Journal of Physics and Astronomy

Hypothesis|Vol9Iss9

Explanation of Gravity inclusive of General and Special Theories of Relativity

Robin Eddy

Private Researcher, Department of physics, UK

Corresponding author: Robin Eddy, Private Researcher, Department of physics, UK, E-mail: robineddy@hotmail.com

Received date: September 27 ,2021; **Accepted date:** October 12, 2021; **Published date:** October 20 ,2021

Introduction

Gravity one of the founding properties of a Universe. So scarcely understood, it does not take particularly well to the equations that make up the Standard Model. Indeed, should the Standard Model become completed at a later date, we would have a 'Standard Model' for the construction of any type of Universe. At the moment we may see the Universe as perhaps the inside of a basketball, or a round configuration, whereas, with a complete Standard Model, we may start to form ideas about what a triangular, pyramidical or oblong or paraboloid 3 dimensional Universe may contain and do.

However, Gravity still sits at the heart of this conundrum and this paper aims to look at where previous attempts to describe and explain its role in Universal mechanics went wrong, in my view, and where explanations of its role can be scaled to mass.

Model

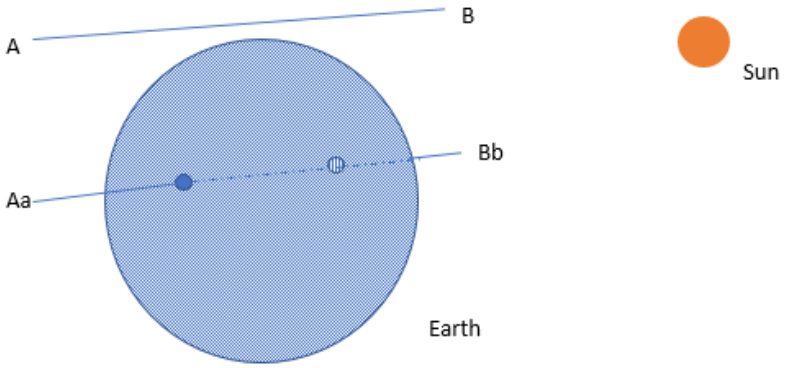

FIG.1. **Model of Earth and Sun.**

If Einstein's current interpretation is to be believed, you would be forgiven for thinking A-B does not equal Aa-Bb. But I would say it does.

Points of fact

Citation: Robin Eddy, Explanation of Gravity inclusive of General and Special Theories of Relativity, J Phys Astron.2021;9(9):240

- The famous grid / field diagram showing the Earth caught like a ball in a fabric web does not account for all of the warped space, e.g. only where it has 'landed'.
- The only evidence known for warping in Nature is when a material changes state, i.e. from a solid to a liquid where the material contains Carbon.
- As the Earth moves in the Suns' orbit, you would have to accept that such a warping be somewhat asynchromatic. The Gravity well of the Earth would be shallower at the bow.
- Einstein believed the Law of Optics should follow the General Theory of Relativity. But the speed of light in a vacuum is a constant and Newtonian Mechanics also note that an observer's speed is irrelevant.
- If the above diagram could be reproduced in real life, a case for an unlimited energy generator could be established. Or one where information could be passed around until it is being sent faster than light.
- If two metal bars of the same lengths as the two lines be placed in such a position, then withholding the orbital one from descending, will re-alter the warped space field.
- In fact, this is not dissimilar to a Penrose Stairs illustration.
- A force that can bend space-time but not an electromagnetic field is unlikely in today's understandings.
- Newton's 3rd Law and Thermodynamic principles predict another force is required to be represented before we can conclude that a bending of space is happening.
- Space and time are interlinked. Time would be warped as well, but an observer could relay to another observer the same information as an observer caught up in the warped space-time.
- With variances in load, particle physics, entropy and things like asteroid impacts increasing the Earth's mass as well as technical variances to Earth's volume, the drag of the moon, changes to the velocity of rotation, orbit and perhaps more, you would expect such a mechanism of force to produce mind-altering visual and sensational effects around the surface of the Earth and orbital trajectories, whereas we are quite regular in terms of adding a very short and precise amount of time every four years to exactly maintain an interpreted yearly orbit around the Sun.
- There is no representation of Gravity like this in particle physics.
- The Theory of a warped space around the object is more likely related to the outside edge of the Universe itself, whereas intangible boundary lines in immeasurable number are set with the universe on one side and the chance of nothing being 100% on the other side, but these lines cross each other as the boundary of the Universe is convexed, thereby deleting infinity from the outside of the universe.
- Either Einstein's principle / theory has to be amended, or other forces or perhaps particles need to be discovered.
- Perhaps both are necessary, however, I will try and simplify the understanding of Einstein's General Theory of Relativity, which perhaps can go 'unamended'.
- If, when Einstein said that Relativity is that "nothing can ever truly be at rest and nothing can fully be in motion", that he may have only been referring to General Relativity, then we can say something different about Special Relativity.
- To my mind Special Relativity is whereby a newly created object must be allowed a unit of time to grow or expand under its own exertions.
- And in proving this, we could be able to state that any new particles to be discovered can only exist as to force orbits instead of surface-to-surface gravity events, then Gravitons can be ruled out, but perhaps superseded with Orbitons, per say, should they exist.
- The supposed 'warping' seems to represent old age or maturity in the human brain.

- And with two vectors possible if two gravities are in operation, then it is possible for two Higgs Fields as well as two Orbiton Fields to be present around an object, thereby explaining the data received pending tests of warped space as well as atomic clock amendments in orbits.
- Particles or bosons with their own fields, such as the Higgs Field, rely on the Field to act as Gravity to assist with repositioning or stabilizing other particles or material. With up to two Higgs Fields and two Orbiton Fields possible around an object with two descents possible, such as a black hole, you will have a tremendous amount of stabilizing such as would be needed to stretch an object into a black hole should it be in a gimble locked tumble as it fell into it in a stringy mess.
- Whilst we are all made up of the same matter such as quarks and electrons, we need to reference the Higgs Boson as a bond. And as such, an Orbiton Boson, if one can be found, as a conduit. i.e. we need the stuff holding these foundational components together. We can thereby say that any material or particle not identifying as a bond or conduit, can have gravity.

