



Platonic Solids Variants



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Summary

A collection of Platonic solids variants made with OpenScad

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Tags: [parametric](#) [openscad](#) [polyhedron](#) [polyhedra](#)
[platonic solids](#) [platonic](#) [platonic solid](#)

This collection of Platonic Solids variants includes:

- Platonic Solids with the same Edge Length
- Platonic Solids with the same Total Area
- Platonic Solids with the same Volume
- Platonic Solids with the same Circumradius
- Platonic Solids with the same Midradius
- Platonic Solids with the same Inradius
- Dual Compounds
- Tetrahedral compounds
- Hexahedral compounds
- Golden Rectangle compounds
- Other compounds, including and omnipolyhedron

The attached OpenScad script includes many examples, and all the data that will allow you to easily create your own variants.

Model files



platonic_solids.stl

📄 All the variants at once!



platonic_solids.scad

📄 OpenScad Script

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