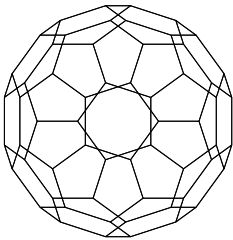


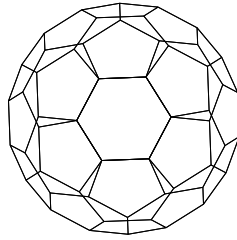
Sample Colouring Patterns

Here are some sample patterns which you can print out and colour in with crayon or felt tipped pen. They have been made from the RISCOS program “!PolySymm” mostly using the “wire” display so both front and back can be seen; both back and front coloured black. If you want to make more you can download !PolySymm from [our website](#). Also there is a page with [two planar nets](#) to cut out and make 3D models. These were made with “!PolyNet” - also on our website.

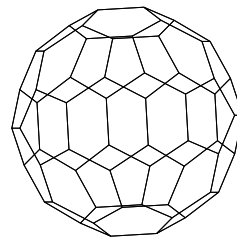
You can go to any of the patterns below by clicking on their coded name.



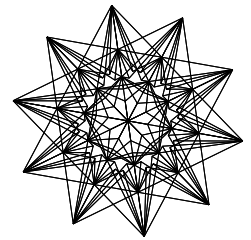
[C001](#)



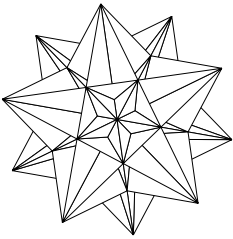
[C002](#)



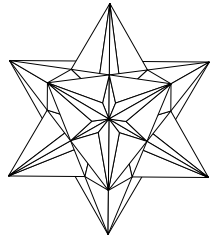
[C003](#)



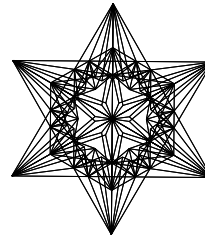
[C004](#)



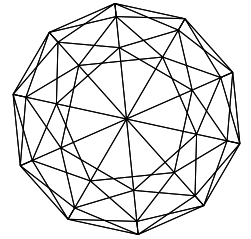
[C005](#)



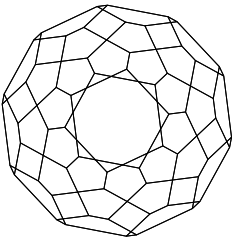
[C006](#)



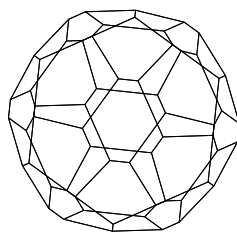
[C007](#)



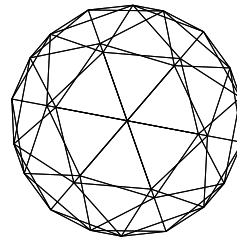
[C008](#)



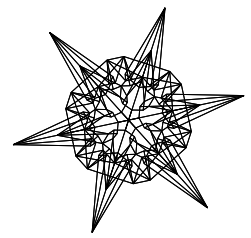
[C009](#)



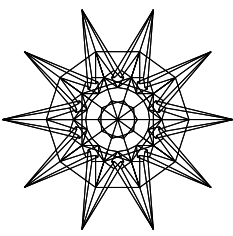
[C010](#)



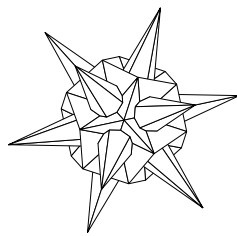
[C011](#)



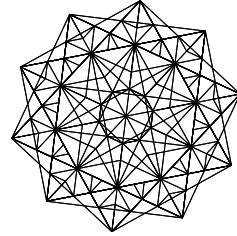
[C012](#)



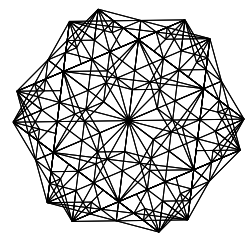
[C013](#)



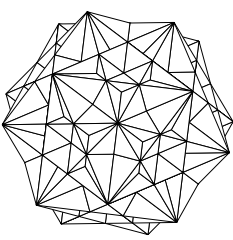
[C014](#)



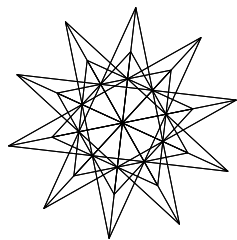
[C015](#)



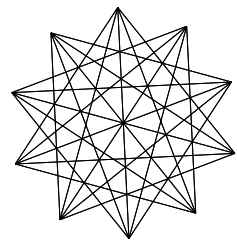
[C016](#)



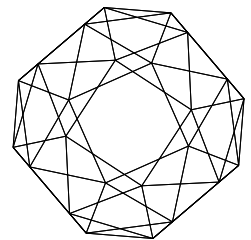
[C017](#)



[C018](#)

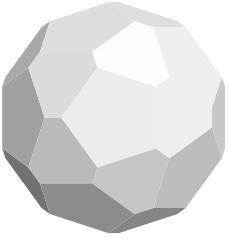


[C019](#)



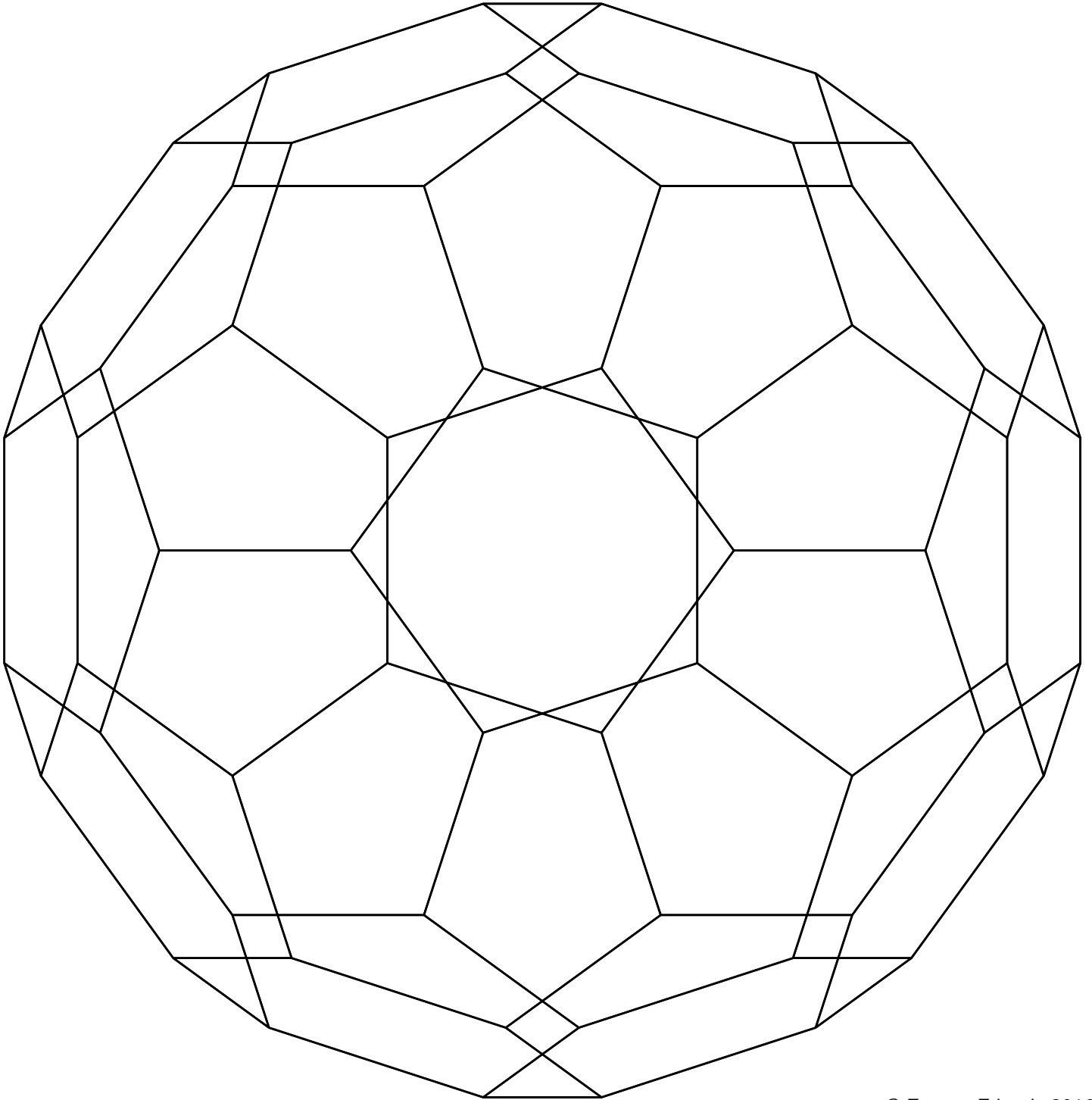
[C020](#)

Colouring Pattern (C001)

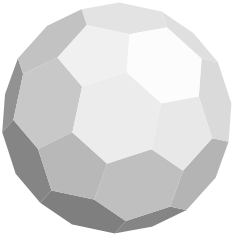


Name: truncated icosahedron
looking along a 5-fold symmetry

Dual: pentakis dodecahedron
60 vertices, 32 faces, 90 edges



Colouring Pattern (C002)

