OpenSCAD documentation

This OpenSCAD represents a Christmas tree that can be used as an Engduino stand.
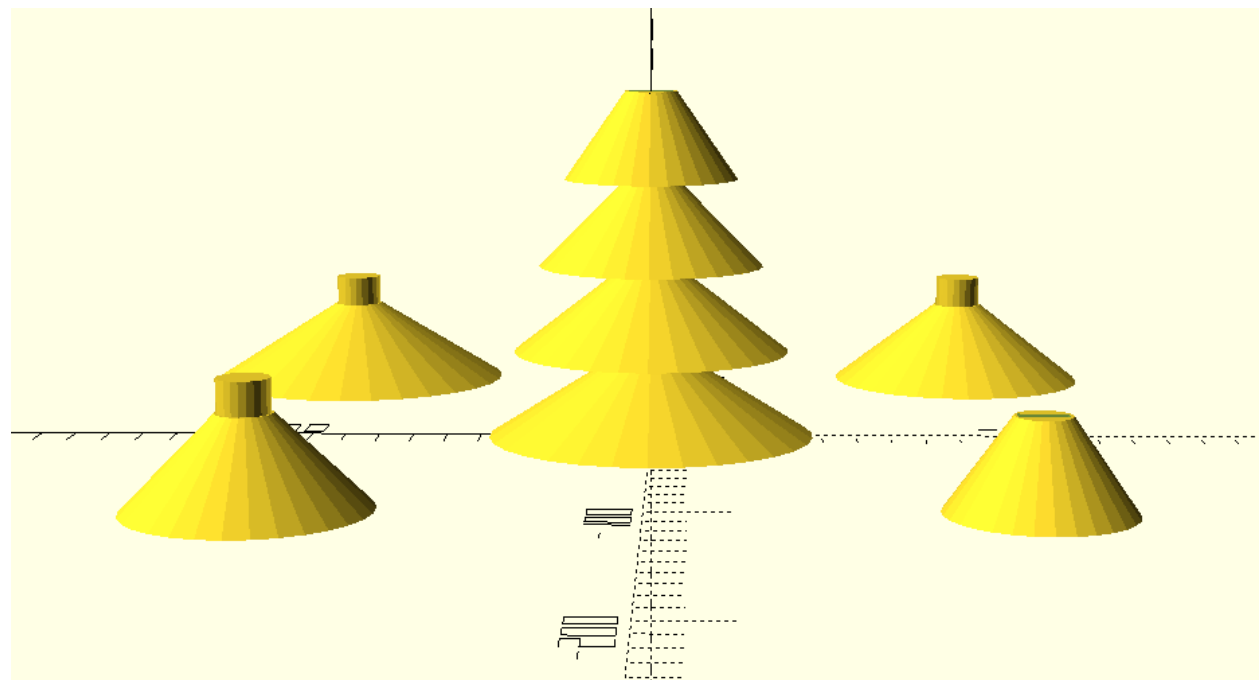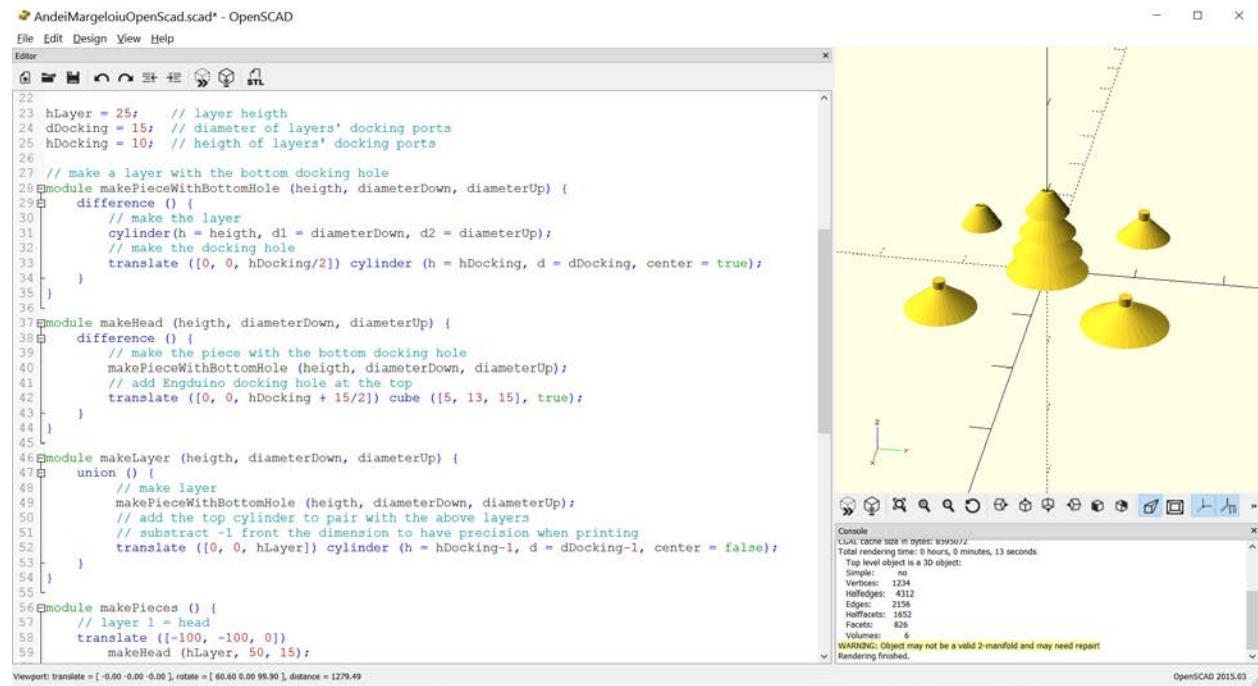
DESCRIPTION: There are 4 different layers that combined will result in a Christmas tree. Each layer has a docking hole at the bottom and a cylinder at the top to combine with the other layers. The head layer has a Engduino docking hole, so you can fit your Engduino with the USB. The bottom layer also has the bottom docking hole, in case you would want to print more layers in the future and add them

