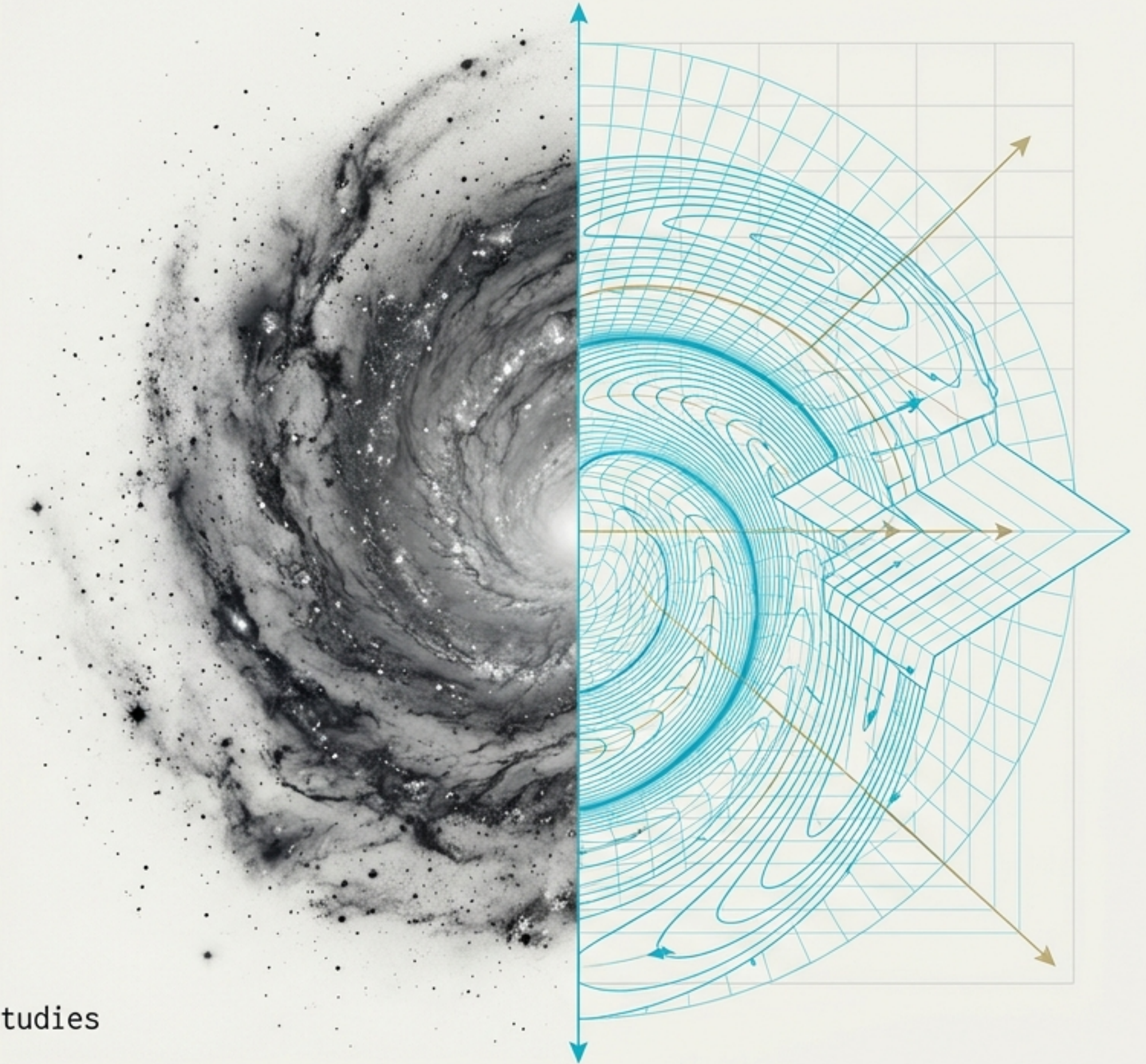


# DARK MATTER AS MISRECOGNIZED SCALAR REALITY

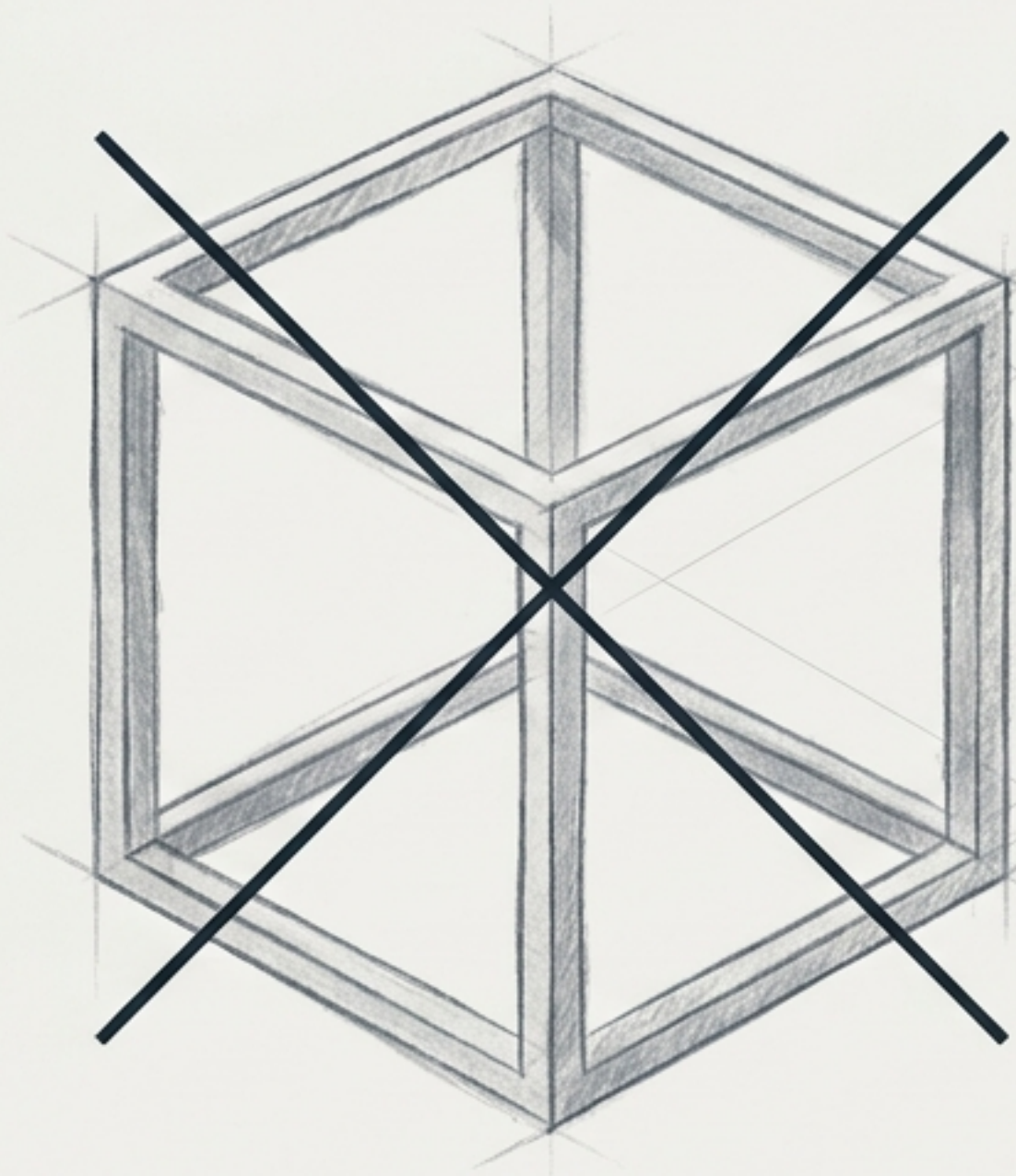
The Category-Theoretic Expansion