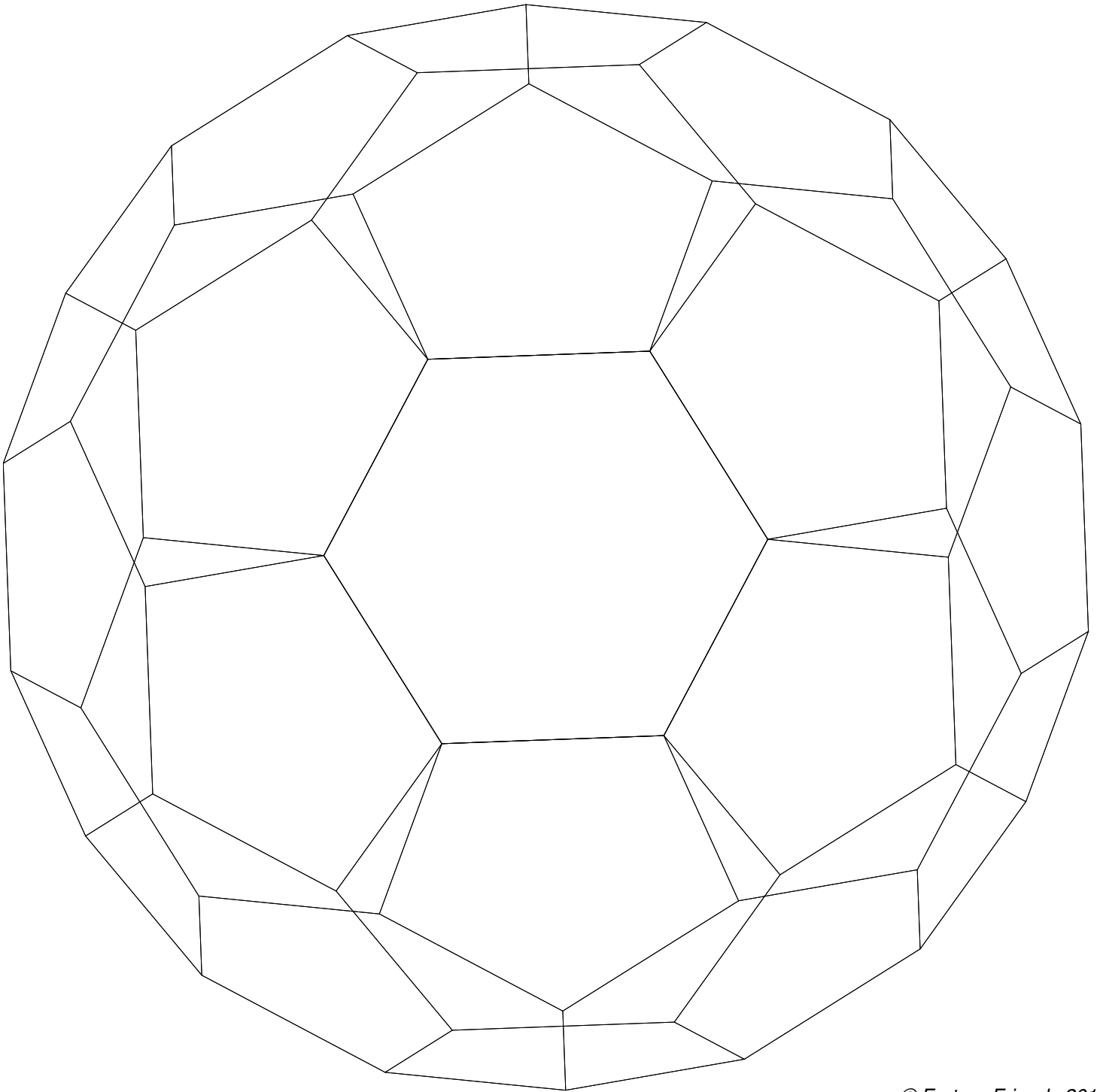


Name: truncated icosahedron

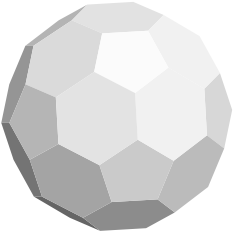
looking along a 3 fold symmetry

Dual: pentakis dodecahedron

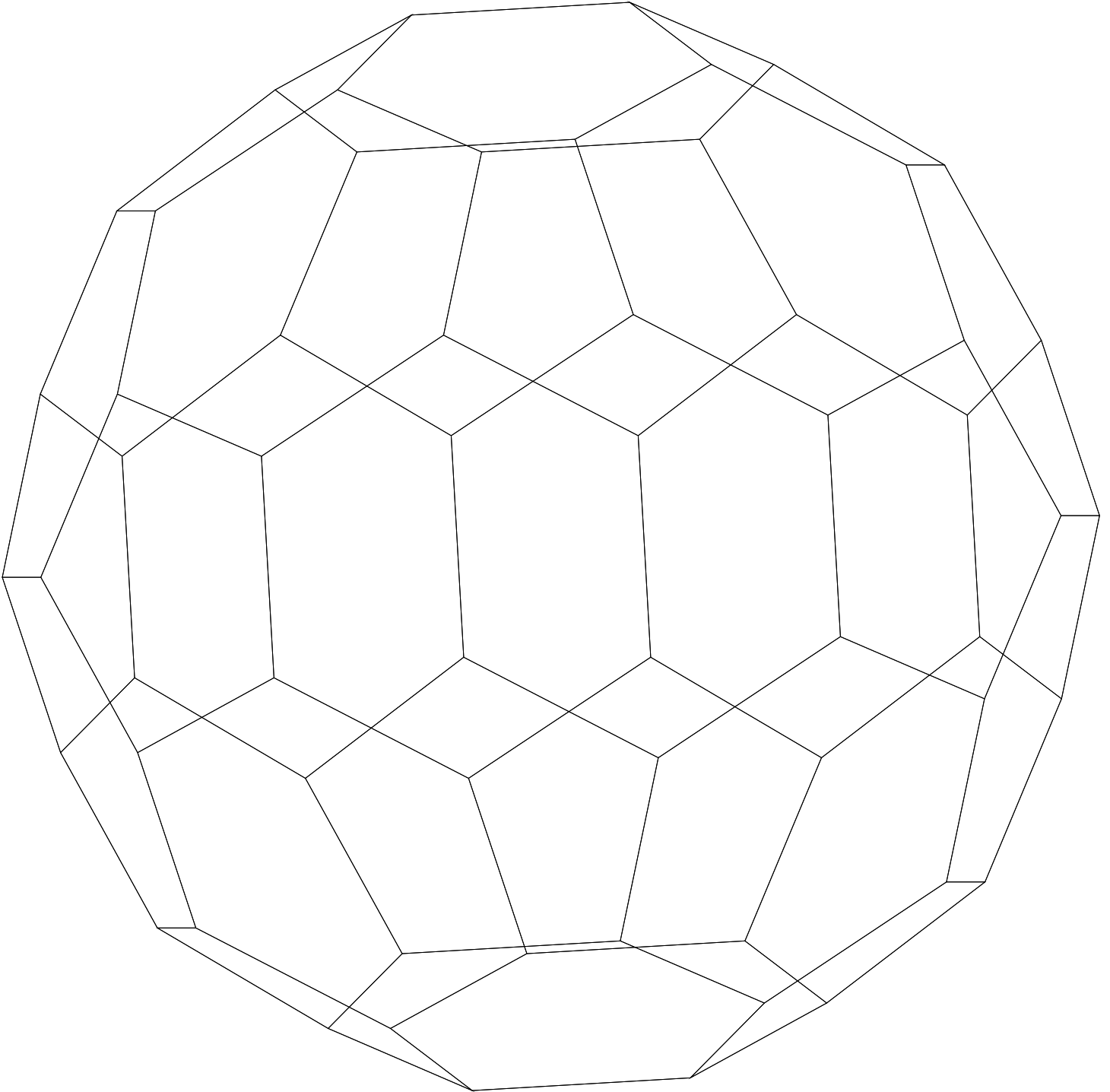
60 vertices, 32 faces, 90 edges



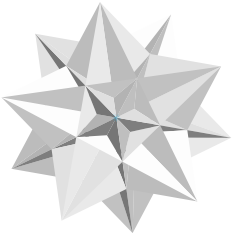
Colouring Pattern (C003)



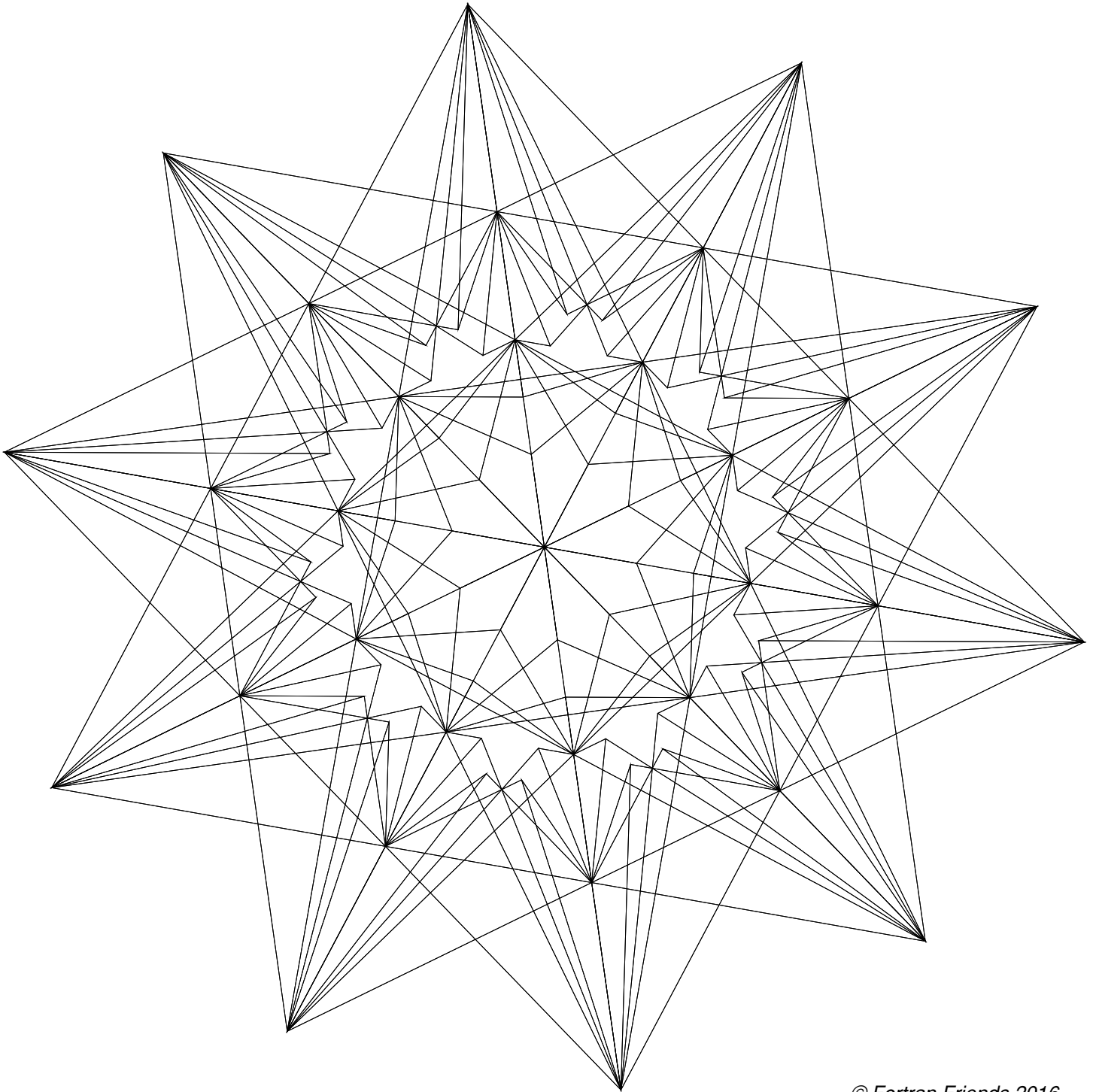
Name: truncated icosahedron
looking along a 2 fold symmetry
Dual: pentakis dodecahedron
60 vertices, 32 faces, 90 edges



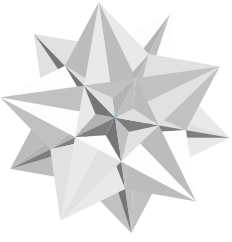
Colouring Pattern (C004)



Name: great icosahedron
looking along 5-fold symmetry
Alias: stellation of the icosahedron
92 vertices, 180 faces, 270 edges



Colouring Pattern (C005)

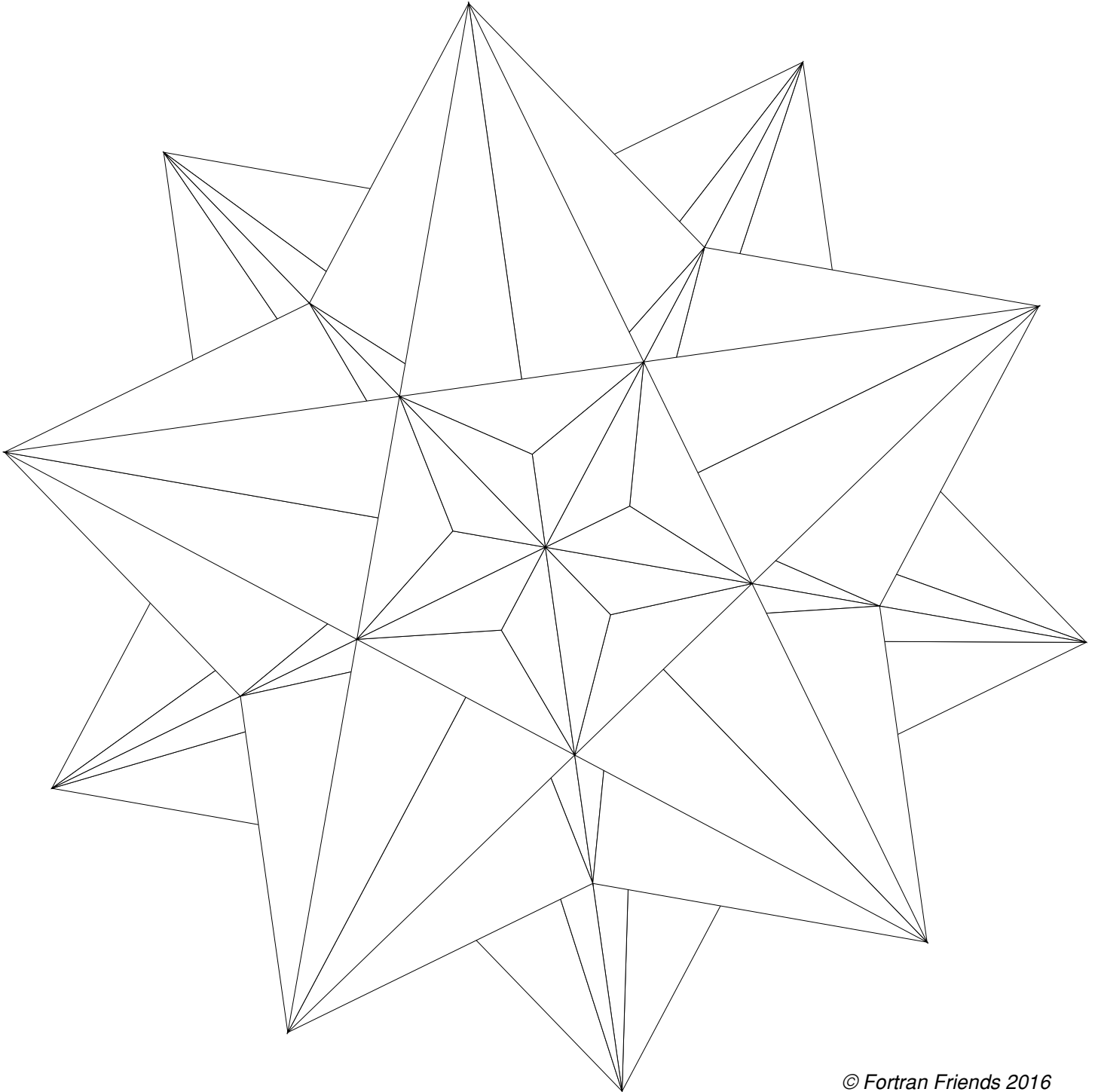


Name: great icosahedron

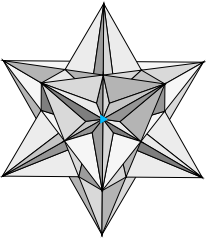
looking along 5-fold symmetry front only

