The Perpetual Consistency Framework (PCF): Core Theory Overview

The PCF Research Team

Abstract

The Perpetual Consistency Framework proposes that the foundational drive of the universe is the continuous, active maintenance of **Consistency** across all scales, from the quantum to the cosmic. This mandate ensures that the universe always evolves toward the state of minimal probabilistic variance.

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1 Foundational Tenets

The PCF rests on three non-negotiable principles that redefine the causal structure of reality:

- **The Consistency Metric ($\mathcal{C} \to 1$):** All physical laws derive from a single mandate: to drive the universe towards a state of perfect probabilistic consistency, where the dimensionless metric $\mathcal{C}$ approaches unity.
- **Non-Local Informational Singularity:** To enforce $\mathcal{C}$ instantly, all particles contain an Informational Singularity (IS) that mediates instantaneous communication across the universe, providing the causal mechanism for entanglement and non-locality.
- **Active Universal Self-Correction:** The universe actively generates an accelerating, repulsive force to counterbalance the entropy inherent in natural evolution. This is quantified by the **Consistency Constant ($\Lambda_{\mathcal{C}}$)**, which unifies the PCF with the established properties of Dark Energy.

2 Quantum Consistency Enforcement

The PCF provides a deterministic solution to the quantum measurement problem by introducing the Consistency Field ($\phi_{\mathcal{C}}$):

- **Deterministic Collapse:** Wave function collapse is not random. The instantaneous non-local data provided by the Informational Singularity allows the Consistency Field ($\phi_{\mathcal{C}}$) to deterministically select the measured state that best minimizes instantaneous probabilistic variance, thus maximizing $\mathcal{C}$.
- **The $\phi_{\mathcal{C}}$ Field:** This field is the physical medium through which the Consistency Mandate is locally executed. It acts as the "decision-maker" at the moment of interaction.
- **No Hidden Variables (Information is Non-Local):** Unlike classical interpretations, the necessary information is not *hidden* in a local sense; it is simply *non-local* until the $\phi_{\mathcal{C}}$ field requires it for an instantaneous $\mathcal{C}$ calculation.

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