

ENTANGLED TIME: DARK MATTER AND THE FRACTURED COSMOS

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Why We Cannot Travel Back in Time

In theory, time is a dimension like space. We move through it constantly, and it seems reasonable to imagine moving backward as well as forward.

But reality says otherwise.

The laws of conservation—of mass, energy, and momentum—demand that the matter of the universe moves *forward* in time.

Everything that existed in the past has already advanced.

It is no longer “there.”

If you traveled backward, you wouldn’t find bustling ancient civilizations.

You wouldn’t find the young universe.

You’d find **nothing**.

No atoms.

No light.

No spacetime structure capable of sustaining matter.

Time is not a film strip you can rewind.

It is a wave that has already passed.

And yet... the Big Bang may have fractured the wave itself.

What If the Big Bang Scattered Matter Through Time?

We imagine the Big Bang as a spatial explosion, flinging matter outward into a newborn universe. But such an extreme event would have warped not just space—**but time**.

What if the explosion expelled matter:

- slightly **ahead** in time
- slightly **behind** in time
- and in the central layer that became **our present**

Not by seconds or years—
but by trillionths or billionths of a second.

A temporal shattering.

Each layer becomes a **thin slice of the universe**, existing at a different temporal offset.
Each with its own distribution of mass.
Each following its own physical trajectory.

A cosmos not layered in space—
but layered in **when**.

Layered Universes and Temporal Shells

In this model:

- The **central** temporal layer (ours?) is dense, structured, and stable.
- Layers slightly offset into the **future** or **past** contain less matter.
- Some layers may be stable.
- Some may collapse instantly.
- Some may drift as ghostly fields of exotic particles.
- Some may mirror our universe—
familiar, yet fundamentally skewed.

These layers are not parallel universes.
They are **adjacent temporal states of the same universe**, entangled by their shared origin.

And their gravity never let go.

Dark Matter as Time-Shifted Mass

If matter was scattered across time, we would not see it.
But we *would* feel it.

Every atom, no matter its temporal position, still bends spacetime.

This produces a simple, elegant picture:

- The “dark matter” influencing our galaxies is **real matter**,
- but shifted into **neighboring temporal layers**,
- gravitationally entangled with our own.

We orbit ghost galaxies.
They orbit us.
Bound across billionths of a second.
Invisible—but unmistakable in their pull.

Dark matter is not missing.
It is merely misplaced in time.

What Happens When Temporal Layers Interact?

Gravity never stops reaching across these layers.
The densest layer pulls on the thinner ones.
The thinner layers tug back.

Over billions of years, this creates **drift**:

- Temporal boundaries thin
- Layers begin to stretch toward one another
- Gravitational wells align
- Distortions accumulate

If two layers begin to merge, even slightly, we may experience:

- anomalies in particle behavior
- unexpected gravitational distortions
- shifts in physical constants
- unexplained cosmic structures

We may already be detecting these effects.

The Ultimate Consequence: A Cosmological Reset

Here lies the most profound implication.

If all temporal layers continue to drift toward each other—
if all their matter, gravity, and curvature converge—
what happens when the layers finally **merge**?

Everything collapses into one temporal point.
Every offset returns to zero.
All mass re-aligns in a single instant.

A return to the singularity—
not from nothing,
but from **everything collapsing into now**.

And from that singularity, the universe explodes outward again, scattering matter
across time once more.

A cycle.
Not a spatial oscillation, but a **temporal one**.
A universe that breathes in time:

Layer. Merge. Collapse. Rebirth.

Endless. Eternal. Elegant.

Conclusion

If this model is correct:

- Time is not a smooth river
- It is a fractured sea of overlapping currents
- Dark matter is the gravity of unseen temporal shells
- And the universe may be preparing for its next beginning

A cosmos built not only of space—
but of the echoes of time itself.