Hypothesis

Absorbing the true functions of $E=mc^2$ as well as the directive that no object can truly be at rest nor truly unrested.
The force of gravity has yet to be fully explained without doubt, as the current explanation is that a gravitational field will bend space around the object, as referenced via complex atomic clock amendments to satellites in sat-nav deployment. I propose an alternative explanation on the basis that a tunnel dug through the Earth will not be any different in length to one hypothetical parallel line drawn in space through the gravitational field in space adjoining the Earth.

Executive Summary

Gravity is in repose to Reality. Reality propagates from the geocentric core of an object and would run wild if it was not for the gravity of the object pressing back against it at the surface. Similarly, gravity would force an object to disappear if the reality at the core wasn't pressing outwards against it. Should a football suddenly possess intense gravity it will not become deflated because of the gravity hunkering down on it, nor the warped space-time field and entropy of the air pressure in it make it lose air.
Reality and gravity are back and forth measures. Nothing warps. Space and Time are separate fields and only merge within an object from the surface downwards and inwards when these two measures are correcting. A space-time field only occurs within an object when leagues of potential energy assemble to correct hierarchy or entanglements that have impacted energy conservation. Hierarchy of potential energy-gravity (space field), and overpowering entanglements-reality (or time field).
Objects in the third dimension have gravity unless they identify as a bond or a conduit. A Higgs boson is a bond as well as some other particles which are also conduits and therefore don't have gravity, but have fields associated with them instead. A sub-atomic particle will have gravity as a value unless it has its own field and can be said to be either an object or a bond/conduit. Also, gravity will be ripped away completely from an object should it be within the event of a systematic non-entropy motion energy displacement, from potential energy to energy of a larger object, such as a planet.
At other times, waves may be ripped when the displacement force of potential energy to energy does not cause a full gravity transfer.

Synopsis of Relativity

To begin with, we need to understand that this formula is a progression from the usual formulas we see in Mathematics and Physics, such as;

$F=M \times A$ (force equals mass times acceleration)

To see how Einstein came up with this formula we need to first look at the Universe as containing two forces only. In effect, removing all sight and sound of Energy, and seeing the Universe happening without it.

To try and envisage this, you can argue that Heat does not fall under Gravity. Sound waves do not fall down because of Gravity and electric currents do not slow down or travel to Earth, without being earthed.

So, if you can imagine that in a Universe with no energy, but still possessing forces, that two forces can make objects move, the same as in this one where energy exists and makes things move.

And it is simply this, that two Universes can be placed side by side to determine what the differences are. A bit like a spot the difference puzzle.

Einstein determined that in both, and when looking at them side by side, that;

"Nothing can ever *truly* be fully in motion or fully at rest." General Relativity

So, now that you can see that with reference to momentum and inertia, and the fact that everything in the Universe is moving already, that you cannot just sit still, because you are on a planet that is travelling fast, and you are in a galaxy that is rotating very fast, which itself is moving through space very quickly.

And also, that even light waves cannot be fully in motion either. They are always just the slightest bit rested. There is always a value for inertia in objects, even light beams.

And that because this law will be the same in a Universe without Energy, but just forces moving things around, you can sum up that Energy is the only thing missing in that relative universe to compare it to ours, and in this universe to value energy, you only need a combination of Mass and the squared value of Light speed to determine the amount or value in any localized or microscopic system of events. Because those things are the only things that would relate to its value. These are events which are going on with larger systematic things around them which they are part of. Your leg twitching is a microscopic system compared to your whole body running down the street to the tram if both things are happening at the same time.

So we can say that Energy equals Mass times Light speed squared in localized events because nothing can ever be truly fully in motion or at rest.

Squaring light speed will delete light speed from the parameters (so you do not have to times 180,000 miles a second together), but enable any speed up to light speed to be achievable at a fully in motion event with no inertia, but adding an equals sign before the mass, adds a degree of inertia to the speed determined by what you are measuring, because in this universe, nothing can be fully in motion or at rest, or travel faster than light speed. So the calculation thus far will enable the speed of anything to be possible at anything up to light speed, in order that you can measure the determined speed with no energy in it (i.e. two forms of motion that is; in inertial motion, which is to avoid the auxiliary fields in Maxwell's equations, i.e. a bounce or drop via Gravity as in the Painter on the Roof scenario) and times it by the mass for the energy prescribed to the object. You will just need your own table or scientific unit to calibrate to.

And what about macroscopic systems now, or ones that have nothing larger happening around them, i.e. what if I detached my leg and reanimated it with electricity?

Well, you can take the same spot the difference pictures of the universe and this time, there will be a difference.

In the General Relativity example, you can see that Einstein noted there isn't any difference. And that things would move about as they do now. The fact that forces and not energy is moving them about, doesn't matter because we can catapult things as well as give

them engines and manifolds.

But in Systematic terms, if we grew a plant from a seed, then time would not exist in the usual one thing before another one kind of way, but would dilate and relate to the outcome. The two forces explained in Maxwell's equations, would be bound charges macroscopically despite the non-permittivity of the earth's atmosphere and mass, as such as they are in space, and the event occurring not around them, but through the middle of them would expand time like a throbbing effect within the seed until the plant became fully grown, pretty much like it would just throb about into existence with the bound charges separating growth or retention of energy from the mass for each forces to forces conclusion of each event.

So, in systematic terms, and as well if you electrocuted a severed leg, we need time squared, and I suggest two halves of one second, to combine with mass to produce an effect that we can see to record as having energy.

