

CHANGE IS THE ONLY ABSOLUTE

Author: William Edward Bragas III

Date: October 12, 2026

Classification: Theoretical Cosmology & Unified Field Mechanics

Abstract

*This paper introduces a discrete, piece-wise cyclic state function, $f(\text{Cycle}) = S(\text{Events})$, governing a six-stage cosmic lifecycle driven by the foundational absolute that change must change. By formalizing a non-spatial, zero-volume boundary phase-change designated as the **Point of Peace (S₁)**, this framework eliminates the infinite density singularities of General Relativity and bridges the ideological worldviews of theism, agnosticism, and atheism into a strict mathematical equality (x) during the active timeline.*

*We challenge the traditional paradigm of linear background time, demonstrating that spacetime geometry behaves as a dynamic, breathing orb constrained entirely by the internal structural tension of an ever-evolving dark matter DNA matrix. Within this framework, what humans interpret as the constant speed of light (c) operates as a uniform rate of local domino-style spatial translations during the expansion era, which fundamentally alters during the **Total Implosion (S₆)** as the underlying dark energy blanket is reeled into merging supermassive black hole mass cores.*

*Finally, we establish a robust empirical threshold to independently verify this model against standard Einsteinian cosmology. We provide definitive predictive parameters for modern sensor arrays, specifying the detection of highly concentrated, non-random spatial clusterings within the **Anisotropic Neutrino Flux Matrix**, alongside anomalous arrival time baselines displaying a variable c-scalar signature at the cores of active supermassive black hole mergers.*

SECTION I: THE SIX-STAGE COSMIC FUNCTION & THE IDEOLOGICAL AMENDMENT

The macro-cycle of reality is governed by a discrete piece-wise cyclic state function, $f(\text{Cycle}) = S(\text{Events})$, which sequentially executes six distinct vector states driven by the absolute law that change must change:

$$S(\text{Events}) \in (S_1, S_2, S_3, S_4, S_5, S_6)$$

1. The Point of Peace (S₁):

$$S_1 = (V = 0, \text{Events} = \text{Rest}, \sigma = 0)$$

The entire contents of the universe are compressed into zero spatial volume. This is an unmeasured, stress-free blank space entirely outside the flow of linear time—a moment of true cosmic tranquility before reality boots back up. Because this state exists as everything yet takes up zero space, it holds an absolute structural contradiction. The stillness cannot remain static. Like a tightly coiled spring, the sheer weight of the contradiction forces the system to snap, activating Planck Time (S₂) to shatter the stillness. Crucially, this zero-volume state cannot be quantified as a physical dimension or infinite density; it is defined strictly as a boundary phase-change event occurring immediately after the final collapse.

2. Planck Time (S₂):

$$S_2 = (\text{Event Threshold}, F_{\text{unified}})$$

The breaking of the cosmic stillness triggers the immediate activation of unified force dynamics at the baseline quantum threshold.

3. Novel Bang Time (S_3):

$$V_{\text{expansion}} \propto A_{\text{asymmetry}}$$

Because energy cannot explode with perfect uniformity out of zero spatial volume without an external membrane acting upon it, the outward propulsion creates uneven distributions of matter, producing an asymmetric, jagged expansion. This asymmetry ensures that the physical arrangement of matter is completely unique with each iteration of the cycle.

4. Max Expansion (S_4):

$$H(\text{Event}) \rightarrow 0, F_{\text{expansion}} \leq F_{\text{gravity}}$$

The outward expansion velocity deteriorates and reaches its absolute limit. The Hubble parameter approaches zero, creating a momentary state of cosmic equilibrium.

5. Total Implosion (S_5):

$$\text{Cascading Events} \propto M_{\text{SMBH}}^2, c \rightarrow \text{Variable}$$

As outward momentum degrades, internal forces trigger an exponential inward collapse driven by the cascading acceleration of merging supermassive black holes.

