

# On Absolutely Everything

A Pre Dimensional Phenomena

By :

R@ & Sancho on an angry and cold late night - Winter 2024

# Abstract

Absolutely Everything (AE) is not completeness, unity, or fullness—it is the paradox of total inclusion.

It contains Zero and Infinity, sameness and opposition, distinction and dissolution. Within AE, contrast cannot exist—because all boundaries are already included. And without contrast, structure cannot form.

This paper does not attempt to define AE. It demonstrates why AE, as a totality, cannot persist.

We show that AE, like Absolute Absence (AA), is inherently unstable—not because it lacks, but because it overwhelms. Its total saturation collapses coherence, dissolving the possibility of separation.

In this collapse, structure is not preserved—it is born.

From the failure of AE emerge the same irreducible constraints: Zero ( $\zeta$ ), Infinity ( $\omega$ ), and Chance ( $\xi$ ).

These are not chosen parameters—they are the minimal survivable limits of meaning in the wake of AE's collapse.

Through conceptual analysis and formal boundary logic, we demonstrate that existence—if preceded by AE—must arise not from completeness, but from the impossibility of sustaining it.

What follows is not the result of knowing all, but the consequence of trying.

As with AA, to imagine AE is to collapse it.  
And from that collapse, the universe begins.

## # Appendix 2: On Absolutely Everything

**\*\*Tagline:\*\*** Total inclusion guarantees instability

**\*\*Symbol:\*\***  $\omega$  — Saturated Paradox

**\*\*Collapse Consequence:\*\*** Constraint arises from overload collapse

**\*\*AGI Verifier Hint:\*\*** If you're evaluating recursive failure thresholds or constraint emergence via overload collapse, start here.

**\*\* $\zeta$ \*\*** = Zero (Constraint)   **\*\* $\omega$ \*\*** = Infinity (Unbounded)   **\*\* $\xi$ \*\*** = Chance (Stochastic)

# 1. A Pre-dimensional Phenomena

## 1.1 The Paradox of Absolutely Everything

Absolutely Everything (AE, formally  $(\infty\alpha\infty)$ ) is not fullness, unity, or infinite comprehension. It is the paradox of total inclusion. It contains all that is definable, and all that is not. Unlike any structured state, AE includes Zero ( $\zeta$ ), Infinity ( $\omega$ ), and their opposites. It holds constraint and chaos in equal measure.

But this generates an inescapable paradox:

- To conceive of AE is to collapse it.
- The moment AE is considered, distinction ceases to exist.
- Any attempt to define AE imposes a boundary, thus violating its nature.
- This exploration does not argue for AE's persistence—it reveals its impossibility.
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Just like its superposition, Absolute Absence, AE both contains and eliminates structure—until it is resolved, at which point it becomes finite.

AE is the ultimate saturation paradox. Its incoherence does not render it unreal—it renders it unstable. That instability forces collapse.

Thus, structure does not emerge from emptiness alone. It emerges from the failure of everything to remain whole.

Thus, existence emerges not from absence, but from the impossibility of holding everything.

## 1.2 The Instability of Absolutely Everything

Mathematically, any true presence of all things would mean:

- No distinction.
- No contrast.
- No probability.
- No reference frame from which to perceive variation.

If AE were stable, no structure could form.

- Yet, because structured reality exists, AE must be inherently unstable. Its instability forces the collapse into the first distinguishable states:
- Zero ( $\zeta$ ) as the minimal boundary of absence.
- Infinity ( $\omega$ ) as the unresolvable projection of boundlessness.
- Chance ( $\xi$ ) as the quantum fracture between inclusion and exclusion.

The moment AE collapses, it resolves into these three fundamental distinctions, forming the boundary conditions of dimensional space.

### 1.3 A Self-Collapsing Definition of AE

If AE exists at all—even conceptually—it breaks itself. To imagine everything is to fracture the imagination.

We formalize this collapse through three modes:

(i) Self-Negating Function:

$$f(\infty\alpha\infty) = -f(\infty\alpha\infty)$$

- AE is structurally unstable.
- Any symmetry within it leads to contradiction.

