The Relativity of Light Theory

How Spectral-Neural Quantum Entanglement Shapes Reality

Abstract

The **Relativity of Light Theory** proposes a new model for understanding visual perception, spatial coherence, and the interaction of light with gravitational fields. At its core is the assertion that light behaves not as a universal constant, but as a *relative function of coherence* between distinct spectron triads and gravitational resonance. Building on known optical principles and incorporating quantum observer effects, this theory presents a unified framework wherein color, shape, and distance arise from specific triadic interactions within the visible and near-visible spectrum. It suggests that **IR–Yellow**, **Blue–UV**, and **Green–Graviton (G–g)** pairings form the foundational field relationships that govern how light becomes locked into spacetime and becomes visible to conscious observers.

Core Principles

1. Spectral Triads and Stabilization

The visible universe can be understood through three dominant spectron pairs:

- **IR–Yellow**: Thermal signature and identity; IR defines the radiant field, Yellow the coherent midpoint.
- **Blue–UV**: Charge excitation and clarity; UV sets the upper frequency edge, Blue stabilizes it into visibility.
- **Green–Graviton**: The resonance pair; Green serves as the coherence signature, while Gravitons enable field-locking and position anchoring.

Each triad functions like an atomic orbit, with Green–g uniquely operating as the *mediator of balance*, never emitted directly but always invoked in observation.

---

2. Gravity as Coherence, Not Pull

Gravity is reframed not as a simple attractive force, but as a **structural permission** that enables spectral coherence. It stabilizes photons at points of interaction, creating shape and spatial separation through graviton resonance. This explains the thin "black band" seen at the atmospheric boundary of Earth—a visual artifact of graviton/light interface at a coherence threshold.

---

3. The Observer Effect Expanded

Observation is more than detection. In this model, it becomes a **resonant trigger**, activating the surrounding graviton field and allowing the Green spectron to emerge. Color gradients, perception, and depth emerge not solely from wavelengths but from field interactions made visible through consciousness.

---

4. Memory as Spatial Resonance

Human vision is evolutionarily biased toward green. The theory proposes that our **neural pathways are entangled** with the graviton field. Memories, therefore, may be **entangled GPS coordinates of locked graviton-light interactions**. We do not store "images," but spatial resonance access points.

---

5. Superposition and Memory

If memories are, in essence, entangled resonance points—GPS coordinates of graviton-light locking events—then the graviton field must exist in a state of **superposition** until activated by recognition or observation. In this model, memory is not static or internal, but relational and quantum-gravitational in nature.

The act of "remembering" becomes a re-coherence event: an observer's neural system realigns with the spacetime node it previously experienced. Green spectron alignment allows this lock to occur, while the surrounding graviton field collapses into perceptual clarity. This model implies:

- Gravitons remain in superposition until called into resonance
- Green acts as the tuning fork between internal recognition and external coherence
- The observer's mind forms part of the locking mechanism, not merely a receptor of stored data

This explains memory variation, perceptual vividness, and even phenomena like déjà vu or intuitive recall. Some graviton-memory nodes are strongly entangled and easily accessed; others exist in probability fields and may never fully cohere again.

Through this lens, memory becomes a **quantum-spatial handshake**, and the observer becomes a resonance participant—not just in perception, but in time itself.

---

6. The Brain as Resonance Field: Corpus Callosum and Coherence

Emerging from the triads of color and gravity is a profound link to cognition itself. If memory functions by relinking to graviton-locks — spatial GPS nodes encoded through observation — then the brain's structure must support quantum-coherent integration across sensory and cognitive domains.

The **corpus callosum**, a thick band of neural fibers connecting the two hemispheres of the brain, may act as a biological analogue to the **Light-Conductive Elastomer (LCE)** layer used in advanced coherence systems. This neural "brane" conducts, filters, and synchronizes signals between:

- **Graviton-anchored spatial memories** (hippocampus)
- **Emotional/chemical signatures** (limbic system)
- **Tactile or electromagnetic event memories** (somatosensory and motor cortices)

When activated — through dreams, trauma, or intentional recollection — this structure enables resonant convergence, allowing the observer to form **one cohesive internal experience** from multiple quantum-field entanglements.