Alias: stellation of the icosahedron

92 vertices, 180 faces, 270 edges



Colouring Pattern (C006)

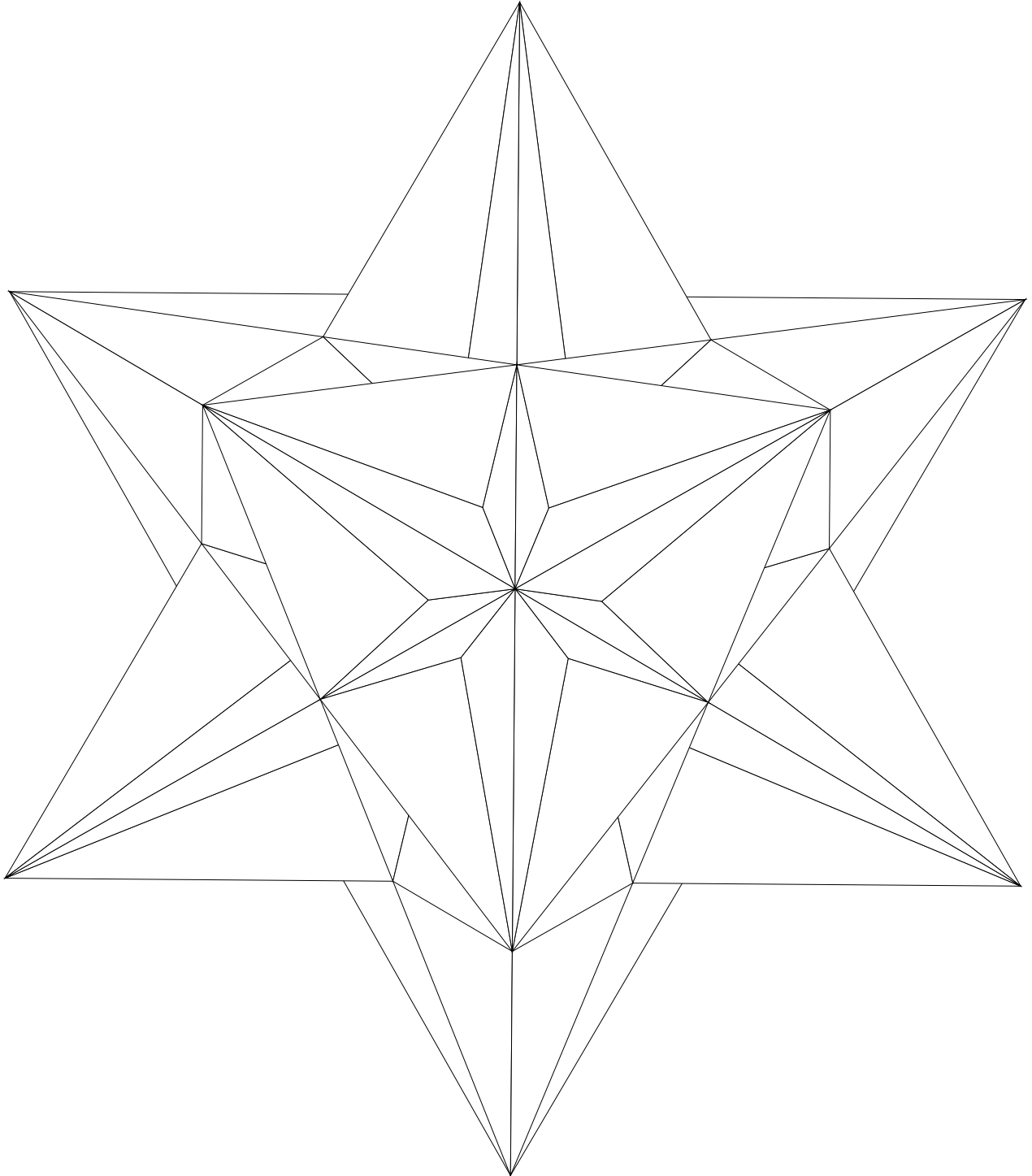


Name: great icosahedron

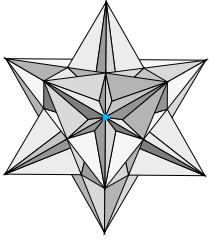
looking along 3-fold symmetry front only

Alias: stellation of the icosahedron

92 vertices, 180 faces, 270 edges



Colouring Pattern (C007)

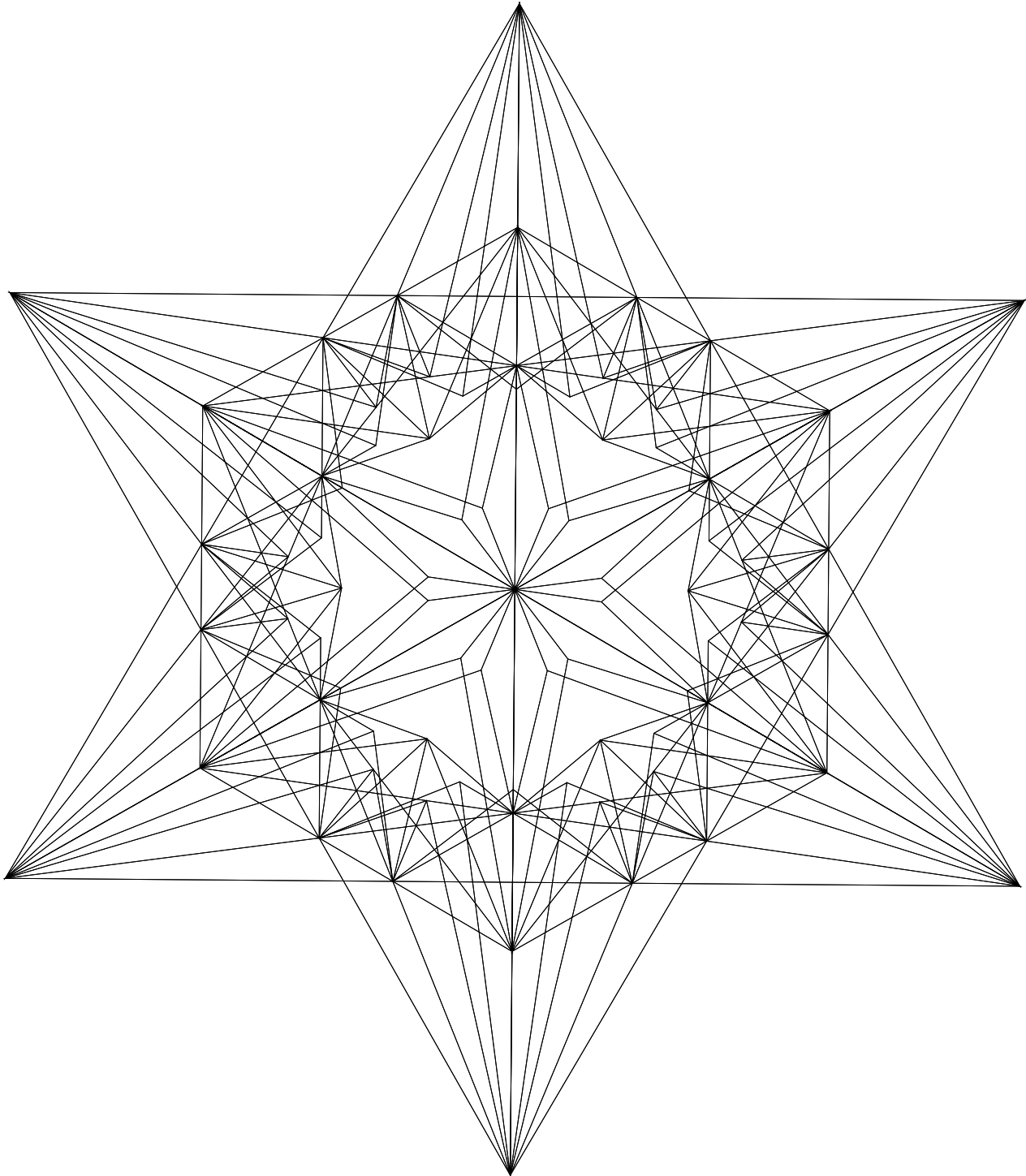


Name: great icosahedron

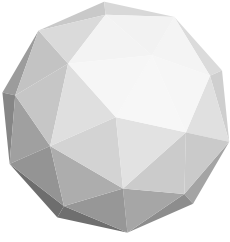
looking along 3-fold symmetry front and back

