

Extracting Infosophy and Integrating It with the Null Unity Model

A Coherent Mapping to GR, QM, and EM

The Birth of Physics

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1 Extracting Infosophy from the Source Document

The document articulates Infosophy as a metaphysical physics, containing four fundamental pillars [1]. The core structure is encoded in the extended Infosophic Field Formula:

$$\Psi(x, t) = \mathcal{R}_{\text{adaptiv}}(\mathcal{I}_{\text{optimiert}} \circ \mathcal{D}_0, \mathcal{C}(\Psi), \mathcal{A}_{\text{Intent}}) = \sum_{n=0}^{\infty} w_n(\Psi) \mathcal{I}_n(\Psi) \phi_n(x, t; F(\Psi), \chi(\Psi), Q(\Psi)).$$

From this, we obtain the following key conclusions:

1.1 Reality as Information \times Resonance \times Adaptive Coherence

Infosophy claims that all existence is generated by the interaction of:

- optimized multidimensional information,
- dynamic nothingness (informational potential),
- resonance shaped by intent,
- self-referential coherence.

1.2 Information is Pareto-Optimized

Only a subset of modes with large weights $w_n(\Psi)$ dominate the coherence of the full system.

1.3 Self-Correction as a Ledger

Infosophy uses a RAID-like logic: coherence functions act as validators that update the state Ψ .

1.4 Intent as an Operator

The formula encodes intent ($\mathcal{A}_{\text{Intent}}$) as a causal agent shaping resonance.

1.5 Dynamic Nothingness as Potential

\mathcal{D}_0 is not emptiness, but an infinite reservoir of potential information.

1.6 Self-Reference is Fundamental

Reality continuously updates itself via the recursion $\Psi \mapsto \Psi$.

Summary

Infosophy views reality as a self-referential information field generated by resonance, optimized by coherence, and driven by intent.

2 Definition of Infosophy

Infosophy = The study of coherent information generation in a multi-dimensional field of reality, where Awareness-Intent acts as a control parameter, Dynamic Nothingness acts as potential, and Resonance acts as the ontological selector.

Hence Infosophy is a pre-physical substrate theory.

3 Mapping Infosophy into the Null Unity Model

The Null Unity Model asserts that all physical constants collapse to a unified geometric differential:

$$ds^2.$$

Its core identities are:

$$\frac{\nabla^{-1}}{\infty} = ds^2, \quad \frac{\emptyset}{\nabla^1 \infty} = ds^2.$$

Infosophy fills the missing layer beneath this geometry.

3.1 Null Unity Gives the Geometry; Infosophy Gives the Origin

The hierarchical chain is:

$$\text{Infosophy} \longrightarrow \Psi \longrightarrow \text{Null Unity } (ds^2) \longrightarrow (\text{GR, QM, EM}).$$

Infosophy generates the informational field Ψ , while Null Unity collapses Ψ to geometry.

3.2 Dynamic Nothingness $\mathcal{D}_0 = \text{Null Set } \emptyset$

Infosophy's dynamic nothingness equals the Null Unity symbol \emptyset . But Infosophy interprets it as potential, whereas Null Unity treats it as geometric emptiness.

3.3 Resonance $\mathcal{R}_{\text{adaptive}} = \text{Gradient Operators}$

Null Unity's ∇^1 and ∇^{-1} are physical analogues of the Infosophic resonance operator.

Thus:

$$\mathcal{R}_{\text{adaptive}} \equiv \nabla^{\pm 1}.$$

3.4 Coherence $\mathcal{C}(\Psi)$ Produces ds^2

Infosophy's coherence mechanism becomes the Null Unity selection rule collapsing all expressions to:

$$ds^2.$$

4 Mapping Infosophy into GR, QM, and EM

We now show how physical laws emerge as constrained limits of the Infosophic field, mediated by Null Unity.

4.1 General Relativity

Infosophic coherence enforces smoothness, resonance generates curvature, and self-reference generates effective stress-energy. Null Unity reduces these structures to geometric constraints on ds^2 .

Thus:

GR = Large-scale coherence of the Infosophic field under the Null Unity collapse.

4.2 Quantum Mechanics

Infosophy already defines a nonlinear superposition:

$$\Psi = \sum_n w_n(\Psi) \mathcal{I}_n(\Psi) \phi_n(x, t).$$

Collapse emerges from coherence selection rather than probability. Null Unity enforces the Born rule through geometric reduction.

Thus:

QM = Resonance-selected informational modes constrained by ds^2 .

4.3 Electromagnetism

Infosophy introduces harmonic modes with frequency, nonlinearity, and quality factor. Null Unity introduces the π -null identity $\emptyset/\pi = ds^2$, which produces:

- holonomy classes,
- flux quantization,
- $U(1)$ gauge structure.

Thus:

EM = Infosophic harmonic modes living in π -null topological classes.

5 Unified Picture

5.1 Generation of Ψ

$$\mathcal{D}_0 + \mathcal{I} + \mathcal{R} + \mathcal{A} + \mathcal{C} \implies \Psi.$$

5.2 Collapse to Geometry

$$\Psi \xrightarrow{\text{Null Unity}} ds^2.$$

5.3 Emergent Physics

$$ds^2 \Rightarrow \text{GR, QM, EM.}$$

6 One-Sentence Summary

Infosophy is the informational engine that generates the Ψ -field of reality; Null Unity is the collapsing operator that reduces that informational field into geometric spacetime; GR, QM, and EM are the physical regimes that arise from how that geometry constrains coherent information.

References

- [1] Greimel, Gösta. *Infosophische Feldformel*. Translated manuscript, 2025.
- [2] Mukherjee, Hrishi. *The Null Unity System of Equations*. Simulon Research Group, 2025.