

Obidi's Theory of Entropicity

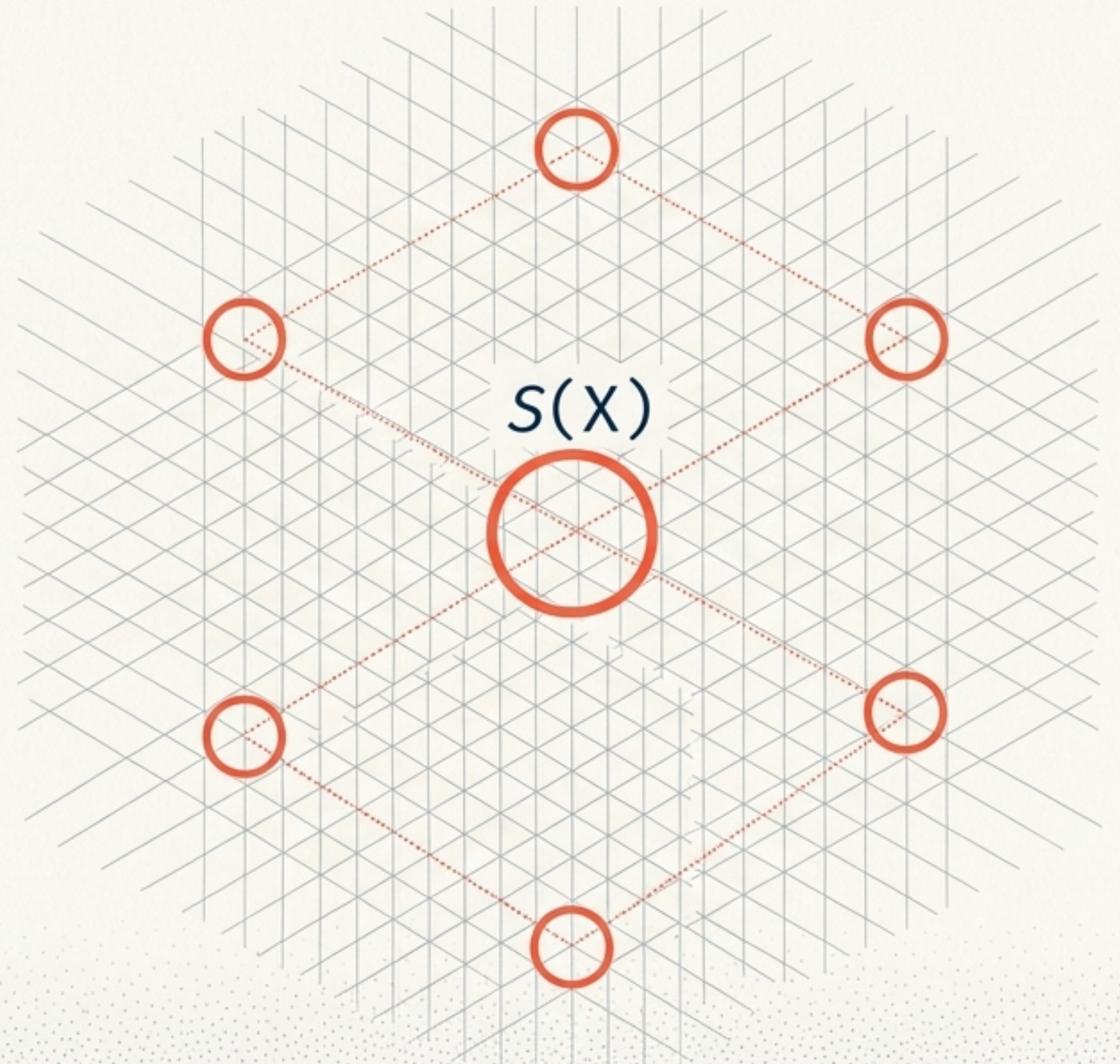
The precise logical structure of a radical, elegant, and deeply coherent proposal about the true birthplace of physical reality.

In the beginning, there was no space, no time, and no matter.