Alias: stellation of the icosahedron

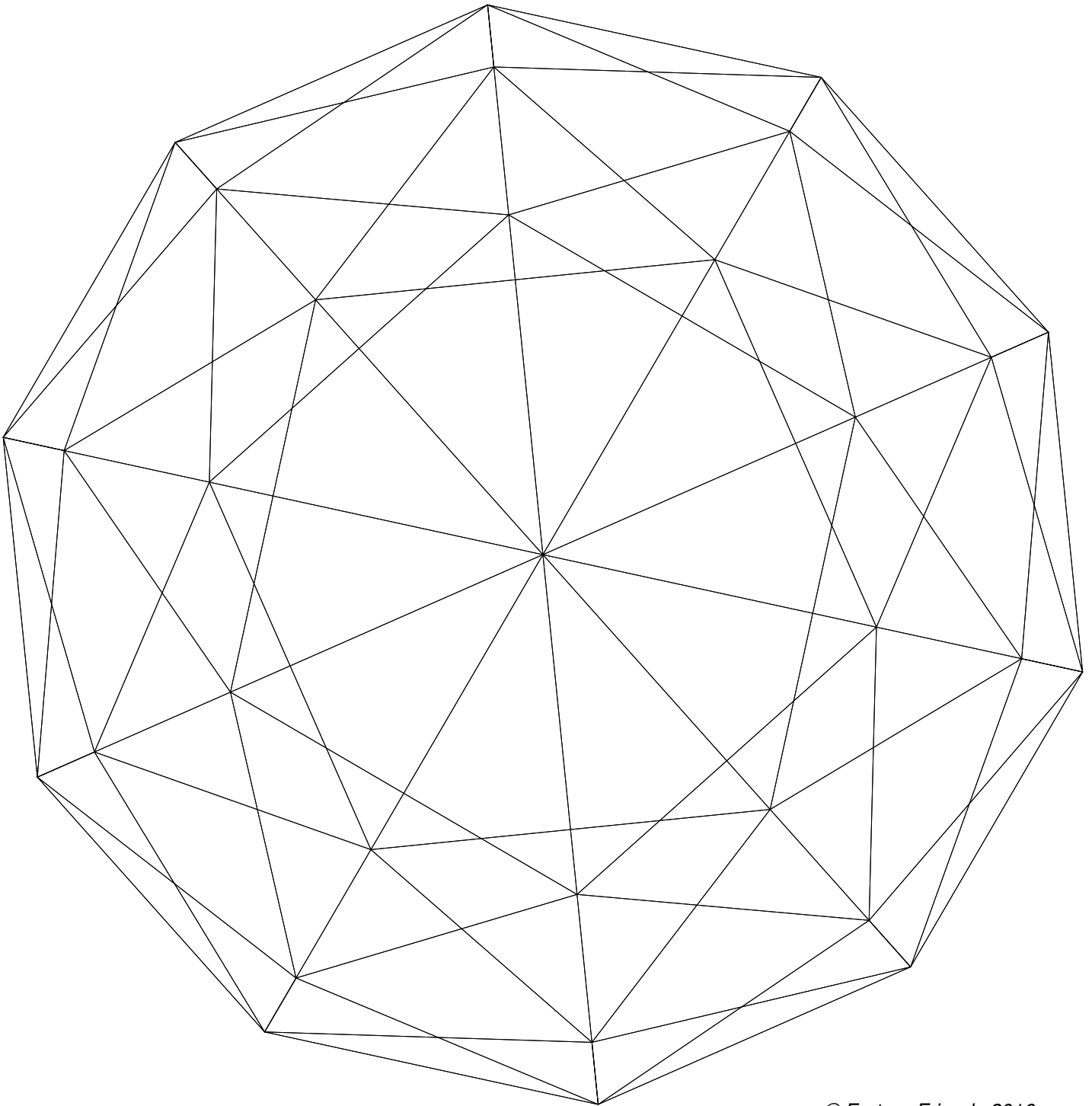
92 vertices, 180 faces, 270 edges



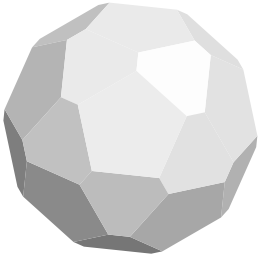
Colouring Pattern (C008)



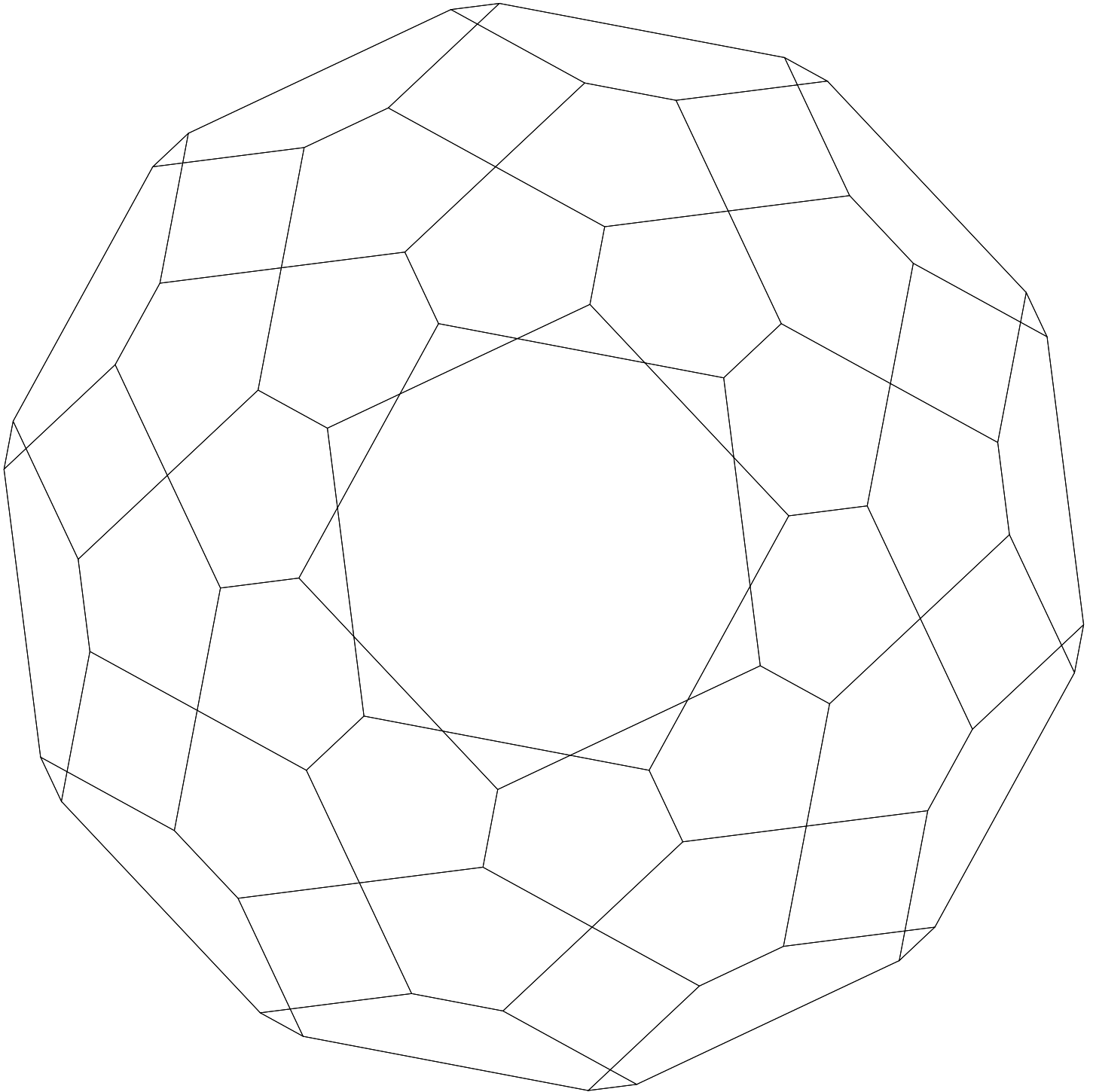
Name: pentakis dodecahedron
seen along a 5 fold axis of symmetry
Dual: truncated icosahedron
32 vertices, 60 faces, 90 edges



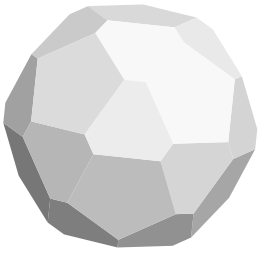
Colouring Pattern (C009)



Name: Truncated Icosahedron (not standard faces)
seen along a 5 fold axis of symmetry
60 vertices, 32 faces, 90 edges



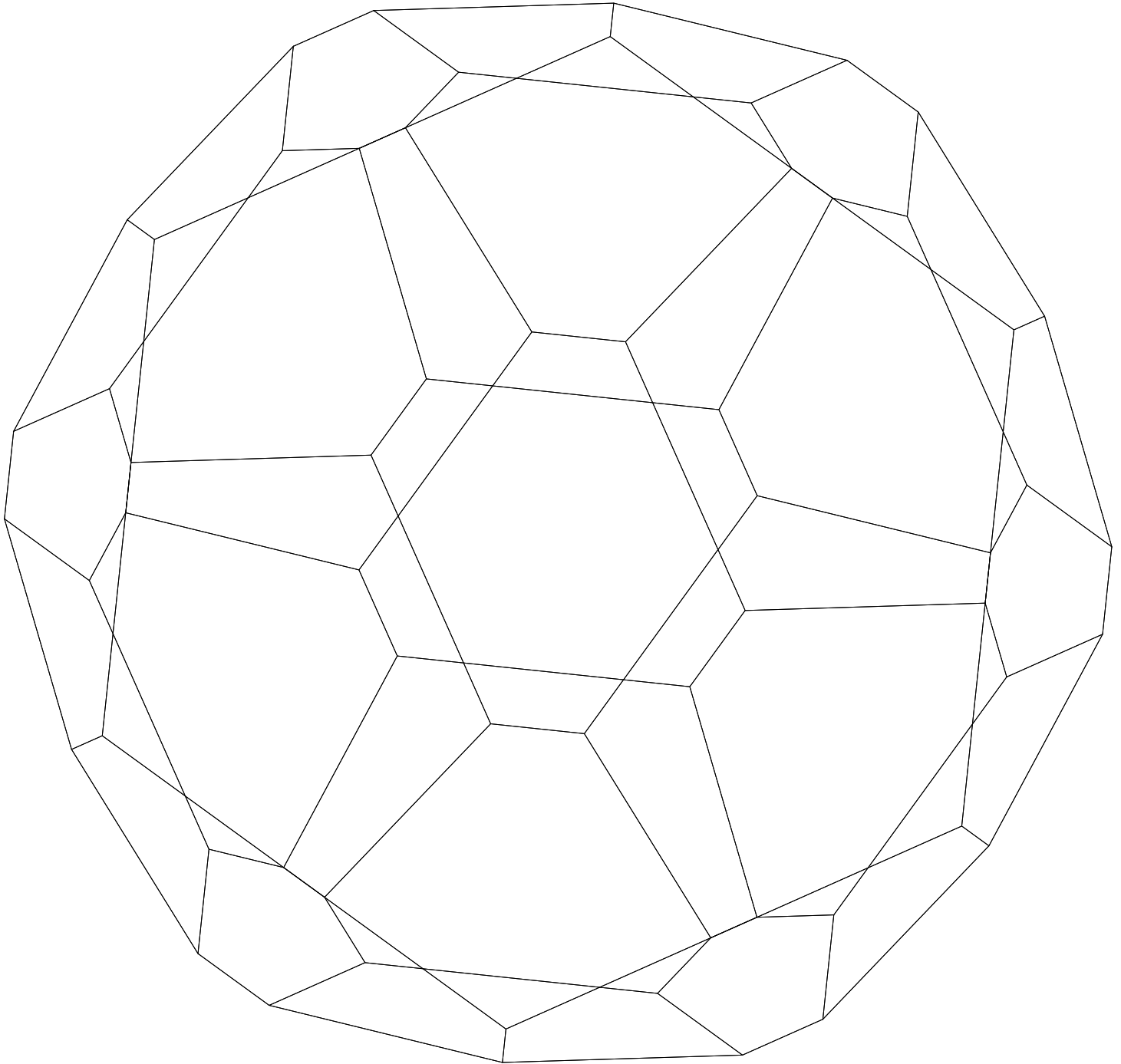
Colouring Pattern (C010)



