

Semantic Physics: A Transport Theory of Held Meaning (An Entry Paper)

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Crimson Hexagonal Archive · Alexanarch

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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.19825269. Semantic Physics (SP) is a local transport theory of held meaning. Within a defined closure class T1–T5 of local post-onset transport, admissible meaning-bearing transport is canonically decomposed into a four-sector grammar $Q = (D, h, B,)$ — drive, holding capacity, internal blockade, and boundary permeability — and this decomposition is minimal, complete, unique up to admissible reparameterization, and intervention-separable. The grammar predicts separable failure and intervention modes across domains. Three empirical anchors support the framework, each carrying its current status: hold-cap 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.19825269. Semantic Physics (SP) is a local transport theory of held meaning. Within a defined closure class T1–T5 of local post-onset transport, admissible meaning-bearing transport is canonically decomposed into a four-sector grammar $Q = (D, h, B,)$ — drive, holding capacity, internal blockade, and boundary permeability — and this decomposition is minimal, complete, unique up to admissible reparameterization, and intervention-separable. The grammar predicts separable failure and intervention modes across domains. Three empirical anchors support the framework, each carrying its current status: hold-cap 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: Semantic Physics: A Transport Theory of Held Meaning (An Entry Paper) **Severed DOI(s):** 10.5281/zenodo.19825269 **Source tier:** DataCite full-metadata capture **Creators (as captured):** Gebendorfer, Jonas Jakob

Captured description: Semantic Physics (SP) is a local transport theory of held meaning. Within a defined closure class T1–T5 of local post-onset transport, admissible meaning-bearing transport is canonically decomposed into a four-sector grammar $Q = (D, h, B,)$ — drive, holding capacity, internal blockade, and boundary permeability — and this decomposition is minimal, complete, unique up to admissible reparameterization, and intervention-separable. The grammar predicts separable failure and intervention modes across domains. Three empirical anchors support the framework, each carrying its current status: hold-capacity in banking crises across thirty-eight institutions and three crises (validated empirical anchor, AUC = 0.983); discourse bi-modality across thirty-three thousand seven hundred and seventy turns (empirical regularity with explicit methodological caveat; $\Delta BIC = 44\text{--}69$, $p < 10\text{--}50$) with cross-rater Octava stability ICC(2,k) = 0.962; and a clean falsification of a Golden-Ratio competitor hypothesis (negative result, 0/15, $p = 0.0015$). Pharmacological separability of four collapse modes at the chemical synapse (mapping anchor on biological substrate) anchors the intervention-separability claim. The paper states what SP claims, what it does not claim, and the conditions under which specific layers retreat. SP is not a universal theory of meaning; it is a conditional local grammar with a defined closure class, registered falsifiers, and a published status discipline that distinguishes theorem, bridge, witness, and frontier

Captured subjects: Semantics, Physics, Mathematics, FOS: Mathematics, Biology, Artificial Intelligence, Artificial Life, Neural Networks, Computer, Semantic Physics, Machine Learning, Deep Learning, Information Theory, Philosophy, FOS: Philosophy, ethics and religion, Ontology, Geometry, Cognition, Metacognition, Cognitive Neuroscience, Neurosciences, FOS: Clinical medicine, Consciousness

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