



Printable Fractal #5



iterate

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Summary

A printable 3D rendering of a "mandelbulb" style fractal

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A 3D-printable “**mandelbulb**” fractal. I recommend printing it at as low a layer-height as possible. Supports might be helpful, depending on the scale of your print, up to the middle of the lowest set of dome shapes. There are several ways to print this. You can print the entire model using rafts, or you can slice off the bottom of the model (easily done with PrusaSlicer's excellent “cut” feature) to start with a flat surface (and use a brim if you tend to have adhesion issues). Unfortunately, the file is very large and will take some time to load / generate g-code for (assuming you have enough RAM). Your slicer will likely indicate several errors. It will print fine without fixing the errors.

I've had the best results printing with a small (0.15-0.25mm nozzle at a 0.05-0.07mm layer height. You can get away with very little infill. For the print in the pictures, I used Fillamentum “Wizard's Voodoo” PLA Extrafill.

You can find the raw (straight out of my fractal rendering software) .OBJ version of the model [here](#). Someone with more experience with 3D

modelling than me might be able to reduce the file size without compromising quality. Others might be interested in smoothing out some of the detail to make this easier to print using a more standard nozzle size. I just ask that you please use attribution and retain the same license when sharing any derivations of this fractal. Thanks!

Model files

bulb6_stacked.stl

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