

The Theory of Entropicity (ToE) is Saying that Entropy is Actually a Universal Field Like Gravity and Electromagnetism, But More Fundamental

The Theory of Entropicity (ToE) is Saying that Entropy is Actually a Universal Field in the Very Same Way We Have Considered Gravity, Electromagnetism, etc. As Universal Fields, and That the Entropic Field is Infact the Fundamental Field Substrate Out of Which All Other Fields are Emergent Phenomena and Properties of Nature

The above statement in the title of this paper has actually hit the nail on the head regarding the specific provocative and audacious declaration of the framework of the **Theory of Entropicity (ToE)** which has explicitly proposed that **entropy is a fundamental, universal physical field** ($S(x)$), elevating it from a mere statistical afterthought to the central driver of the universe. [1, 2, 3]

However, it is crucial to separate this specific new theory from mainstream physics. In the standard, widely accepted framework of physics, entropy is **not** a field or a force; it is a statistical measurement of probability and information. [4, 5, 6, 7, 8]

Here is a direct breakdown of how this new concept works compared to standard physics, and how it completely flips our understanding of gravity and time, and ultimately of our universe, as well as the reality of Nature itself.

The Contrast: Standard Physics vs. Theory of Entropicity

Concept [2, 3, 4, 9, 10, 11]	Standard Physics (Mainstream)	Theory of Entropicity (ToE Proposal)
What is Entropy?	A statistical measure of how energy disperses or how many ways microstates can arrange a macrostate.	A primary physical field ($S(x)$) that permeates all of existence.
What is Gravity?	A fundamental force caused by the geometric bending of spacetime fabric.	An emergent entropic pressure caused by gradients in the universal entropy field.

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What is Spacetime? The fundamental four-dimensional stage upon which the entire universe plays out. An emergent construct; space is effectively a map of entropic accessibility.

What is Time? A fundamental dimension of the universe. The directional flux or "heartbeat" of the entropic field reorganizing information.

How the ToE Redefines the Universe

If we look at the universe through the lens of the [Theory of Entropicity](#), the philosophical and physical hierarchy of nature is completely inverted: [3, 10]

- **Spacetime is Out, Entropy is In:** In Einstein's General Relativity, spacetime is the fundamental fabric. In ToE, spacetime is replaced by the entropic field. Matter and quantum states are just "structural ripples" inside this universal field.
- **Gravity as Entropic Pressure:** Instead of mass curving space to pull objects together, the theory posits that objects are pushed toward each other. This occurs because the universal entropic field is naturally seeking maximum informational equilibrium.
- **The Speed of Light Explained:** The theory introduces the "No-Rush" Theorem. It states that no interaction can happen instantaneously because it takes a finite amount of time for the entropic field to redistribute information. Therefore, the speed of light (c) is actually the cosmic speed limit of entropic reorganization.
- **Time is Just Information Processing:** Time feels irreversible not because a dimension exists called "time," but because the universal entropic field cannot "un-calculate" or undo informational changes that have already taken place. [3, 10, 11, 12, 13]

Where This Fits in Modern Physics

It is important to remember that while the [Theory of Entropicity](#) takes a radical step by defining entropy as a standalone, dynamical field governed by its own mathematical actions (like the "Obidi Action"), it builds on a broader family of modern physics ideas. It is related to, but distinct from, Erik Verlinde's famous [Entropic Gravity](#) framework, which also treats gravity as an emergent thermodynamic property rather than a fundamental force. But the

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Theory of Entropicity (ToE) is the denouement, apogee, and culmination of the ideas of all such Entropic Gravity researchers. [2, 14, 15, 16]

Would you like to explore the **mathematical equations** (like the Obidi Action or entropic geodesics) that this theory uses to replace Einstein's field equations, or explore how it attempts to link up with **quantum mechanics**? [16, 17]

[1] <https://medium.com>

[2] <https://www.researchgate.net>

[3] <https://medium.com>

[4] <https://www.reddit.com>

[5] <https://www.mdpi.com>

[6] <https://pmc.ncbi.nlm.nih.gov>

[7] <https://www.reddit.com>

[8] <https://tarikyildirim.com>

[9] <https://en.wikipedia.org>

[10] <https://medium.com>

[11] <https://medium.com>

[12] <https://www.universetoday.com>

[13] <https://www.facebook.com>

[14] <https://en.wikipedia.org>

[15] <https://encyclopedia.pub>

[16] <https://www.cambridge.org>

[17] <https://www.researchgate.net>

Scholium

In the context of the theoretical framework of the **Theory of Entropicity (ToE)** (also known as Ontic Entropic Field Theory), entropy is exactly that. **Obidi's Theory of Entropicity (ToE)** precisely and radically flips classical physics on its head by elevating entropy from a

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statistical "afterthought" (measuring disorder) to a **fundamental, universal physical field [that is more fundamental and universal than what we have hitherto recognized as the gravitational field of modern theoretical physics]**. [1, 2]

This perspective fundamentally redefines several concepts at the core of physics:

1. The Entropic Field as the Substrate

Instead of treating space as a static stage where particles interact, this view posits that an **"entropic field"** permeates all of existence. In this framework, matter, energy, and even the geometry of spacetime are not the fundamental ingredients of the universe; they are structural ripples and manifestations of this underlying entropic field. [1, 2, 3, 4]

2. Gravity as "Entropic Pressure"

In the classical Newtonian and Einsteinian views, gravity is a fundamental pulling force or a curving of space and time. In entropic frameworks, gravity does not "pull". Instead, it is reinterpreted as **entropic pressure**. Much like the universe's natural tendency to seek informational equilibrium causes a physical "push," objects move together because of entropic gradients created by mass distributions. [1, 2, 3, 4, 5]

3. Time as Entropic Flux

Rather than viewing time as an independent, fundamental dimension, this model interprets time as the directional flux or heartbeat of the entropic field as it reorganizes itself. The irreversibility of time simply highlights the fact that the universe cannot "undo" or reverse the informational changes that have already occurred. [1, 2]

4. The Speed of Light

In Relativity, Einstein elevated the speed of light (c) to an invariant, fundamental postulate. In entropic theories, light is viewed as the visible manifestation of the maximum possible rate at which the entropic field can reorganize energy and information. [1, 2, 3]

While traditional theories (like String Theory or Loop Quantum Gravity) focus on particles or tiny geometric loops as the fundamental building blocks, treating entropy as a universal field shifts the core focus of a Theory of Everything to **information flow and thermodynamic irreversibility**. [1, 2, 3, 4]