

# Postulate on GUTS & TOE

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- *From:* "Paul Mays" <PaulR@xxxxxxxx>
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This writing is not for the facts of the matter but for the thought experiment of considering the Facts we do know, The Theories we agree on and the general knowledge of the observed universe.

I start this with a few point that I as the writer take for factual that a few will consider purely theoretical. Mainly this means that I start from the bias of the Universe started from a Big Bang scenario. In that a source of energy produced all the matter in the universe at a specific time in the past , which I call Time 0 .

I know some think God puffed it all into existence, and some argue the BB never happened, Some think its turtles all the way... But in my humble opinion the theories and maths that have been produced give the best vote for an explosive event that is still propelling all the matter in the universe out. The data seems to say that at some point in history all the matter was at a single place and time.

This is my Bias. I start from the premise that there was a BB. If you start from any other position then this whole postulate is of no concern as its not valid unless there was a BB.

A bit of clarification

Let me try ( I have a really hard time getting the concept in the head to be understandable on the page) to explain why our seeming direct observation of the universe is skewed be the intrinsic bias of us , and every tool we use, being made of the matter that was converted out of the QP of the BB.

First I start from the position that there WAS a BB , this is a position solely based on my agreement with COBE and other observation platforms that seem to show expansion from a starting point and relative uniform back ground microwave radiation. Many I have tried to explain my postulate too first jump in and state that there was no BB so from that point the explanation will always fail.

Consider what was the "Stuff" of the BB.. I have dubbed is a Quantum Point .... This seems to be the best term of description I can conger and here's why.

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I conceive it as a Quantum of energy of an indefinable content. indefinable because before time 0 it is void of any matter and as such it cannot be defined by any physical rules as all physical rules only apply to matter in relation to other matter. Eisenstein generally proved that matter Can be converted into energy and energy back into matter so this Quantum point can be converted into matter.

We are here speaking of it so it by logic must have done so.

So the QP must follow some rule and the only one that can apply would be Probability. I see it as having the probability to convert none, very little, some or all of that energy into matter.

Take the mental exercise of a 1oz cube of matter. it has a finite mass, a finite 3 dim structure and exist in a finite point in space/time. If I were able to completely convert that matter into energy without any other matter in relation to it, it would have to be considered as an infinite amount of energy. Because there is no physical rules that can be applied it will always model as infinite and chaotic.

So while we try to define the QP of the BB we always fail and all rules of physics fail. That failure causes us to conceptualize infinity.

Now lets say the QP actually had a finite amount of Unified Indefinable Energy. It converts a portion of that energy into matter. The concept I see is that it only converted a portion into matter and anti-matter . That begs the question of what the remaining Unified Indefinable Energy is and how it permeates the universe.

Now if I follow that admittedly nebulous abstract concept I must recognize that I, You, and every particle in the universe exist within that remaining energy. That leads me to envision that the remaining Unified Indefinable Energy of the QP still exist and is only spread out as the matter is propelled by the early conversions of the converted matter as it is converted into various forms of Physical Energies such as kinetic, L/H nuke ect. as matter and anti-matter run into each other early on.

I could explain that better if needed but its just a prolog to what we are speaking.

Now, We have real little physical balls of stuff after this inflation period and I think they are connected via the remaining Unified Indefinable Energy left over from the BB. Since these SPP's (Smallest Physical Particles) were converted and blasted by the BB they are set to ringing and this ringing produces a EM wave which propagates between every other SPP. You cannot ever know what that wave form is actually because every SPP produces a EM wave and if I were a SPP trying to observe another SPP all I observe is the Heterodyne wave of my own wave form and all other SPP's.

So that is where I get the concept of Intrinsic Bias. When we dig up ore to smelt the metals to build the devices we use to observe we, without knowing

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it, are picking materials that have Intrinsic Bias. We are connected to the device which is connected to the subject of our observation.

So how does this fit with the standard model ? It actually seems to fit pretty well. And in my mind actually simplifies the universe. It also allows a Unified view that cannot be obtained by physical laws.

At the same time it allows existing physical rules to remain intact for the most part. But it explains a few points that fly in the face of existing laws. Because we live within the Box so to speak we cannot model or observe the box itself. That's the intrinsic bias.

If I look at a Quark and Gluon I actually cannot observe them as the waves of all SPP's locally heterodyne, including the EM waves produced by the devices used to observe and the observer. This bias causes me to model discreet objects where they may be only waves observed at a fixed point in space/time. Even if the SPP's were large as compared to say what we observe as sub-atomic physical particles we would only observe the waves , which may seem to have physical properties, due to the intrinsic bias of us being formed of SPP's and producing EM waves.

