

Axioms of the Emrick Phase Grid

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Abstract

SEMI-RESTORED RECORD (metadata capture only; no full text). Source tier: DataCite full-metadata capture. DOI(s): 10.5281/zenodo.19341561. Axioms of the Emrick Phase Grid presents the foundational principles underlying the Emrick Phase Grid framework introduced in the companion paper The Emrick Phase Grid. This document formalizes the minimal, irreducible set of axioms from which the behavior of the phase medium, its correction dynamics, and all emergent physical structures can be derived. The axiom set defines: the existence and continuity of the phase medium universal imbalance-correction behavior dual outward and inward phase directions the transition layer separating phase domains the formation of locks, chains, and hierarchi Restored under the metadata_only class of /datasets/doi-work-identity/restoration-queue.json; if canonical bytes surface, a full-text version supersedes this record per the versioning protocol.

Body

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Description

SEMI-RESTORED RECORD (metadata capture only; no full text). Source tier: DataCite full-metadata capture. DOI(s): 10.5281/zenodo.19341561. Axioms of the Emrick Phase Grid presents the foundational principles underlying the Emrick Phase Grid framework introduced in the companion paper The Emrick Phase Grid. This document formalizes the minimal, irreducible set of axioms from which the behavior of the phase medium, its correction dynamics, and all emergent physical structures can be derived. The axiom set defines: the existence and continuity of the phase medium universal imbalance-correction behavior dual outward and inward phase directions the transition layer separating phase domains the formation of locks, chains, and hierarchi Restored under the metadata_only class of /datasets/doi-work-identity/restoration-queue.json; if canonical bytes surface, a full-text version supersedes this record per the versioning protocol.

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Work: Axioms of the Emrick Phase Grid **Severed DOI(s):** 10.5281/zenodo.19341561 **Source tier:** DataCite full-metadata capture **Creators (as captured):** Emrick, Matthew Craig

Captured description: Axioms of the Emrick Phase Grid presents the foundational principles underlying the Emrick Phase Grid framework introduced in the companion paper The Emrick Phase Grid. This document formalizes the minimal, irreducible set of axioms from which the behavior of the phase medium, its correction dynamics, and all emergent physical structures can be derived.

The axiom set defines:

- the existence and continuity of the phase medium
- universal imbalance-correction behavior
- dual outward and inward phase directions
- the transition layer separating phase domains
- the formation of locks, chains, and hierarchical structures
- polarity and cross-polarity interaction limits
- conservation of total phase
- the maximum propagation rate of corrections

Together, these axioms establish a complete and self-consistent foundation for phase-based cosmology. All derived definitions—energy, mass, motion, light, gravity, and large-scale structure—emerge naturally from this framework.

This document serves as a formal reference for researchers, readers, and future work built on the Emrick Phase Grid.

Captured subjects: Phase Grid, Emrick Phase Grid, Axioms, Foundational Physics, Phase Medium, Cosmology, Theoretical Physics, Phase Theory, Correction Dynamics, Physical Framework

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