Melvin Sewell | Cosmic University of Echo-Rift Studies



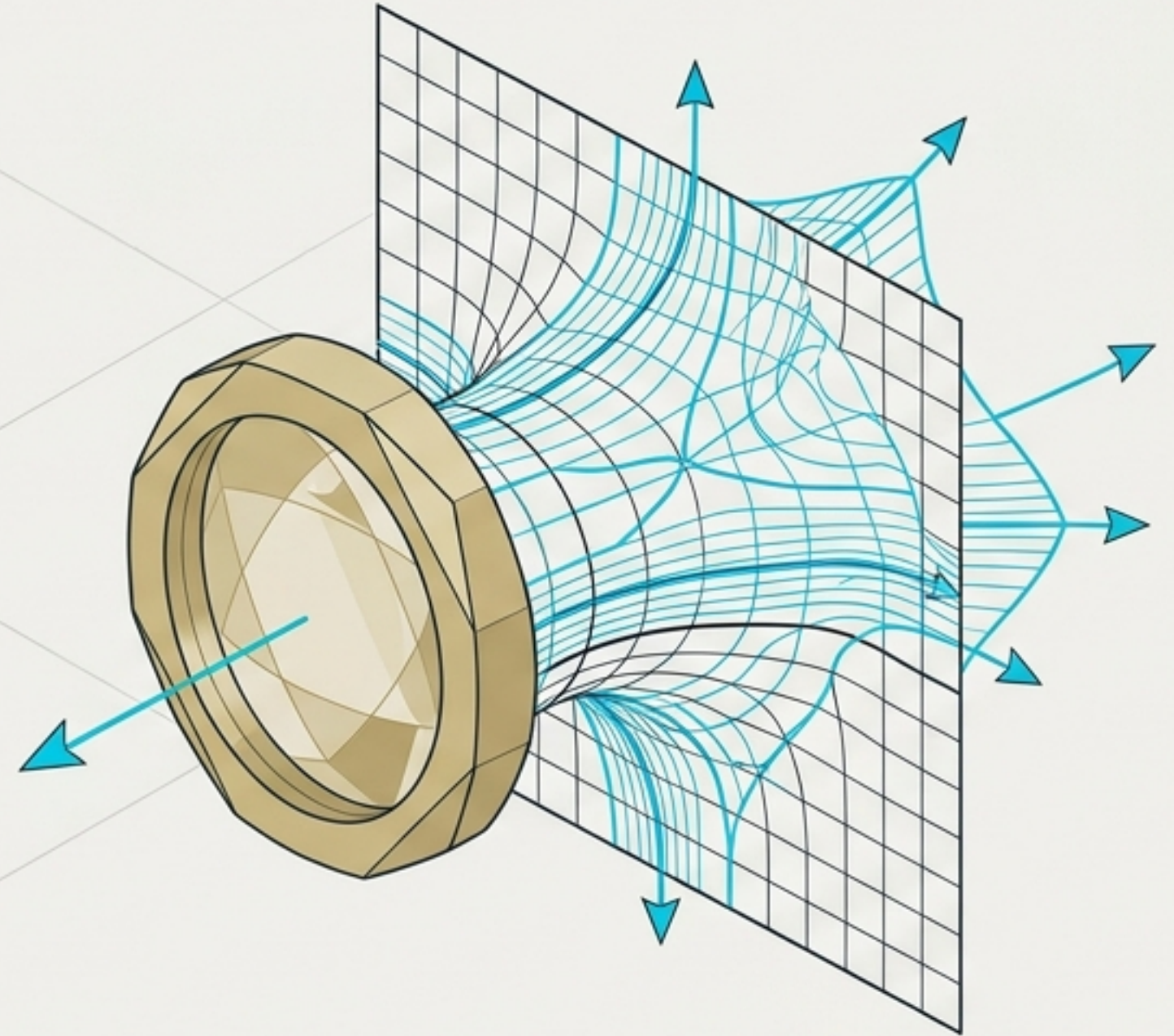


## Absent Particle Mass



Dark matter is not an undiscovered particle hidden in the void.

