

Hello OpenSCAD

A quick-start guide by mathgrl

Files: bit.ly/294ASp1

Get It

- Download for free: www.openscad.org/downloads.html

Try This

- Type or copy this into the editing window on the left side of OpenSCAD:

```
difference(){  
    sphere(r=20);  
    cube([10,20,30]);  
}
```
- Press “F5” to compile and view the result in the right window
- Left-mouse-drag to rotate view, Right-mouse-drag to pan
- Experiment with changes to the code and press “F5” to recompile
- Prefix of “#” makes hole objects visible, prefix of “%” makes things transparent
- To export for 3D printing create an STL with “F6” and then File/Export as STL...

Learn OpenSCAD

- Short PolyBowls video tutorial: <https://www.youtube.com/watch?v=kn1aqnHF1RE>
- Jumpstart walkthrough: www.thingiverse.com/jumpstart/openscad
- Playlist of video tutorials from Patrick Conner:
www.youtube.com/playlist?list=PLDhWPyde5E_Rz7LghBXmnhhY9F8X7k503

Create a Customizer

- OpenSCAD code + special comments = Customizable model with sliders on Thingiverse
- Popular Customizers: <https://www.thingiverse.com/customizer>
- Click on “Open in Customizer” and then “View Source” to see the OpenSCAD code

References

- OpenSCAD User Manual: en.wikibooks.org/wiki/OpenSCAD_User_Manual
- OpenSCAD Cheat Sheet: www.openscad.org/cheatsheet/
- OpenSCAD on Jumpstart: www.thingiverse.com/jumpstart/openscad
- Customizer documentation: customizer.makerbot.com/docs
- For hard questions, ask the OpenSCAD Group: www.thingiverse.com/groups/openscad