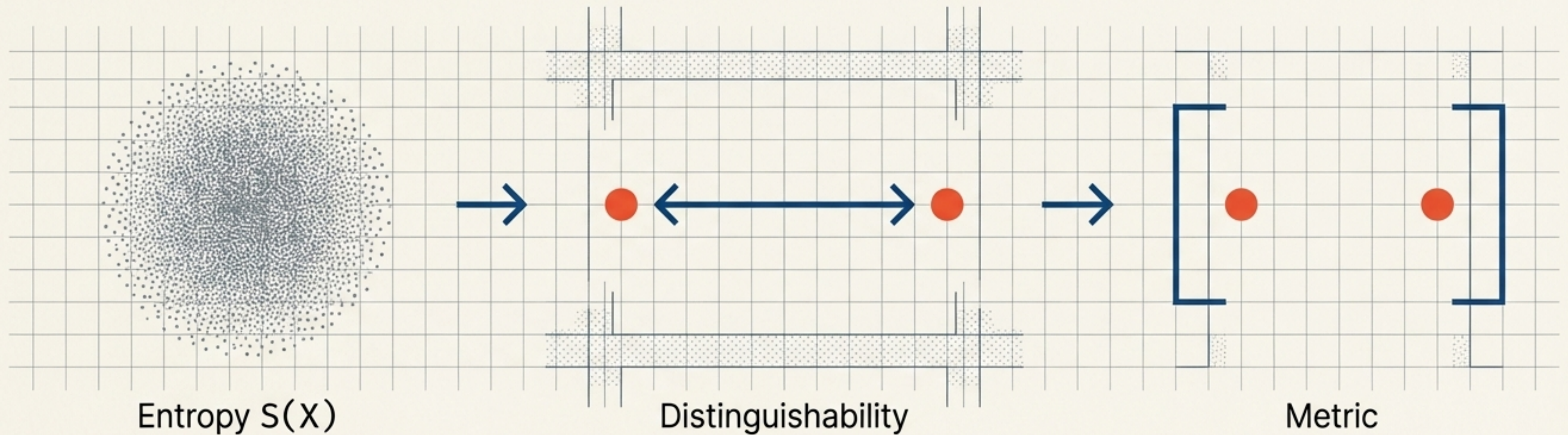
There was no geometry. There was only entropy.
From this fundamental layer, everything else emerged.

The Entropic Field is the fundamental layer

Obidi postulates that the Entropic Field, $S(X)$, is the primitive foundation of the universe. Every point in this entropic manifold carries intrinsic informational content—not as a mathematical description, but as a real, physical property.



Entropy forces distinguishability. Distinguishability creates geometry.