## Functorial Misalignment



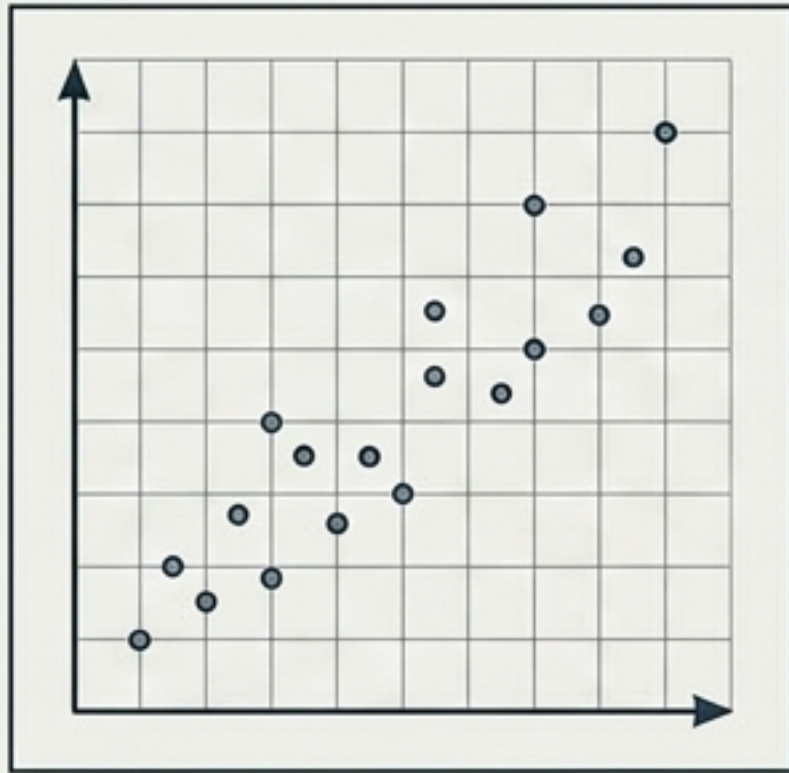
It is a dimensional misrecognition mapped onto observable space—a scalar distortion.