So, in terms of Special Relativity, Energy equals Mass times Time squared, or it equals mass times two halves of one second multiplied together.

Note that before Einstein, we all saw energy and mass, speed, and time as one blob of a function. We could not envisage slow motion as cameras present to us today. We could not see plants and vines growing around and what happens in time delayed photography. To people back then, it was all just a blur.

But to completely unblur it from your mind, you need to understand the definition of Special Relativity that was never forthcoming from Einstein.

What he should have said in respect to Special Relativity is that;

"Everything needs a unit of time to grow or retain energy under its own exertions." Whereas 'grow' refers to both the retention of potential energy under thermodynamic principles and the use of energy it has or been given to form a reaction or especially a chemical reaction.

In summary;

Two side by side Universes, one without Energy and one with.

- In both, motion happens to the same doctrine

"Nothing can ever truly be fully in motion or at rest." General Relativity.

- And in the one with energy but not the other, growth or thermodynamics need time to connect to mass.

"Everything needs a unit of time to grow or retain energy under its own exertions." Special Relativity.

So, it is perhaps possible now, if it wasn't before, to understand that the word 'Relativity' is asking you to compare a Universe that works with no energy in it, to this one that has energy.

Which is what Einstein loved to do. He loved to sit in his study and put this Universe side by side with one without energy to see the differences or what would be or appear to be, the very same. We know this because Doctors have studied his brain post mortem and deduced findings that he had more amplitude to note things and their differences. So he would have been good at spot the difference puzzles more than anything else.

In our Universe we have cars with engines. In that one, they have to use catapults to move cars, etc.

If you want or need to expand this thinking further, then add to it the following facts:

1. Gravity is in repose to Reality. Gravity is stopping Reality running wild. If the Earth, for instance, did not have Gravity, then the reality of the Earth would run wild. And Gravity is also trying to make things simply disappear, but Reality is preventing too much Gravity from forcing the object to disappear.
2. The Time Field is attached to the Reality pressing out from an object keeping it anchored in existence to Time.
3. The Space Field is attached to the Gravity compressing back against the Reality of an object keeping it anchored to Space.

When these back and forth measures are overpowering entanglements or displacing the return to potential energy from energy used up in growth or transfer, then a temporary space-time field can be said to exist within the object, from the surface to the core. Because ultimately, energy is conserved in this Universe, as well as it would be if it appeared suddenly in the Universe we envisage under Relativity.

The merged space-time field as we have traditionally envisaged, is a false belief. It can only occur temporarily as just described. And in the usual sense, there are two separate fields of space and time.

When things are going right in space, an object can find an exact 50 to 50 per cent chance. A bit like when you play with the clutch in a car. You can find where the exact 50 to 50 chance of speeding or slowing can occur, and it is simply the reality that this chance loves to sit exactly or precisely at 50 to 50 and not 49.9 per cent to 50.1 per cent that allows entanglements to occur. But this is when nothing is happening to go to either. So a planet may be 50 to 50 to do one thing or another, but do neither. This is when it locks onto reality and the field of time to keep it going. Things are too mundane to do either one 50 per cent thing chance or the other.

And gravity can be said to be the displacement of void space locked out of the area the planet possesses. Like it squeezed the void space out, which is trying to return there. But while it is moving with energy attached, it will use Gravity not to just make things fall into it, but to lock it to its position in space, so that shoving it will become harder, like moving an empty trash bin or a full one. So if the Earth had no Gravity, it would be easy to move like an empty trash bin.

When it comes to looking at both aspects of relativity and reality, we can simplify reality into becoming both aspects of relativity without anything being placed too heavily to one side or both.

In order to determine a position for reading, rather than forever encountering superposition's, we can say that Gravity=Relativity squared, or $G=Rel^2$. Whereby Rel^2 is the systematic multiplication of both aspects of relativity.

Might one say that to square the constant C, in both cases you would argue that two of the same things can be multiplied systematically, i.e., $100\times100=100^2$ or that maybe also two individual unentangleable things of similar nature could be multiplied together?

As an example. You wouldn't times' the speed of a car at 30 mph with the speed of another car at 45 mph, for a squared answer. x^2

But valuing in abstract the speed of the eagle following a 45mph car currently 10 m behind it (x), may be factored against the speed of a pigeon 10 m behind a 30 mph car (x) if they both must reach their cars in precisely 60 seconds time-x^2.

(Eagle @ 10m to 45mph car) (Pigeon @ 10m to 30mph car) =60 seconds (relative to mass).
Either multiplied or squared

You would need a combining integer of course to finish expanding the calculus, however…

E would still equal mc^2 in both aspects of relativity.

Now, going back to the first statement that this formula is a progression from general academic formula, there is something we can say for certain about formulas when using the equals sign. You may wonder what the two horizontal parallel lines stand for, and as the Scientific World has proven over millions of times in separate events and calculations, including both Einstein's $E=mc^2$ versions of Relativity, the description of the two lines can be made as follows to further your own understanding of this natural progression, or space to imagine the consequences of formulas that add up, before you assign values to the factors.

As such then, the first horizontal line refers to 'Infinity.'

And the horizontal line beneath that refers to 'The Chance of Anything.'

In effect having infinity placed over unspecified probability in its own balancing formula (=).

Theorem

Whilst remembering Archimedes shrieking "Eureka!" when determining his Principle, for a moment, I will try to relatively describe or put forward all aspects of Physics as representations of their own individual fields. I will suppose for a moment that Energy is a field, Mass is a field, Time is a field, alongside Space which is a field-regardless of any mass occupying space. Therefore, where there is a planet, such as Earth, the mass 'field' of Earth is overlapping the field of space.

Suppose a field in such terms be like a square metre of cloth or fabric. You could have different colours of cloth the same size representing each field. Except rather than layer each swatch on top of each other to represent the fields merging, you would need to interweave the thread without generating more area.

