Hi Andrew,

Still working with and on CAM HPGL for the HP7580 pen plotter.

I have added a penplotter test drawing, that might be used for testing en callibrating plotter and pens. You may add it to the Examples-directory.

QCAD has a lot of trouble creating toolpaths and exports. Much too often it shuts itself down, or gets stalled. Why? I am not sure.

Recreating the same error is not possible. On a small drawing QCAD works fine. However, creating plottertest.plt seems impossible. Time after time QCAD slows down first and then stalls. Even on an Ubuntu-system one has to 'Power switch Reset' to gain access to the PC again.

I have created the current Plottertest-toolpaths by Saving the drawing after each toolpath creation. All in all it took 9 (!) times a 'Power switch Reset.'

The fastest way to get QCAD locked is by using the (In)visible icons of the CAM Toolpath list; almost instantly QCAD becomes slow, slower, slowest, stalled. Then in Profile 10, then in Profile 13, then in Profile 4, ... No way of recreating the same error.

A Regenerate all at CAM Export is off limits. The added plottertest.plt is the latest CAM Export. CAM export itself seems working fine.

It appears to me, the path-generator regularly gets lost in a closed loop. I am wondering whether this is a decimal-rounding issue (plus or minus zero?), or is a processed entity processed over and over again? Or -more likely by its mouse behavior-, QCAD gets trapped in an event loop. Too often QCAD fades out and CPU usage runs up to 50% and won't come back again. Only a hard power switch reboot (Ubuntu!) seems to be the solution.

It would be nice to say goodby to the 'Power Reset'-solution.

Add: frmwrk6