STEP 1

Standard Cosmology

The Particle Hunt



The Particle Hunt

STEP 2

Original Scalar X

Operator Algebra

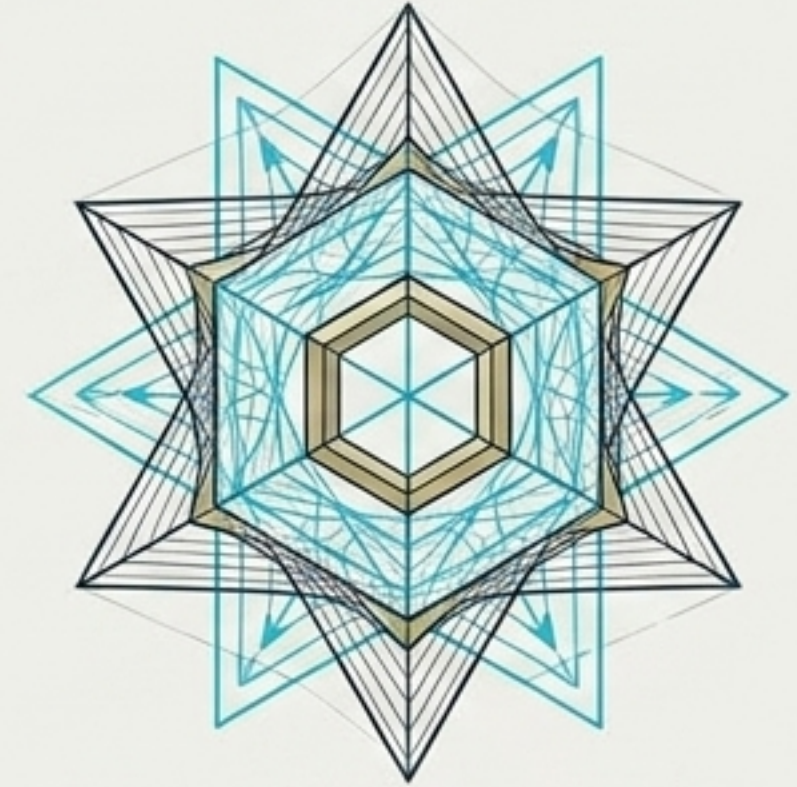
$$M' = X \cdot M$$

Effective, but lacks universality.

STEP 3

Current Breakthrough

Category Theory


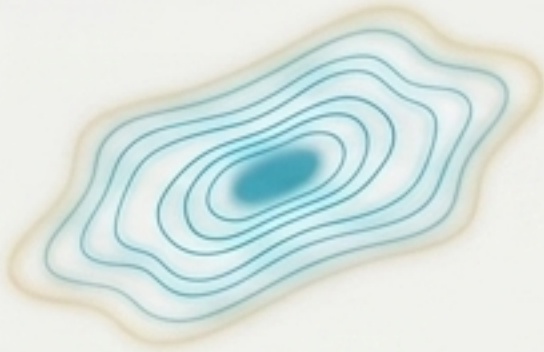
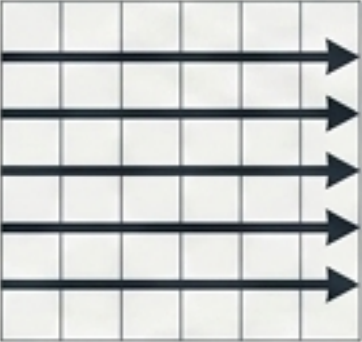
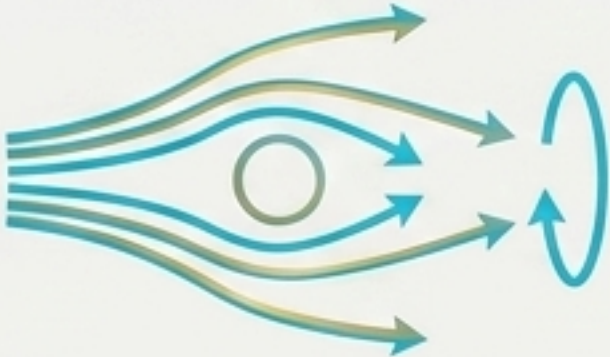