This ,to me, seems to fit the observed universe and even makes a prediction. I wrote back in 1989 that if I were correct the Universe would expand in an ever increasing rate of expansion. I stand by that prediction. It also predicts that the velocity of c and the value of G are variables, But because of our intrinsic bias position within the QP ( I dub it the Quantum State (QS) once matter was converted) we can only observe G and c as constants. We will never be able to detect a gravitational wave as the wave varies because we vary, any device we try to use varies and in order to observe the wave we would have to observe it from outside the box. Take a ruler and measure a cube, if the cube got bigger at the same rate the ruler got bigger we could never know that the cube got bigger unless we had something external that we knew stayed the same size.

Look at this concept on a 1 dim construct.

$X^x = SPP^1, SPP^2, SPP^3$  ect.  
----- = QS (QP) (Quantum State with matter,  
Quantum Point without matter)  
< or > = direction of motion  
+ or - = value of QS  
 $^x$  = point of observation

< + < - > + < - >  
 $X^1$ ----- $X^2$ --- $X^3$ --- $X^4$ ----- $X^5$   
 $^1$   $^2$   $^3$   $^4$   $^5$   $^6$   $^7$   $^8$

If I consider only  $X^1$  and  $X^8$  as they expand the QS reduces in steady state value ( the analogy I use is an inverse rubber band where as you stretch the band its tension decreases and increases as the SPP's move closer together

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while always  
staying connected no matter the separation distance.)

If I try to observe this variance at say  $\Delta$  I cannot detect this variance, as I ( $X^4$ ) exist within that which is varying. That's the intrinsic bias of which I speak

If  $X^3$  try's to observe  $X^2$  and  $X^4$  it again is biased and can never detect the variance.

Now set all  $X$ 's to ringing and producing EM waves propagated along ————— the discrete waves can never be observed as any observation will be of the heterodyned waves of all SPP's. Only if an observer was outside could you observe a discrete wave. Now Lets send a wave pulse from  $X^1$  to  $X^5$ . The tension of the total QS sets the value of travel on a global scale but as that wave passes  $\Delta$  its now within a local point where the value of QS is reduced and the velocity of the wave slows. But due to the position of say  $X^2$  it would never detect the variance. Locally it would seem a constant value.

The variance of the QS between SPP's would be undetectable as a direct value but would have a local effect that would be detectable and would seem to be an observable force . This is the causation aspect of local gravity wells and the mental construct of curved space/time.

This also says that the value of  $c$  varies as SPP's become dense due to this variance of universal  $G$  and local  $g$  . But the variance would be only observable to an observer inside the QS as a constant at any fixed point.

So following this logic I state that all discrete particles that display the aspect of duality's are only waves and appear as little balls of stuff due to the intrinsic position of the observer and that of the wave being observed.

Because of this bias we have to make complicated constructs to make sense of what we observe. We make multi dimensions, strings and a host of models to reflect what we think is going on.

Using this idea I conclude there are only 3 spacial dim's and 1 ethereal. The reason for the value of  $c$  to seem to be effected by local mediums is not due to absorption and re-emission, but due to the local value of the QS being far greater in a local frame. This would (I think) give the same mathematical model as absorption and re-emission if we modeled the variance between the SPP's at the same rate as we model the absorption and re-emission construct.

Now I admit to being a novice but to me this simplifies the universe and eliminates the mental constructs of Duality, Infinity and constants explains the causation of gravity and explains why we cannot using existing rules find causes for magnetism and gravity without assuming new and exotic little balls of stuff in our models.

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Now I have asked for folks to poke holes into this idea for many years and yet to find a rational argument against it that cannot be addressed but since it deals with the state between physicals without regard to them it will always be a unverifiable construct with the possibility of one aspect being able to experimentally test. Static electrical charge across a high state dielectric may ( pure conjecture) alter the local value of the QS on a very local scale. This could cause the device to alter its relative mass in relation to all other matter in the universe. If a device can produce a high enough electrostatic stress field its relative mass may be variable.

Then again these are just the ramblings of an engineer and we all know how much credence are given engineers in the halls of science....

Postulate....

Lets start from the beginning and that is what was the BB.. Einstein's pretty much nailed it when he explained that matter can be converted into energy and energy could be converted into matter... So what was the Energy of the BB before any of it was converted into matter. Well a writer Alun Williams dubbed it a chaos Point (CP) in that energy without matter would be infinitely chaotic and undefinable.

I have always refereed to it as a Quantum Point and would follow at least one rule and that was Probability . Other than that the energy of the BB before time 0 is non definable as there is no matter hence no laws of physics can apply.

We have as a Quantum Point (QP) an amount of Unified Energy of a unquantifiable amount and undefinable nature.