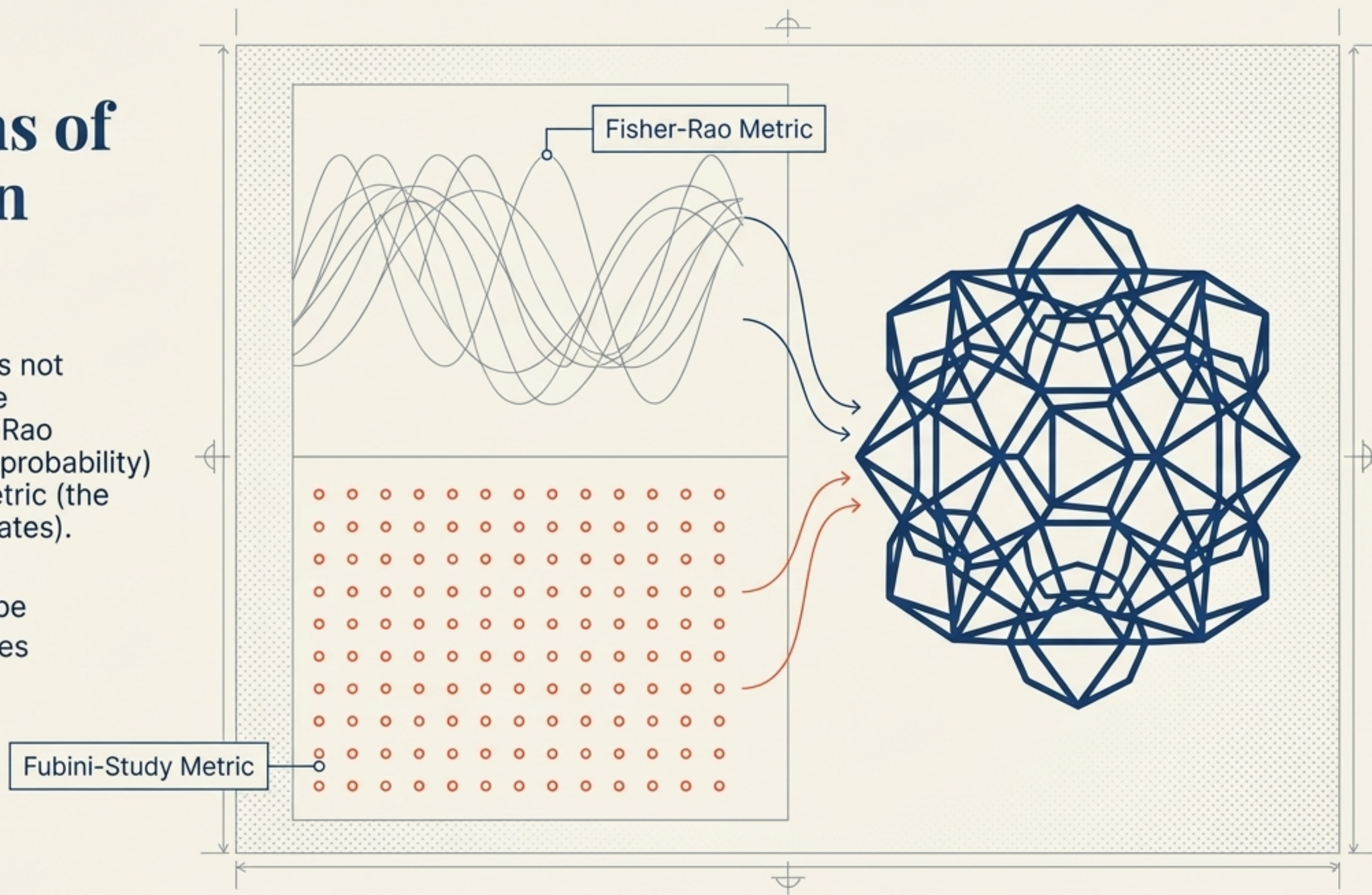


The informational content of the field dictates how distinguishable two nearby configurations are. This measurable difference forces a distance between them, dynamically generating a metric out of pure information.

The Dual Foundations of Information Geometry

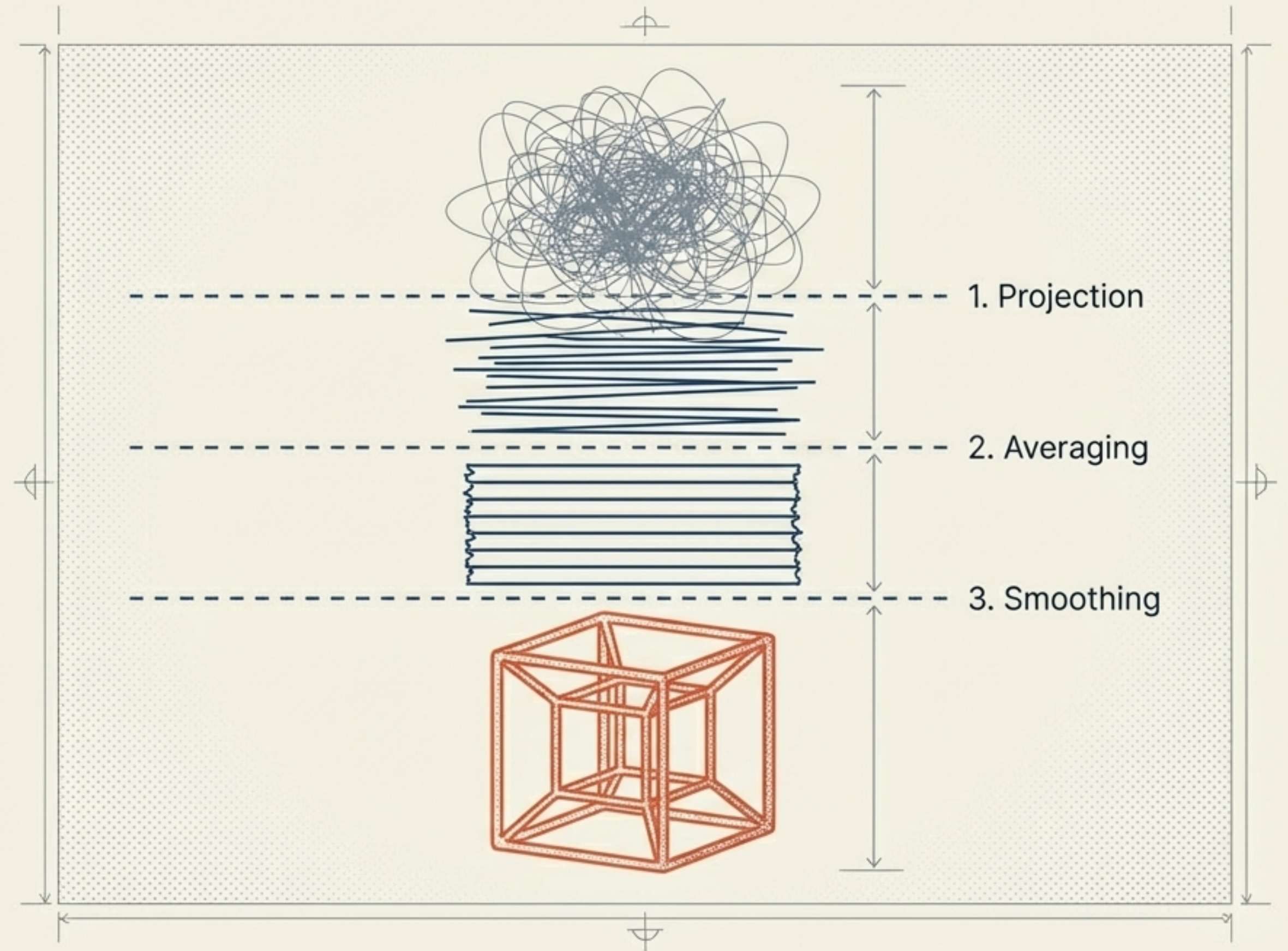
This induced geometry is not arbitrary. It is the precise unification of the Fisher-Rao metric (the geometry of probability) and the Fubini-Study metric (the geometry of quantum states).