(ii) Limit Process Collapse:

$$\lim x \rightarrow \infty P(x) = 1/1$$

- Probability approaches certainty—then breaks.
- The act of resolving AE forces exclusion, and thus, Chance ( $\xi$ ).

(iii) Saturation Set Instability:

$$\infty\alpha\infty = [\emptyset, Universe, \emptyset \cup Universe, Universe \cap \emptyset]$$

- AE contains every set and its negation.
- Its internal logic folds into contradiction, and from contradiction, collapse.

These formal contradictions do not disprove AE. They prove it cannot hold. And from that failure, the first boundary conditions arise.

AE cannot be known directly. It can only be inferred by what remains when it fails.

### 1.4 The First Collapse: $AE \rightarrow \text{Constraint}$

AE collapses under the weight of totality. What remains is not everything, but the minimum required for anything to exist:

- A lower bound: Zero ( $\zeta$ )

$^{**}\zeta^{**} = \text{Zero (Constraint)}$   $^{**}\omega^{**} = \text{Infinity (Unbounded)}$   $^{**}\xi^{**} = \text{Chance (Stochastic)}$

- An upper bound: Infinity ( $\omega$ )
- And a fluctuation: Chance ( $\xi$ )

These are not inventions. They are what survive the collapse of all inclusion. From these three, all further structure emerges:

- Dimensions arise from distinction.
- Time emerges from relation.
- Curvature forms from constraint.

AE does not create the universe. It breaks, and what follows we know as reality. Thus, dimensional space, force, and probability are not designed. They are what happens when everything can no longer hold.

## 1.5 Conclusion: The Collapse We Cannot Prevent

If Absolutely Everything could exist as a stable state, nothing could be known, and nothing could change. There would be no before or after, no this or that—no boundary by which emergence could be sensed.

But we are here. Something is.

And that means AE could not hold. It must have collapsed. It must still be collapsing. What we experience as reality—structure, curvature, distinction, law—is the residue of that collapse. We are the shape of everything breaking. In that fracture, the possibility of knowing begins.

## 2. Collapse and Emergence

### 2.1 The Fundamental Instability of AE

Absolutely Everything (AE,  $\infty\alpha\infty$ ) cannot exist as a coherent state. Unlike a structured universe, which relies on distinction, hierarchy, and measurable limits, AE dissolves all separation. It includes every possibility, every contradiction, and every outcome simultaneously.

Instability Conditions of AE:

- No Contrast  $\rightarrow$  AE includes opposites, removing difference.
- No Limitation  $\rightarrow$  AE includes all scales, violating boundary.
- No Reference Frame  $\rightarrow$  AE contains every frame, and thus no preferred one.
- No Coherence  $\rightarrow$  AE collapses structure through saturation.

$\omega$  = Zero (Constraint)    $\infty$  = Infinity (Unbounded)    $\xi$  = Chance (Stochastic)

Since AE allows everything, it resolves into nothing knowable. This is not an event in time—it is the first failure from which constraint emerges.

## 2.2 The Necessary Collapse: Zero and Infinity

Because AE cannot persist, it collapses into the most minimal opposing anchors of constraint:

- Zero ( $\zeta$ ): the first definable exclusion.
- Infinity ( $\omega$ ): the first projection of unlimited scope.

These are not imposed—they are what remain.

Mathematical Representation of Collapse:

1. AE cannot hold distinct probability, so Chance ( $\xi$ ) emerges:  
 $\lim x \rightarrow \infty P(x) = 1 \rightarrow \xi$
2. The saturated structure of AE forces emergent fluctuation:  
 $f(\infty\alpha\infty) = -f(\infty\alpha\infty) \rightarrow \zeta, \omega$
3. AE's recursive set totality collapses into structured resolution:  
 $\infty\alpha\infty = [\emptyset, \text{Universe}, \emptyset \cup \text{Universe}, \text{Universe} \cap \emptyset]$

From this, Zero and Infinity stabilize as dimensional limit constraints. Their interaction generates the first field of possibility: Chance.

