UNNS Operator Codex

Complete Canonical List of Operators 0–XVII

UNNS Operational Grammar Division

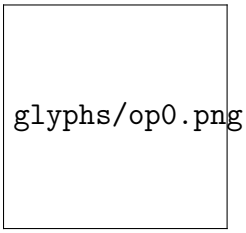
2025

Contents

Glyph Legend

Each Operator section contains a glyph placeholder:
`\includegraphics{glyphs/opX.png}`
Replace each placeholder with the actual UNNS glyph files.

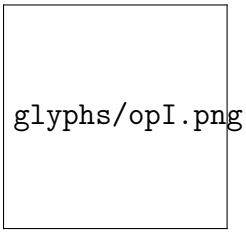
1 Operator 0 — Zero



Name: Zero — Substrate Boundary / Neutral Element
Role: Defines the neutral substrate state. Operator XII returns recursion to Zero.
Documents:

- The Role of Zero in UNNS
- Octad Operators Acting on the Zero Substrate

2 Operator I — Inletting

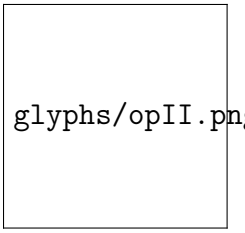


Name: Inletting — Recursive Input Formation

Role: Introduces raw material into recursion; opens a channel from external substrate.

Documents: UNNS Inletting (Mathematical & Physical Perspectives), Combined Grammar.

3 Operator II — Inlaying

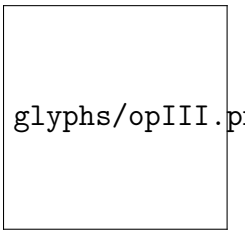


Name: Inlaying — Structural Embedding

Role: Places input elements into the recursion lattice; defines initial geometry.

Documents: UNNS Inlaying.pdf, Combined Grammar.

4 Operator III — Trans-Sentifying

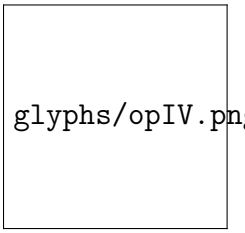


Name: Trans-Sentifying — Semantic Phase Transition

Role: Turns raw structure into meaningful recursive transformations (sents).

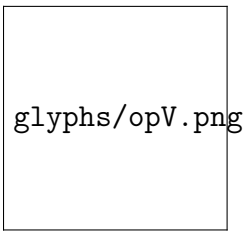
Documents: UNNS Trans-Sentifying.pdf

5 Operator IV — Repair



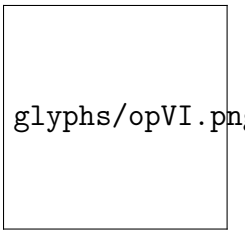
Name: Repair — Curvature Correction
Role: Corrects malformed structure, fixes broken curvature, enforces coherence.
Documents: UNNS Repair Rules and Normalization.pdf

6 Operator V — Adopting (Structural: Normalization)



Name: V — Adopting
Structural Name: Normalization
Semantic Role: Binds external structures under constraint C; admits compatible elements.
Structural Role: Metric stabilization and balancing of recursive curvature.
Screenshot Definition: Symbol of intake and selection.

7 Operator VI — Evaluating (Structural: Interlacing)



Name: VI — Evaluating
Structural Name: Interlacing
Semantic Role: Scores recursive forms by criterion κ; selects viable structures.

Structural Role: Weaves recursion strands; couples structures into coherent patterns.

8 Operator VII — Decomposing (Structural: Confluence)

glyphs/opVII.png

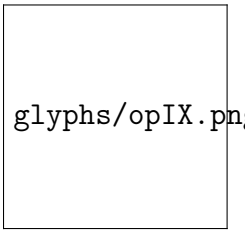
Name: VII — Decomposing
Structural Name: Confluence
Semantic Role: Factorizes nested recursion into elemental components.
Structural Role: Joins multiple recursion streams into one unified channel.

9 Operator VIII — Integrating (Structural: Divergence)

glyphs/opVIII.png

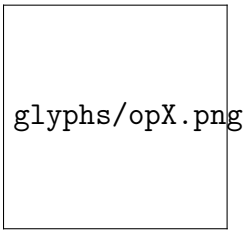
Name: VIII — Integrating
Structural Name: Divergence
Semantic Role: Recombines decomposed structures into coherent unity via junction J.
Structural Role: Expands recursion into multiple paths; controlled branching.

