Glossary & Notation

CQE — Cartan–Quadratic Equivalence.

Alena — Operator family (Rθ, Midpoint, ParityMirror, WeylReflect).

MORSR — Middle-Out Ripple Shape Reader (staged, shell-constrained pulse).

Φ — Quadratic objective; Weyl-invariant geometry term, parity term, sparsity, kissing deviation.

Shell — Hard admissible set; radial by viz radii or graph by BFS hops.

Reason Codes — strict_decrease, plateau, plateau_capped, delta_increase, parity_fail, governance_blocked, out_of_shell.

$E_8 \times 3$ — Left/Right sources (read-only) projecting into Center for solve-frame.