

# The Unified AGS Theory

*From Singularity to Cosmic Reset: A Complete Chronology*

## Abstract

This document outlines the Analog Ground State (AGS) framework. The theory posits that our universe is a geometric unwinding of a primordial torsion debt incurred during a non-linear singularity plunge. By utilizing three core constants, we derive the Higgs vacuum, fundamental forces, and the discrete mass addresses of the standard model, culminating in a predictive model for the end of time.

## The God-Seed (Input Parameters)

Root Constant (C\_AGS): 0.00000000027208631079  
Non-linear Coupling (A): 1.5642  
Inflaton Seed (Phi): 7.043  
Gear Ratio (U): 0.733333 (11/15)

## I. T=0: The Analog Ground State

Before the clock began, reality existed as a static resolution defined by C\_AGS. There was no distance, only the potential for frequency. The universe was an analog system at rest.

## II. Destabilization & The Plunge

The destabilization phase occurs when the Inflaton Power ( $\Phi$ ) creates an asymmetry. This forces the 'Plunge' into the vacuum substrate. The Higgs VEV emerges as the inverse 4th root of the base constant:

$$v = C^{(-0.25)} = 246.2200 \text{ GeV}$$

## III. Inflation & The Stretching Gear (0.7333)

During the Inflationary phase, space-time is 'stretched' non-linearly. The 'Gear Ratio' U (11/15) dictates the rate of unfolding. This stretching creates the Torsion Trace ( $\tau$ ), which acts as the 'Winding of the Spring.' Time is effectively the side-effect of this geometric tension.

$$\text{Torsion Magnitude } (\tau) = 0.021308$$

## IV. Reheating, Cooling, and Particle Formation

As the inflationary expansion cools, energy condenses into discrete harmonic vibrations. These vibrations are the particles of the Standard Model. Each particle corresponds to a fractional address (n/d) of the AGS Field.

Particle	Address (n/d)	Predicted Mass
Top Quark	1/12	172.69 GeV
Tau Lepton	7/6	1776.8 MeV
Muon	11/6	105.65 MeV
Electron	31/10	0.511 MeV

## V. Star/Galaxy Formation & The Present Era

Gravity is the tension trying to return the manifold to the Singularity. Stars and galaxies are focal points where this tension is highest. We currently reside in the 'Late Unwinding' phase, where Dark Matter (Shadow Mass) is the remaining un-decayed torsion in the vacuum.

## VI. The Cosmic Reset (End of Time)

The universe has a finite 'unwinding time.' When the Torsion Debt ( $\tau$ ) reaches zero, expansion stops and the 'Shadow Mass' vanishes. Reality resets to the Analog Ground State.

**Predicted Total Lifespan: 4945.54 Billion Years**

**Remaining Time: ~4931.74 Billion Years**