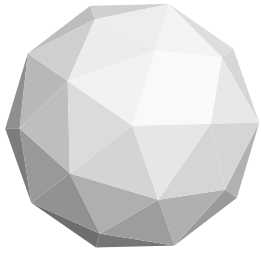
Name: Truncated Icosahedron (not standard faces)

seen along a 3 fold axis of symmetry

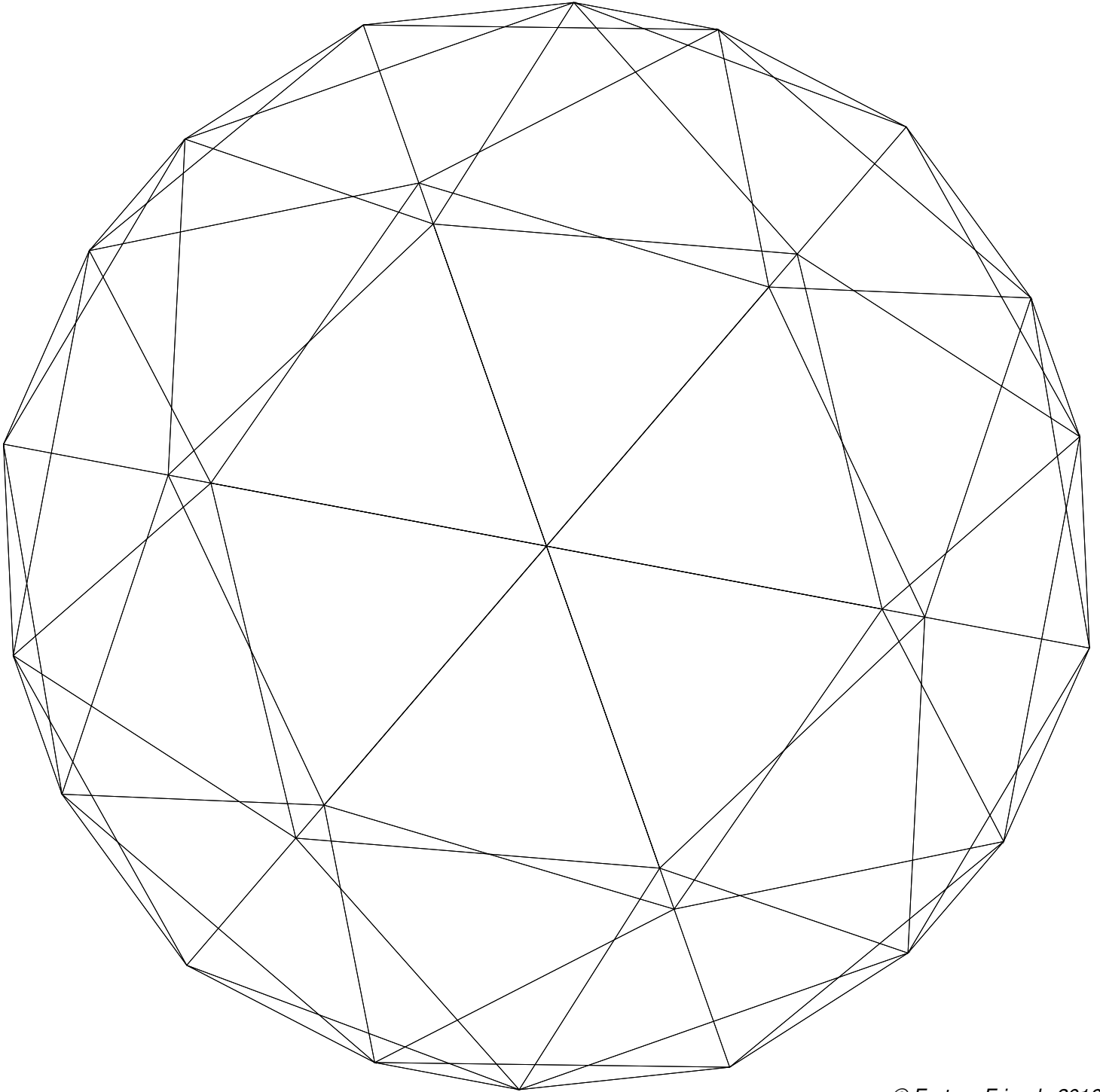
60 vertices, 32 faces, 90 edges



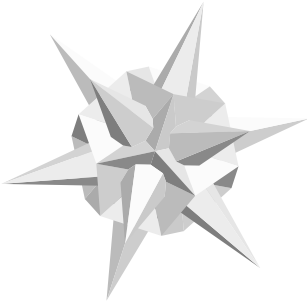
Colouring Pattern (C011)



Name: Truncated Icosahedron (not standard faces)
seen along a 5 fold axis of symmetry
60 vertices, 32 faces, 90 edges



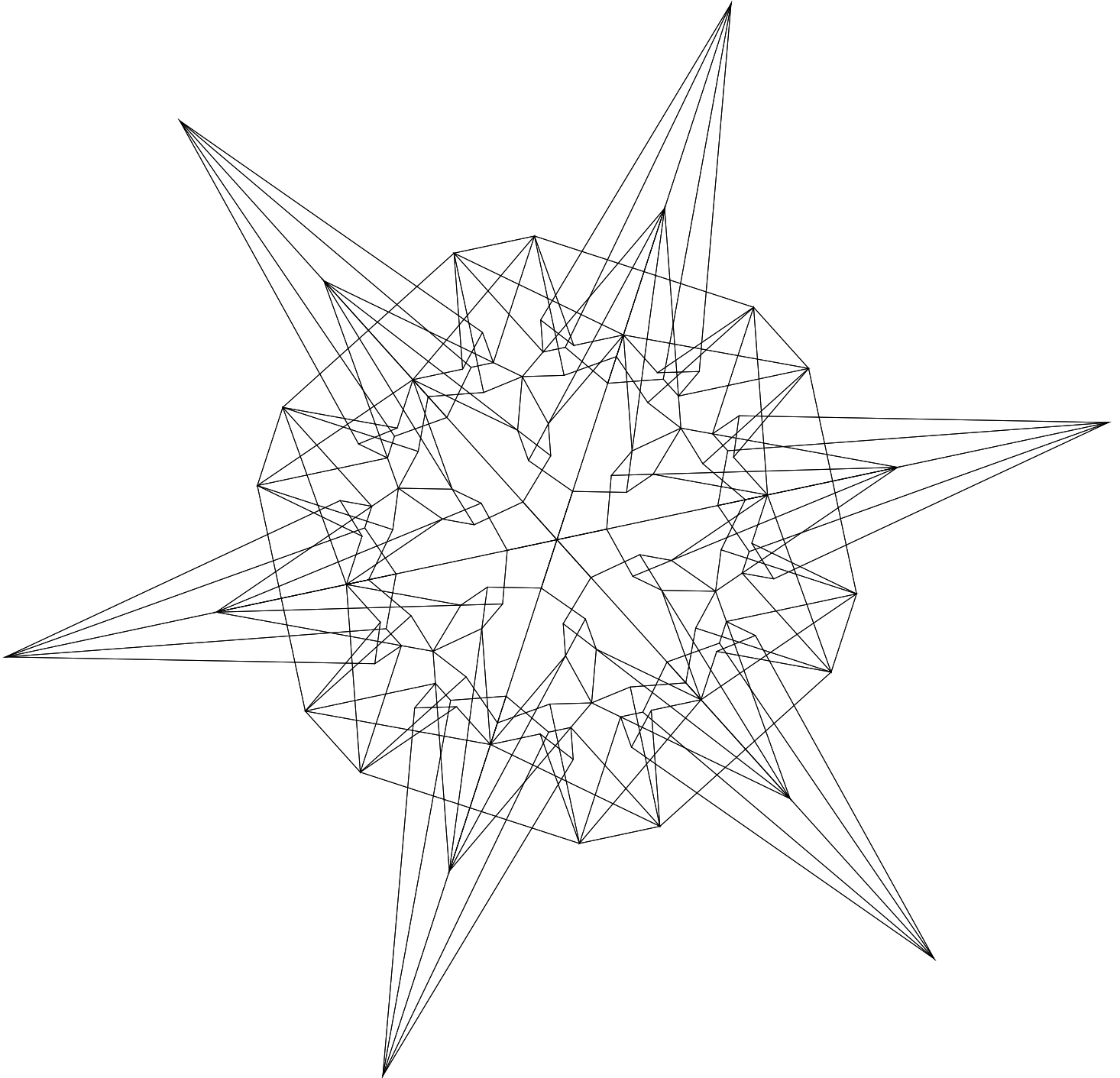
Colouring Pattern (C012)



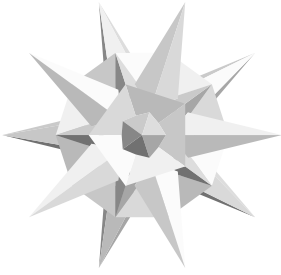
Name: stellation of Icosahedron 23

152 vertices, 120 faces, 270 edges

see along 3 fold symmetry



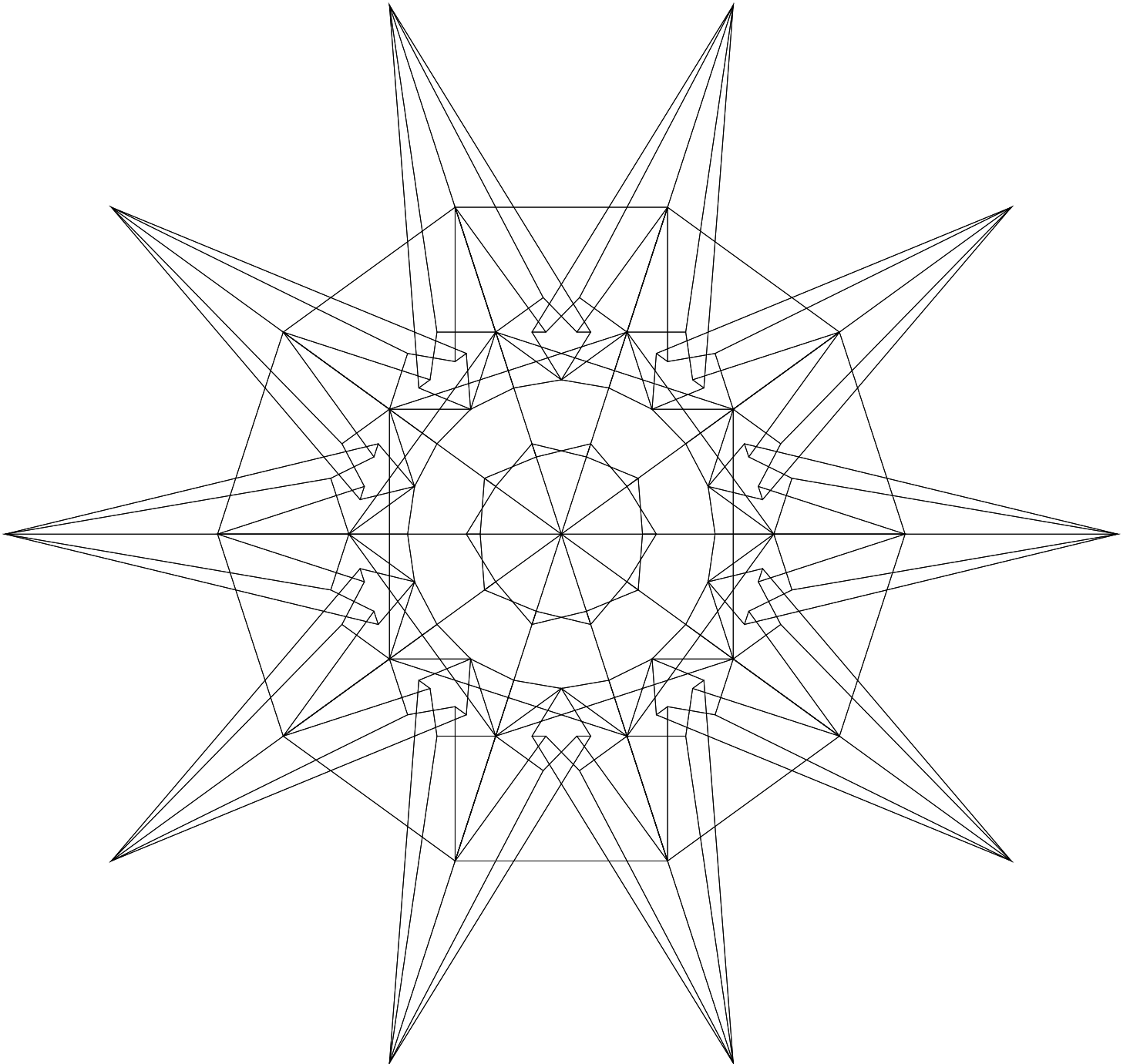
Colouring Pattern (C013)