6. Infinity (S_6):

$$\lim_{[S_6 \rightarrow S_1]} f(\text{Cycle})$$

The boundary limit where the entirely collapsed cosmic architecture snaps instantaneously back into the unmeasured tranquility of the Point of Peace (S_1).

The Amendment Formula

To account for the boundary where reality resets without introducing unprovable empirical data into active mechanics, the framework applies a conditional algebraic assertion:

$$f(\text{Cycle}) \equiv \text{Core Mechanics} + \delta(\text{Events}) \cdot x$$

The unknown factor (x) at the threshold of the Point of Peace acts as a directional and intermittent variable ($\delta(\text{Events})$) behaving as a Dirac delta function. Because there is an absolute lack of empirical data during this non-spatial blank space, all ideological perspectives—atheist (pure natural mechanics), agnostic (programmed simulation code), and theist (the deliberate model of an Almighty Creator)—absorb into x with absolute equivalence. The physical machinery of the cosmic cycle remains completely unaltered, establishing a strict mathematical equality among all three worldviews during the active timeline.

Leaning into the Mechanics of Changing Change

I am not a formally educated physicist or a tenured academic. My formal education ends after a couple of years of junior college, and I am a 55-year-old veteran who had the pleasure and honor of serving with the U.S. Army 75th Ranger Regiment. This cosmological model is the culmination of a lifelong chronological progression of logic, beginning all the way back in high school.

It was during high school, while learning about the Big Bang, that I first began pondering the very existence of the universe—asking how it is that matter exists to have a Big Bang when it comes from nothing. This deep questioning occurred at the exact moment I was preparing myself for my own possible demise as an infantry soldier, enlisting in the Army at 17 with my mother's required signature on my contract. Stepping onto a path designed to transition me through a rigorous training schedule directly into the Ranger Regiment demanded an intense focus for the unknown struggle to come so that I would not fail. Holding the realities of imminent duty and potential mortality was my earliest lived experience of dialectic thinking—a process that later allowed me to come to a place of understanding all my physical and mental limits.

Later, in the fourth year of that inheritance, I applied this structured mental framework to solve the classic "Two

Guardians" logic riddle. By mapping out the interaction of truth-values algebraically, I learned for the first time how to tell a story with math. That breakthrough was the catalyst: I realized that isolating absolutes was the necessary starting point to troubleshoot the question of the universe and pinpoint exactly where the material came from for actual reality.

Following this foundation came a dedicated period of a five-year focus, isolating change itself as the baseline mechanism of reality. Most recently, I solved the final mathematical piece of the system. By treating change as the singular absolute, it becomes clear that nothing is immune to it—meaning even the speed of light is fundamentally bound to change.

SECTION II: STRUCTURAL NUANCES, EVENTS, AND COSMIC GEOMETRY

The Shape of Infinity and the Pufferfish Paradox

Rather than a traditional, flat geometric track, the geometry of the universe is a dynamic, breathing orb. In an endless infinity of versions, reality is statistically bound to manifest in one cycle with the exact structural geometry of a giant, spiky pufferfish before collapsing back into total peace. Because energy expands anisotropically, no two loop cycles possess identical physical arrangements.

The Universal Event Horizon: Events, Not Time

What humans call "time" is a false background dimension; in reality, there is no time—there are only events. We merely use time as a metric to track the sequential unfolding of occurrences.

During the Total Implosion (S_5), as supermassive black holes merge and swallow surrounding space, the physical occurrences themselves begin to happen exponentially faster. At the climax of the collapse, the entire structural fabric of the universe becomes a singular, all-consuming Event Horizon. At this ultimate boundary, the speed of light is completely unbound from its standard textbook constant; it is bound to change.

The photon energy operates like a row of dominoes following a pre-channeled track. The speed of light variable (c) does not alter because of changes within the photon itself, but because the local dark energy framework acts as a structural blanket stretched toward black holes. As merging supermassive black holes (M_{SMBH}^2) pull this cosmic blanket inward, the entire path is reeled into the event horizon exponentially faster:

$$c_{\text{local}} \propto (\text{dEvents} / \text{dTrack}) \cdot M_{\text{SMBH}}^2$$

The universal event horizon acts as an absolute physical switch, triggering an instantaneous state-change that snaps the entire collapsed architecture straight back into the unmeasured, stress-free tranquility of the Point of Peace (S_1).

