

# HYPOSTATIC FIELD THEORY

## Axiom Page (Conceptual Foundation)

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### 1. Omni Field Postulate

A pre-geometric omni field exists as a homogeneous substrate of possibility persisting over ultra-deep time.

The omni field is not spacetime and contains no intrinsic geometry.

It is an ontological background within which physical instantiation can occur.

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### 2. Ontological Informational Energy (Eoi)

The omni field carries **ontological informational energy (Eoi)**.

Eoi encodes constraint structure and probability relations governing what configurations are admissible in principle.

Eoi is not dynamical energy, not a force, and not directly measurable.

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### 3. Operational Potential Energy (Eop)

Local realizability is quantified by **operational potential energy (Eop)**.

Eop is a local state parameter derived from the informational structure of the omni field.

Eop determines whether physical structures can instantiate within a region.

In particular, Eop governs the admissibility of:

- spacetime
- causality
- propagation of energy
- propagation of information
- emergence of physical law

Eop is not a conserved quantity and does not replace known physical energies.

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### 4. Event Ontology

Reality is fundamentally composed of **events and relations between events**.

There are no primitive spatial points or objects embedded in pre-existing geometry.

Instead:

events → relations → propagation

Spatial structure emerges from the relational network of interactions.

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## 5. Mandatory Dynamics Principle

Static energy configurations are not admissible within the omni field.

Differences in operational potential necessarily generate interaction.

Formally:

$\Delta E_{op} \rightarrow$  propagation

Motion is therefore structurally unavoidable.

Equilibrium corresponds to balanced dynamic exchange rather than absence of motion.

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## 6. Emergence of Time

Time is not fundamental.

Time emerges as the **rate of change of interacting event structures**.

Operationally:

time  $\propto$  rate of state transitions

Without interaction or change, time has no physical meaning.

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## 7. Emergence of Geometry

Geometry is not a primitive property of reality.

Instead, geometry is a macroscopic description of propagation behavior within the event network.

The effective metric structure observed in physics arises as a statistical representation of propagation dynamics.

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## 8. Emergent Propagation Limits

Propagation requires internal coherence.

Finite coherence capacity imposes a universal ceiling on coherent propagation velocities.

The empirical constant ccc emerges as this coherence ceiling rather than as a postulated speed limit.

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## **9. Statistical Cosmogenesis**

Given sufficient omni-field volume and ultra-deep time, local concentrations of operational potential can reach singularity-grade levels.

When Eop exceeds an instantiation threshold:

spacetime, causality, and physical law emerge locally.

Universe formation is therefore a statistical consequence of omni-field dynamics rather than a triggered event.

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## **10. Regime Dependence of Physical Behavior**

Physical behavior depends on the surrounding operational regime.

High-Eop regions correspond to embryonic cosmogenic environments.

Lower-Eop regions correspond to mature physical universes.

Long-term evolution, including heat death, depends on the surrounding omni-field conditions.

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## **One-Sentence Compression**

Hypostatic Field Theory proposes that reality is an event-relational network governed by operational potential differences within a pre-geometric omni field, from which spacetime, causality, and physical law emerge as statistical structures of propagation.