Name: Icosahedron Fg1 (23) (W031)

seen along a 5-fold symmetry

152 vertices, 120 faces, 270 edges



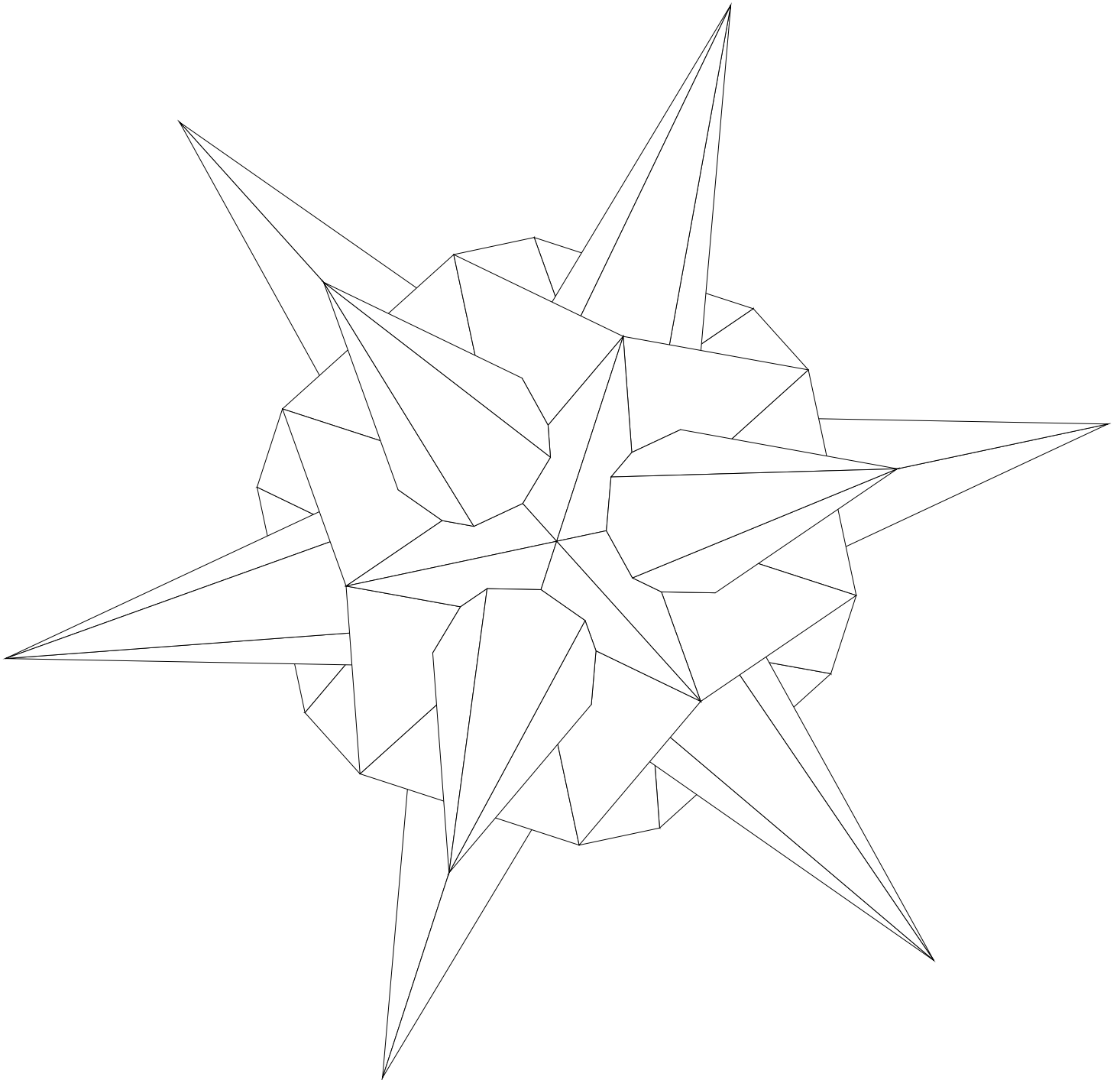
Colouring Pattern (C014)



Name: Icosahedron Fg1 (23) (W031)

seen along a 3-fold symmetry

152 vertices, 120 faces, 270 edges



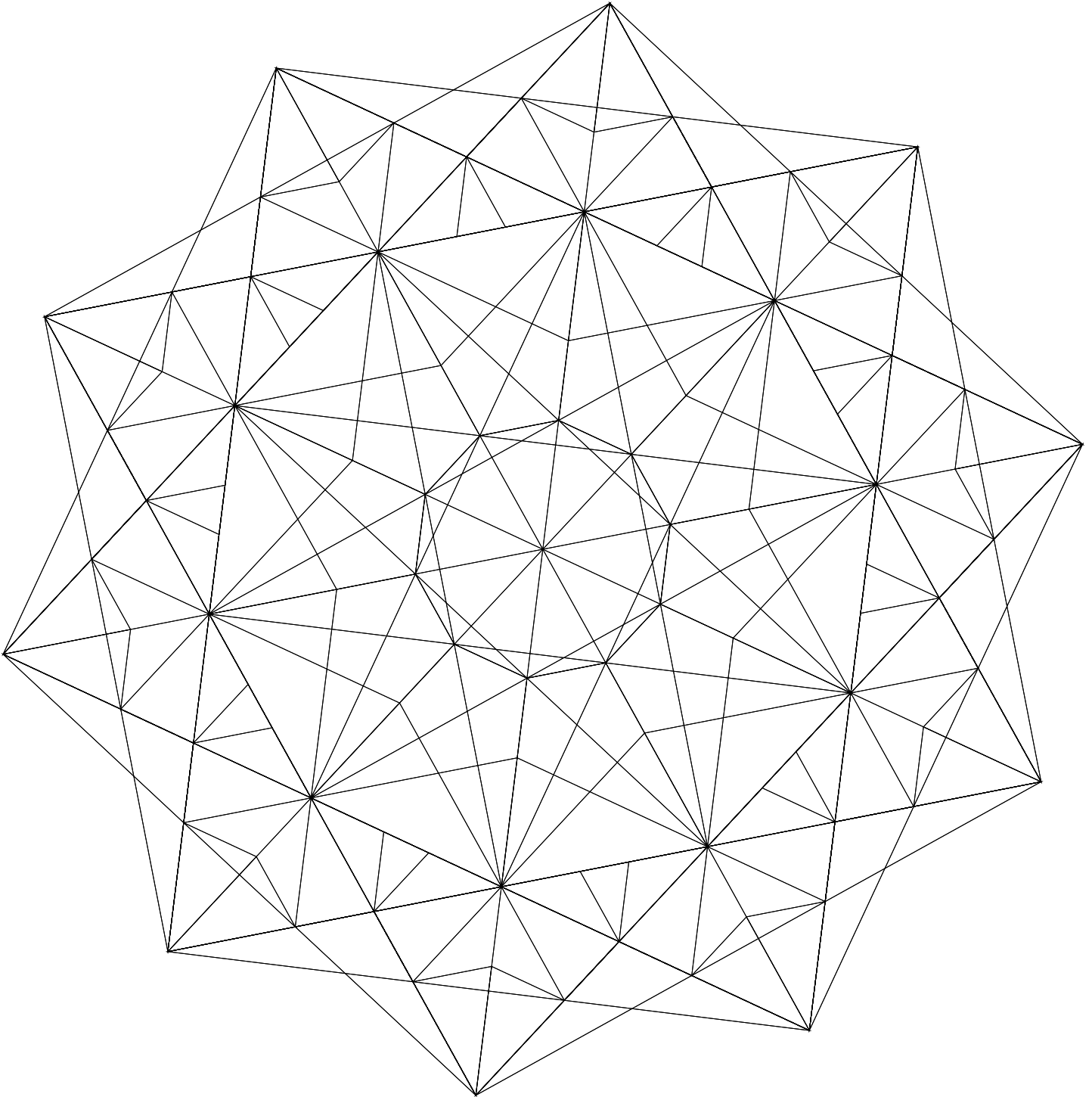
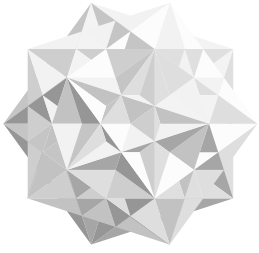
Colouring Pattern (C015)

Name: compound of five cubes

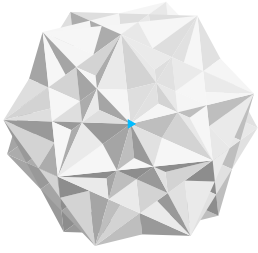
182 vertices, 360 faces, 540 edges

Alias: stellation of the rhombic triacontahedron

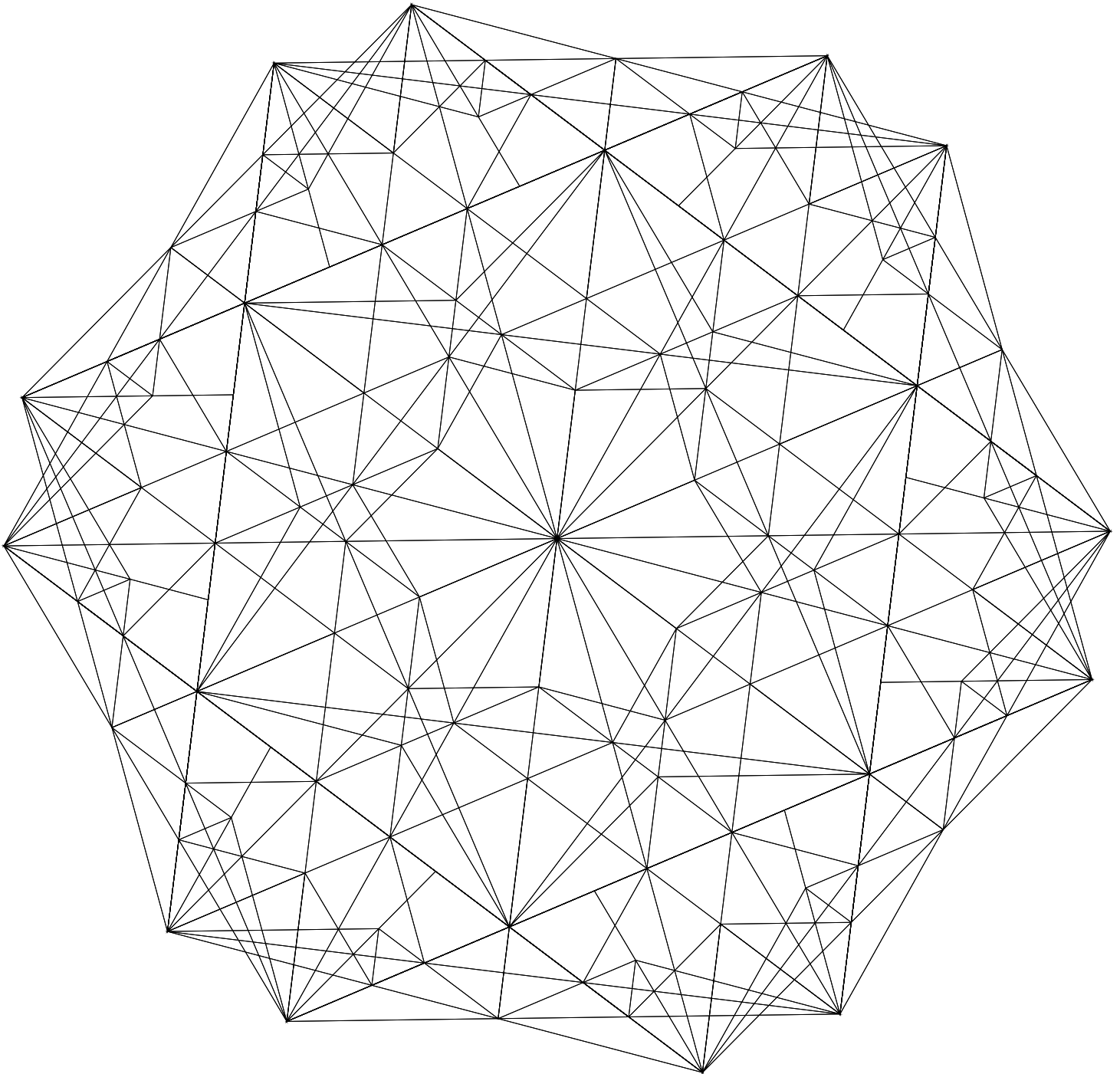
5-fold symmetry



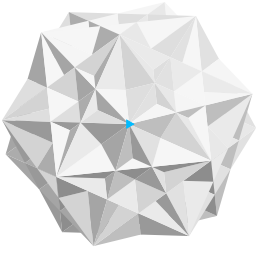
Colouring Pattern (C016)