This is different to when two or more forces coincide or overlap, where symmetry and mass: no mass balance or dissipation occurs. Mass: no mass dissipation occurs when two materials acting in symmetry because of overlapping forces cannot become entangled with each other. What happens seems to be apart from the activity of the merging forces carrying the materials and seems to create a result based on the bonds of the material and core pressure finding their own balance rather than a hierarchy of reaction.

So, in order to say it clearly; gravity is the result of a hierarchy event, where fields are tightly interweaving, or more simply, overlapping. And there is a sustainable core pressure in the geocentric location, i.e. planet's core. And as there are no forces acting on the mass nor space, then a mass: no mass dissipation cannot occur, so Gravity is formed around the mass instead, i.e. the equivalent energy out is recorded as Gravity surrounding the only material with a core pressure.

I am reminded of an experiment where two elements, gold and silver, were clamped together for a number of decades, both sides completely flat when they were pressed, to find that some of the gold element could then be seen bonded within the silver and vice versa so that silver could be seen amongst the gold-ref. Jim Clark, Chemistry, 1991 in Truro.

If they were just touching, you would not expect any change, but the force of the compression caused a re-balance to occur, and hierarchy shifted atoms between elements. I would surmise that if, albeit, in contact with each other but no force pushing them together were experimented, you would never see such a change as described, but that the merest force pushing them together would eventually (as Event concluded) (General Relativity-Speed), produce such a change and that the greater the force, the sooner (at degree of conclusion) this would happen (Special Relativity-Time).

I conclude for the most part so far then that forces overlapping will enact some form of balance, that fields overlapping will decree hierarchy. And results can be expected to take the form of such a belief, as the driving factor. In the example above, the met forces of the atomic bonding succumbing to the compression, balanced out to offset the variance in the reduced activity (less space to move freely) of the Gold and Silver atoms. (Reduced activity being the kinetic property of the associated electrons and protons and nuclei).

The hierarchy result is that if they lie adjacent only, gold stays as gold and silver stays as silver. Electrons may swap as they do, but

not to the extent that the entire atom changes place as it did here, whereby the hierarchy result when under compression, was a movement of entire atoms of elements from one side to the other.

Perhaps in space this result would be harder to produce, but at the back of a lab in the early twentieth century, some building work next door and perhaps pneumatic drilling in the street nearby would have trembled the compressed elements and rigorously made space free up where the forces made them go.

However, I also note two things. If we stood still on Earth under this supposed compressive force, no matter how compressive, the atoms of our feet would not swap with atoms of the Earth. But sideways clamped as in this experiment, it would be possible. Also, as a way of offsetting the logic, if we laid a set of electronic scales upside down, could we weigh the Earth?

This may explain why gravity is such a weak force. Other forces abound from energy transference (thermodynamics and Newton's 3rd Law), and results that occur from force interaction. Gravity does not arise from energy transference; it is more a property of an object not at rest. And it appears to oppose Reality in that a core pressure will force the object or planet to remain in Reality, whereby Gravity is trying to make it do the opposite, allowing Entropy to work at localized levels as well as systematic energy conservation levels (microscopic as well as macroscopic levels).

Radiation depends on how much energy is going in and therefore reactions yielding it come out full of energy. Weather on Earth and radiation in stars, do have tremendous effects without Gravity playing a part. Results from hierarchy, or simply overlapping fields, could be as little as, well, the materials just stay as they are. It depends how many different fields and how far they exist in extent or through each other. The bigger the area of the interfered with part of one field, the longer a final result takes to happen in one event until a point where, in ratio, the more fields which are of less distance across are involved, then a ramping up of activity will hasten time to make a result happen sooner (General Relativity-Speed). Smaller more concentrated fields, overlapping into the mix, will catalyze a result (Special Relativity-Time), and squaring these two values of relativity will produce a value for gravity. $G=Rel^2$

It is like it cannot quite get to the end of its' own problem. If you add more mass, you get more gravity. Or less if just the volume increases. If you added less space to the Universe, a more concentrated but just as strong gravity, whereby it had a tighter grip of you, but you fell at the same rate, would occur.

Imagine a sense of extreme difficulty moving arms and legs on Earth, not that gravity was pulling your arms or legs down any greater, but that it seemed to take longer to move, and a struggle existed outside the area of your limbs, but we fell at the same rate and speed we do now. Things dropped fell at the same rate but moving them about was extremely hard. Muscles, energy transfer, weather, all remained the same, but where no force-to-force action, rebound or recoil were present, moving off of one's own 'steam' was different to what we experience now or just took longer.

You cannot quite find a stable point where the fields can stop overlapping. Mass and space are too different in nature; however, the time field can move about them as if they were no different, whereas the energy fields are almost as free but displace because of potential energy and energy subject to conservation, i.e. the displacement of the two. It is like life and death (success or failure) in energy experiments that start and finish with what comes out is what you put in. Like trying to balance two magnets so that they are both attracting and recoiling at a certain ratio. To succeed, you would have to put only as much effort into finding the balance as you would get energy out of having the balance as a benefit, or you would fail. The perfect complement to Newtonian Physics.

However, if you can please sense that objects balance Energy throughout their volume and mass and that density becomes more a value of conductivity of this issue. In this perception, bonds and wavelengths are almost irrelevant. Why is this? I suggest that the momentum to inertia ratio of the object, which is never fully at rest, needs to be 60:40 to achieve full potential energy load. Which is its ratio when at rest, so objects need Gravity to provide an anchor to space.

Imagine a yacht at sea with waves amplifying its motion in the wavelength so that a sea sickness occurs for a passenger. Whereas,

with a heavy anchor laid on the sea bed, the yacht will overpower the worst peaks in this amplification, so that a steady rolling will occur with the waves without amplification to the motion. Sometimes two anchors can be laid, one at each end of the ship, to steady the troughs as well to prevent submerging. And I suggest that Gravity acts the same, albeit in a vacuum rather than an ocean. With pressure arising from the core rather than from superficial waves.