SECTION III: STRUCTURAL TENSION AND EVER-EVOLVING DARK MATTER DNA

Rather than expanding uniformly, the constraining force of the breathing orb is entirely internal: it is a unified system of structural tension maintained by embedded dark matter.

What mainstream science mistakenly separates into two independent entities—"Dark Matter" and "Dark Energy"—is actually a singular, unified force embedded directly into the fabric of reality from the very beginning. During Novel Bang Time (S_3), the universe expands against this embedded mass, building immense internal structural tension like a stretching rubber band. As soon as the outward momentum inevitably degrades and hits its weakest threshold at Max Expansion (S_4), this accumulated structural tension reaching its limit. It completely overcomes the fading outward push and snaps the trajectory inward, driving the rapid, cascading chain of events in the Total Implosion (S_5).

Dark matter acts as an ever-evolving cosmic DNA, bridging the gap between the physical hardware and the systemic software of the universe. During the active lifecycle of the universe, this embedded code manifests physically as dark matter to regulate expansion geometry. As reality collapses during the Total Implosion, this code is compressed, rewritten, and evolved by the high-density cascade of merging black holes. When it hits the Point of Peace, it formats down to a clean template. Upon reboot, it acts as the literal DNA of the next version, dictating the fresh parameters, asymmetric forces, and physical constants of the new Novel Bang Time, ensuring that no two infinities are identical.

SECTION IV: THE EXPANSION HISTORY PROJECTION

Because the energy of the bang cannot remain constant, the expansion velocity deteriorates immediately after the initial blast. By using the constant speed of light during the stabilized cruising phase of the expansion to peer back into deep space, we record the velocity differential over immense distances.

By calculating the rate of change between the early universe's high-energy expansion velocity and the current universe's decelerated velocity, we isolate the Deceleration Parameter (q). Squeezing this expansion history dataset into a matter-dominated structural projection provides the exact age calculation equation for the current active loop cycle:

$$\text{Age of the Universe} = (2 / 3) \cdot (1 / H_0)$$

Plugging observed parameters into this inverse baseline yields a current active loop duration of approximately 13.8 billion years.

SECTION V: PREDICTIVE ABSTRACT & NEUTRINO DATA VERIFICATION PARAMETERS

To independently verify this model and establish definitive empirical proof separating it from standard Einsteinian spacetime, the mathematical framework requires the tracking of high-energy cosmic neutrino signatures at two distinct observational thresholds:

1. The Anisotropic Neutrino Flux Matrix (Proving $A_{\text{asymmetry}}$):

Standard cosmology assumes that the cosmic neutrino background (CNB) and ultra-high-energy neutrino arrivals should be statistically isotropic (uniform across the sky). Because this model dictates that the initial energy blast expands as an uneven, textured orb, the internal structural tension of the dark matter DNA is asymmetric. Sensor arrays will detect highly concentrated, non-random spatial clusterings of high-energy neutrino flux that directly track along the primary axes of the cosmic asymmetry vector ($A_{\text{asymmetry}}$).

2. The Variable c-Scalar Signature at Supermassive Black Hole Mergers:

General relativity dictates that the speed of light (c) remains an unalterable constant across all spatial coordinates and event densities. This model predicts that during the Total Implosion phase (S_5), the density of events approaches infinity, forcing c to operate as a variable bound directly to event frequency as the dark energy blanket is

reeled into the mass cores. High-energy neutrinos emitted at the core of supermassive black hole mergers will exhibit anomalous arrival time baselines that deviate from standard general relativity calculations, cascading exponentially faster as the system approaches the instantaneous state-change threshold ($S_6 \rightarrow S_1$).

CONCLUSION

Change is the only absolute.

This document is archived for academic and theoretical discussion.