Cosmos 2026 02 21 Hierarchical Self Engineering Chain 1 Publication V1

Abstract

This publication provides a structured synthesis for Cosmos 2026 02 21 Hierarchical Self Engineering Chain 1 Publication V1, with claim-to-evidence framing and a validation path for downstream readers.

Keywords

cosmos, research, publication

Main Content

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Cohera Lab

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Abstract

This paper presents a sanitized and typeset Cosmos candidate with non-academic artifacts removed. The narrative is organized for publication review with explicit formal structure and falsification hooks.

Keywords cosmos, coherence, holographic framework, candidate synthesis

1 Introduction

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2 Coherence Functional

Let ρ denote the effective local state estimate. We use

$$\mathcal{C}(\rho) = \sum_{i \neq j} |\rho_{ij}|, \tag{1}$$

as the baseline coherence witness in this candidate pass.

3 Stability Threshold

A projected consistency proxy is defined by

$$\varepsilon = \|\Pi\mathcal{F} - \mathcal{F}_{\mathrm{loc}}\Pi\|_{\mathrm{op}}\,, \tag{2}$$

with acceptance criterion

$$\varepsilon < \delta_{\mathrm{coh}}. \tag{3}$$

4 Emergent Geometry Protocol

? Evidence extraction pending deeper review. Discussion to be expanded in subsequent research cycles. Verify central claims against primary paper and DOI source. Separate measured evidence from interpretation in final revision. Keep confidence conservative until corroboration is explicit.

Validation and Falsification

- Verify each central claim against primary sources.
- Reject interpretation claims when threshold stability fails under perturbation.
- Mark unresolved derivations with [REQUIRES HUMAN REVIEW] only when unavoidable.

Conclusion

Discussion is constrained to explicit claims and falsification hooks.