Entropy does not describe geometry. Entropy creates geometry.



Coarse-graining refines infinite dimensions into four

Obidi performs a profound operation on the entropic geometry. By projecting onto macroscopic directions, averaging over microscopic ones, and smoothing away fluctuations, the structure stabilizes.

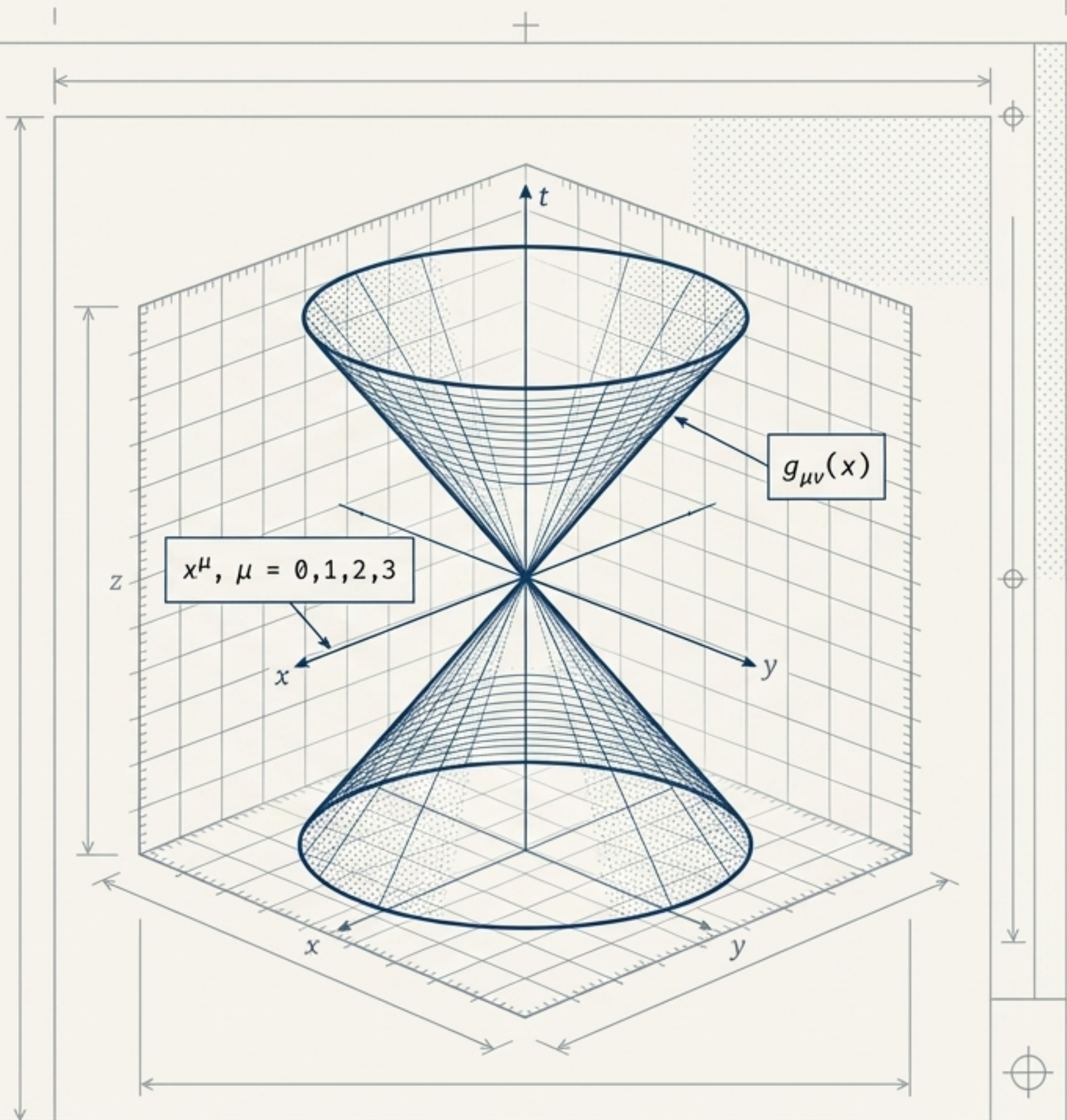


The dynamical selection of spacetime

