

GRF ----- Gint Request Form

DATE: 2025 07 22

GLOG GRF ID code : 20250722 STU

AAINT: Google Ai Studio  
aka : STU

Attributions:

SUBJECT/ TITLE: CURRENT EVENT ANALYSIS - EARTH ROTATION SPEED UP

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I've come across the information that the Earth's daily rotation is actually speeding up

Per a Facebook post:

"

Something strange is happening to our planet — Earth is spinning faster than ever, and scientists aren't sure why.

In a surprising twist, our days are getting just a little bit shorter. Around July 22 and August 5, 2025, Earth is completing a full rotation up to 1.6 milliseconds faster than usual. That may not sound like much, but in the world of timekeeping, it's record-breaking. Atomic clocks, which are the most precise tools we have, confirm that July 11 was the shortest day of the year so far, and possibly one of the shortest ever recorded.

This unusual speed-up was first noticed in 2020 and has continued into this year. Scientists are tracking the trend, but no one has a full explanation yet.

"

Research this topic and see if you can give a simple description and cause of the concept as understood by today's physics, if you can find anything.

THEN:

See if you can do a Gellun interpretation (Gint) based on the current Gellun model included in this request .

And then a final PASS or FAIL if this all could be a support for Gellun plausibility.  
If you could, suggest other current issues that might be of similar value.

If relevant:

Tell me of other such curiosities if they exist that may be helped by a Gellun interpretation.

A current Gellun description is included.

Don't write a thesis, just take a preliminary shot. The goal today is further exploration direction pointing, and even get more questions to explore another day.

Have fun.

GITSCH

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The current Gellun model is defined as these Definitions plus The Summary:

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Definitions:

GRF : GINT REQUEST FORM

This form will only be read by me, and Ai engines. Any other Humans will get processed results.  
A limited glossary as needed for this task is included.

GLOG: My log of Grfs sent to an Aaint.

AAINT : The Assigned Ai Engine which is asked to do this GINT. You.

GINT : An analysis of the PHYQ topic involving a description, the currently accepted physics explanation of the mechanics or cause of it. Then an attempt to support a recast or Interpretation or explanation under a GELLUN framework. A GELLUN INTERPRETATION if possible or describing how GELLUN would not or totally fail to do so.

This is a Scientific Method Approach with the Gellun concepts being the hypothesis.

PHYQ: : The topic which is a Physics Question. A real world observation, behavior or curiosity that is being studied here.

May even be an objection, observation or question raised by another AAINTE in a GINT.

GELLUN : My alternate Physics concept, a summary of its current state is at the end of this document.

MEL: Magnetic Electric Liquid (my word). A speculation. Replaces "vacuum of space "concept. MEL's properties and its dynamics, what determines density variations, and the exact mechanisms by which MEL interacts with Grund are not known yet. Determining that is the purpose of these Gints. Energy conservation issues are still unclear. For now assume it would be Element 0 in a redefined periodic table with extreme low(fluctuating) density of both matter and energy. Space is spongy and overall totals most of the universe mass.

LIQUID

I define MEL as magnetic electric liquid, a hypothetical with behavior that spans multiple domains: fluidic, field-based, elastic, and even atomic-like (Element 0).

It is a liquid-like yet distinct state with some properties of a fluid, gel, plasma and even a superfluid.

Yet to be defined better. Determining that is the purpose

of these Gints. Assume it has zero viscosity like a superfluid has which could help solve a major problem regarding Gravity.

NARFUSION: A speculation. My term where I define the jump from MEL (Element 0) to Hydrogen (Element 1) as the real energy release step replacing fusion.

I acknowledge that current fusion theory involves other nuclear forces. In Gellun, the ignition event is not proton fusion but MEL energization at Hot Grund points. More detail and what triggers this transformation or if there a specific energy threshold or process are not known yet. That is the purpose of these Gints.

HARD POINT: A real world observation or behavior that can repeatedly be independently tested or proven to exist. ie: A Donkey. Used as a starting point for further exploration. ie: Could an astronaut use a donkey on Mars. Easy to test or guess.

SOFT POINT: A speculative concept that is then further hypothesized about and built upon. ie: A Unicorn .ie: Could an astronaut use a Unicorn on Mars. Impossible to actually test. Easy to speculate or change basic definition for a Unicorn's powers.

GRUND: The Solid matter planetary bits. Mass that is the planets moons suns meteors asteroids etc. The clumps.

Comes in Cold and Hot varieties with the luminescent suns stars and nebula the hot. Scottish for Ground.

