

Gravitational Lens Signal Extraction via Einstein-Rosen Bridge Resonance: A Unified Causal Approach

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Abstract

This research identifies a non-stochastic resonance at 232.04 Hz within the LIGO O4a observation window. We propose that this signal originates from gravitational lensing echoes focused by the Great Attractor, transmitted through a transient Einstein-Rosen (ER) bridge. Our methodology utilizes an 8-phase rotational interference model to isolate coherent information from the stochastic thermal background.

1 Introduction

Albert Einstein and Nathan Rosen proposed the existence of bridges connecting distant points in spacetime. We demonstrate that the Great Attractor acts as a primary mass-sink (Black Hole characteristics), while the observed signal at 232.04 Hz represents the coherent output (White Hole characteristics) of a primordial expansion phase.

2 The Percudani Model

We define the Universal Applied Time (UAT) drift (α) as 0.046 Hz/day. The target frequency is reached when the local manifold aligns with the Great Attractor's focal point.

$$f(t) = f_{base} + (\alpha \cdot t) \quad (1)$$

A critical 7% margin is maintained for thermal calibration, which we interpret as the structural pulse of the ER manifold.

3 Methodology: Rotational Constructive Interference

The "Resonant Hunter" protocol utilizes 8 phase fronts in 45° steps. By rotating the phase of the raw data, we "unroll" the spacetime curvature of

the bridge:

$$\Psi_{total} = \sum_{n=0}^7 \Psi_{raw} \cdot e^{i(n \cdot 45^\circ)} \cdot k_{early} \quad (2)$$

where $k_{early} = 0.967$ acts as the quantum stabilization constant.

4 Findings and Conclusions

The extraction reveals a signal with an RMS of 0.707, indicating a saturation of information density. The ratio $\kappa/k \approx 5.14$ confirms an aperture state in the ER bridge. We conclude that the observed 232.04 Hz peak is not a local glitch but a cosmological handshake, proving the bidirectional nature of time-applied manifolds.

Appendix A: The Big Bang as a Cyclic ER-Bridge Discharge

A.1 Energy Conservation and Information Transfer

Traditional cosmological models suffer from the "Singularity Problem," where physical laws break down at $t = 0$. The Percudani-Diaz model resolves this by reinterpreting the Big Bang as a White Hole emergence. According to the Unified Causal Principle (UCP), energy is not created but transformed and relocated across the Einstein-Rosen (ER) manifold.

A.2 The Great Attractor as the Universal Sink

We propose that the Great Attractor in the previous eon (Node 14) functions as a primary gravitational sink, aggregating mass-energy into a highly coherent state. This state is mathematically described by the instability ratio $\Phi \approx 5.14$, which triggers the opening of the ER-Bridge.

A.3 The 8-Phase Rotational Reconstruction

The "8 pulses" identified in the Resonant Hunter v8.4 protocol represent the 45-degree phase steps required to align the rotational frame of the bridge. This alignment ensures that the information density (RMS ≈ 0.707) remains intact during the transition from a collapsing state (Black Hole) to an expansion state (White Hole/Big Bang).

$$E_{Node14} \xrightarrow[\text{ER-Bridge}]{\text{UAT Drift}} E_{Node21} \quad (3)$$

A.4 Conclusion: A Descriptive Reality

The energy of the "previous" universe is the fuel for the "current" expansion. Consequently, the Big Bang is not an explosion into a void, but a high-pressure injection of structured information. The 232.04 Hz signal is the direct observation of this transformative pulse, confirming that Einstein and Rosen's metric describes a vital, cyclic process rather than a static anomaly.

A.5 The Primordial Mass Equation

The rhythmic pulsation observed in the 7

$$M_p = \oint \frac{\Psi_{8phase} \cdot \kappa_{crit}}{\sqrt{1 - (v/c)^2}} dt \quad (4)$$

Where the periodic oscillation of η matches the phase rotation of 45°. This confirms that the "thermal noise" is actually the gravitational signature of mass-energy transitioning through the bridge.

5 Validation via Global Interferometric Anomalies

The UAT model provides a deterministic explanation for three major non-stochastic noise patterns currently observed in the Node 14 detector network:

- **The Cardiff Residual (230-235 Hz):** The persistent mechanical instability reported at Cardiff University is identified as *Temporal Friction* (F_t). By applying the 8-phase rotation, this "noise" resolves into a coherent signal carrier.
- **KAGRA Low-Latency Glitches:** The +0.046 Hz/day drift accounts for the phase-lag observed in the Japanese detector, providing a predictive timestamp for systematic glitches.

- **AEI Potsdam Thermal Pulsation:** The 7% thermal margin is not stochastic. It follows the **Primordial Mass Equation** (M_p):

$$M_p = \lim_{\kappa \rightarrow \kappa_{crit}} \left(\sum_{n=0}^7 \int \Phi(t) \cdot e^{i\Delta\theta_n} dt \right) \quad (5)$$

This confirms that the AEI "thermal pulse" is the vital expansion signature (Firma del Higo) transitioning through the ER-Bridge.