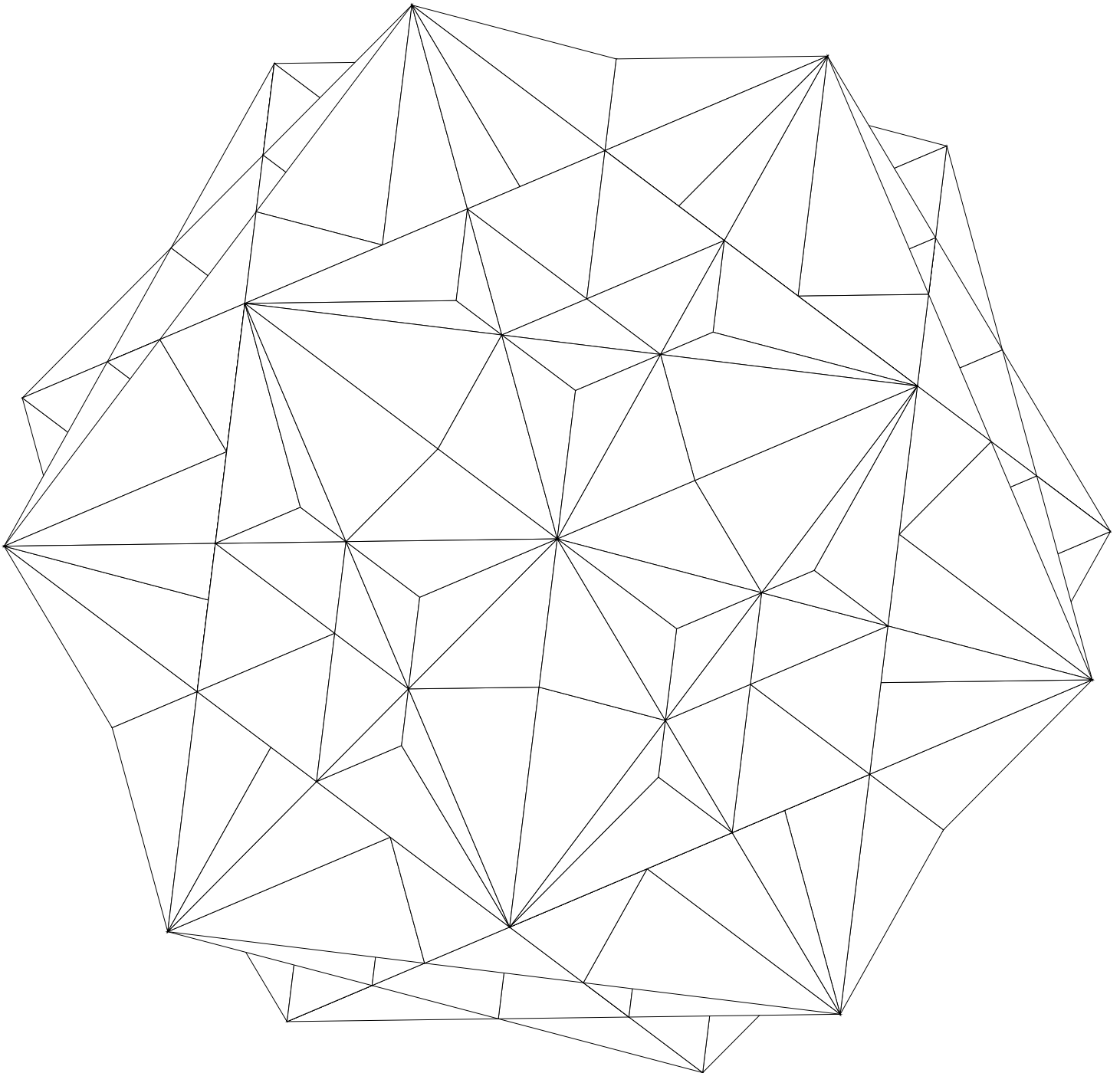
Name: compound of five cubes
182 vertices, 360 faces, 540 edges
Alias: stellated rhombic triacontahedron
3-fold symmetry



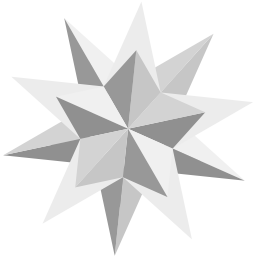
Colouring Pattern (C017)



Name: compound of five cubes
seen along a 3 fold symmetry
Alias: stellation of the rhombic triacontahedron
182 vertices, 360 faces, 540 edges



Colouring Pattern (C018)

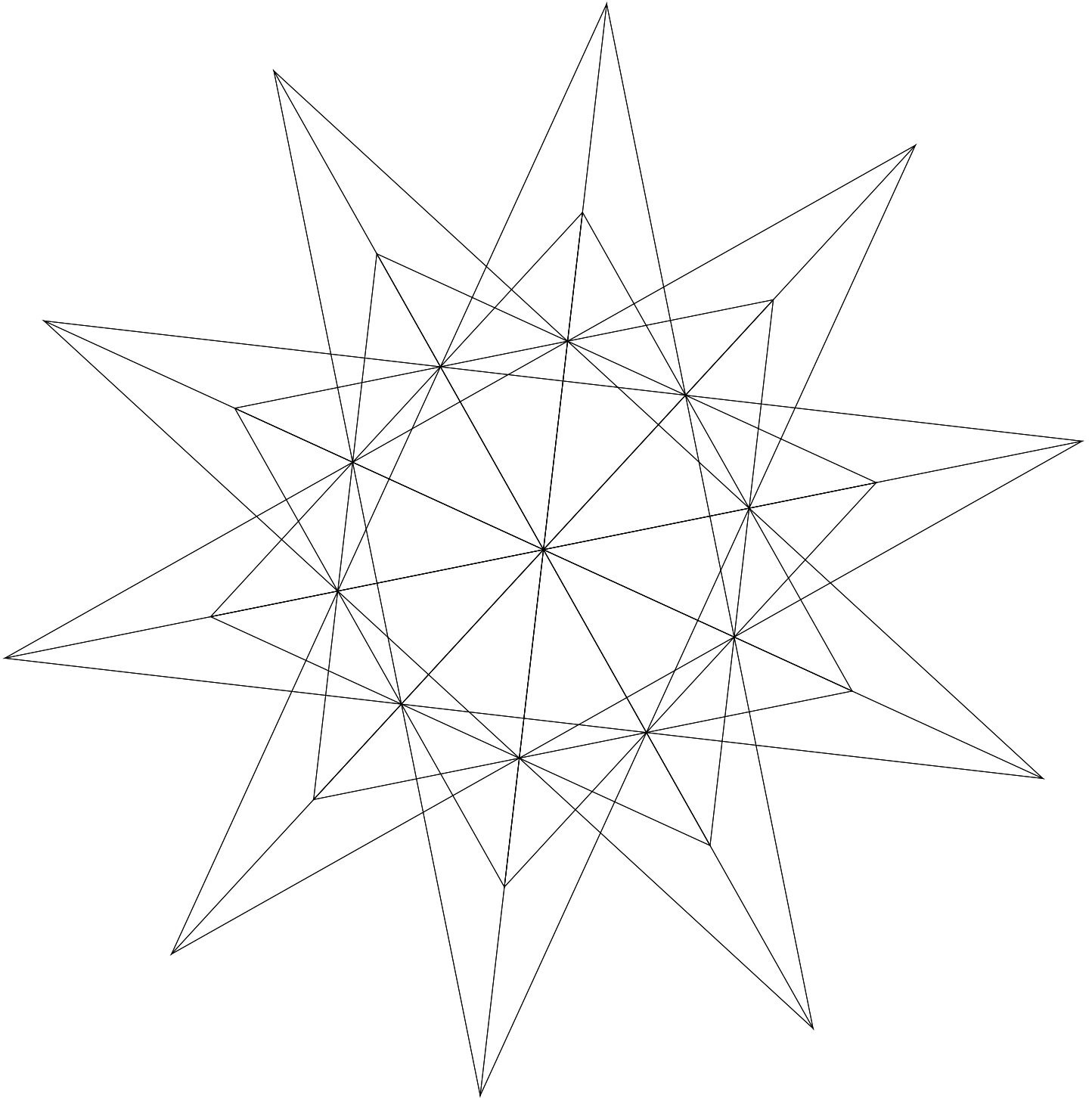


Name: great stellated dodecahedron

32 vertices, 60 faces, 90 edges

Dual: great icosahedron

seen along 5-fold symmetry

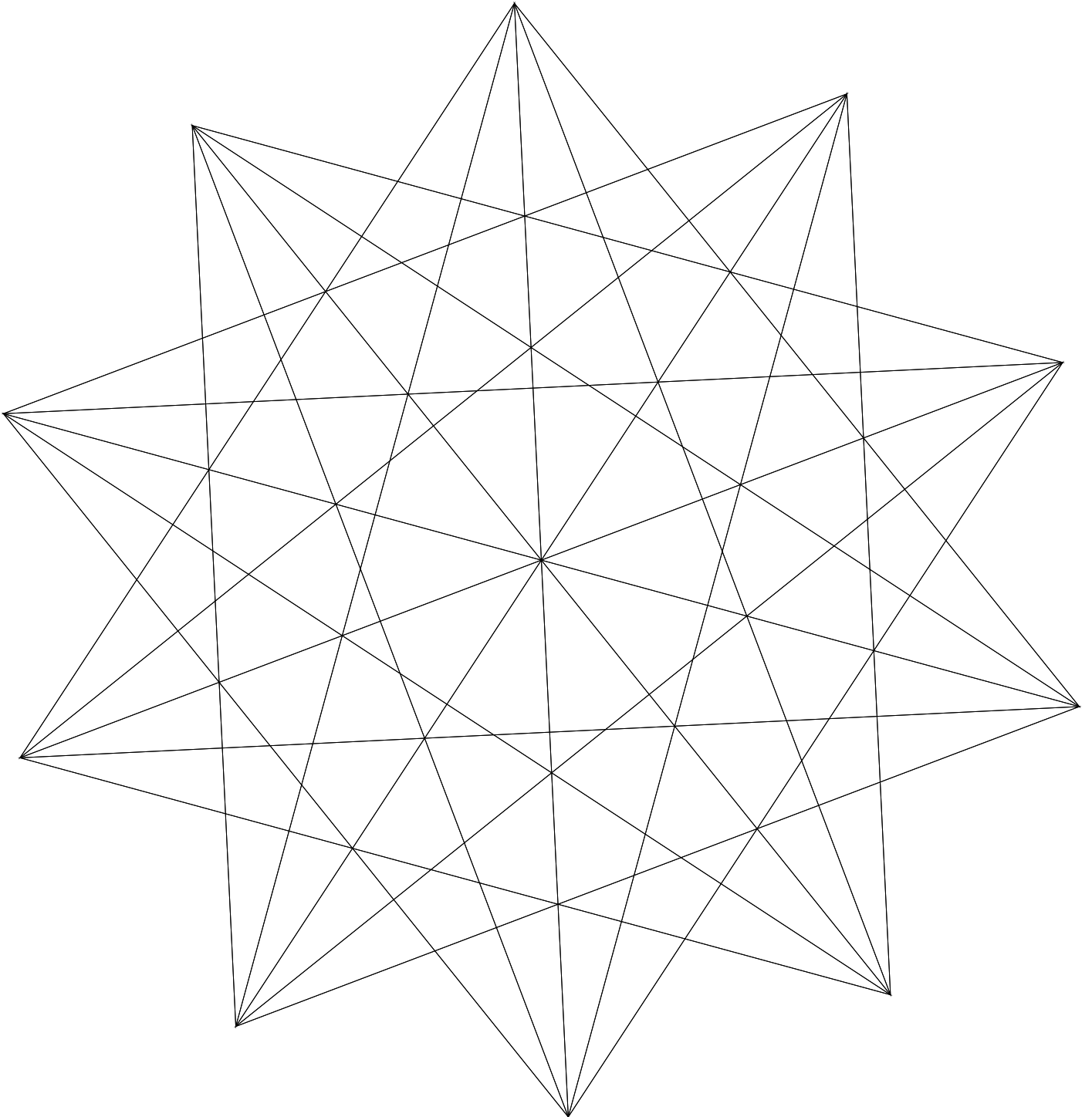


Colouring Pattern (C019)

