



Star Polygons a.k.a. Polygrams



Slablaadje

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Summary

All star polygons from 5 to 13. Decorative use for anything! Use them, share them, put them in your PrusaSlicer gallery!

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Tags: [polygon](#) [star](#) [free](#) [decoration](#) [publicdomain](#)

What is it?

Star polygons or polygrams, from 5-pointed all the way to 13-pointed. And all its variations.

Notation of the stl files is in Schläfli notation (https://en.wikipedia.org/wiki/Schl%C3%A4fli_symbol) where {p/q} means p points in the star, and q means how many points you travel along the star points with each line. q = 1 means regular convex polygon as the value of 1 means you just traverse to all neighbors in order. They are not stars so I did not include them here :)

What is included is 2+. 2 means you skip one and travel to the next so you get a star-shape, as with 3 or 4:

https://en.wikipedia.org/wiki/Regular_polygon#Regular_star_polygons

Most known star shape is probably $\{5/2\}$ or $\{6/2\}$, both available, but also $\{13,6\}$ which is very pointy

Use!

Use them, share them, add them to your prusa slicer gallery! It's all public domain.

Model files



star_polygons_all.3mf



05-pentagram_52.stl



06-hexagram_62.stl



07-heptagram_72.stl



07-heptagram_73.stl



08-octagram_82.stl



08-octagram_83.stl



09-enneagram_92.stl



09-enneagram_93.stl



09-enneagram_94.stl



10-decagram_102.stl



10-decagram_103.stl



10-decagram_104.stl



11-hendecagram_112.stl



11-hendecagram_113.stl



11-hendecagram_114.stl



11-hendecagram_115.stl



12-dodecagram_122.stl



12-dodecagram_123.stl



12-dodecagram_124.stl



12-dodecagram_125.stl



13-tridecagram_132.stl



13-tridecagram_133.stl



13-tridecagram_134.stl



13-tridecagram_135.stl



13-tridecagram_136.stl

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