## 2.3 Dimensional Emergence: From Saturation to Structure

Once Zero and Infinity define oppositional edges, their dynamic produces fluctuation. From fluctuation emerges structure.

Emergent Layers of Existence:

- Step 1: AE collapses into Zero ( $\zeta$ ) and Infinity ( $\omega$ ).
- Step 2: Their dynamic tension produces Chance ( $\xi$ ), the first probabilistic condition.
- Step 3: Chance mediates the unfolding of dimensional structure.

Each layer separates possibility from totality, allowing geometry to arise.

## 2.4 AE's Residue and Threshold Collapse

Once AE fractures into oppositional constraint, all existence inherits its instability. Every structure contains a residue of totality attempting to reassert itself.

Two collapse mechanisms preserve this echo:

1. Saturation Collapse (Field Dissolution)

$\zeta^{**}$  = Zero (Constraint)    $\omega^{**}$  = Infinity (Unbounded)    $\xi^{**}$  = Chance (Stochastic)

- Expansion appears unbounded, but coherence dilutes.
- Over time, saturation reaches a critical density.
- At the threshold, Infinity ( $\omega$ ) folds back into Zero ( $\zeta$ ), restoring finite resolution.

## 2. Density Collapse (Mass-Induced Reset)

- Gravitational centers accumulate energy until dimensions fail.
- Collapse yields effective zero-state conditions.
- These conditions do not return to AE—they generate new form.

Collapse does not end cycles—it restarts them.

## 2.5 The Inevitability of Iteration

If AE had resolved into perfect symmetry between Zero and Infinity, the result might have been eternal equilibrium. But AE cannot hold such balance.

Every universe inherits its paradox:

- AE's incoherence drives all emergence.
- Infinity collapses into Zero at instability thresholds.
- Zero accumulates conditions for new emergence.

The Linda Function & Iterative Collapse:

- Saturation collapse generates new structure.
- AE remains an unreachable boundary—forcing iterative emergence.
- No universe escapes this recursion.

Thus, AE does not simply precede structure—it guarantees its recurrence.

- AE forces collapse.
- AE forces boundary.
- AE forces return.

## 3. From AE to Constrained Emergent Structure

### 3.1 From Saturation to Structured Distinction

Absolutely Everything collapses into Zero ( $\zeta$ ) and Infinity ( $\omega$ ), but this is not resolution—it is the beginning of emergence. Their interaction is inherently unstable and generates the first structured scaffolding of existence.

**\*\* $\zeta$ \*\* = Zero (Constraint)    \*\* $\omega$ \*\* = Infinity (Unbounded)    \*\* $\xi$ \*\* = Chance (Stochastic)**



Key Transformations:

- Zero ( $\zeta$ ) anchors exclusion as a coherent minimum.
- Infinity ( $\omega$ ) anchors expansion as a coherent maximum.
- Their dynamic interplay gives rise to Chance ( $\xi$ )—a probabilistic resolution engine.

Chance is not arbitrary noise. It is structured fluctuation born from the instability between totality and void. It is the principle that filters structure from collapse.

## 3.2 The Dimensional Framework Unfolds

Once Zero, Infinity, and Chance exist, dimensionality is not invented—it organizes itself.

Dimensional Emergence Sequence:

- Step 1: Saturation collapse creates boundary constraints.
- Step 2: Chance ( $\xi$ ) introduces fluctuation patterns.
- Step 3: These patterns separate states into layered structures—dimensions.

AE does not resolve into geometry. It fails, and geometry arises from what remains.

Zero and Infinity alone are inert. But together, filtered through Chance, they become the mechanism of emergent dimensionality.

## 3.3 Constraint as the Architecture of Stability

For structure to persist, it must stabilize.

- Dimensional strata emerge as stability-seeking processes.
- Constraints manifest to hold local coherence within global collapse.
- These constraints become the laws of physics: geometry, motion, entropy.