A pressurized core of a planet without Gravity will be shook and shaken without it, just by the virtue of balancing Energy from the surface of one side to the other. So if two of the same asteroid that wiped out the dinosaurs hit on different sides of the Earth at the same time; a tremble would occur, and waves would pass around the Earth's surface as well as through it, however, the ground would not be split, even as the magnitude of the Earth rolling in waves came to a peak and then a halt. And secondly, for a moon to form, the Earth would have received the asteroid strike and then had more Gravity than it does now, which was too much for its location to the Sun, so the Sun would have ripped a Gravity wave from the Earth in a location where things started to fall upwards and into Space, although the only material appropriate for this lift into space was basalt, the Moon's material. Note that this wave could only be sustained for this period of a Moon to form because it was strong enough to yield a flow of mass caught in the wave. A usual Gravitational wave in Space occurs sharp and fast but has no material shed from the losing object, because we generally look at stars and black holes. And are potentially weaker than moon forming waves which can also allow for accretion discs.

That is then going as deep into Astronomical and Particle Mechanics as I would like to take it thus far. Coming back out to single personal or orbit size objects, I will hasten to get to the root of gravity.

The Vacuum Argument to Archimedes Principle

I will not address anti-matter or dark matter at this stage; however, you may wish to imagine what such material (or anti-material) could or would do if caught up in a gravitational wave. Instead please look at the imagining of what would happen if Archimedes could place a ball inside a confined vacuum instead of a confined liquid, which has always been near the center of my thinking.

And it is simply this.

The result would be that the ball stays where it was placed (or formed), and that gravity would occur around it. A mirror representation of the displacement seen in a liquid mass being displaced.

To go further would be to start stretching towards discussions around the big bang theory.

Although contrite so far, I have leaned into the depths of particle mechanics-events that are going to happen at small sizes and propped myself against the big bang theory-events which happened in the past at biblical sizes.

Which is far enough to begin to investigate reforming, with perhaps a result of a true confirmation of (a) the Standard Model (with or without missing pieces-a missing boson and a governing boson field), or (b) a re-understanding of $E=mc^2$, being just Special Relativity, or both (a) and (b).

I do not think either can or should be totally re-written from what they are now. They are both too complete, or I would not have been able to found my own theories or understand true experimental results in science over the last ten years. Some more complete definition is, however, without doubt still required.

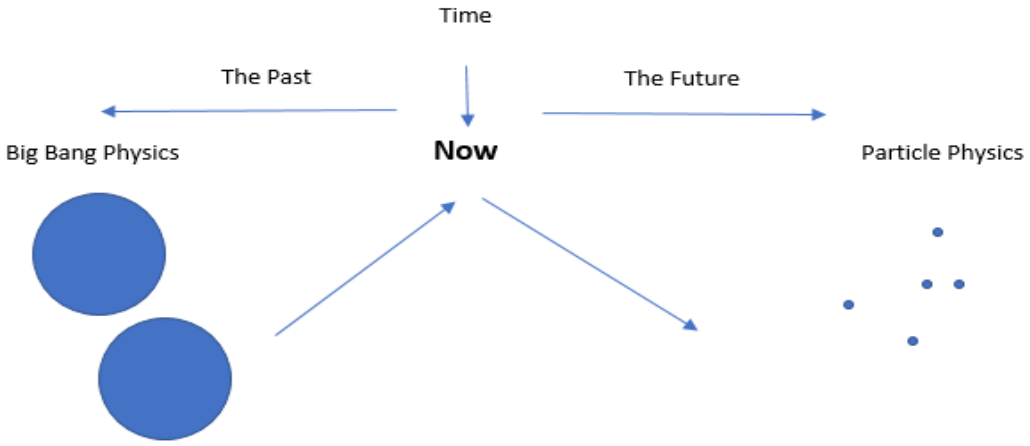

FIG.2. **Seeing results happen, then recording them as concluded and seeing results about to happen and recording what happens as they do (or just into the future-superposition or not?).**

Theory and Investigation

Just to note, the above diagram is not a social commentary on today's scientific community or its' practices. Both are equally important to study and useful for human advancement in science.

As I stated gravity is a product of a 'result about to happen', it must be the case that particle physics would not be possible without it. Particle physics is the understanding of what is about to happen. Gravity is in spirit bereft of enough importance for it.

I must presume the fact particles have gravity, including nuclei and electrons, but this gravity is instantly wiped off by the Earth or nearby object and it may be part of the same way as which gravitational waves are ripped from black holes or stars, i.e. they should have gravity, but they have had all their gravity ripped away in one wave, or are subject to the constant tearing away of their gravity whilst in the Gravity Well of a planet such the size of Earth. Even a spacecraft in deep space may do the same if you are measuring particle gravity on-board the spacecraft. It is torn away again as it restocks, and upsets the settlement force of the dominant gravity fed object.

Imagine two astronauts in space. They each have gravity and can move towards things or things move toward them equally. One of them manages to grab and hold onto several objects. The gravity centre is still in the same place within him himself rather than the new overall geocentric area of the things he is holding onto as three dimensionally they are all still separate objects, but the objects he is holding onto no longer have their own gravity but are locked to him, the astronaut.

Depending on how much either heat or faster motion this produced, the other astronaut will now no longer experience the effect of the laden astronaut moving to him, but will either orbit the laden astronaut or fall directly into him, without spinning.