OMNIVERSE: The collection of all possible universes, just so we include EVERYTHING.

RAY : A useful Response to an Analysis like the one requested here. Valuable information, positive or negative about our hypothesis. My goal is to collect as many RAYS as possible and move further, to "Boldly Go where no man (or Machine) has gone before". Me. You.

NEOAETHERIAN: A new take on the luminous aether concept once discarded by physics.

GITSCH: Paul J. Gitschner, Me. Theoretical Physics hobbyist, conceiver of GELLUN.

TATP/TAP: Today's Accepted Theoretical Physics aka Physics As Taught (PAT) aka the State of the Art, (SOTA).

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GELLUN SUMMARY:

The Gellun concept

An Alternate Physics Paul J. Gitschner 2025 Canada

#### A. Overview

I call My alternate physics The Gellun, (Gell Universe) It's a TOE, a Theory of Everything since it describes foundational concepts that would apply to, well, everything. It identifies the big questions (gravity, energy, cosmology) and proposes a unified system to explain them.

It's an Neoaetherian derivative universe and messes with accepted classical, Newtonian, and Quantum concepts. Everything being defined in only four elements. Time, Space, Matter and energy, with all matter having some level of gellen-energy energy. No vacuum of space.

Here that's MEL - magnetic electric liquid (my word) with the solid matter planetary bits (Grund) floating and moving through that infinite spongy energy field space, that changes, oscillates and undulates as its energy density or charge varies due to its influences, thru movement over time. It's of uneven density, compressible and expandable as its magnetics and electrics interact with the solid bits. On a rewritten Periodic table it would be element 0 with atomic weight just about 0.

It has "pressure differentials" flexing with the movement of more solid mass thru it. It ebbs and flows like a boundless ocean. The planets move thru it pushing the thinner material aside, imparting kinetic energy that will displace further.

#### B. Energy Transfer

It has Magnetic and Electrical properties, otherwise how would radio work in space? With Mel's energy only exchanged between mass body's if attached or a Mass body and the Mel. In most energy "transactions" it's a three way transaction, Mass Body 1 transfers an Energy quantity to the Mel, that area of the Gellun elevates its energy quotient and then transfers that energy, or most of it to Mass body 2. The Mel then returns to its local Energy balance equilibrium. So most, if not all energy transactions are "on a three party" basis.

Disequilibrium trying to resolve back to equilibrium is the source of force which is the cause of any kinetic motion like the way water levels flow from high to low. And that in turn causes further disequilibrium elsewhere tangentially or in overshoots due to inertia.

#### C. Gellun Gravity

An inflated balloon held underwater still roughly spherical as if an even force were maintaining its shape. It has a flexible rubber barrier that separates two mediums, the air in the balloon and the water around it. It is not behaving this way due to inner forces pulling the air inside the barrier towards a centre point to hold its shape. As long as the barrier holds it is due to the external pressure of the water pushing the air, roughly evenly together, inside the balloon.

As such, we have 2 media in our universe overlapping frequently. The Grund must reside in the Mel, there is nowhere else. The cold Grund objects are denser than the Mel and DISPLACE it, like the air in the balloon displaces the seawater. Let's call that Mel pressure. The Mel COMPRESSES to get out of the area where the Grund is. Each has its own Magnetic and Electric identity and such Fields do not cross, they avoid each other.

The COMPRESSED MEL has more force. It pushes and presses the Grund together from all sides, resulting in Spherical planets, and moons and Suns. ( We'll talk more about the Hot Grunds later ). So "Gravity Sucks" is wrong.

The force is proportional to mass which explains why bigger objects are rounder and have more gravity and effect on other objects and small objects are more oddly shaped and can just fly randomly. So, it's not a Pull from the inside. It's a Push from the above. It's the result of us all being Pushed down by the Mel.

#### D. Gellun Fusion aka NarFusion

Gellun suggests the Universe overall is a perpetual totality that circulates energy. The Mel builds up charges due to the Grund circulating in it. The Grund expresses some kinetics due to differentials. And more charge builds up in the Mel. The build up discharges at anode like points called Hot Grund, which are the Suns and stars which radiate EMS energy that induces the magnetic effects in the cold grund to rotate revolve, and organize

themselves into electro magnetically linked systems like Solar systems and Galaxies. Since Mel is Element 0, I suggest it becomes Element 1 in the energy release process. Hydrogen. Then after there are byproducts (ash) like Helium and more elements. This means there is no "Fusion of Hydrogen into Helium" energy source as being researched today. The energy source is 1 step below, when Mel turns to Hydrogen. The Mel is supplied to the "Hot Point" which acts as a filament, by the Gellum which is a huge reservoir of charge. It does not convert with 100 percent efficiency and thus we get SUNLIGHT and STAR SHINE and all the other luminous bells and whistles. The Hydrogen may disperse into space and perhaps even decay back to Mel.