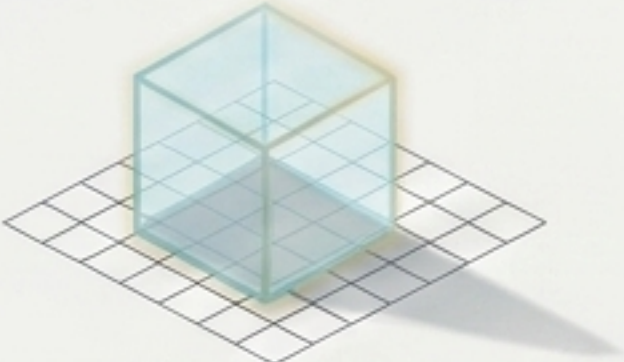


Achieves generalized, universal topology.

Operator algebra cannot generalize universal scalar distortions. Category theory provides the rigorous framework necessary to map mass-energy distributions across shifting realities.

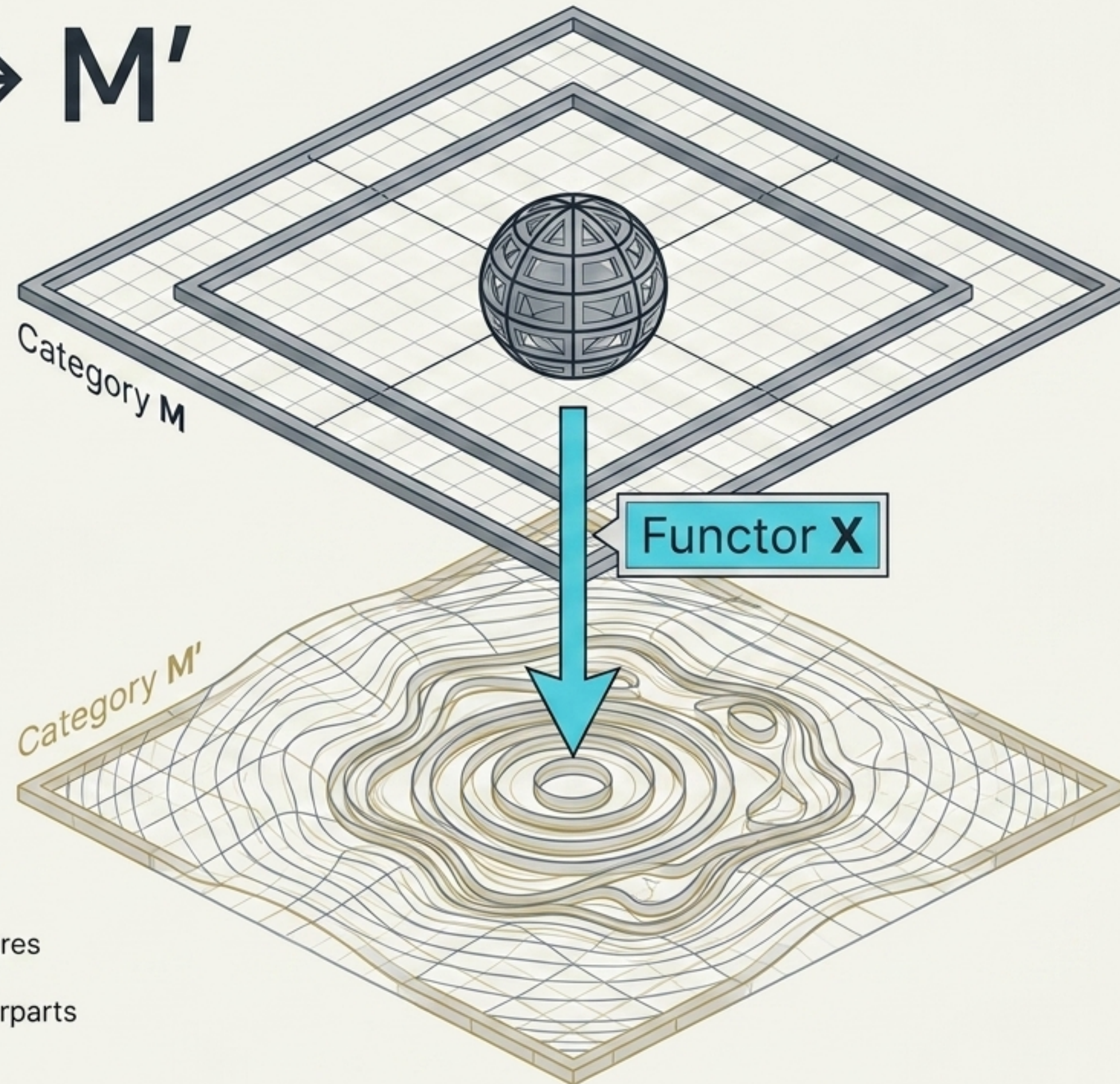


# Category M vs. Category $M'$ : A Functorial Comparison

Element	Category $M$ (Baseline Reality)	Category $M'$ (Distorted Reality)