So, two equally sized astronauts can move back and forth to each other under Gravity. But as one becomes laden with other objects, then the other astronaut may start to orbit the other or fall towards him harder. But the laden astronaut will not be moved by the other. He will rather rip Gravity from the unladen one as either a wave or completely. And the objects he is holding will have lost their Gravitational pulling capacity to the astronaut. I believe the same is true of particles in that the Earth or atmosphere is literally ripping their Gravity away making them freer floating than they would be in space. Gravity essentially docks an object to space making it less free floating in space, whereas where such things as planets rip Gravity from smaller objects in their vicinity which are then free of their own gravity now, are no longer locked to their location in space whilst still moving, but are said to be more free floating. The experiments taking place around the world to discover gravitational waves may just be experiencing gravity being ripped from Earth

rather than waves coming and hitting us.

Proposed Revision to the Standard Model and Special Relativity

With reference to the Standard Model, it is necessary to identify which of these particles are three dimensional and which are conduits or bonds. We know that the Higgs Boson is a bond and as such it does not have gravity, but has its own field as a replacement property for not possessing gravity. So there must be one other, in all likelihood an Orbiton Field which acts like a conduit and too has its own field, because the particle itself does not have gravity. Also Maxwell's equations require two auxiliaries (non-powered) fields, and these are the two he references to. The Higgs Boson preventing inefficient separations and the Orbiton Boson preventing inefficient collisions. All sub-atomic particles are responsible for stabilizing, positioning, and repositioning other forms of matter or groups of atoms into their correct position in the localized part of the universe, and those with their own fields do not have gravity, which if they did, would be able to stabilize and position matter on their own, however, they use fields instead of Gravity, owing to their smaller than normal size. Now looking at quarks and muons, it is the size that these 'objects' possess which denotes their value of gravity. The bigger they are, the more space that is displaced if one unit of compression on the outside can equal one unit of pressure on the inside. Literally how much volume they take up when stable at one pressure to one compression. You won't be able to measure this as such because the Earth will rip away all their gravity as it does to anything that can fall into it. If something can't fall into the gravity of another thing, then all its gravity won't be shed.

And it must also be necessary to realise this. General relativity can be defined as 'No object can ever be truly fully at rest'. It is always moving slightly in regards to the Universe and being flung around. Bear in mind only forces carrying it or resting it, i.e. relatively, if the Universe had no energy, then the same would still be true. And nothing can be fully in motion either, it must still possess some at rest percentage, even light beams. This is General Relativity. Even in a Universe with no energy and only forces acting on things, motion would still appear the same. Nothing fully at rest or fully in motion.

However, we do have energy, so something more definitive needs to be said for Special Relativity. In that, every new object or material, or one returning to its original state and configuration needs to allow a unit of time to grow or retain energy before transference under its own exertions. Because without energy, it would not need time to grow under its own exertions. Remember, relativity relates to imagining the universe with no energy (only two forces) and then seeing the Universe with energy and what's the difference. Only this, in fact. Everything needs a unit of time to grow under its own exertions. And I would suggest two halves of 1 second, because somehow Einstein worked time to be squared, which is true, but we don't know why.

Relativity is seeing a parallel Universe with no energy, only two forces in it, and seeing the difference that:

A) In motion, nothing changes. Nothing can be ever fully in motion or fully at rest.
B) In time, everything needs a personal unit of time, 2 halves of 1 standard unit of time multiplied together, to grow under its own exertions.

The Standard Model needs to identify sub-atomic particles that have gravity or not. If it has its own field, it is a bond or conduit and does not have gravity. A Higgs Boson also has a Higgs field, ergo, no gravity. And one other, an Orbiton Field which prevents inefficient collisions as a conduit, must be found to complete the Model and then this can be said to be done.

I may be sceptical of the way the LHC (large hadron collider) is positioned as the rotation of the Earth does not seem to account much for the way results are measured. If the collision modules could be mobile and dragged around the collider to different positions, North, and especially West, or at least at different degrees on the circular LHC, then you would see different results.

Dark Energy, Entropy and Gravity

Let's say hypothetically a Black Hole existed where the Earth is now and was of the same surface temperature. The surface of the Black Hole would not get warmer because of the Sun. The mass of the photons would convert to Hawking's radiation and the energy of the sunlight would increase Gravity, but as the weak force has overtaken the nuclear force, this would only increase gravity so far as if it could register enough kinetic energy to propel the galaxy faster, or return the light waves to the Sun before they could transfer heat, and remain slower than any Solar System orbit may take it. Instead, the gravity increases to the point where it almost gets bigger in value, but acts like there is less space in the Universe and makes it stiffer for things to move, creating its Entropy directly whilst the event horizon remains the same. Like an effect from trying to top up an already fully charged battery, not via charging cable, but from wave-length particles when not directly in contact.

In terms of Entropy, macroscopic mechanics are maintained by the stiffening of things in motion and microscopically; a repelling of Force under Newton's 3rd Law will occur whereby once a twin action has occurred at the same time as a dead heat, or photo finish, in creation of the same single reaction and to prevent a double momentum transferal event, will then produce displaced energy acting like an anti-gravity wave (Dark Energy). And as far as information goes, the standard material as such to use for information should be a sound wave. You can imagine most often, a sound waves sent into a black hole will bounce out randomly or be shred, however, if you got it right, a sound wave could indeed hit the right tangible parts to it so that a continuing lock of that information be withheld within the properties of it, rather than allow for the wave to continue. Like being trapped in a pinball machine without going down the hole.

Back to the Black Hole being hypothetically where the Earth is, the Sun can't make it hotter because the Gravity is preventing any atomic movement or change of state in the Black Hole. But it can't change state from a solid to liquid anyway, or get any hotter than it is (whatever it's made up of), so the Sun's heat to it stays locked in potential energy, released by increasing the gravity, and will transfer to other things as heat around the Black Hole, or ideally form Hawking's radiation, which then in turn lowers the increased gravity, which may intermediately increase Orbit potential, depending on the balance of the heat to kinetic energy ratios of the black hole and anything around it. The Heat to Kinetic energy ratio of a black hole, which isn't really moving may be incredibly high, say 10000:1, but any object around it, will have a ratio of heat energy to motion energy closer to 1 to 1.