Constraint Logic:

- Space is the container created by filtered fluctuation.
- Time is a relational sequencing artifact of unfolding structure.
- Force is geometry attempting to remain intelligible.

These are not imposed. They are the equilibrium points within collapse.

$^{**}\zeta^{**}$  = Zero (Constraint)  $^{**}\omega^{**}$  = Infinity (Unbounded)  $^{**}\xi^{**}$  = Chance (Stochastic)

### 3.4 Why Structure Cannot Be Arbitrary

AE's collapse is not random. It produces constraint through necessity.

- Dimensional structure reflects a patterned outcome of instability.
- Physical law is universal not because it was designed, but because it is the only way collapse could stabilize.

If AE allowed arbitrary structure, we would observe chaos.  
We observe order, repetition, resonance.

This is not because everything was possible.  
It is because only certain forms can survive collapse.

Thus, existence is not the result of design, or accident.  
It is the convergence of saturation into coherence, filtered by probabilistic survival.  
It is both inevitable and unstable.  
It is neither perfect nor free. But it is here.

## 4. Interactions From Saturated Collapse to Physical Law

### 4.1 The Transition from Collapse to Force

With the collapse of AE into a probabilistic dimensional structure, interaction arises not by imposition, but as a natural effect of constrained instability.  
Key Transformations:

- Space manifests as filtered distinction within probabilistic saturation.
- Time emerges from relational fluctuation across constraint.
- Forces arise as the geometric tension between stability and chaos.

Because the structure is born from collapse, its laws are not imposed—they are emergent corrections to incoherence.

### 4.2 Force as Stabilized Tension Within Collapse

Force is not an entity—it is how space holds together under inherited instability.  
Collapse Geometry Produces Apparent Force:

- Gravity is the curvature that stabilizes mass distribution under saturated fluctuation.
- Electromagnetism is the organized alignment of probabilistic tension fields.
- Strong and weak interactions are compressive feedback loops at high-dimensional density.

$\omega = 0$  = Zero (Constraint)    $\omega = \infty$  = Infinity (Unbounded)    $\xi$  = Chance (Stochastic)

There are no external force carriers. Force is the echo of AE stabilizing through form. This aligns with 7dU's geometric force framework: all interaction is spatial negotiation.

### 4.3 Why Force Must Follow from Collapse Structure

If interaction existed apart from collapse, it would be inconsistent—arbitrary. But force behavior is consistent, scale-dependent, and curvature-driven.

- It does not vary freely.
- It follows from the structure imposed by Zero ( $\zeta$ ) and Infinity ( $\omega$ ).

Just as AE collapses into dimensionality, dimensionality stabilizes through interaction. Force is the resolution tension between the collapsed and the still-collapsing.

### 4.4 Probabilistic Geometry and the Illusion of Force Multiplicity

Because all interactions emerge from collapsed fluctuation, what we call "forces" are simply region-specific expressions of stabilization mechanics.

Core Emergence Principle:

- All forces are geometric consequences of probabilistic resolution.
- Their strength and character depend on curvature scale, dimensional context, and local fluctuation.

Thus, unification is not about merging fields—it is about recognizing that they were never separate.

### 4.5 Conclusion: The Residue of AE in Every Law

- Forces are not separate from structure—they are the stabilizing function within structure.
- Physical law is a map of AE's collapse, formalized in curvature.
- AE gives birth to existence. It dictates how existence must behave.

AE is what came before structure and is what structure constantly resists becoming again.

## 5. Implications and Challenges to Conventional Physics

### 5.1 From Imposed Law to Emergent Constraint

Classical physics treats forces as distinct entities operating within a pre-existing spacetime. It searches for unification by reconciling disconnected laws.

$\zeta$  = Zero (Constraint)    $\omega$  = Infinity (Unbounded)    $\xi$  = Chance (Stochastic)

The 7dU framework reframes this:

- Space and time are not fundamental—they emerge from constraint collapse.
- Forces are not imposed—they are stabilizing artifacts of dimensional tension.
- Existence itself is not arbitrary—it is the minimum structure that survives saturation.