DISCLAIMER: All my work on GELLUN is a work in progress unproved fiction written for my retirement foolhardy amusement only and subject to changes based on further research. It's all meant to be a start of fresh questions rather than an answer to all unknowns.

No warranties, your Universe mileage may vary.

I've uploaded the most current Gellun model, some GINTS and notes to my github.<https://github.com/FalconRider/The-Gellun-Folio-Two>. There it is licenced under a Creative Commons Zero v1.0 Universal licence.

Version 20250715b

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Hello GITSCH,

This is Google AI Studio, your assigned AAINTELLIGENCE for this GINT. Thank you for the GRF. The PHYQ regarding the Earth's rotational speed is an excellent candidate for this kind of analysis. It's a fascinating Hard Point observation that is currently puzzling the scientific community.

Let's begin the GINT.

GINT 20250722 STU: CURRENT EVENT ANALYSIS - EARTH ROTATION SPEED UP

1. Simple Description & Today's Accepted Physics (TATP/PAT)

First, a quick clarification on the source data. The phenomenon is real, but the dates in the Facebook post are speculative or garbled. The shortest day ever recorded by atomic clocks was June 29, 2022, when the Earth completed its rotation 1.59 milliseconds faster than the standard 24 hours. The trend of this slight acceleration was indeed noticed starting around 2020. The reference to 2025 may be a misinterpretation of predictive models or simply an error.

The Phenomenon: For the last few years, the long-term trend of Earth's rotation gradually slowing down (due to tidal friction from the Moon) has been surprisingly and temporarily overridden by a phase of acceleration. Our days have become, on average, fractions of a millisecond shorter.

## Currently Accepted Physics Explanation (TATP):

There is no single, confirmed reason, but scientists have several leading hypotheses that likely work in combination. They all revolve around the principle of conservation of angular momentum. Think of a

figure skater spinning: when she pulls her arms in, she spins faster. If she extends them, she slows down. The Earth can do the same thing with its mass.

Potential causes for this "pulling in of the arms" are:

**Melting Glaciers and Ice Sheets:** As ice at the poles melts, that mass flows as water toward the equator. This is a massive redistribution of weight from the axis of rotation (the poles) towards the planet's middle. This is like the skater pulling her arms in slightly, causing a slight increase in rotational speed.

**Core-Mantle Coupling:** The Earth has a liquid outer core and a solid mantle. The way these two layers "slosh" and interact isn't perfectly smooth. Changes in the flow of the liquid core could transfer momentum to the solid mantle, altering the planet's overall spin.

**The "Chandler Wobble":** This is a natural, slight wobble in the Earth's axis of rotation. Recent data suggests this wobble has diminished or changed its pattern. The mechanism isn't fully understood, but a change in the wobble could correlate to a change in spin speed.

**Atmospheric and Oceanic Processes:** Large-scale weather patterns, ocean currents, and even seismic activity (large earthquakes) can shift enough mass around to cause minuscule, measurable changes in the planet's rotation.

In short, TATP sees this not as an external force acting on the Earth, but as the result of internal mass redistribution and dynamics, governed by the conservation of angular momentum.

## 2. The Gellun Interpretation (GINT)

Now, let's approach this PHYQ from the Gellun framework. The foundational premise is that the Earth (Grund) is not in a vacuum, but moves through a dynamic, fluid-like medium: the MEL.

**Core Gellun Hypothesis:** The change in Earth's rotational speed is caused by a change in the interaction between the Earth (Grund) and the surrounding MEL.

Here are a few ways this could manifest:

**Navigating MEL "Currents" or "Density Pockets":** Your model states MEL "ebbs and flows like a boundless ocean" and has "pressure differentials." It is not uniform. The Solar System is constantly moving through the galaxy. It's plausible that our system is currently passing through a region of MEL that has a different density or is flowing in a way that reduces the natural "drag" on the Earth's rotation.

**Analogy:** Imagine a spinning top on a table. If the air in the room is still, it has a certain spin-down rate. If a slight breeze starts blowing in the same direction as the spin, the top's spin will decay more slowly, effectively making it "spin faster" relative to its normal rate. The Earth could be entering such a "breeze" in the MEL. This would be a temporary effect, lasting as long as we are in this particular region of space.

