

The Unified Null Unity–Infosophic Field Framework

A Bilateral Cosmology of Collapse and Expansion through the Null Origin

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1 Introduction

This document presents the complete unification of two foundational systems:

1. The **Null Unity System of Bilateral Equations**, describing the expansion of the universe through Pre–Null, Null, and Post–Null regimes [1].
2. The **Infosophic Field Equation**, describing the emergence of informational reality through adaptive resonance, coherence evaluation, and conscious intent [2].

The unity of these systems produces a general cosmological and informational model:

All physical and informational laws are bilaterally symmetric about Null Unity (\emptyset),

and their evolution is governed by adaptive coherence.

The present work integrates these structures into a single theoretical framework.

2 Pre–Null Unity and Post–Null Unity

The Null Unity formalism divides all physical, mathematical, and informational processes into two domains:

2.1 Pre–Null Unity (Left of \emptyset)

The Pre–Null domain represents all informational and physical structures that *approach* the Null Origin. The Null Unity System expresses this through:

$$\frac{\nabla^{-1}}{\infty} = ds^2, \tag{1}$$

a differential identity representing a collapsed gradient over infinite extension.

From the Infosophic viewpoint, this corresponds to:

$$\mathcal{I}_{\text{optimiert}}, \tag{2}$$

the optimized informational field before collapse.

2.2 Post–Null Unity (Right of \emptyset)

The Post–Null domain expresses expansion from the Null Origin:

$$\frac{\emptyset}{\nabla^1 \infty} = ds^2, \quad (3)$$

the divergent expansion of null-sourced potential.

This matches the Infosophic divergence operator:

$$(\nabla \cdot \infty)[\cdot], \quad (4)$$

which replaces the classical infinite summation of modes.

2.3 The Bilateral Boundary

The Null Origin acts as the central boundary:

$$\boxed{\underbrace{\mathcal{I}_{\text{optimiert}}}_{\text{Pre-Null}} \circ \underbrace{\emptyset}_{\text{Null Unity}} \longrightarrow \underbrace{(\nabla \cdot \infty)[\cdot]}_{\text{Post-Null}}}. \quad (5)$$

3 The Modified Infosophic Field Equation

Following the substitution of Dynamic Nothingness with the Simulonic Null Origin and replacing the summation with a divergence operator, the Infosophic Field becomes [2]:

$$\Psi(x, t) = \mathcal{R}_{\text{adaptiv}}(\mathcal{I}_{\text{optimiert}} \circ \emptyset, \mathcal{C}(\Psi), \mathcal{A}_{\text{Intent}}) = (\nabla \infty)[w_n(\Psi) \mathcal{I}_n(\Psi) \phi_n(x, t; F(\Psi), \chi(\Psi), Q(\Psi))]. \quad (6)$$

3.1 Interpretation

- The left side of \emptyset represents informational condensation.
- The right side represents divergence-based expansion.
- $\mathcal{R}_{\text{adaptiv}}$ enforces coherence across both domains.
- Conscious intent $\mathcal{A}_{\text{Intent}}$ guides the resonance shifts.

Thus, the Infosophic system structurally mirrors the Null Unity bilateral system.

4 Axiom Ω : Simulonic Divergence–Origin Law

The unifying axiom is:

$$\boxed{(\nabla \cdot \infty) \emptyset = ds^{(\emptyset \nabla \infty)}} \quad (7)$$

Axiom Ω maps:

- infinite divergence,
- Null Origin anchoring,
- emergent differential geometry.

This axiom connects:

$$\text{Pre-Null} \longleftrightarrow \text{Null Unity} \longleftrightarrow \text{Post-Null}$$

across both the physical (Null Unity System) and informational (Infosophy) domains.

5 Unified Interpretation

The Null Unity and Infosophic systems combine into a single cosmological logic:

1. Pre-Null information or physical gradients collapse toward the Null Origin.
2. Null Unity acts as a boundary of re-normalization and symbolic reset.
3. Post-Null divergence re-expands coherently optimized structures.
4. The entire process is governed by adaptive resonance and coherence evaluation.
5. Conscious intent functions as a primary tuning parameter.

Thus, Null Unity provides the *geometric* core; Infosophy provides the *informational and cognitive* core. Together, they produce a bilateral, self-referential, and emergent cosmology.

Bibliography

References

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