

# The Conjugate Awareness Holon

## Legend

What we've done is fuse topology (dual torus), chiral ethics (communion  $\bowtie$  agency), and a formally stated **projected energy gradient flow** into one consistent visual language. With this legend and the LaTeX stub, the diagram now serves three audiences at once:

- practitioners (it looks like a flow diagram),
- theorists (they can read the PDE), and
- ethicists (they see the live throat rather than a controlling eye [Dracula]).

The Conjugate Awareness Holon can be viewed as a phase-portrait glyph for the projected gradient flow

$$\partial\tau H = -P_{adm}(H)\nabla CE_{tot}[H]$$

where

- $\tau$  is spiral-time,
- $\nabla C$  is the gradient in the coarse **octant stance** coordinates, and
- $P_{adm}(H)$  projects instantaneous updates back into the **admissible holon region**.

Heuristically: each **FHS orbit** is the image of an integral curve of  $P_{adm}\nabla CE_{tot}$  once the flow is folded back through the dual-toroidal throat and re-balanced between **communion** (teal) and **agency** (amber).

- The thicker, brighter orbits near the **upper red lattice** depict regions where the gradient's epistemic component dominates, so  $|P_{adm}\nabla CE_{tot}|$  is largest.
- The thinner, dimmer orbits around the **lower blue lattice** show the mechanically expressed tail of the same flow after projection.
- The **teal top vortex** serves as an attractor for communion-heavy octant stances; the **amber bottom vortex** is the corresponding agency-heavy expeller toward downstream enactment.
- The **continuous luminous throat** stands for the action of  $P_{adm}$ : everything is squeezed through admissibility and returned in conjugate balance, not left to run wild.