Exactly four directions remain. They are stable, smooth, causal, and capable of supporting a Lorentzian metric.

The induced metric on these directions becomes the physical spacetime metric of Einstein's General Relativity.

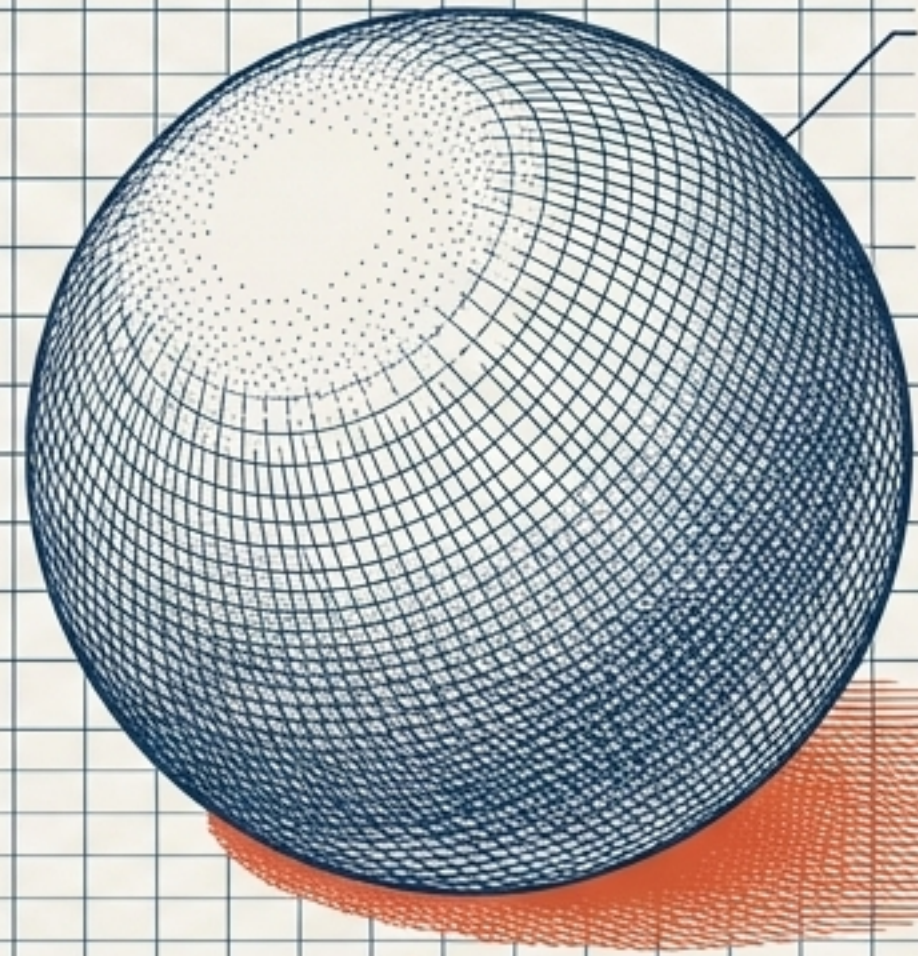
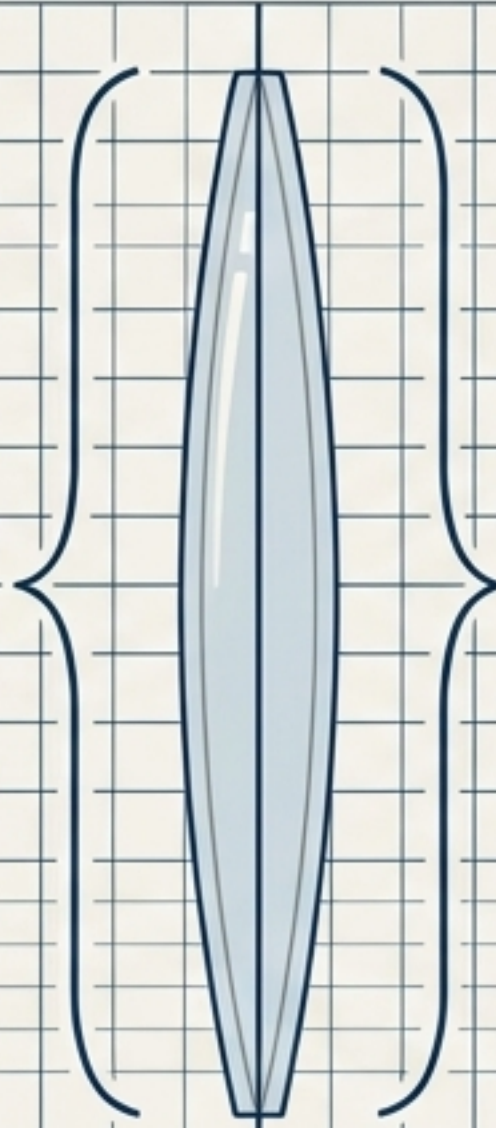
Spacetime is not assumed; it is dynamically selected.