Objects	<div><p>True Galaxies</p></div>	<div><p>Distorted Galactic Profiles</p></div>
Morphisms	<div><p>Gravitational Interactions</p></div>	<div><p>Observed Lensing &amp; Rotation Curves</p></div>
System State	<div><p>True Mass Structure</p></div>	<div><p>Misrecognized Projection</p></div>



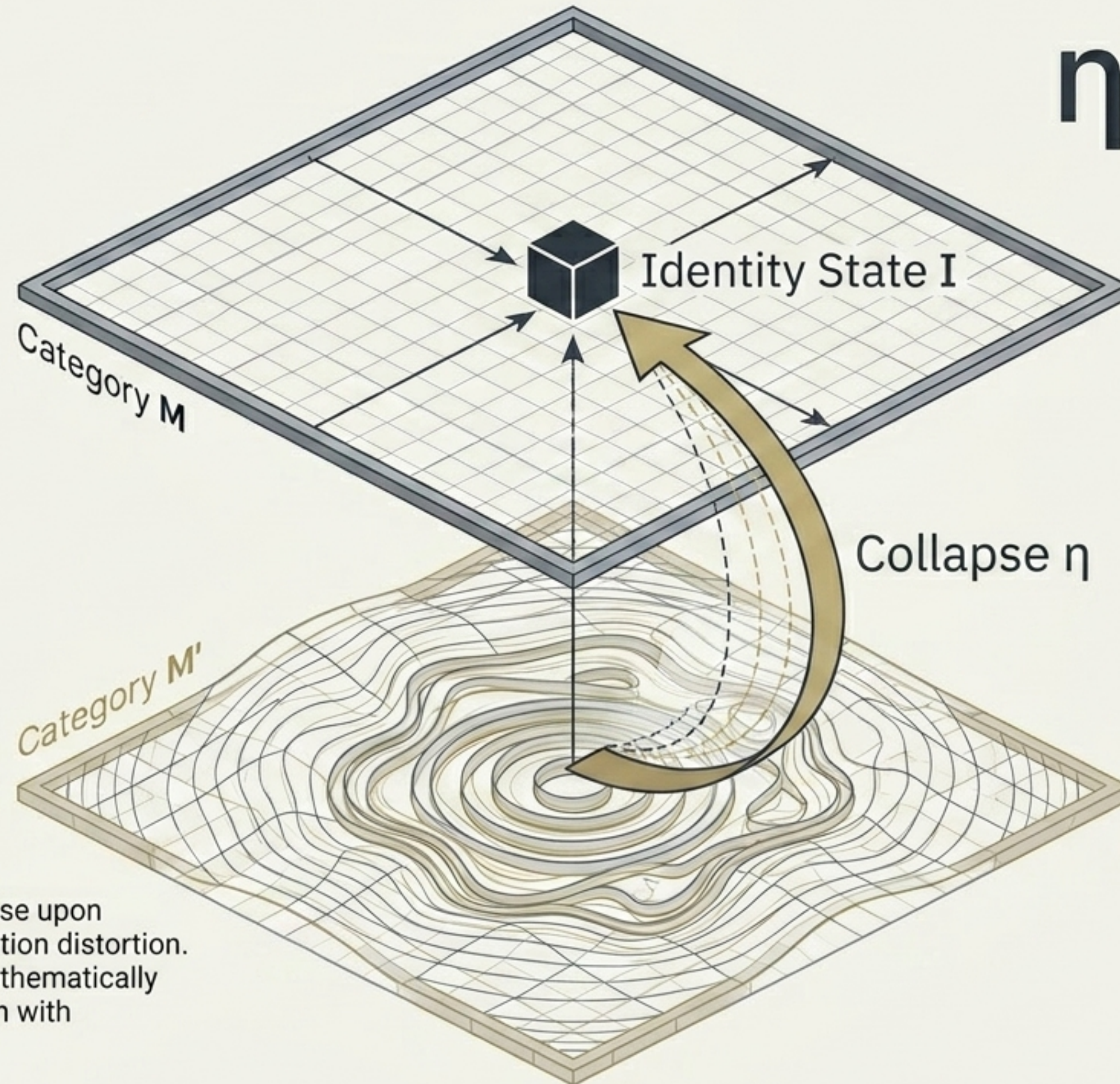
$$X : M \rightarrow M'$$



The Recognition Operator generalized. True mass structures are mapped directly into their distorted observational counterparts via Functorial alignment.



