



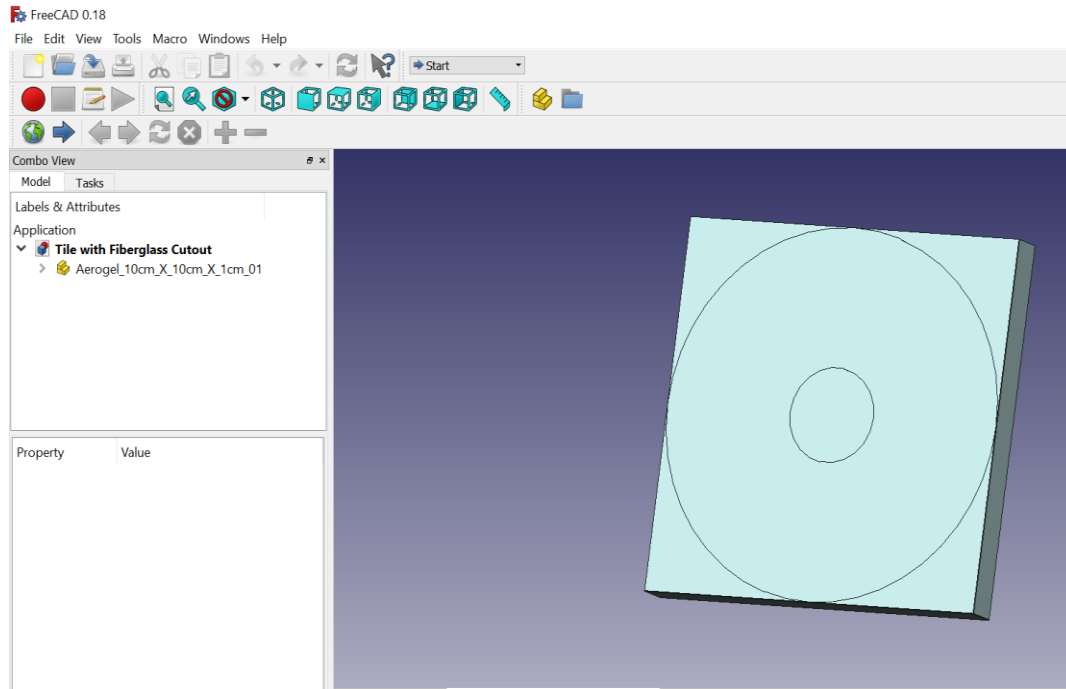
PROJECT UPDATE

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Overview

- Test the performance of the new aerogel material
 - Composed of aerogel and fiberglass.
- Testing different designs of fiberglass and aerogel affects their performance in the Cherenkov detector.
 - Accuracy/resolution of the detector.

Status



- Read background research on the Cherenkov detector
- Tried working with the modeling software: FreeCAD
- Practiced using Github and coding with Jupyter.

Outlook

- Figure out how to use Python to determine the output of the Frank-Tamm equation.
 - Determine the intensity of radiation for fiberglass.
- Learn how to use the modeling software.