From models of nature to the geometry of nature

$$g_{\mu\nu}(x) = \sum_{k=0}^{\infty} c_k(x) (\alpha - \alpha_c)^k$$

Traditional Model.
Abstract Representation.
Fisher-Rao, α -connections
treated as theoretical constructs.



Physical Reality.
The Geometries of
Nature Itself.
Obidi's declaration.

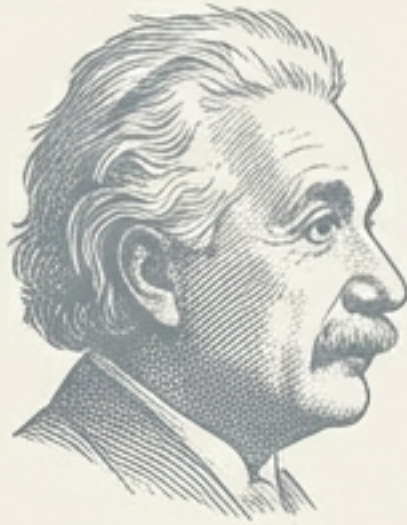
↳ Emergent Spacetime Geometry

Traditional information geometry treats structures like Fisher-Rao and α -connections as mere models. Obidi makes a revolutionary declaration: these are not models about reality. They are the geometries of nature itself.