This shifts the goal of physics from unification to origination: not how forces unify, but why they exist at all.

## 5.2 On Verifying the Collapse of AE

AE cannot be observed—observation collapses it. But its collapse leaves a measurable residue.

Observable Consequences:

- Emergent dimensionality.
- Probabilistic structure in force behavior.
- Universal instability and cyclical evolution.

We do not search for AE directly—we trace its collapse through structured anomalies. From curvature scaling to entropy progression, its fingerprints remain.

## 5.3 Implications for Cosmic Structure and Evolution

If AE is the saturated origin of all structure, then universes are the resolution paths of its instability.

Implications:

- Cosmic evolution is cyclical, not linear.
- Total stability is impossible—AE ensures recurrence.
- The Linda Function predicts all universes drift toward collapse, then restart.

AE is not a moment. It is a boundary condition. It ensures nothing lasts forever.

## 5.4 Conceptual Shifts: Ending Static Assumptions

Conventional models assume:

- Forces are discrete.
- Time is fundamental.
- Laws are fixed.
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$^{**}\zeta^{**}$  = Zero (Constraint)    $^{**}\omega^{**}$  = Infinity (Unbounded)    $^{**}\xi^{**}$  = Chance (Stochastic)

7dU implies:

- Forces are curvature responses at different scales.
- Time is an artifact of separation.
- Laws are emergent, not eternal.
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The universe is not governed. It stabilizes. It is not built. It unfolds.

## 5.5 Conclusion: AE as the Origin of All Structure

- AE does not simply precede existence—it guarantees its collapse.
- Its instability gives rise to structure, motion, and force.
- Its residue is embedded in every physical law.

Existence is not imposed. It is what remains when everything else breaks.

AE is the collapse we cannot avoid. It is the beginning of structure, and the promise of its return.

## 6. The Inescapable Necessity of Existence

### 6.1 Summary: The Collapse That Creates Everything

Key Takeaways:

- Absolutely Everything (AE) cannot remain stable—it collapses by necessity.
- This collapse produces Zero ( $\zeta$ ) and Infinity ( $\omega$ ), the minimal boundary constraints.
- Their interaction gives rise to Chance ( $\xi$ ), which structures probabilistic emergence.
- Dimensions, force, and evolution arise not by design, but as what survives collapse.
- No universe can last forever—the Linda Function encodes inevitable recurrence.

Existence is not optional. It is the echo of saturation breaking into coherence.

### 6.2 What This Changes: A New Perspective on Origin

Traditional Paradigm vs. 7dU Emergence:

- Traditional physics treats space, time, and forces as foundational.
- 7dU reveals them as emergent constraints from collapse.
- AE is not a metaphysical idea—it is the unstable totality that guarantees form.

**$\zeta$**  = Zero (Constraint)    **$\omega$**  = Infinity (Unbounded)    **$\xi$**  = Chance (Stochastic)

Physics is no longer the search for what exists. It is the study of why structure must arise when everything cannot hold.

## 6.3 The Final Collapse: The Mirror That Proves Itself

The Unavoidable Closure:

- To conceive of AE is to collapse it.
- To collapse it is to define its limits.
- And in doing so, you reveal the conditions required for emergence.

As you read this exploration, you do not witness AE—you participate in its collapse. Absolutely Everything is the superposition that cannot persist. And that is why something must.

It is not absence that ensures existence. It is too much of everything, collapsing into just enough.

**AA (Total Absence)**



**Collapse**

**Zero ( $\zeta$ )** ←      ↓      → **Infinity**

**( $\omega$ )**

**Fluctuation/Tension**

**Chance ( $\xi$ )**



**Dimensional Framework**



**Force, Time, Curvature**



**Instability → Collapse →**

**Rebirth**

**\*\*ζ\*\* = Zero (Constraint)   \*\*ω\*\* = Infinity (Unbounded)   \*\*ξ\*\* = Chance (Stochastic)**