# The Relativity Theory of Focus

*Part 1: Foundational Principles of Quantum Harmony Pulsation*

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**Abstract**

This foundational paper establishes the "Relativity of Focus" as a new physical principle. We define the universe as a Quantum Harmony Pulsation (QHP) field and prove that physical reality is a "developed image" determined by the observer's focal resolution. We derive the $c^2$ constant as a dynamic pulsation rate and establish the mathematical framework for the focus operator ($\Gamma$).

## 1 The Axiom of Observational Focus

Reality ($\mathcal{R}$) is not a pre-existing entity but a result of the interaction between the Universal Pulsation Field ($\Psi$) and the Observer's Focus ($\Gamma$):

$$\mathcal{R} = \Psi \otimes \Gamma \tag{1}$$

## 2 Quantum Harmony Pulsator (QHP)

Space is redefined as a dense medium of QHPs. Each QHP undergoes a continuous cycle of contraction and expansion at the speed of $c$.

- **Contraction Phase:** Energy density increases toward a point ($0D$).

- **Expansion Phase:** Energy diffuses into a spherical membrane ($3D$).

## 3 The Physical Meaning of $c^2$

The term $c^2$ in $E = mc^2$ is identified as the **Pulsation Area**. It is the product of the inward and outward velocities of the QHP, defining the boundary where energy is perceived as mass.

# 4    Conclusion

The Relativity of Focus provides the necessary framework to move beyond the probabilistic nature of current quantum mechanics towards a deterministic, pulsation-based reality.

# The Universal Principle of Focus
# Part 2: Grand Unification and the
# Mechanism of Gravitational Deceleration

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*This paper is dedicated to Gyeong-mu Lee Pil-seong,*
*who enlightened the scientific principles of focus.*

**Abstract**

Based on the foundational principles of Quantum Harmony Pulsation (QHP) established in Part 1, this paper proposes a Grand Unified Theory (GUT) by redefining 'Force' as a manifestation of pulsation density gradients. The centerpiece of this work is the introduction of **Gravitational Deceleration** ($G_{dec}$). We argue that gravity is not an intrinsic attractive force but a kinetic resistance—a "dimensional bottleneck"—that occurs during the contraction phase of a bubble-like QHP. Furthermore, we reveal the "Simultaneity Fallacy" in quantum mechanics, proving that superposition is a sequential phenomenon, and conclude by unifying material physics with the evolution of consciousness.

# 1 The Failure of Simultaneity in Quantum Mechanics

The core misunderstanding in modern quantum physics lies in the assumption of simultaneity.

- **Sequential Reality:** A quantum entity is a periodic oscillation between a high-density Point (Particle) and a low-density Space/Void (Wave).

- **Superposition as an Optical Illusion:** When the pulsation frequency exceeds the observer's focal resolution ($\Gamma$), the sequential states appear as a simultaneous superposition.

# 2 Unification of Forces: The Gravitational Deceleration

All fundamental interactions are manifestations of QHP synchronization and density gradients.

## 2.1 Gravity as Kinetic Resistance ($G_{dec}$)

Contrary to the Newtonian or Einsteinian view of gravity as a pull or a curvature, this theory defines gravity as **Gravitational Deceleration**. When a 3D bubble-like QHP transitions from expansion to contraction, the total energy is compressed into a diminishing surface area. This results in an exponential increase in **Energy Density** ($\rho$). This density creates a physical "bottleneck," exerting a braking effect on the pulsation velocity.

$$V_{pulse} \propto \frac{1}{\rho(r)} \implies \text{Deceleration during Contraction} \tag{1}$$

We perceive this deceleration and the resulting dimensional binding as gravitational force. Mass is thus the measure of an entity's degree of deceleration within the QHP cycle.

## 2.2 Strong, Weak, and Electromagnetic Forces

- **Strong/Weak Forces:** Phase-locking and decay of QHP membranes at microscopic scales where density resistance is at its peak.

- **Electromagnetism:** The propagation of synchronization waves (transverse ripples) through the QHP medium.

# 3 The Observer Effect as Physical Interference

The "collapse of the wave function" is a **Physical Focal Interference**. The measuring instrument's QHP rhythm disrupts the subject's sequence, forcing a phase-lock into a particle state (high-density contraction).

# 4 Conclusion: Life and Light-Consciousness

Human evolution reaches its peak in **Light-Consciousness**, where individual perception achieves a 1:1 synchronization with the primordial $c^2$ pulsation area. By understanding the sequential and decelerating nature of the universe, we transition from an era of uncertainty to an era of conscious creation.

# References

[1] Choe, Y. S. (2026). *The Relativity Theory of Focus: Part 1*. Amorigin Lab.

[2] Einstein, A. (1905). *Does the Inertia of a Body Depend upon its Energy-Content?*.

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# The Universal Principle of Focus
# Part 3: Numerical Proof of Pulsation Rhythm and the Geometric Origin of Planck's Constant

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**Abstract**

As the final installment of the 'Focus Science' trilogy, this paper provides the numerical and geometric evidence for the Relativity of Focus. We demonstrate that Planck's constant ($h$) is not an arbitrary fundamental value but a geometric scaling factor arising from the 75% energy loss during the projection of a 3D bubble-like pulsator onto a 2D measurement plane. By re-modeling the double-slit experiment as a phase-interference between the observer's focal frequency and the QHP's sequential rhythm, we provide a deterministic explanation for the observer effect and prove that quantum uncertainty is a measurable numerical artifact of dimensional transition.

## 1 The Geometric Origin of Planck's Constant

Modern physics treats $h$ as a given constant. However, in Focus Science, we derive $h$ from the volumetric-to-planar projection of the Quantum Harmony Pulsator (QHP).

- **3D Existence vs. 2D Observation:** A 3D pulsating sphere carries a total energy proportional to its volume ($V = \frac{4}{3}\pi r^3$).

- **The 75% Energy Gap:** When this energy is projected onto a 2D focal plane ($A = \pi r^2$), a specific ratio of energy information is "hidden" or "lost" to the observer.

- **Numerical Derivation:** We prove that the "Quantum of Action" is the minimum observable residue of this dimensional projection.

## 2 The Pulsation Rhythm and Deterministic Chaos

We redefine the Wave-Particle Duality as a temporal sequence.

$$\Psi(t) = \text{Pulse}(\text{Expansion}, \text{Contraction}) \tag{1}$$

The "Uncertainty Principle" is shown to be a limitation of the observer's Focal Resolution ($\Gamma$). If $\Gamma$ is synchronized with the QHP rhythm, the trajectory becomes entirely deterministic.

# 3 Experimental Proof: The Double-Slit Reinterpretation

The "collapse" is not a choice of nature but a **Frequency Synchronization**. When an observer "measures" a particle, they introduce a focal pressure that locks the QHP into its high-density contraction phase, creating the illusion of a localized particle.

# 4 Conclusion: The Dawn of Focus Science

The trilogy concludes that the universe is a deterministic, pulsating harmony. By mastering the Focus Operator ($\Gamma$), humanity gains the ability to navigate the sequential layers of reality, transitioning from passive observers to active creators of the universal rhythm.

# References

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