Analogy

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Analogy: The Crumpled Paper and Different States of Spacetime

Imagine that **you all have** a **crumpled paper ball (CPB)** and a **flattened paper sheet (FPS)**. Both entities are one - it's the same paper, just in two different states.

Matter is essentially compressed Spacetime (ST), much like a paper sheet that can be completely or only partially crumpled. Matter is like "**compressed ST**" - it's a different form of ST, analogous to the same substance occurring in different states of matter, like water and water vapor. Compressing ST into matter requires providing a very large amount of energy, according to Einstein's relation $E = mc^2$.

In summary: ST and matter are fundamentally connected at the most basic level of existence.

According to hypothesis, ST can **store energy within itself** (when we "crumple the paper," partially or completely, creating matter) or **release it** (when the "paper flattens out," and matter undergoes relaxation back to the ground state of ST).

Comparison with GR (General Relativity):

- **In GR:** matter and ST are one **actor** (matter) and one **stage** (ST). The stage is a passive backdrop, an addition to the actor.
- **In hypothesis:** ST and matter are like **two dancers** performing their dance together from the very beginning of the Big Bang. Both are active, dynamically interacting with each other, and neither is merely a backdrop for the other.