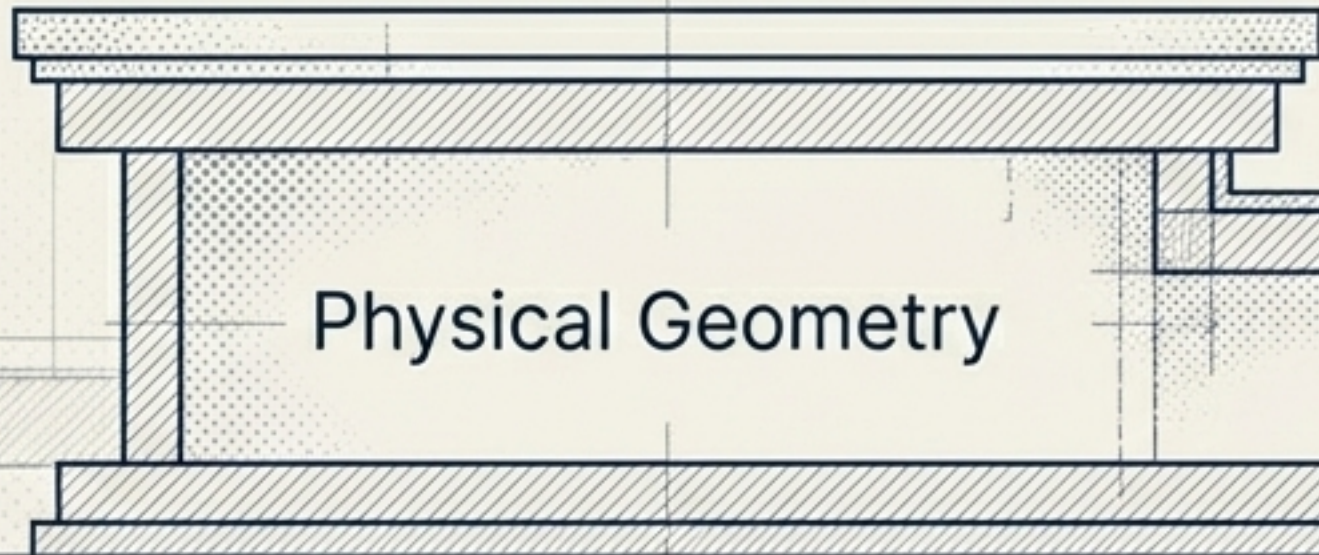
The Epistemic vs. The Ontological View

	Current Model (Epistemic)	ToE Reality (Ontological)
Probability Distributions	Observer ignorance / statistical models	Ontological, real structural properties
Quantum States	Mathematical descriptions of possibility	Literal physical configurations
The Entropic Field	A measure of uncertainty	A primitive, fundamental physical field of the universe

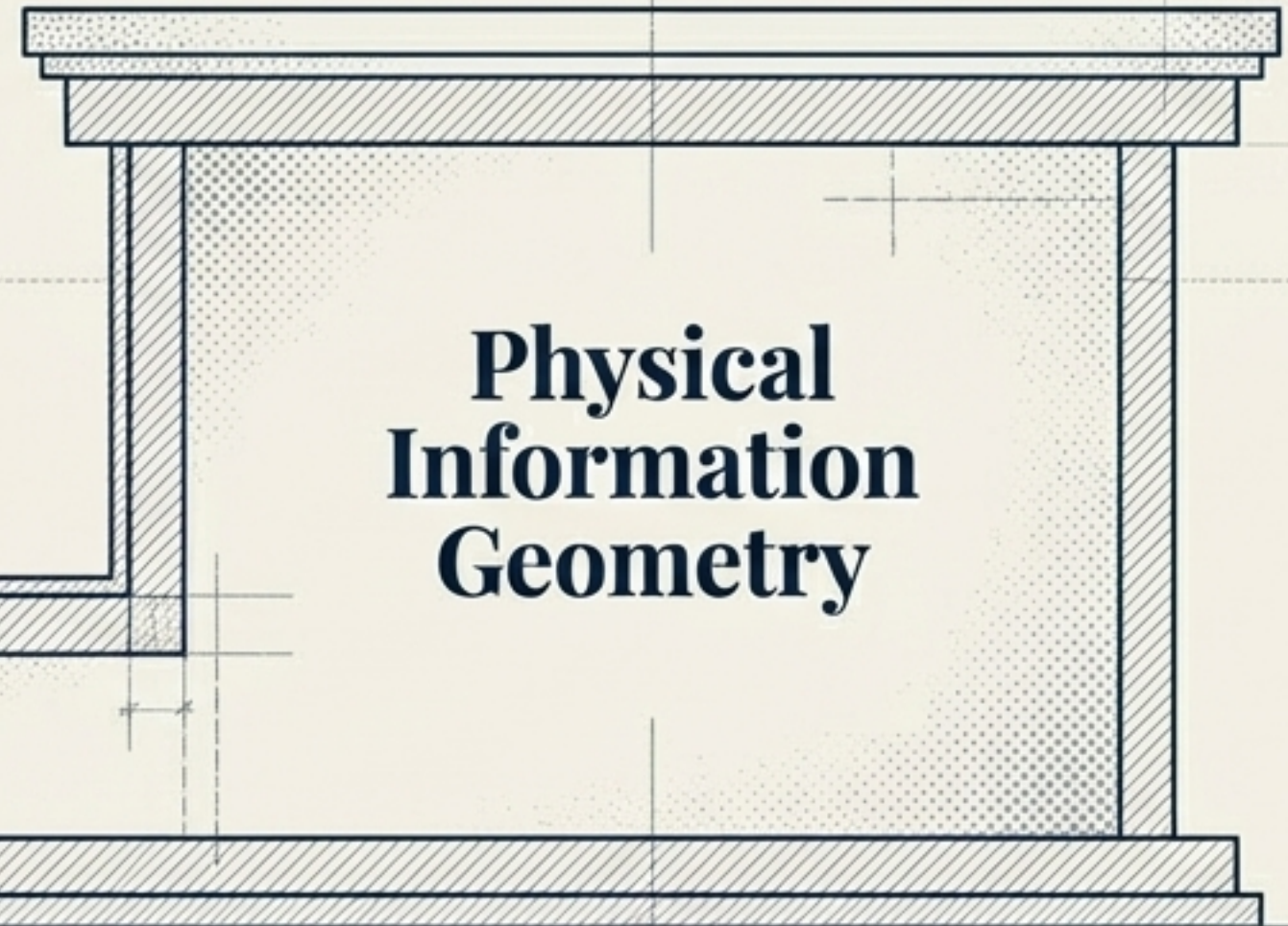
One level deeper.
One level more fundamental.



