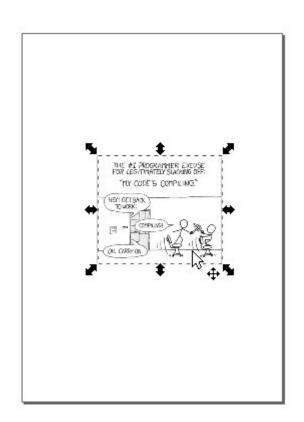
6. Select your desired units from the list



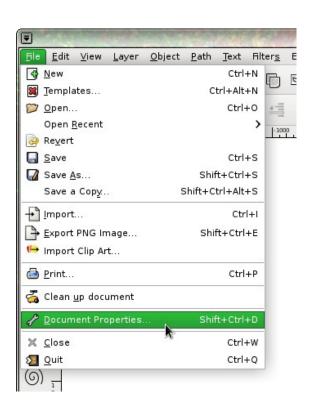
7. Click the Lock icon to lock the image aspect ratio



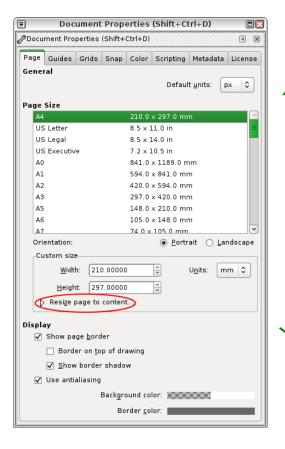
8. Change the Width W or the Height H to the desired image width or height, and hit the Enter key



9. If not already there, drag and drop the resized image onto the page outline

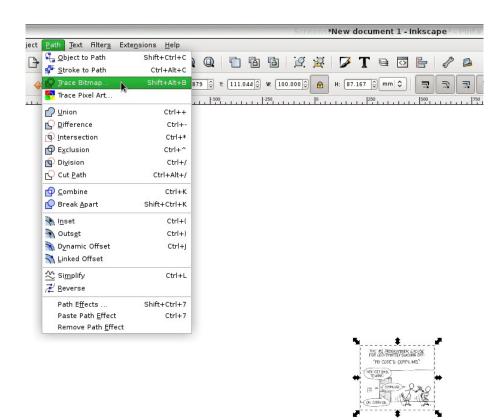


10. Select "Document Properties" from the File menu

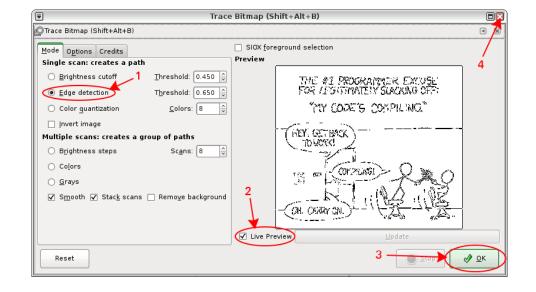


11. Click where indicated to resize the page, and then close the "Document Properties" window



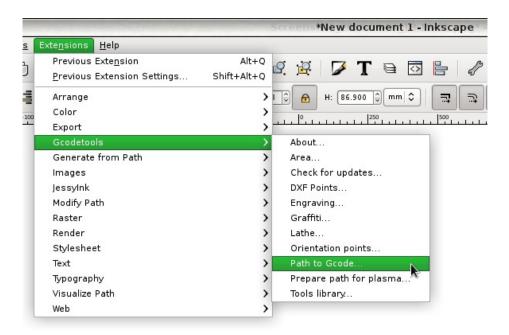


12. With the image selected, select "Trace Bitmap" from the Path menu

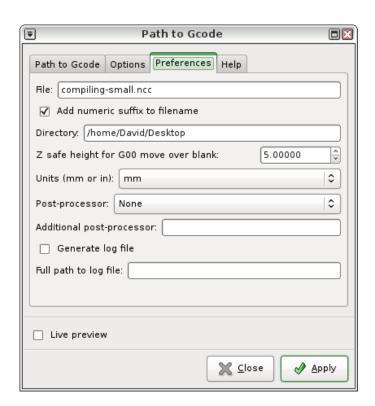


13. Make sure 1 and 2 are set as shown, then click 3, and then 4.

IMPORTANT: After clicking 3, the OK button may be grayed while the Stop button is active. Wait until the OK button is active again before continuing to 4.