PRINTING INSTRUCTIONS: All 4 layers should be printed separately in order to combine them finally. There is a demo with the tree assembled in the middle, to see how it looks assembled. When printing the tree, just comment the function makeDemo() to hide the demo tree.
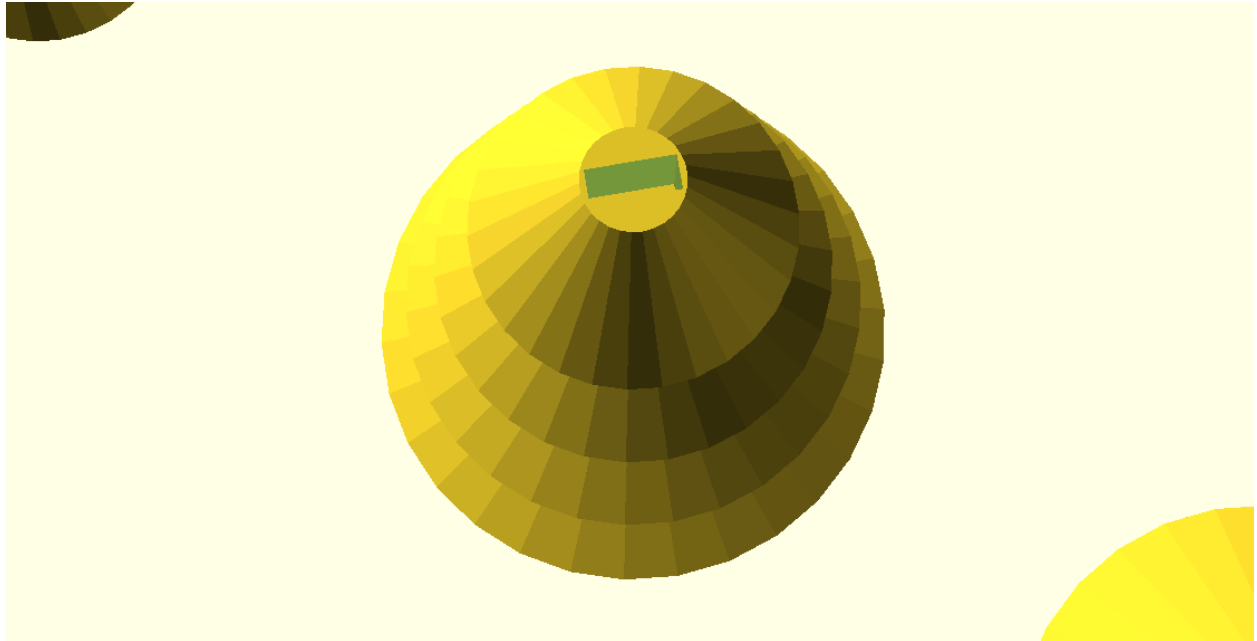
MODEL SPECIFICATIONS:

- total heigth = 100mm (25mm each layer)
- level (x) diameter = top diameter | bottom diameter
- level (1) diameter = 15 | 50
- level (2) diameter = 15 | 65
- level (3) diameter = 15 | 80
- level (4) diameter = 15 | 95

APPLICATION SCREENSHOTS:

Engduino docking slot

Docking holes to attach the layers