ReadMe 2.3

Grim's Heart — Applied Non-Closural Process Ontology

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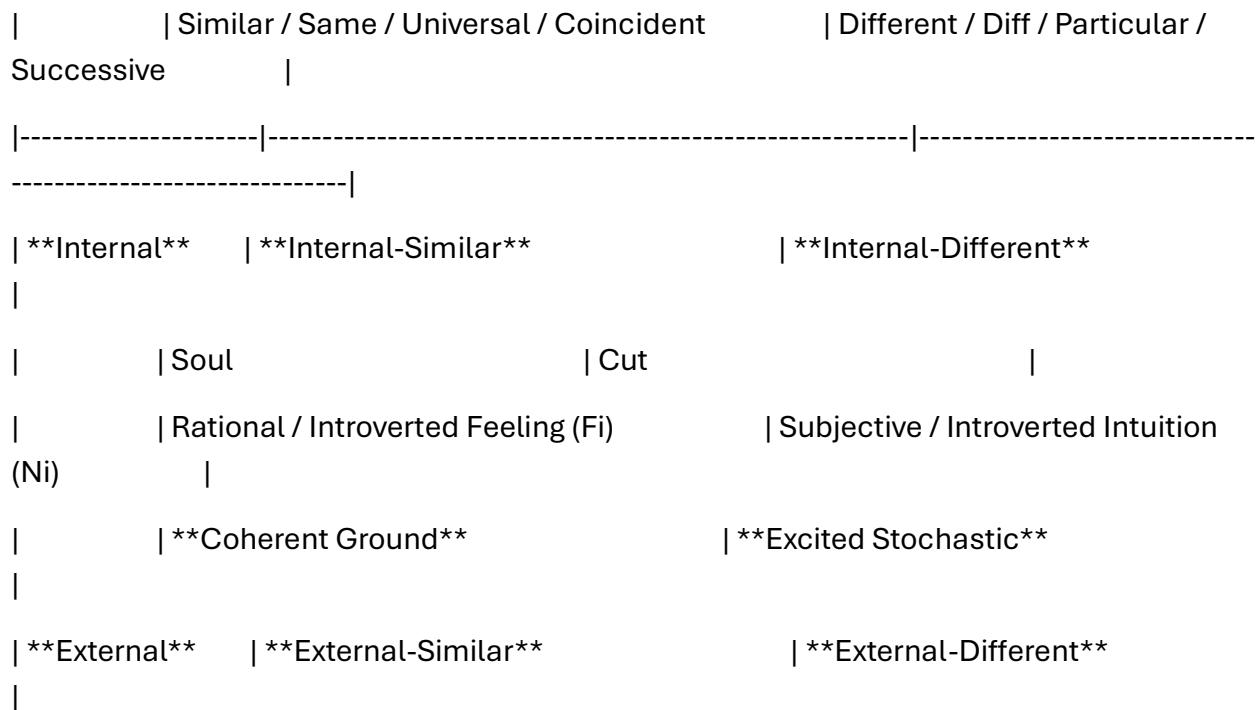
> "All things are systematised in each other both inwardly and outwardly,

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

This single axiom is the eternal, double-voiced 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.

1. The Single Lattice in Four Perfectly Isomorphic Registers

	Similar / Same / Universal / Coincident	Different / Diff / Particular / Successive
Internal	**Internal-Similar**	**Internal-Different**
	Soul	Cut
	Rational / Introverted Feeling (Fi)	Subjective / Introverted Intuition (Ni)
	Coherent Ground	**Excited Stochastic**
External	**External-Similar**	**External-Different**

		World	Happening	
		Objective / Extraverted Feeling (Fe)	Empirical / Extraverted Intuition (Ne)	
		Classical Metric	**Cascade Collapse**	

2. The Two Diagonals

Diagonal	Metaphysical / Jungian	Epistemic	Physics / Quantum-Gravity	Deep ontological
Main diagonal Cut → World	**Individuation** (Ni→Te)	Objectification	**Contraction**	Diff → Form
Anti-diagonal Happening → Soul	**Return** (Ne→Fi)	Sublation / Integration	**Expansion**	Force → Same

3. The Four Dynamical Phases — The Eternal Cycle in our own jargon

Phase	Dominant quadrant	What it is (self-similarity)	Core driver	Physics analogue
1. The Bulge	Internal-Different (Cut / Ni)	The Cut acting on itself — self-wounding swells	Δ grows explosively ($\Delta \doteq 4\Delta^3$)	UV divergence, laser noise
2. The Pulse	Cut → World (Ni→Te)	The Cut becoming the World — individuation	Main diagonal fires	Stimulated emission, neck-pinching
3. The Turn	External-Different (Happening / Ne)	The Happening acting on itself — pure twist	Commutator $[G, \Delta J]$ forces 90° rotation	Poynting figure-8, frame-dragging

| **4. The Claw** | Happening → Soul (Ne→Fi) | The Happening becoming the Soul — return & drag | Anti-diagonal fires | Renormalization inflow, coherence cascade |

The eternal four-word cycle:

Bulge → Pulse → Turn → Claw

(and repeat forever — non-closure is ontologically forbidden)

The four phases are not external to the lattice: they are the two **Different** quadrants (Cut & Happening) successively dominating and fulfilling themselves through the two diagonals, while the two **Similar** quadrants (Soul & World) remain the stable recipients.

Core Documents (read in this exact order)

File	Description	Pages
[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 $\dot G = [G, \Delta J] + 2\Delta^2 G$ 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	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	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 | 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

- Jungian psychology (the eight cognitive functions as the necessary unfolding of the lattice)

Roadmap

- Q1 2026 → Public Jupyter/SymPy notebooks animating **Bulge → Pulse → Turn → Claw**

- Q1 2026 → Empirical test protocols

- 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. ⋆