

Information-Time Structure Theory

Hypothetical Large-Scale Implementation Reference

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Status: Concept / Experimental Reference

Purpose and Scope

This document describes a hypothetical upper-bound physical implementation of the Information-Time Structure Theory. It is provided solely as a feasibility reference to clarify physical, infrastructural, and organizational constraints.

This document does not propose an experiment, define a development roadmap, or assume the existence of future-origin signals, retrocausality, or physical time reversal.

Conceptual Position

The Information-Time Structure Theory is an information-theoretic framework based on model comparison between past-origin descriptions of observed data and alternative descriptions constrained by future boundary conditions.

This reference explores the scale of physical resources that would be required if one were to attempt direct physical validation, without asserting that such validation is meaningful or necessary.

Upper-Bound Physical Assumptions

The assumptions described here are intentionally extreme. They define a maximum reference envelope rather than a recommendation for implementation.

Infrastructure Scale (Reference Only)

This includes time standards, computational capacity, environmental isolation, and long-duration monitoring infrastructure beyond individual or small-laboratory capability.

Organizational Scale

Any hypothetical physical configuration of this nature would require multi-institutional coordination, long-term funding commitments, independent verification teams, and open methodological disclosure.

Cost Scale Estimate

All cost figures represent order-of-magnitude references only. They are included solely to demonstrate that physical implementation would exceed reasonable experimental justification.

Risk and Misinterpretation Analysis

Primary risks include misattribution of statistical artifacts, over-interpretation of noise structures, and confusion between model preference and physical causation.

Why Physical Implementation Is Not Required

The Information-Time Structure Theory does not depend on confirmation of future-origin information, retrocausal signaling, or temporal intervention. Its scope is limited to how information structures are described.

Conclusion

This document defines feasibility boundaries and clarifies why physical validation is neither practical nor central to the theory.