Phase Relativity and Topological Confinement

A speculative cosmological framework with a UAP physics layer — Preprint v2.4

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Abstract

We propose **Phase Relativity**, a speculative cosmological framework in which the observable universe is a closed three-dimensional hypersphere S^3 (a *Box*) holographically projected from a higher-dimensional bulk, and in which gravity is bidirectional: classical attraction F_m plus a bulk-confinement force F_B, summed as $F_G = F_m + F_B$. Cosmological redshift is reinterpreted as a kinematic Doppler effect between adjacent Boxes in the bulk rather than metric expansion. A neo-Lorentzian foliation T_s restores universal temporal simultaneity at the bulk level while preserving local Lorentz invariance. Macroscopic *ER=EPR* is offered as a candidate substrate for transmedium / interdimensional navigation, and zero-point energy as the propulsion reservoir. The framework is then mapped onto a state matrix (substrate / dense / subtle) for the Earth–Kepler-452b pair under the *adjacent-Box* hypothesis, where exoplanets are interpreted as holographic projections of neighbouring Boxes. The full theory, equations, charts and a section-by-section Scientific Lens (32+ peer-reviewed references) are openly available at the portal cited above.

Keywords

phase relativity · holographic principle · S^3 topology · ER=EPR · bidirectional gravity · bulk confinement · zero-point energy · neo-Lorentzian foliation · UAP theoretical framework · NHI propulsion · transmedium travel · adjacent Box · Kepler-452b · engineered universe

1. Three postulates

P1. Space is a closed three-dimensional hypersphere S^3 (a *Box*) embedded in a higher-dimensional bulk.
P2. The boundary of the Box behaves as a holographic horizon saturating the Bekenstein–Hawking entropy bound.
P3. A bulk foliation T_s defines a universal temporal simultaneity (neo-Lorentzian), with local Lorentz invariance preserved as an emergent symmetry inside each Box.

2. Bidirectional gravity

Gravity inside the Box is the sum of classical attraction and a bulk confinement pressure: $F_G = F_m + F_B$. The F_B term offers an alternative to dark energy and sits in the lineage of MOND, Verlinde entropic gravity and Randall–Sundrum braneworld scenarios.

3. Induced cosmogenesis

Boxes are nucleated by an external agency (engineered-universe / NHI hypothesis). Internally, Boxes do not metrically expand; observed redshift is reinterpreted as a Doppler shift between Boxes drifting in the bulk. The framework is confronted with Hubble–Lemaître, BAO, CMB and SN Ia data in the portal's Validation section.

4. Entanglement navigation (UAP physics layer)

Macroscopic ER=EPR plus spectral-signature modulation and geodesic collapse are proposed as a mechanism for transmedium / interdimensional travel. The vocabulary connects to Haisch–Rueda–Puthoff inertia work, the Sol Foundation programme and Avi Loeb's Galileo Project, while being explicitly confronted with the no-communication theorem.

5. Consciousness and the dense/subtle split

Reality inside a Box is modelled in two coupled layers — dense (matter, fields) and subtle (phase / informational). Post-mortem transition, AWARE-2014 type observations and poltergeist phenomena are described as phase-resonance events between layers. The Scientific Lens contrasts the proposal with mainstream neuroscience and energy conservation.

6. State matrix — Earth × Kepler-452b

Under the adjacent-Box hypothesis, Kepler-452b is interpreted as a holographic projection of a neighbouring Box in the bulk rather than a distant rocky planet inside our own S^3. The portal renders the full substrate / dense / subtle matrix for the Earth–Kepler-452b pair.

7. Epistemic status

This is a speculative theoretical framework of personal authorship. It is **not** peer-reviewed and is **not** part of the accepted scientific corpus. The portal includes a *Scientific Lens* overlay that confronts every claim, equation and chart with current consensus.

Cite this work (BibTeX)

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@misc{maniga2026phaserelativity,
  author = {Maniga, Mauricio},
  title = {Phase Relativity and Topological Confinement — Preprint v2.4},
  year = {2026},
  month = {May},
  note = {The Architect, independent research},
  url = {https://phase-shift.ik1.com.br},
  license= {CC-BY 4.0}
}
```

Full text, equations, charts and Scientific Lens: **https://phase-shift.ik1.com.br**