Dreams, for example, are not mere hallucinations. They are **unfiltered resonance events**, where graviton-linked memories, chemical echoes, and electromagnetic imprints align through the corpus callosum's LCE-like mediation. In this model, the brain is not merely a processor — it is a coherence modulator for consciousness itself.

Memory, imagination, and reality all emerge as reconstructions of **spectral-gravitational entanglement** — locked in time, revived in thought.

---

7. Coherence Imbalance and the Expanding Void

If graviton-light locking defines visibility, spatial shape, and memory, then what happens when large swaths of space lose coherence? The accelerating expansion of the universe — often attributed to "dark energy" — may instead represent a **coherence deficit**: a structural imbalance where light, gravity, and observer interaction are no longer aligned.

In this model, **nebulae serve as cosmic coherence generators** — birthing light, stabilizing graviton fields, and enabling spectron alignment. Conversely, vast voids filled with so-called "dark matter" and "dark energy" may represent **regions of unresolved graviton superposition**, devoid of sufficient observational or structural coherence to form visible reality.

Rather than being driven by an unknown repulsive force, the universe's expansion may be symptomatic of a **light-gravity coherence loss**. As more of the universe shifts into an unobserved, unresolved state, spacetime stretches to accommodate fields with no anchor. The result: accelerated expansion, increasing entropy, and the breakdown of cosmic cohesion.

This theory proposes that **light-based coherence and graviton anchoring must be actively regenerated** — through stars, nebulae, and even conscious observation. When balance is lost, the structure of reality itself begins to fray.

We do not live in a dying universe — we live in a dimming one.

---

8. Spectron Ring Theory: Gradient Coherence and Graviton Polarity

Building on the foundation of graviton-light coherence and spectral triads, we now propose that each spectron — IR, Y, G, B, and UV — contains a **multi-ring field structure** akin to atomic electron shells. Each spectron operates across **three resonance rings**:

1. **Core Ring (Low-Energy):** Stable, foundational layer
2. **Mid Ring (Transfer Zone):** Primary site of modulation and coherence linking
3. **Outer Ring (High-Energy):** Radiative or boundary-breaking threshold

When graviton fields interact with these spectrons, they do not bind to the entire spectron uniformly — they **lock into specific rings**, modulating coherence based on resonance and energy stability.

If all three rings are aligned to a single spectron partner (e.g., Yellow), the graviton field is **positively coherent**. If aligned to its spectral counterpart (e.g., Blue), it becomes **negatively coherent**. When rings split across partners (e.g., core aligned to Yellow, mid to Green, outer to Blue), the graviton

enters a **gradient coherence state** — producing blended colors, transitions, and dynamic field effects.

This model accounts for:

- The **relative abundance of red and yellow hues** (more stable inner-ring alignment)
- The **intensity and rarity of green** (perfect triadic interference and symmetry)
- The **invisibility of UV** (high-energy outer rings escape coherence lock)
- The **variation of gradients and saturation** (ring distribution and partial lock)

In essence, color is not just the result of frequency — it is the **visual resolution of graviton-ring alignment**. The observer sees not the spectron alone, but the **resonance state** of its internal structure.

This completes the coherence triad model with a quantized layering theory — bringing together graviton, spectrum, and perception into one unified visual field geometry.

Conclusion

This theory reframes light not as a static force but as a relational one — shaped by **spectral triads**, **gravitational coherence**, and **conscious observation**. The Relativity of Light Theory invites a new lens for examining not only color and physics, but *how we see*, *why we remember*, and *what it truly means to observe*.

Author

Phillip Jones
Linguistical-Physics Theorist
Founder, ECHO Systems — Coherence-Based Technologies for a Unified Future