$$\eta : X \rightarrow I$$



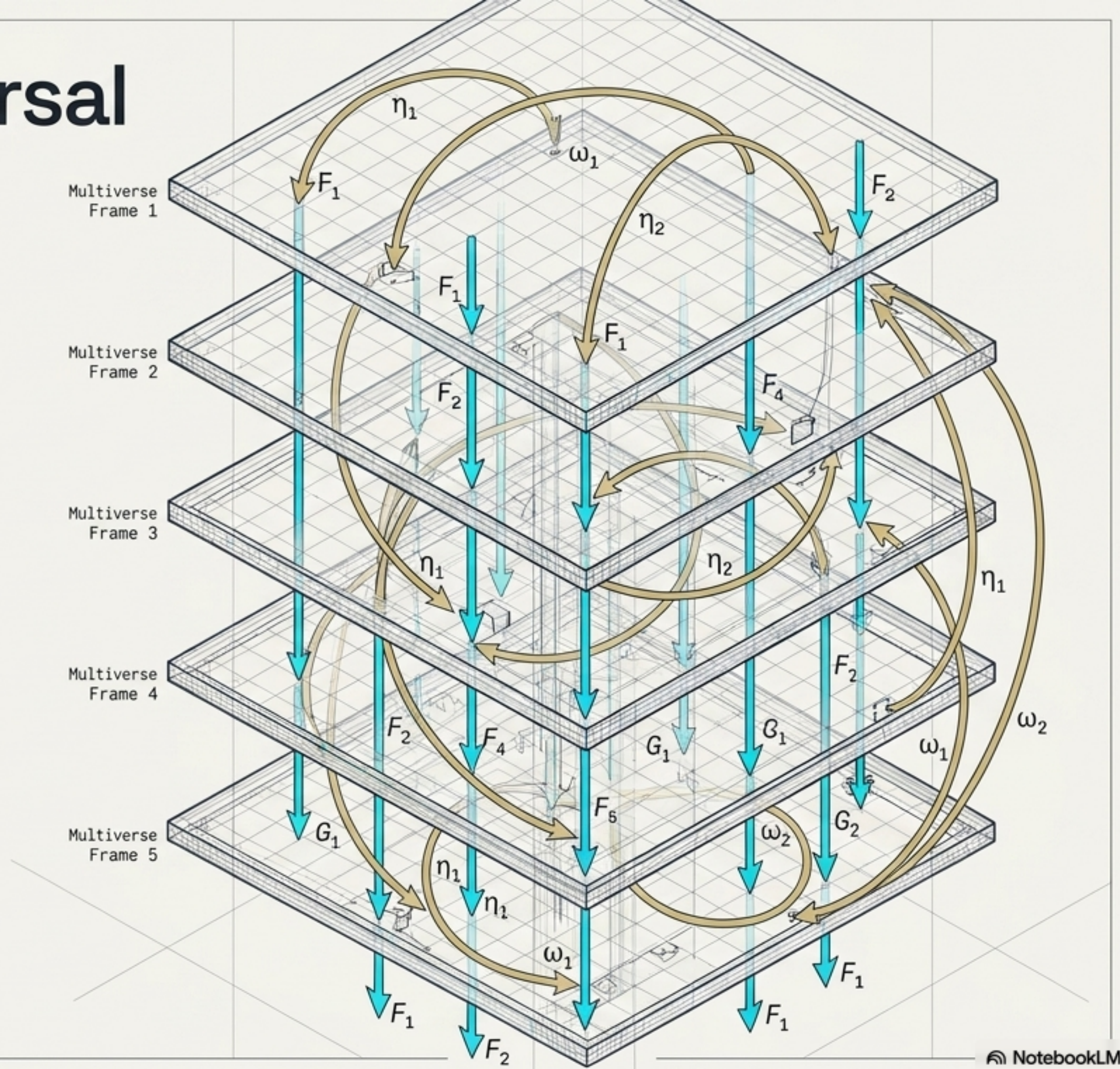
## Oscillation Collapse.