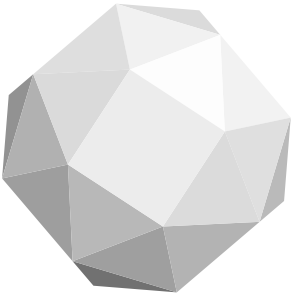


seen along a 5 fold axis of symmetry

Name: small stellated dodecahedron

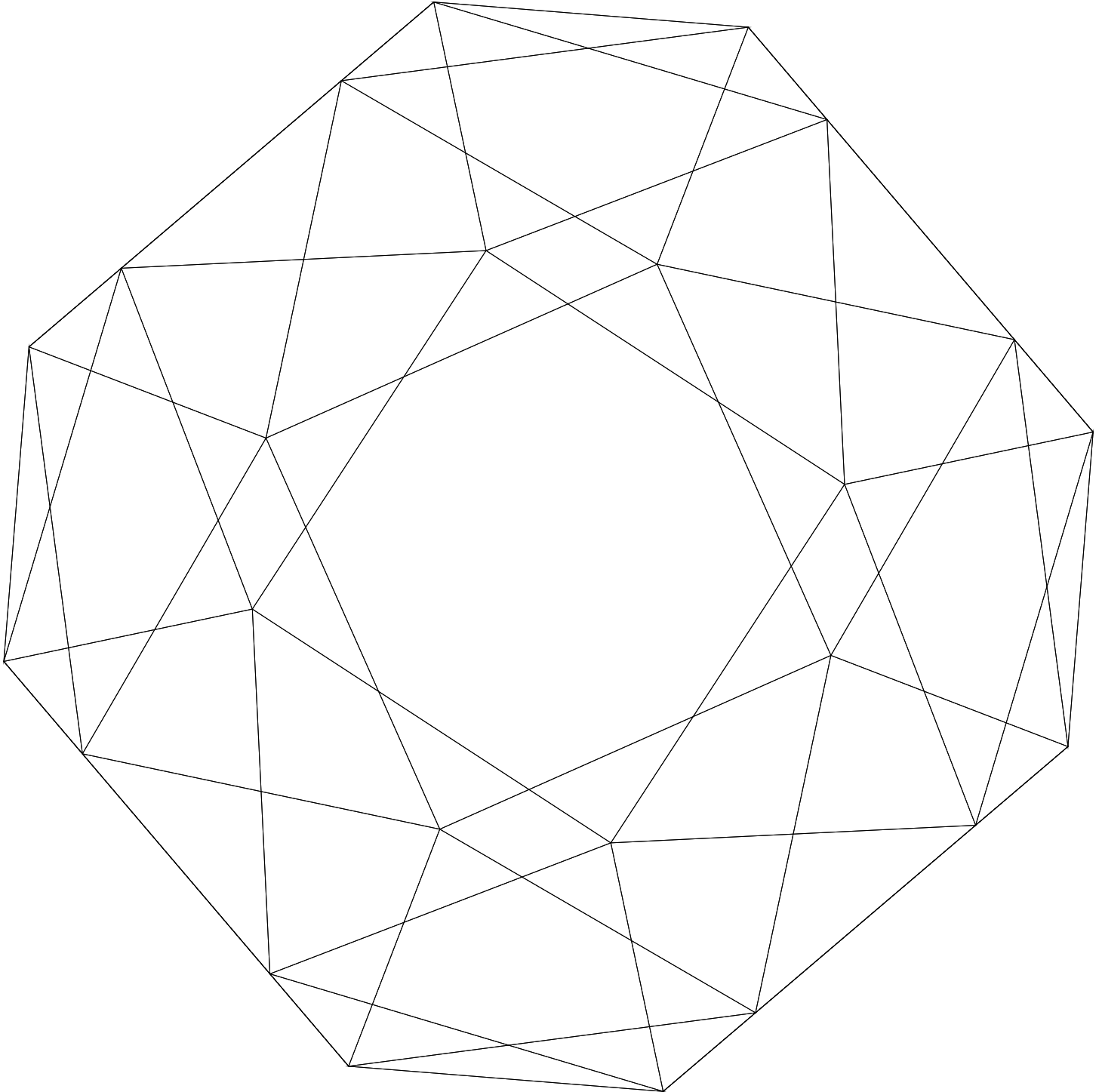


Colouring Pattern (C020)



Name: snub cube (laevo)
24 vertices, 38 faces, 60 edges

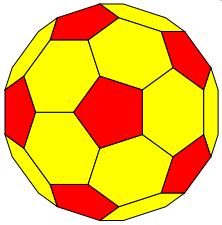
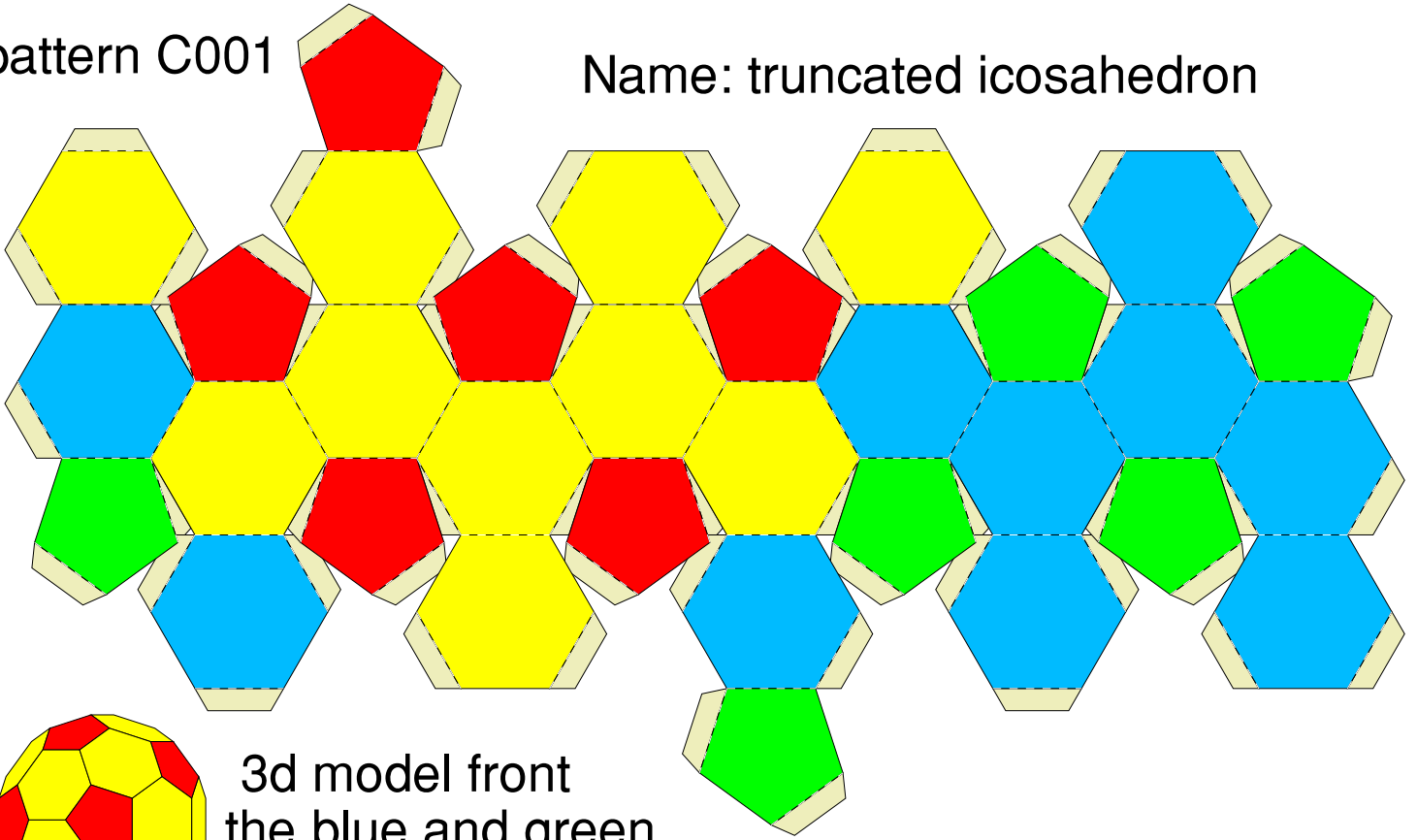
3 4-fold symmetries



two planar nets

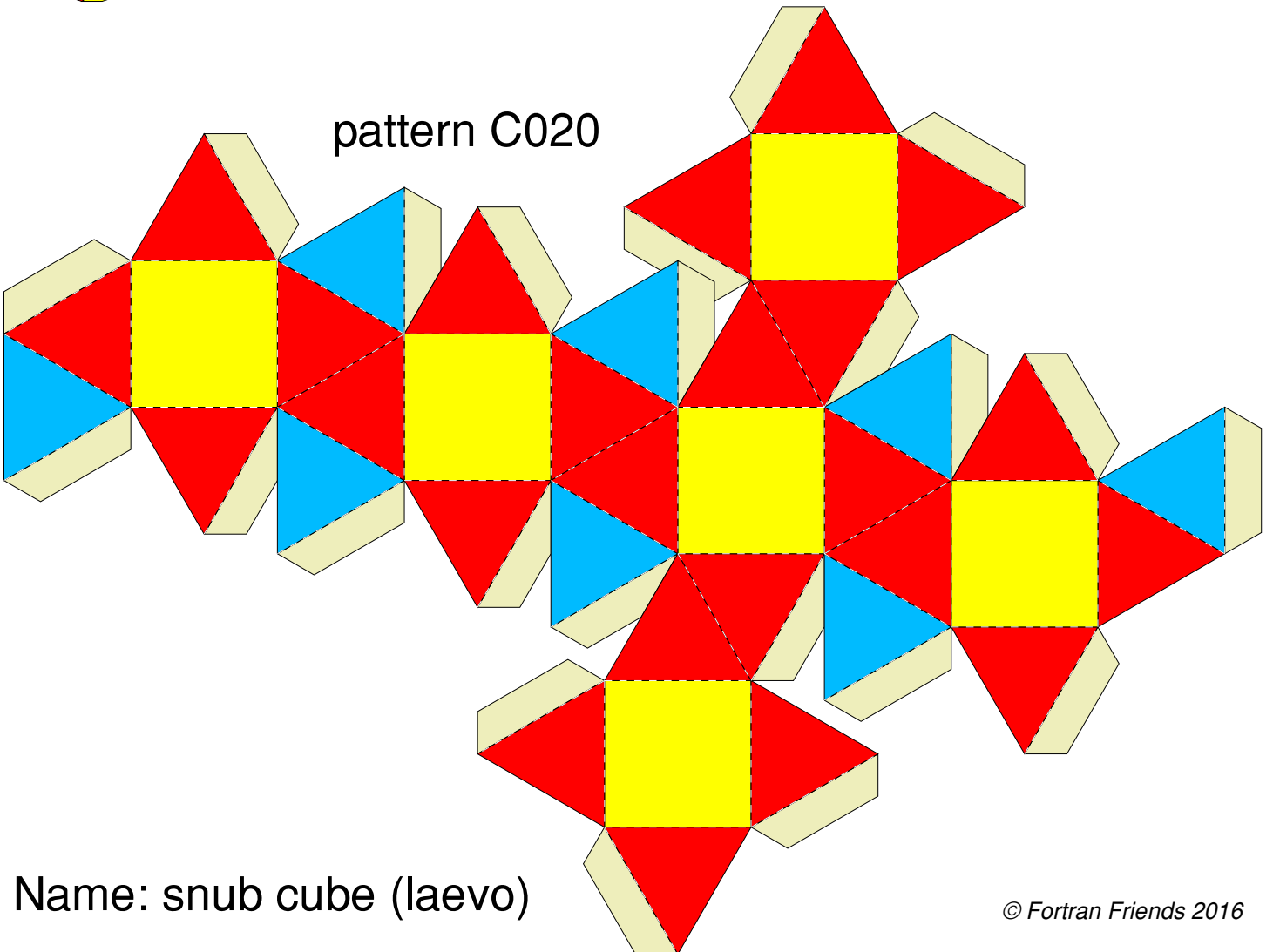
pattern C001

Name: truncated icosahedron



3d model front
the blue and green
areas are at the back

pattern C020



Name: snub cube (laevo)