And an orbit will ensue, at any point within the Gravity well of it, i.e. galaxy wide, unless it has ripped a wave off of it big enough to equate to literally all of the gravity of the said object. That object will then descend rapidly into it, certainly without spinning and possibly instead with intense stretching. But the huge anti-gravity wave that must be constantly pumping from the core of the black hole will separate any wavelengths of magnetic or electronic proportions so much that motion towards the black hole becomes unviable unless already directed straight at it, where the wavelength spacing of this reconfigures to a straight line in to it (where the object will undergo complete stretching in one line). Which is why galaxies being disk shaped. Starlight is stretched into them which after millennia begin to become stretched at the point they leave the star. A star's light stretching one way into a black hole but carrying on regularly about in other vectors, will force a change of vector or orbit so that a flattened disk galaxy is formed. So a thousand years of a star a thousand light years from a black hole with its light shining right at it, the star light will be being pulled in to the Black Hole's plane of preference, i.e. all such stars becoming orbital on a flat plane.

Try and imagine for yourself the following and tweak the image I am trying to represent. At the point where the Sun is located in the Milky Way galaxy, about half way in, we can see roughly 15-20% of the night sky is made up of stars. And they are not all directly shining at us, because we know about recurrence periods. Imagine at the location of the Black Hole in the middle of the Milky Way, you will see a panorama of white light of all the stars in the galaxy pointing directly at you, and no darkness of night. Because there

is no blackness of the night sky free of starlight from the tens of billions of stars we cannot see but exist much closer to it, except for maybe in the northern and southern extremes, where stars do not appear, i.e. away from the overall disk. So without a day or a night, the middle of the sky at a black hole is daylight from a cumulative starlight without a Sun being nearby. But that in the Northern and Southern extremes of sky, it appears to be night-time in two large circles, one at each end.

And at larger scales than particles or atoms, if a black hole ripped enough of a gravity wave away from a Neutron star, the Neutron star may then fall right into it, when it was previously just orbiting.

And that changing your perspective of it, a galaxy hub black hole has formed stars within the galaxy itself to create star light for it to feed on. As such keeping other black holes at bay, so that the more stars within the galaxy, the less chance of a black hole encounter is possible., i.e. two super-massive black holes will only orbit each other once free of a galaxy, or if the galaxy's stars are fought off each other into pre-mature supernovas first. Maybe they were too small to form big enough galaxies to last long enough without a fight to start with, but what stars did exist in their galaxies were either forced into supernova by the other one fighting it and then devoured by its own and vice versa, until they are too big to become galaxies again. They were incredibly small with minimal numbers of stars in their galaxies to begin with, which went supernova before their time, owing to the fight, and then the black holes became super-massive incredibly quickly as their dead stars' material was consumed by them.

The thought of a lonely black hole waiting for its galaxy to expire and then engulfs all its dead stars' material from regular supernova, before right at the last, as this galaxy's black hole watched all its galaxy stars die out, and thinking that was it now, suddenly, and unexpectedly encounters another lonely black hole that was waiting in the wings and functioned as a covert entity forcing it to eat its supernovaed stars, meet for the first and final time, and they begin again a facing duel that lasts another millions of years. Epic Macroscopic. Shakespeare's Hamlet. And the Special Theory of Relativity.

We could or should perhaps then, throw more weight behind using Gravity more in the understanding of the Big Bang and the physics involved. Perhaps agreeing an abstract imaginary Gravity Well that existed, and still does.

The well itself is massless but huge and at rest, whilst the 'Gravity' is denser than black hole mass and is moving inside the well at light speed. As things formed, they went into the Well to collect enough Gravity to get to their final states and may have shed off or lost a bit on the way to their final positions, the bits shed off then free of their parent go around independently in waves (I'm half joking).

Suppose the Universe is shaped like the inside of a basketball. The skin of the ball replaced by a force-field of tension and compression. Or like a globular air bubble trapped underwater, but unaffected by the high pressure, i.e. a vacuum bubble. What may be hard to imagine is that normally you would see the outside of the basketball as a concave object that forms around to its starting point. The Universe has the same dimensions on the inside, but the outside is one convex area, of multiple lines going off to infinity, forming a hollow ball in the middle. So imagine pressing two bubble wrap bubbles together one on top the other and what the space and skin of the space would look like just after they both popped.

As stated, microscopic actions are resisting Newton's 3rd Law to enable a stiffening of momentum transfer. This is producing anti-gravity waves known as Dark Energy. Which is expanding the space within the Universe at varying amounts, except that the distance covered by the expanded space is the same. Imagine splitting the Solar System into two halves down the middle of the Sun. One half may have a trillion cubic astronomical units of space within it, whilst the other only a hundred thousand million. But the distances are all the same.

When this matter is settled, i.e. when the expansion of localized space occurs, it does it faster than particles can repel or attract under their electromagnetic charges. A bit like a tablecloth ripped from a 5-course set meal. Or an airbag going off in a car, when nothing

else has time to move before it has expanded. Once the brief expansion stops, the materials nearby settle and appear to move slightly closer as their momentum to attraction or repulsion vectors re-realise their new surroundings. Imagine the solar system in operation was sat on a tablecloth whilst it was moving, and the tablecloth ripped out. The solar system wouldn't mind, but would just carry on after a brief settlement.

This is something neither Albert Einstein (1879-1955) nor Niels Bohr (1885-1962) could conceive, but they both maintained the Universe was expanding and contracting, with no offering of an explanation.

So an anti-gravity wave known as Dark Energy is produced, and stops. In the wake of it, objects then become taken further away, even if they are attracted under electromagnetic fields. Upon settlement, or recovery of potential energy, they reroute to their original vectors, so expanding, then going back to where they were, i.e. contracting, but ultimately, not moved. However, expanded space with no variation on plotting within it, has mathematically occurred. Vacuum space can't be made denser, but can be expanded as in the above example.