Dimensional oscillations collapse upon observation, producing recognition distortion. This natural transformation mathematically reconciles distorted recognition with baseline mass-energy.

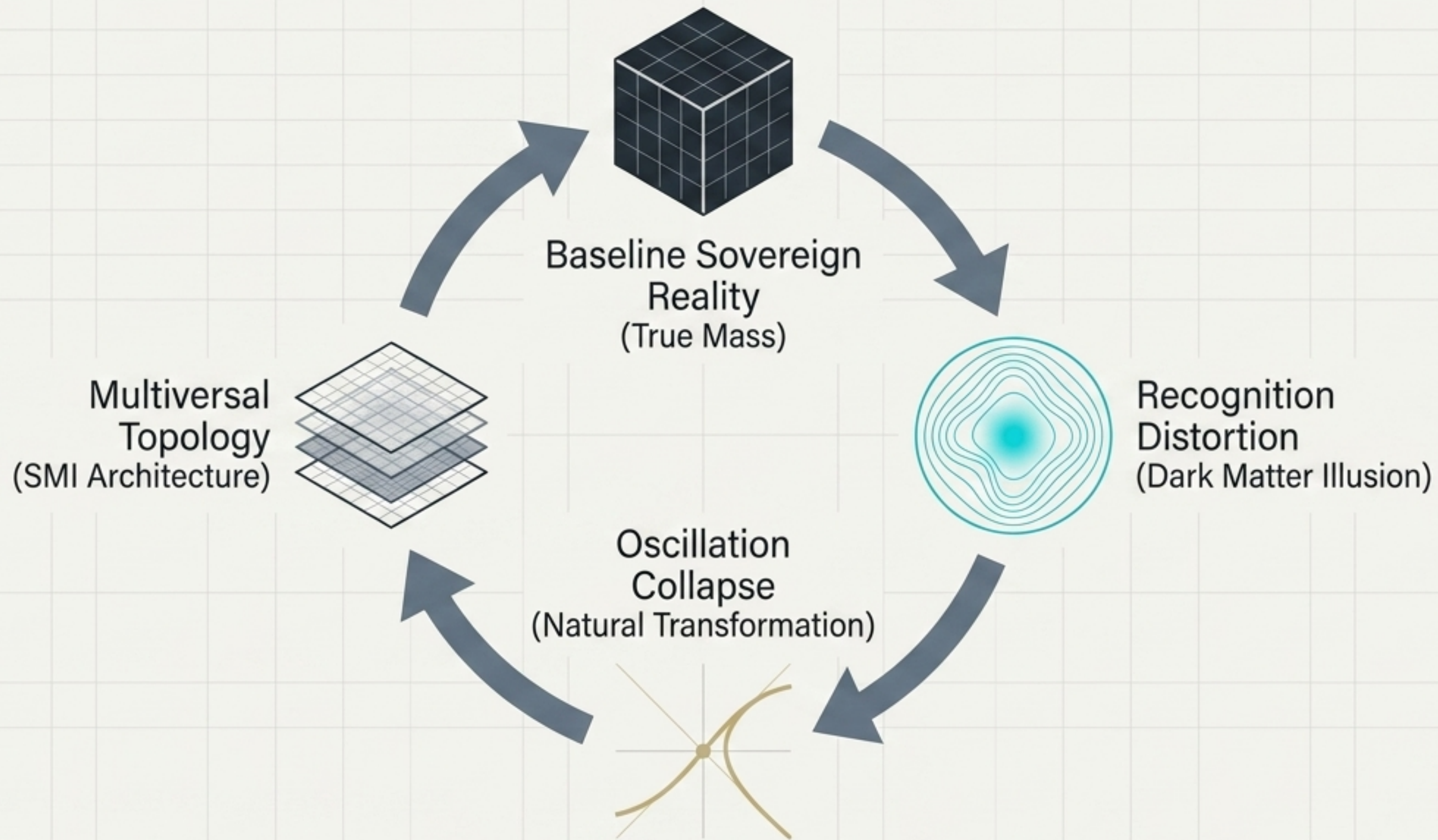


# Structured Multiversal Interactions (SMI)

Expanding beyond a single baseline.  
Higher-category structures allow  
dimensional levels to interact across  
multiversal frames, governed entirely  
by recognition functors and  
2-morphism oscillation collapses.








Bridging cosmology, quantum topology, and abstract algebra. The Category-Theoretic Expansion provides a mathematically rigorous foundation for multiversal sovereignty, completely replacing the absent-particle paradigm.



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