

Symmetry 9

<https://github.com/heptagons/lenses>

2024/1/12

Abstract

Symmetry 9

1 Stars and lenses

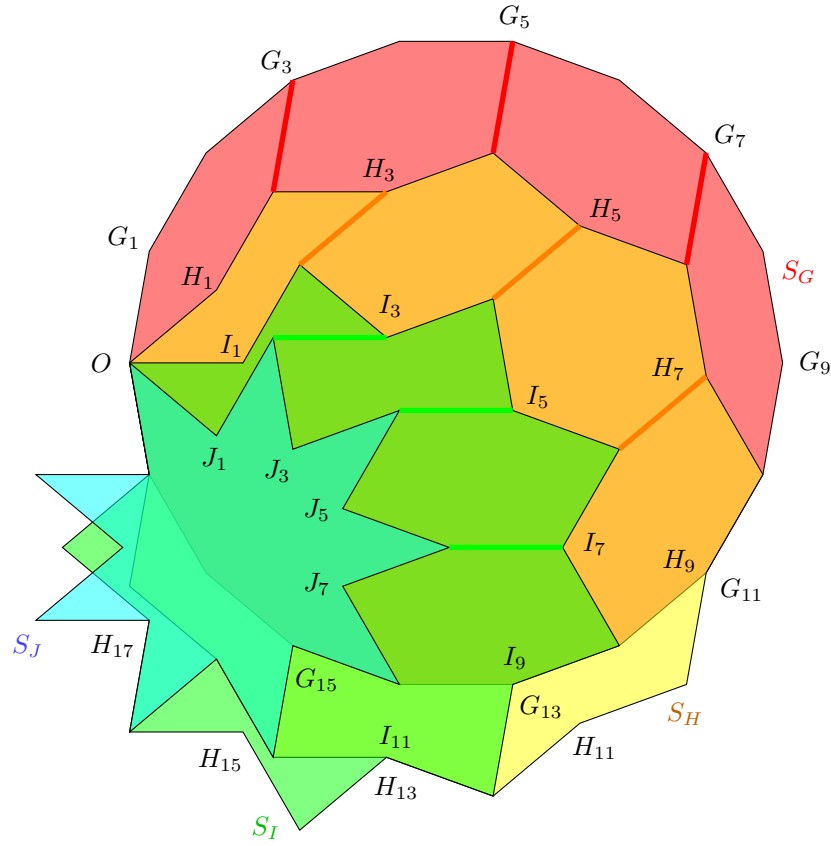


Figure 1: Symmetry 9 stars $\{S_G, S_H, S_I, S_J\}$ dissected with vectors to get symmetry-9 hexagonal lenses.

Figure 1 show the disposition of the symmetry 9 four stars $\{S_G, S_H, S_I, S_J\}$. We denote the 18 vertices of every star as $\{0, X_1, \dots, X_{17}\}$ where $X = \{G, H, I, J\}$. Only some vertices are labeled in the figure

2 Rhombus

3 Lenses

4 Crowns