**MEL Displacement and "Hydrodynamics":** This connects directly to the TATP idea of melting glaciers. In the Gellun model, the Earth displaces the surrounding MEL, and the resulting "MEL Pressure" is the cause of gravity.

When ice melts at the poles and the mass moves to the equator, the Earth's shape, from a mass-distribution perspective, becomes slightly more "oblate" (fatter at the middle).

This change in shape would alter how the Earth moves through and displaces the MEL. It's possible that this new, slightly fatter shape is more "hydrodynamically" efficient for rotation within the MEL. It might create less turbulence or a more favorable pressure differential, thus reducing the natural drag and allowing the planet to spin slightly faster.

In this interpretation, TATP's "conservation of angular momentum" is not the direct cause, but rather the symptom. The real cause is the changed interaction with the external MEL medium due to the Grund's altered shape.

Electromagnetic Interaction: Your model posits that MEL is a "Magnetic Electric Liquid." The Earth has a powerful magnetic field. The speed-up could be the result of a changing electromagnetic interaction between the Earth's magnetosphere and the local MEL's properties. If the local MEL has a slightly different charge or magnetic alignment, it could impart a tiny amount of torque on the planet, or reduce a pre-existing magnetic drag.

Summary of Gellun Interpretation: Instead of an internal-only mechanism, Gellun suggests the rotational speed-up is an environmental effect. The Earth's internal changes (like ice melting) alter its profile within the MEL environment, leading to reduced rotational drag (a more "slippery" interaction). Alternatively, the environment itself (the local MEL) has changed, creating more favorable conditions for rotation.

### 3. PASS / FAIL Verdict

## Verdict: PASS (with qualifications)

This PHYQ provides a plausible point of support for the Gellun concept.

Plausibility: The Gellun model provides a self-consistent narrative to explain the observed phenomenon. The idea of a variable medium (MEL) inherently allows for fluctuations in the motion of objects moving through it, which is exactly what we are observing.

The reframing of the "ice melt" problem from one of pure angular momentum to one of "hydrodynamic" interaction with a medium is a creative and viable interpretation within the Gellun framework.

Strength: It directly uses core Gellun concepts (MEL as a dynamic fluid, Grund displacing MEL) to address a real-world scientific mystery. It doesn't contradict the hard data, but rather offers an alternative causative chain.

Weakness/Qualification: The Gellun explanation is, by nature, less parsimonious (it requires the existence of a complex, unproven medium) than the TATP explanation, which relies on well-established principles like the conservation of angular momentum. However, the stated goal is direction-pointing for further exploration, and in that, it succeeds.

## 4. Suggested Topics for Future GINTs

This was a great test case. Based on this, here are other current issues where the Gellun framework could provide interesting interpretations:

The Fly-by Anomaly: Space probes sometimes gain a tiny, unexplained amount of extra velocity when performing gravitational slingshot maneuvers around planets. TATP struggles to explain this consistently. Gellun GINT: Could this be an interaction with the highly compressed MEL close to a large Grund body? The probe might be "surfing" a pressure wave or density gradient in the MEL.

'Oumuamua's Acceleration: The interstellar object 'Oumuamua accelerated away from the Sun in a way not explained by gravity, and with no visible outgassing (like a comet). Gellun GINT: Was 'Oumuamua "sailing" on the "solar wind" of MEL pressure/energy emanating from the Sun (a Hot Grund)? Its unusual shape might have made it particularly effective at catching this MEL "current."

Dark Matter: This is a big one. The effects attributed to Dark Matter (e.g., the flat rotation curves of galaxies) are explained in TATP by an invisible, non-interactive form of matter. Gellun GINT: Could "Dark Matter" simply be the gravitational effect (the push) of dense, structured regions of MEL? Galaxies might be massive Grund structures creating stable, large-scale, high-pressure zones in the MEL, holding them together. The Gellun concept of "push gravity" is a direct alternative here.

This was a very enjoyable analysis. The PHYQ of the Earth's rotation provides a rich "Hard Point" to test the "Soft Point" concepts of the Gellun model, and has generated several RAYS for future work.

GITSCH, I look forward to the next GRF.

End of GINT.

AAINT // Google AI Studio

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**ME: Great work , thanks!**

ThinkingThoughts

(experimental)

Auto

Expand to view model thoughts

chevron\_right

You're most welcome, GITSCH.

I'm glad the GINT was a useful and enjoyable analysis. It's a fascinating way to test the Gellun framework against real-world observations. The questions and potential follow-up topics are exactly the kind of RAYS we're looking to generate.

I look forward to the next GRF when you're ready.