



Parametric Magnet Orientation Tool



LitRitt

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Summary

Tool for finding the orientation of magnets. Modeled in OpenSCAD. Parametric for use with other diameters and heights.

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Tags: [parametric](#) [magnet](#) [openscad](#) [orientation](#)

This is a tool for checking the orientation of small hobby magnets before permanently gluing them into place. It was modeled in OpenSCAD and is parametric so you can easily create models for different diameters and heights of magnets.

Print Method 1

Use a filament change halfway through to achieve the color change. I used tree/natural supports for the bottom hole and they printed fine.

Print Method 2

Split the model by dropping it halfway below the build plate. Repeat with another copy but flip it upside down. Print each half in separate colors then glue them together.

Model files

magnet-orientation.scad

📄 Parametric model for OpenSCAD



magnet-orientation-5x2.stl

📄 5mm diameter 2mm tall magnets



magnet-orientation-4x2.stl

📄 4mm diameter 2mm tall magnets



magnet-orientation-3x1.stl

📄 3mm diameter 1mm tall magnets

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