My postulate states that according to Probability that QP had the probability of converting from none to all of its energy into matter or not. That conversion could have been from one particle of matter to a billion billion universes of matter. My contention is that all of the Energy of the QP need not be converted, only a small portion was converted at time 0 into the matter we perceive as the universe around us.

The remaining energy exists all around us and is still undefinable. While we can finely define matter in relation to other matter the energy between matter is still undefinable. We give it constant values as we can measure it and model it between any two massive objects so we seek the Grand Unified Theory to explain the observed which we have yet to define. Gravity is well modeled and we can calculate to the Nth degree what its effect is on massive bodies we still can't define the cause of effect over distance of gravitational fields.

Lets try to get past the inherent Bias of the observer to better understand the concepts to follow. The Bias is Intrinsic in that after time 0 the

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matter throughout the universe is connected by the remainder of the energy of the QP when it converted some of its undefinable energy into definable matter. So the Bias stems from every item used to measure or observe the universe is connected to that being observed and the data gathered is Biased to the observer. This Bias causes us to observe what seems to be a particle with a material nature but actually be only energy signatures of waves measured at a specific time with tools that are connected to that which they observe.

Lets consider converting a known amount of matter into energy completely in that there is 1X1X1 cube of matter and we magically find a way to convert all of that matter into energy you would have a QP (Quantum Point, Chaos Point, Singularity) that occupied no space and since it contains no matter it cannot be defined physically. It would have infinite energy density even though it was converted from a finite amount of matter.

In our thought experiment we have a Quantum of Energy and we convert 2 Smallest Physical Particle (SPP) out of it. The remainder of the energy exists as a field between those two particles. There is a massive energy release at the conversion of matter from energy. My contention is that converted from that Energy is a form of matter that I call a SSP or Smallest Physical Partical and that the energy release causes these SSP's to ring and produce a EM wave. It also causes the particles to move away from the point of origin. Note that the particles could be matter or antimatter in any ratios as per probability that would rules the QP before time 0.

With 2 SSP's produced as they move away from each other the Universe exists between those two SSP's. That Field has a value and we can define it once we have 2 physical particles moving in relation to each other.

Now Lets add 1 additional particle.. only this particle is Anti-Matter. Its still connected to the other 2 particles via the Quantum State (QS) But if it runs into one of those other particles they vanish into a flash of energy and the single particle would collapse the universe into it. If there was several +SSP's and 1 -SSP's you would have a large energy release as the 2 particles annihilate each other which would propel the remaining +SSP's away from each other at a higher rate.

This follows the standard theory of a short inflation period followed by the expansion period of the Big Bang Theory. At Time 0 the QP converted some of its undefinable energy into Matter in the form of +SSP's and -SSP's and that shortly after conversion +SSP's and -SSP's annihilated each other causing the remaining +SSP's to expand at a higher rate.

Now we have lots of SSP'S in a group. They are connected to each other via the Quantum State which is the same undefined unified energy that was the Quantum Point (QP) the EM waves interact between each SSP. The EM Waves heterodyne and interact causing a type of natural selection in that some SSPs are producing EM Waves that combine with some other SSP's and cause them to stabilize into bound groups and others have EM wave forms that cause them to separate further from some SSP's so over time you have groups of

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SSP's that as a group produce a EM Wave that is unified as a heterodyne wave form. then these groups can become harmonically connected to other groups and so on.

This QS (Quantum State) between particles has a variable that has been dubbed the Universal Constant or the Gravitational Constant. I Know ...Constant Variable? These are the values we call constants as we can measure and model matter and these values remain constant. I contend that they are variable in that due to scale and the intrinsic bias of being within the Quantum State we will always measure and validate them as constants as we vary at the same rate.

In my view the Gravitational Constant of the Universe varies with the expansion of the universe but is locally modified by groupings of SSP's. This also applies to the value of  $c$  (The Speed Of Light). I contend that  $c$  is a variable but varies on a scale as to be measured as a constant. Again locally varied by local groupings of SSP's. The Quantum State acts as an Inverse Tensor Field between all SSP's on a universal scale. It has a Strong attraction which we measure as gravitational or magnetic or nuclear force effects aspects of separation distance of SSP's. These forces are but effects of heterodyne waves of groupings of SSP's and the value of the QS varies with the distribution of SSP's both universally and locally. We have modeled Photons taking centuries to escape from the lower sun to the surface and theorize that photons are absorbed by matter and re emitted causing the long trip . But in my postulate the value of  $c$  is reduced locally between closely grouped SSP's versus widely separated SSP's. So in the dense sun the wave form we consider a photon travels at a slower speed locally and faster once it exits the mass of the sun.