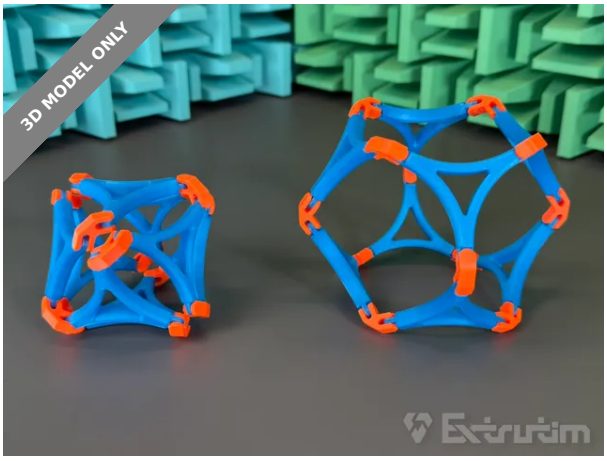
Printables by JOSEF PRUSA



Fidget Toy | Octahedron Expanding Into Cuboctahedron

Extrutim

VIEW IN BROWSER

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Summary

A cuboctahedron which can be formed into an octahedral shape by rotation.

Art & Design > Other Art & Designs

Tags: toy rotation geometric geometry fidget fidgettoy rotating cube hinge joint flex sphere transform geometrical fidgeting transforming octahedron hoberman cubic expand cuboctahedron extrutim expanding hobermansphere

I saw a video of this piece made of metal and wanted to have it too. So I tried to build it myself for the challenge. This is the result.

It's a cuboctahedron which can be formed into an octahedral shape by rotation.
The small joints are printed as aligned, the triangles need small supports on the outside.

You need 8 triangles and 12 joints.

Do a test print to check whether your supports are set up properly and the joint fits nicely.

Please leave a like if you enjoy my design. Also feel free to check out my other uploads.

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Thank you for your support! :)

Model files



8x_triangle.stl

Print with supports.



12x_joint.stl

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