One feature is Linear Advance for the extruder. Holy smacaroni the difference! No more fiddling with coasting, no more combing, no more changing the retraction by 0,1mm!

I have no idea how it works yet just that it works like a charm and if you have a board that has support for it you should try it! From my limited reading I've concluded that it changes the way the extruder moves relative to the speed of the bed/X-gondola.

By enabling this I almost immediately got square corners and a huge decrease in blobs from retraction. Also it enables shorter retraction distances.

So I think this requires Marlin but I didn't look around a lot.

Here's how to do it:

1. Compile new Marlin firmware where"#define LIN\_ADVANCE" is uncommented
2. Flash printer woho
3. Make sure your printer is adjusted and that the bed is level
4. (If you have ABL) Run ABL and calibrate P-Offset
5. Make sure your printer can print the first layer without problems. **This is veeeery important!**
6. (optional) Do a PID-autotune
7. Go to: [Lin Advance Gcode Generator](https://marlinfw.org/tools/lin_advance/k-factor.html) and enter all of your values!
8. Generate G-code and run it on the printer
9. Look at the lines (the best one is the one that's the smoothest at the end and doesn't break)

If compiling is scratches your itch:

1. Enter the K-value (i.e 0.8) into the Marlin config (Under "#Define LIN\_ADVANCE" in config\_adv.h)
2. Flash printer woho

If you just want to enter it into the printer without reflash:

1. Send g-code "M900 K{K-value}" in software or terminal in printer
2. Save with "M500"

Boom! All done! Now you have Linear Advance. If your results aren't satisfactory just tweak the K-value a bit (0.1 intervals) or redo the steps above! Nothing wrong with leveling your bed ten times in an hour... Right..?

I've always had a tough time with all of the retraction settings but this just threw all of them out the window and said "ENOUGH!" and went on with its day pooping out filament perfectly.