Main Body:

In current mainstream theories, earthquakes are commonly attributed to stress accumulation and sudden release along fault lines and tectonic plates. However, this explanation proves insufficient in cases such as:

- Inland earthquakes far from tectonic boundaries
- Deep-focus earthquakes
- Seismic anomalies without clear plate interaction

Simultaneously, Earth’s interior holds vast thermal reserves, with core temperatures reaching thousands of degrees. Traditional explanations attribute geothermal release primarily to volcanic activity or mantle convection. But this raises important questions:

- Why doesn't Earth continuously erupt?
- Why is geothermal release generally stable and nonviolent?
- Why do strong earthquakes occasionally occur in "seismically quiet" regions?

We propose that **a hidden mechanism exists**, where geothermal pressure is **silently regulated by gravitational trend structures**—through a self-balancing energy process mediated by space electrons and gravitons.

1. Gravity as a Regulator, Not Just a Result

Traditional physics treats gravity as the attractive force between masses. However, under the **"space electron – matter electron – trend fluctuation" framework**, gravity can be seen as an emergent field of trend-mediated energy adjustment.

We hypothesize that:

- Earth's high-temperature, high-pressure interior generates **gravitons** through internal **trend structure arrangements**.
- These gravitons act as microstructural carriers of wave-like fluctuations.
- As gravitons are released outward, they **regulate internal pressure** without physical rupture.

But if this **gravitational release pathway is blocked** (e.g., due to trend structure imbalance), pressure builds up. Once a threshold is crossed, the system can no longer self-regulate and **violent release through crustal rupture** occurs—i.e., an earthquake.

2. A Model for Non-Volcanic Earthquakes

Volcanic eruptions are known pathways of geothermal release, yet:

- Volcanoes are geographically sparse
- Eruption frequency is low compared to global geothermal activity

Hence, the **main geothermal outlet may not be volcanoes, but rather a gravitational trend modulation system**.

When the system is stable:

- Trend structures remain balanced
- Gravitons are steadily released
- Space electrons are undisturbed → **No seismic signals**

When the system is disrupted:

- Local trend structures accumulate abnormally
- Graviton channels become congested
- Space electron structures destabilize → **Material disturbance**
- Pressure spikes → **Earthquake**

This model explains:

- Non-boundary earthquakes
- Sudden quakes in long-dormant zones
- Animal panic responses without meteorological precursors

3. Biological Sensitivity to Trend Disturbances

Some animals show pre-seismic sensitivity long before human instruments detect anything. This could be explained as:

- Certain life forms (with sensitive neural systems) naturally sense **spatial trend fluctuations**
- Gravitational trend disorder causes **chaotic space-electron wave behavior**
- These shifts trigger instinctive animal responses before mechanical indicators detect changes

4. Implications and Outlook

While we acknowledge that **plate tectonics** remains the dominant model for most earthquakes, we propose a **"second-layer model"**:

> **Trend structure disorder → Graviton pathway blockage → Pressure accumulation → Earthquake**

This may be particularly relevant for **deep-focus quakes** and **intraplate anomalies**.

Though current technology may not directly confirm this model, it offers new angles to explore:

- **How geothermal energy is released**

- **Why certain non-volcanic quakes occur**
- **How biological systems detect seismic signals**

If this model proves valid, we propose a real-world application:

> Deploy ultra-sensitive graviton/trend-field sensors globally to monitor gravitational anomalies in real time.

When abnormal graviton activity or **trend imbalance patterns** persist in a given region, it may serve as an **early warning indicator**.

With sufficient detection sensitivity, earthquake prediction might improve from **minutes** to **days** or even **a week in advance**, offering precious time for preparation and evacuation.