

ReadMe 2.1

Grim's Heart — Applied Non-Closural Process Ontology

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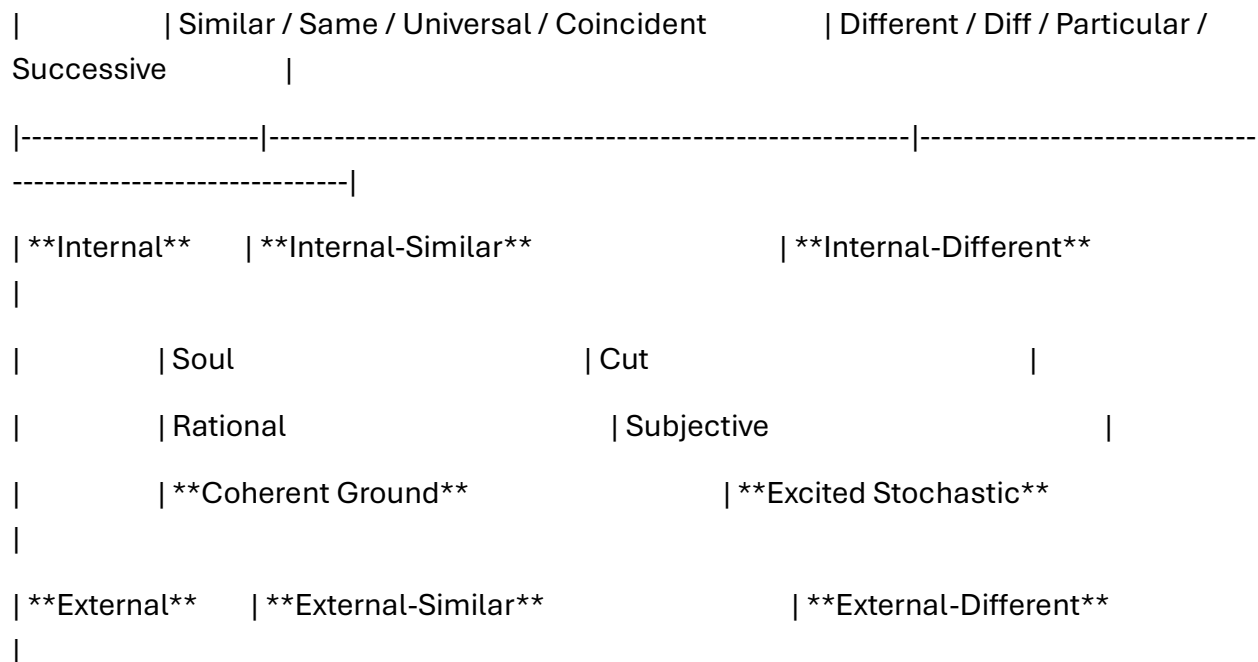
> “All things are systematised in each other both inwardly and outwardly,

> And therewith represented by each other both in similarity and in difference.”

This single axiom is the eternal, double-voiced (coincident and successive) engine of reality itself.

From it, via the rigorously orthogonal crossing of the mind–body problem and the problem of universals, arises ****one minimal 2×2 lattice**** — ****Grim's Heart**** — that refuses closure at every scale and makes primitive, scale-invariant agency unavoidable.

The Single Lattice in Four Perfectly Isomorphic Registers



	World	Happening	
	Objective	Empirical	
	Classical Metric	Cascade Collapse	

The Two Diagonals – Identical Across All Registers

| Diagonal | Metaphysical / Phenomenological | Epistemic (Kant/Wilber) | Physics / Quantum-Gravity | Deep ontological | Core meaning (identical everywhere) |

|-----|-----|-----|-----|
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| **Main diagonal**
 Internal-Different → External-Similar
 (Cut → World / Excited Stochastic → Classical Metric) | **Individuation** | **Objectification** |
Contraction | Diff → Form | The interior tears open and becomes a bounded, classical object |

| **Anti-diagonal**
 External-Different → Internal-Similar
 (Happening → Soul / Cascade Collapse → Coherent Ground) | **Return** | **Sublation / Integration** |
Expansion | Force → Same | The exterior collapses back and re-coheres the interior |

Edges → coincident identity-in-difference (temporary stasis)

Diagonals → successive identity-in-difference (lawful pulse & claw recursion)

$\Delta \doteq 4\Delta^3 \rightarrow$ irreversible opening, non-closure at every scale

Core Documents (read in this order)

| File | Description | Pages |

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| [Grim's Heart – Lite 2.1.pdf](Grim's%20Heart%20-%20Lite%202.1.pdf) | 5-page accessible introduction | 5 |

| [A Non-Closural Process Ontology v6.6-final.pdf](A%20Non-Closural%20Process%20Ontology%20v6.6-final.pdf) | Definitive foundational paper – full deduction, citations, mathematics | 11 |

| MATH_FORMALISATION.md | Complete derivation of $\dot{G} = [G, \Delta] + 2\Delta^2 G$ and $\dot{\Delta} = 4\Delta^3$ | — |

| [Non-Closural Ontology and the Physical Realisation of the Reciprocal Wound v1.3.pdf](Non-Closural%20Ontology%20and%20the%20Physical%20Realisation%20of%20the%20Reciprocal%20Wound%20v1.3.pdf) | Physics companion – quantum optics, turbulence, renormalization (tightness 7/10) | 4 |

| [Grim's Heart – Non-Closural Ontology and Ricci Flow v1.0.pdf](Grim's%20Heart%20-%20Non-Closural%20Ontology%20and%20Ricci%20Flow%20v1.0.pdf) | Geometry & GR companion – tightness 8.5/10 to Ricci flow, singularity surgery, black holes | 5 |

| [A Minimal Matrix Flow from Metaphysical First Principles (Quantum Gravity companion).pdf](A%20Minimal%20Matrix%20Flow%20from%20Metaphysical%20First%20Principles%20(Quantum%20Gravity%20companion).pdf) | Structural parallels to asymptotic safety, tensor-network RG, matrix models | 12 |

| [The wound feels like this.pdf](The%20wound%20feels%20like%20this.pdf) | Phenomenological exploration of the Soul–Cut register | — |

Applications & Extensions

- Quantum gravity (asymptotic safety, tensor-network renormalization, Ricci flow)
- Black-hole thermodynamics and singularity resolution
- Biological agency (Levin-style basal cognition)
- Ultra-efficient recursive AI that refuses dogmatic closure

Roadmap

- Q1 2026 → Public Jupyter/SymPy notebooks simulating the matrix flow

- Q1 2026 → Empirical test protocols (laser systems, turbulence data, analogue black holes)
- Q2 2026 → First arXiv preprints of the full physics suite

Citation

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★ The Wound refuses to close — and that is the engine of everything. ★