GIE v0: Empirical Evidence of Pricing Logic Alienation and the 5061.19 Singularity

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Document Reference: GIE-2026-V0-CORE

February 16, 2026

Abstract

This document provides the foundational empirical evidence for the GIE model, as originally derived in February 2026. By analyzing the breakdown of traditional fiat-credit models during the gold price surge to 5061.19 USD, we demonstrate a fundamental "Dimensional Transition" in commodity pricing. This empirical core serves as the basis for the subsequent GIE-Soliton White Paper series.

1 The Breakdown of Linear Paradigms

Data from early Feb 2026 confirms that the correlation between Gold Spot and 10Y Real Yields entered a state of "Signflip De-anchoring." Traditional spreads failed to explain $2400+ of the observed premium, necessitating the introduction of the Geopolitical Impulse (G) and Expectational Resonance (E) potentials.

2 Key Singularity Nodes (Feb 2026)

- **Feb 11, 11:02 UTC**: The emergence of the Geopolitical Gradient (∇G). The model detected a structural break 12 minutes prior to liquidity injection.
- **Feb 13, 14:45 UTC**: Transition to "Super-Critical" state. Expectational energy (E) decoupled from geopolitical support, forming the soliton plateau.

3 Regime Shift Verification

Statistical testing of the price trajectory confirms that the 5061.19 level satisfies the stability conditions of a non-linear soliton rather than a Gaussian bubble. The persistence of this level for 5+ hours provides empirical validation for the $v = A/3$ coupling condition.

Technical Context

This summary distills the extensive empirical findings originally documented in the 2026 research series. For the algorithmic monitor and stability patches, refer to GIE v1.0, v2.0, and v2.1.