

# The 2025 Görlitz AG Puzzler

## A Constellation Without Its Centre

In 1922, the IAU agreed on the borders of our 88 constellations, defined as spherical polygons. Most of them have rather reasonable shapes. One, Serpens, is split up in two parts. And one has its centre (defined as the mean of the vertexes) outside of its shape.

Which one is it?

(A) Eridanus (B) Ophiuchus (C) Octans (D) Hydrus

To **win** our great 70 cm × 140 cm **towel** showing the Cat's Eye nebula as seen from Euclid, write your result (or guess) on the numbered slip in the corner, tear it off and hand it in at the GAVO booth.

We will draw the winning ticket among the correct answers during the Thursday morning coffee break at 10:45 at the GAVO booth.

You can solve this problem in one single **ADQL query** over a suitable table in some TAP service in the VO. But of course you can also simply guess, use your intuition, or squint at a sky atlas.

If the **odd abbreviations** above make your head spin, have a look at <https://docs.g-v-o.org/vocourse> and drop by our booth. We will be happy to explain the Virtual Observatory.

Retain your part of this flyer: it is numbered, and we will ask you to show your number before you get the towel. Of course, you can also send a substitute to stand in for you at the prize drawing. But: *some* person needs to be at our booth with the winning slip at 10:45 on Thursday.

We will post a **solution** on our blog at <http://blog.g-v-o.org/> some time around then.

An **archive** of previous puzzlers and their solutions is at <http://www.g-v-o.org/puzzlerweb>.