## **3D Printer notes**

Resonance Measurement configure  $\rightarrow$  other settings  $\rightarrow$  Advanced options  $\rightarrow$  Measuring Resonances Select printer (moving print bed or static print bed) connect sensor to sonic pad Connect sensor to print head via bracket Test takes about 3 minutes detach sensor from print head and connect to print bed sonic pad will reboot

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disable slicer acceleration control (cura etc)

klipper added input\_shaper section in printer.cfg

# [resonance\_tester] # accel\_chip: adxl345 # accel\_per\_hz: 70 # probe\_points: # 117.5,117.5,10

[input\_shaper] #shaper\_type\_x = mzv #shaper\_freq\_x = 56.4 #shaper\_type\_y = mzv #shaper\_freq\_y = 36.2

Pressure Advance https://www.youtube.com/watch?v=JDis2X-QNZU

I print everything at around 100mm/s and 3000mm/s accel

How To Tune Pressure Advance With Your Sonic Pad - Sonic Pad Intermediate Part 6 https://www.youtube.com/watch?v=JDis2X-QNZU

https://moonraker.readthedocs.io/en/latest/configuration/#secrets

Cura & Klipper: How to Make Them Work Together https://all3dp.com/2/cura-klipper-tutorial/

https://docs.fluidd.xyz/features/cameras

chmod 777 /opt/klipper/run/ docker compose -f docker-klipper.yml up -d docker exec -ti klipper /bin/bash

Determine if your printer has Z\_HOMING\_HEIGHT set.

This setting raises the Z-axis on any homing event to avoid collisions. You can check your printer firmware configuration or in a resting state issue the command G28 X0 Y0 in the command terminal and observe if the Zaxis is raised, and by how much. This value is used for Z\_HOMING\_HEIGHT.

The Save Frequency setting determines how often the plugin will write the current state information to disk in seconds. Lower values (0.3-0.5) provide greater accuracy at the expense of a greater number of disk writes. Larger values risk missing a greater number of commands.

Klipper firmware. You must have the [force\_move] section with the enable\_force\_move=true option in your Klipper configuration. Check the appropriate box in the settings. If [safe\_z\_home] is set, use the z\_hop value as Z\_HOMING\_HEIGHT.

For other setting information, visit the plugin homepage.

# printer.cfg

[delayed\_gcode delayed\_printer\_off] initial\_duration: 0. gcode:

```
{% if printer.idle_timeout.state == "Idle" %}
POWER_OFF_PRINTER
{% endif %}
```

[idle\_timeout] gcode:

M84

TURN\_OFF\_HEATERS UPDATE\_DELAYED\_GCODE ID=delayed\_printer\_off DURATION=60

From: http://wuff.dyndns.org/ - **Wulf's Various Things** 

Permanent link: http://wuff.dyndns.org/doku.php?id=3dprinter:notes

Last update: 2024/03/04 21:36

