



Rob's Parametric Modular Object Riser / Stand / Support

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Summary

I needed some monitor stands to get my screens aligned, but I didn't want to waste lots of filament making big parts...

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Tags: [parametric](#) [modular](#) [openscad](#) [monitorstand](#)

I needed some monitor stands to get my screens aligned, but I didn't want to waste lots of filament making big parts and then finding I had mis-measured or had a printer malfunction. I looked at many designs on Thingiverse and my result is clearly similar to [lookitsz' Monitor Stand](#), but what I came up with is more like a set of blocks and bridges to link them together.

The STL files are really just examples unless you specifically need a stand to raise a Samsung SyncMaster S22B300 by 60mm. Instead the intent is to use the OpenSCAD modules and create your own set of linked blocks to make the support you need.

For example :

foot(notches=[1,1,1,1,1,1,1,1]); // create a foot with all eight slots (corners and sides) foot(notches=[0,0,0,0,1,1,1,1]); // create a foot with slots in all four corners foot(notches=[1,0,0,0,1,0,0,0]); // create a foot with slots in one corner and one side foot(notches=[0,0,1,0,0,1,0,0]); // create a foot with slots in a different corner and side

bridge(len=155-footX); //create a bridge to link two feet so the centers are 155mm apart. // (len is the distance between the foot sides) Thus the feet can be specified to go anywhere in a 2D grid, linked horizontally, vertically or diagonally to fit design requirements or printer limitations.

Category: Computer

Model files



ms1-bridge8.stl



ms1-bridge15_5.stl



ms1-foot60-corners.stl



ms1-foot60-rhs.stl



ms1-foot60-lhs.stl



ms1-bridge11.stl



ms1.scad



ms1-bridge11_2.stl

[Find source .stl files on Thingiverse.com](#)

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