



YOUIMAGINE

FreeCAD Design of the Base of My "Refrigerator Rover" Model.

By: (gzumwalt)

License: Commercial use is not allowed nor can you remix or change this work & you have to attribute the creator.

Published on: Oct 09, 2020

Located at: <http://www.youmagine.com/designs/freecad-design-of-the-base-of-my-refrigerator-rover-model>

Short description:

A video of my foray into FreeCAD.

Description:

https://youtu.be/Rw_KrmdXx4E FreeCAD can be used to design models for commercial and / or personal architecture, woodworking, machining, laser cutting, 3D printing projects and more. I created this video for the local business to which I provide free CAD / CAM consulting and for CAD / CAM enthusiast, friends and followers. The video illustrates the steps I took to design the most complicated 3D printed component of my "Refrigerator Rover" model, the "base". In designing the "Refrigerator Rover" using FreeCAD, I begin by creating a "Master Sketch", then created the base (and all other components for the model) from the master sketch. This allows me to adjust the dimensions of all components of the model by making simple changes to the master sketch. I'm still learning FreeCAD so I'm sure I've made quite a few "best practice" errors while designing the "Refrigerator Rover", so if there are any questions or comments, please feel free to ask! Designed using FreeCAD, sliced using Ultimaker Cura 4.7.0, and 3D printed in PLA on Ultimaker S5s.

If you can, please use the online documentation found at <http://www.youmagine.com/designs/freecad-design-of-the-base-of-my-refrigerator-rover-model> because those may have been updated. Also, there you can interact and provide praise and/or feedback.