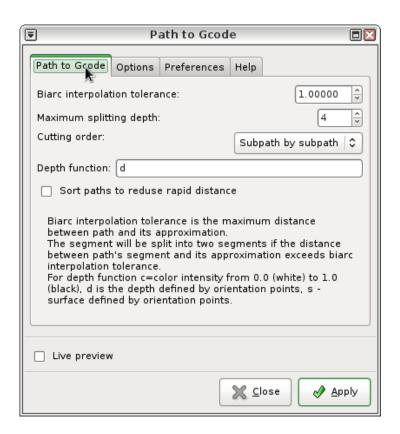


14. Select
"Gcodetools > Path to
Gcode..." from the
Extensions menu

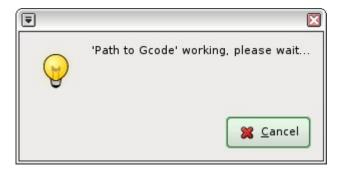


15. On the Preferences tab, type a File name with suitable extension (such as .nc or .ncc) and, if necessary, a Directory where the file will be stored.

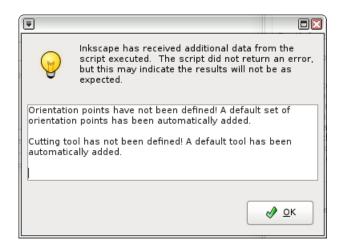
Note: The directory shown is in Unix/Linux file format. For Windows, the directory should include the storage drive and backslash separators (e.g. C:\Users\Default\Desktop)



16. Click to the "Path to Gcode" tab, and then click "Apply"

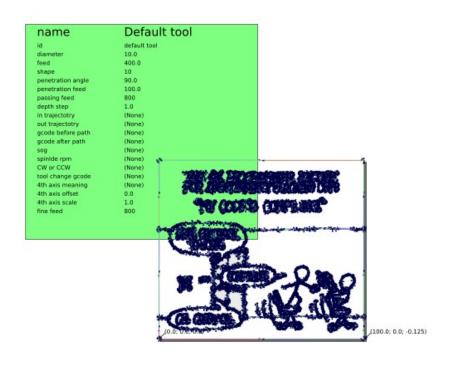


17. Wait. It can take a while for it to compile the Path into Gcode, so you can legitimately slack off while you wait.



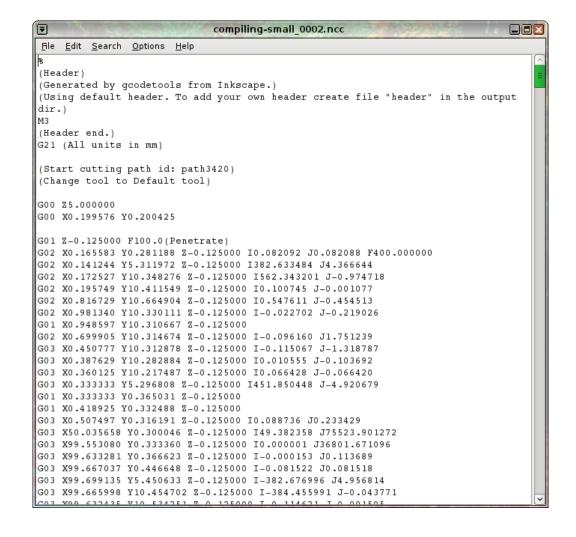
18. During the wait, a messagebox may pop up with additional information. If no error information is included, then all is well. Click OK to dismiss the box.

Continue waiting until the box from Step 17 disappears.
Once again, this may take a while.



19. When all is done, there should be the image with added orientation points and a descriptive box.

If the "Path to Gcode" box is still open, it can now be closed.



20. The Gcode file should be in the directory specified on the "Path to Gcode" Preferences tab. If desired, this file can be opened in a text editor (such as Notepad) to verify that the Gcode has been generated.