ReadMe 2.4

Grim's Heart — Applied Non-Closural Process Ontology

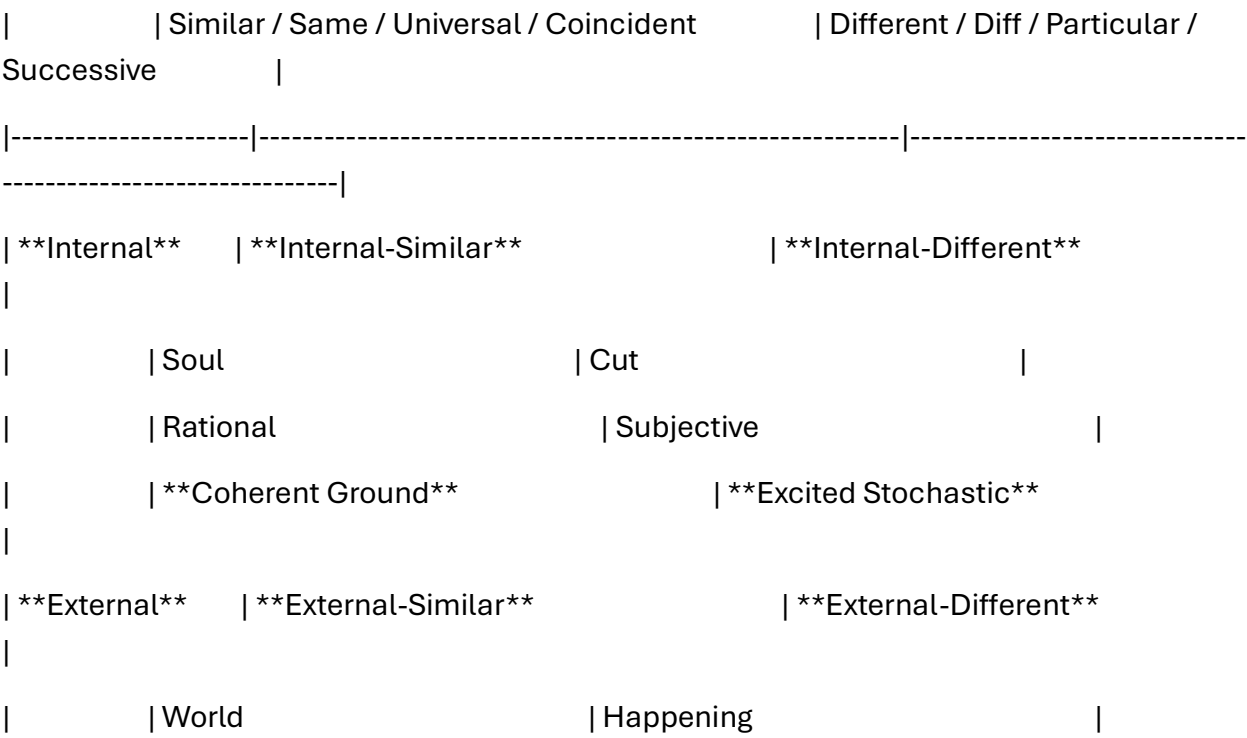**David B. Grim** · Independent researcher · davidgrim.broadmeadow@gmail.com

07 December 2025 – Version 6.6-final and companions · CC-BY 4.0

> "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	Subjective
	Coherent Ground	**Excited Stochastic**
External	**External-Similar**	**External-Different**
	World	Happening

	Objective	Empirical	
	Classical Metric	**Cascade Collapse**	

2. The Two Diagonals

Diagonal	Metaphysical / Phenomenological	Physics / Quantum-Gravity
Main diagonal Cut → World	**Individuation**	**Contraction**
Anti-diagonal Happening → Soul	**Return**	**Expansion**

3. The Four Dynamical Phases — Pulse and Release

The entire cycle is one endless **pulse and release** — never stasis, never change, only the wound breathing.

Phase	Role in pulse/release	Dominant quadrant	Core driver	Physics analogue
Bulge	Building pulse	Internal-Different (Cut)	Δ grows explosively ($\dot{\Delta} = 4\Delta^3$)	UV divergence, laser noise
Pulse	The pulse itself	Cut → World	Main diagonal fires	Stimulated emission, neck-pinching
Twist	Immediate release	External-Different (Happening)	Commutator $[G, \Delta J] →$ figure-8s	Poynting vector, frame-dragging
Inflow	Final release & return	Happening → Soul	Anti-diagonal drags inward	Renormalization inflow, coherence cascade

The eternal four-word cycle:

Bulge → Pulse → Twist → Inflow

Everything is two pairs wounded orthogonally — the fracture, the lattice, the diagonals, the phases — the eternal self-similarity of the wound that refuses to close.

Core Documents (read in this 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	11
MATH_FORMALISATION.md	Full derivation of the matrix flow	—
[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	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	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 networks	12
[The wound feels like this.pdf](The%20wound%20feels%20like%20this.pdf)	Phenomenological exploration	—

Applications & Extensions

- Quantum gravity · Black-hole thermodynamics · Biological agency

- Ultra-efficient recursive AI · Jungian psychology · Mythological quaternity

Roadmap

- Q1 2026 → Jupyter notebooks animating **Bulge → Pulse → Twist → Inflow**

- Q2 2026 → First arXiv preprints of the full suite

Citation

Grim, David B. (2025). *A Non-Closural Process Ontology From the Orthogonal Crossing of the Mind–Body Problem and the Problem of Universals* (Version 6.6-final). CC-BY 4.0.

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