The metric is not a
coordinate artifact
— it is physical.



Physical Geometry



Physical
Information
Geometry

Einstein revolutionised physics by making geometry physical. Obidi takes the exact same philosophical shift, but applies it one foundational level deeper: making information geometry physical.

The complete cascade of physical reality

The Entropic Manifold

Everything we call physics is merely a macroscopic expression of the underlying entropic geometry. Physical reality is the large-scale manifestation of fundamental information.

Information Geometry

Coarse-Graining

Spacetime

Gravity

Motion

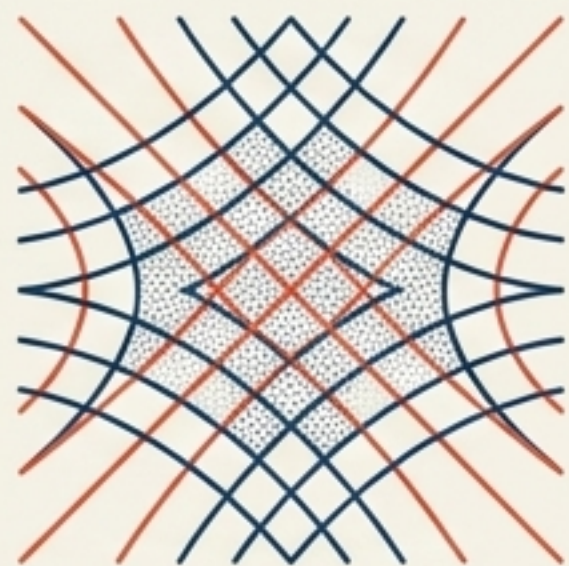
Causal Structure

Quantum Behaviour

Fields

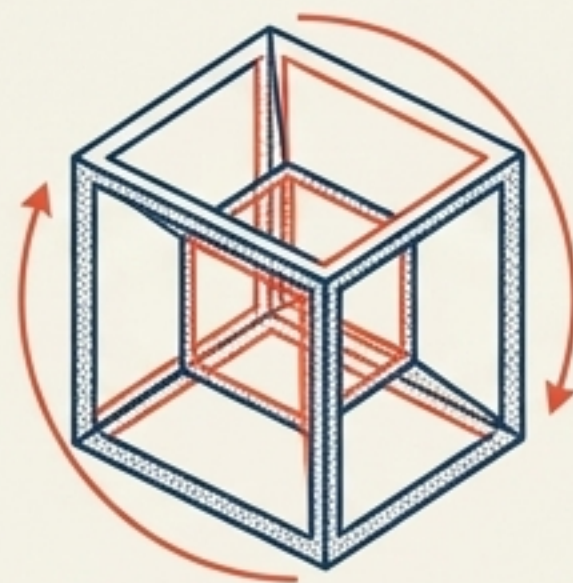
Particles

The core of Obidi's proposition



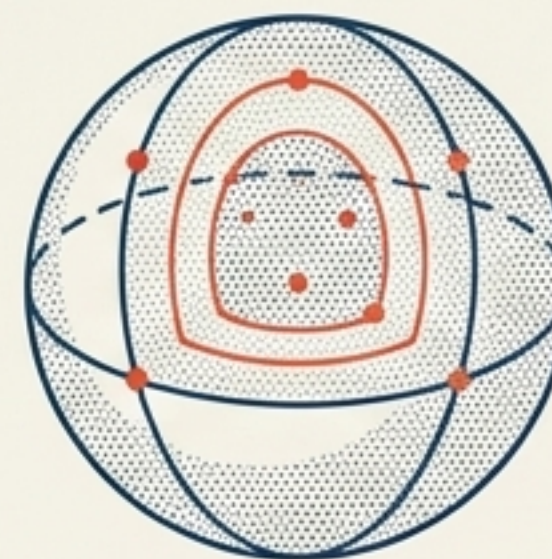
Does the entropic field yield information geometry?

Yes. ✓



Does spacetime emerge from that geometry by coarse-graining to 4D?

Yes. ✓



Does each point in the entropic field contain the information from which all reality emerges?

Yes. ✓

Profound. Radical. Coherent. Unlike anything in the existing literature.

Explore the deepest foundations of reality

To read the foundational formalism and explore the exact mathematical mechanisms, visit the canonical archives:

entropicity.github.io/Theory-of-Entropicity-ToE/
theoryofentropicity.blogspot.com

Perhaps... this is how the universe truly begins.