10 Operator IX — Folding



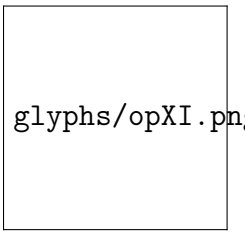
Name: Folding — Structural Contraction
Role: Compacts structural elements; prepares substrate for Bridging and Emission.
Documents: Operational Grammar (Combined)

11 Operator X — Bridging



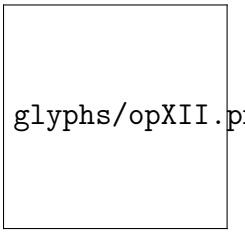
Name: Bridging — Recursive Connection
Role: Connects folded sectors; restores continuity; mediates pre-collapse alignment.

12 Operator XI — Emission



Name: Emission — Outward Curvature Release
Role: Emits or externalizes recursive products; prepares the manifold for collapse.

13 Operator XII — Collapse / Sobra–Sobtra



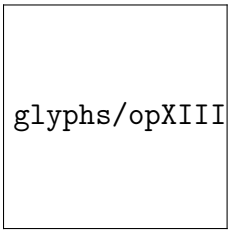
Name: Collapse — Residue Dynamics

Alternate Names: Sobra / Sobtra

Role: Absorbs recursive residues; destroys structure; returns recursion to Zero.

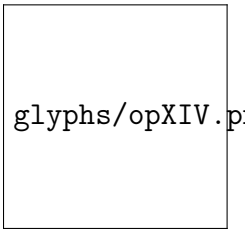
Documents: Operator XII Collapse.pdf, Residue Dynamics and Collapse Channels.pdf

14 Operator XIII — Interlace Phase Coupling



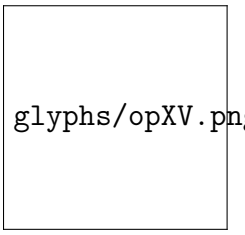
Name: Interlace Phase — Recursive Phase Coupling
Role: Couples recursion phases; produces Weinberg-angle emergence.

15 Operator XIV — Phi-Scale



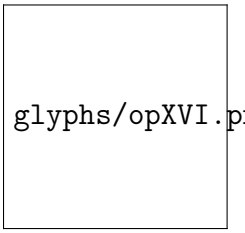
Name: -Scale Operator — Golden Ratio Dynamics
Role: Imposes scale invariance; governs recursive proportionality.

16 Operator XV — Prism



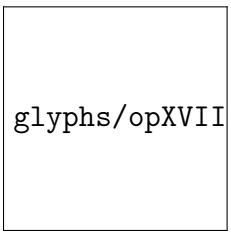
Name: Prism — Spectral Decomposition
Role: Splits recursion into spectral components.

17 Operator XVI — Fold



Name: Fold Operator — High-Dimensional Folding
Role: Recombines scale and spectral structures into folded geometries.

18 Operator XVII — Matrix Mind



Name: Matrix-Mind — Cognitive Phase Operator
Role: Enables emergent cognition; recursion becomes self-aware of structure.

Appendix A — Unified Theory of the Dual Octad

Operators V–VIII exist in two parallel forms:

- **Semantic Octad**: Adopting, Evaluating, Decomposing, Integrating.
- **Structural Octad**: Normalization, Interlacing, Confluence, Divergence.

The Semantic Octad describes cognition-like operations (selection, scoring, analysis, synthesis).

The Structural Octad describes geometric operations (metric balancing, weaving, joining, branching).

They act on the same recursion states; the Semantic Octad is the interpretive layer, and the Structural Octad is the geometric layer.

The correspondence is:

$$\begin{aligned} \text{V: Adopting} &\leftrightarrow \text{Normalization}, \\ \text{VI: Evaluating} &\leftrightarrow \text{Interlacing}, \\ \text{VII: Decomposing} &\leftrightarrow \text{Confluence}, \\ \text{VIII: Integrating} &\leftrightarrow \text{Divergence}. \end{aligned}$$

Together they form the complete Octadic engine governing mid-level UNNS recursion.