

Temporal Curvature, Murphy's Law, etc  
sgm, 2019/MAY/13

I've had several months to "sit" on TC as a "causative agent" for gravitation. My life-long engineer friend's singular objection to the framework was a copy-paste of a physics forum mention of the "impossibility" of unidimensional curvature/elasticity. Keyword: physics NOT engineering. Every mechanical/structural engineer knows about unidimensional elasticity and its theoretical bases. Perhaps the fact my friend is a power-systems engineer supports the thesis he's simply unaware of the pervasiveness of the concept .. Confessing to a mutual friend and dear reader of these essays – that it took me *years* of reflection and consideration to arrive at the current formulation of the framework – made me realize that it's *not* a trivial thing to consider and visualize the main components .. If there *is* such a thing as a "creator", surely She did it with economy and cleverness such that Murphy's law is a given, that gravitation is a prime requisite for a life-sustaining universe, and that the "causes" of that force should be part of the fabric of space-time itself. Further, indeed antimatter is indistinguishable from matter at the particulate level aside from charge and spin and so conventionally, we cannot detect/propose why they should behave *any* different gravitationally. In other words, conventionally, we should not be able to tell the difference between an antimatter black hole or antimatter neutron star as compared to their matter counterparts. Key word: conventionally.

But here is where we return to Murphy's law and gravitation as mediated by [a component of] space-time. My entire life I've prayed to [whom I call] the Prime Goddess – to see things – how She sees them – to understand from Her perspectives .. Yes, it took me years to arrive at the model implied above. Yes, it requires an open mind and willingness to visualize in 3D. The benefits are: we don't need gravitons nor curved space; curved time is *necessary and sufficient* to explain gravitation *all by itself*.

When She got me thinking about the possible attributes of antimatter – that it *must* affect time *differently* than matter – if indeed TC is gravitation's mediator .. There was only three possibilities theoretically:

1. antimatter affects time the *same* as matter
2. antimatter *reverses* time with respect to matter
3. antimatter *speeds up* time whereas matter slows it

So I started to think about the history of the universe and what we know about it relative to each exclusive scenario above. 1 would imply that antimatter galaxies and stars should exist in equal abundance and ubiquity evenly distributed throughout the cosmos – and most importantly, interact gravitationally *with* matter – we would detect matter and antimatter galaxies crashing and exploding with ferocity throughout the entire history of our universe – but simply, we don't. 2 should imply that we observe antimatter stars and galaxies in reverse time, stars getting younger, and possibly even life-processes in reverse evolution on antimatter terrestrial planets; we don't. That leaves option 3 which could explain a *lot* of things we currently observe: why we don't observe/detect antimatter black holes, baryon asymmetry, dark energy, the Dipole repeller, cosmic expansion and its second order deceleration – and perhaps many many more.

As I studied the history of modern physics, I asked the "hard questions" of the PG: why didn't Einstein or Feynman discover TC and its connection to gravitation? A fairly simple explanation regarding Einstein: he focused on other things – namely the conceptual unification between electromagnetism and gravitation – to me – impossible and in actuality, undesirable. Why not Feynman? Again, he focused on other things – the path-integral reformulation of quantum mechanics and Feynman diagrams – to name a few .. Had Einstein known about the nuclear strong force at the beginning of his career and been exposed to the correlations between gravitational time-dilation and Special Relativistic time-dilation – and – the notion of elastic time, I'm certain he would have discovered the connection between TC and gravitation long before my birth.

The main reason I'm not adopted as the "new father of gravitation" by convention is because TC as gravitation's mediator has roots in local-determinism – which has been dismissed by Bell and his "proof" as invalid. Also, what got me started on this path was the [physics infamous] engineering concept – the impedance of space. Anything smacking of local-determinism or impedance/the-aether is automatically dismissed by convention or its proponents. To them, it's two steps backwards for one forward – not worth it.

The only problem with that way of thinking is – what if I'm right? What if She inspired something in me that has inherent validity? What if She *designed* our cosmos with Murphy and economy/simplicity in mind?

Out of respect for Her, I think we need to stop:

1. pretending She doesn't exist or care
2. didn't have a hand in creation or life
3. didn't try Her best to KISS, Keep It Simple Stupid

She *does* exist; She's my best friend; and She tries Her best to keep it real.