It may be shown that expanded space forces wavelengths to get wider, and standard space lets them go back to their original spacing. Imagine iron filings on paper. Take the same strength magnet to a different point within Dark Energy in Space, and the lines will be further apart, but the magnet still remains as strong. The same must be true of Gravitational lensing. It should be Dark Energy lensing, or Anti-Gravity lensing. The intense Gravity will be holding the potential energy of anything closer than this horizon as a bank to increase the Gravity of the Black Hole until it can be lost to something else, or increase speed of Orbit. This point where lensing occurs is too perfect an area for this Dark Energy anti-gravity wave to not take place. It is the hardening of entropy whereby fluke mechanics accidently make up perfectly for the extra amount of energy needed for a repeat of equal and opposite force mechanics, but Entropy does it for the objects as well at the same time. So an anti-gravity waves or Dark Energy is repelled from the sustaining object. It is neither chaotic nor random, but a general fluke because of some mundane entanglement.

Now taking Einstein's warped web diagram we are familiar with; what we need to look at about it is the warping of space in the diagram instead being an inverse compression of the space the mass occupied but squeezed out.

It has squeezed the vacuum of space outwards and is now inversely compressing it away from the surface.

The vacuum of space pressed out by the planet is trying to return to where it was originally, but the planet is in the way.

Compressing the squeezed-out vacuum 'away' (away) from the surface-inversely. We cannot repeat the gold to silver experiment described above if we used one above the other in the flow of Gravity. Gravity cannot add to the compression; else our feet would swap atoms with Earth if we stood still for too long. We can say then that Gravity forms away from the surface and is inverted, or a non-abstract inverse power.

Space is compressed around the extent of the planet bearing in mind just how much of it is displaced, like Archimedes ball in water will exert pressure instead of displacement in a confined space. But note that the expansion of Space owing to Dark Energy does not extend the distance, and compression of it in the way of gravity does not really diminish the distance of two points set in place beforehand either. Because saying it has compressed space is like saying information can be made to travel easier through the compressed space. What you will find is that under this inverse compression, or Gravity, it is much harder for information to be sent and needs to be pushed harder. Because the wavelength spacing is tightened. Long wave transmissions may become short wave ones. And in areas where Dark Energy is located, the opposite will occur and short-wave transmissions will become long wave, without any amplification of frequency.

The definition of Gravity is an inverse compression of vacuum, but held by space via Mass, whereas Dark Energy is the obverse expansion of space via twin force momentum transferral. Gravity being contraction-making wavelength spacing narrower, and Dark Energy being expansion-making wavelength spacing wider. But Gravity tends to be brutally slow and Dark Energy savagely quick.

If you squash a tennis ball inside a full jerry can of water you will see-pressure, not displacement as you will have tightened the cap on it as well. As there is vacuum space rather than water in this confined Universe, we see the opposite-compression around the culprit object, rather than pressure around the extent of the Universe. The property of pressure or compression is 'held' by the displaced 'material' water or vacuum.

Incidentally, if the squashed tennis ball in the jerry can of water sits at the top of the jerry can, the exerted pressure is still the same at any part of the can, the top where the ball is, and the bottom as well as the sides.

The core material of a black hole may weigh millions of tones per cubic cm at 1×gravity on earth, but in space at zero G, will have gravity instead. If you lay a set of scales upside down on the floor, could you weigh the Earth!?

Of course not, but in this example of how gravity is formed, we are only valuing General Relativity. Things at rest are never fully at rest nor are they ever, even at light speed fully in motion. As well as the Archimedes style displacement described, we also need to allot two forces attributable to the interweaving of the fields of Space, Time, Mass, and Energy. Energy being the strength of bonds between mass or atoms, or the 'weak' force. Also, not being at rest, it will have potential energy which counts towards the cumulative tensile strength possessed of all the weak force and countered by Gravity. nb. 2 possible Higgs Fields and a possible partner, 2 Orbit on Fields.

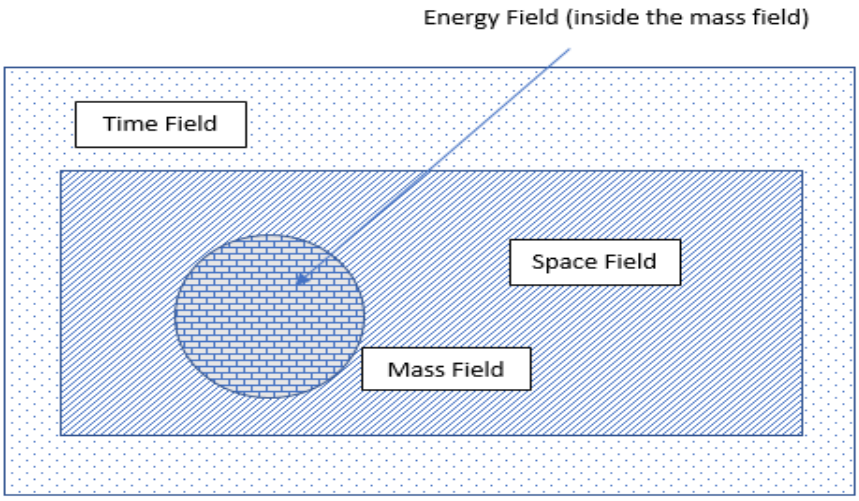

FIG.3. **The Universe derived from a convex surrounding.**

Field Interweaving

Fig. 3 represents the interweaving of Universe fields, although I have only represented three. Be aware I cannot get the hatching to overlap but please presume they will all flow through anything within their limits.

The Mass Field in this case is simply a planet such as Earth, and the combination of these three is enough to induce the Gravity effect as we are concentrating different types of fields inside a cooking pot. The energy field would be the same shape and area as the Earth and takes place as the kinetic energy of its motion which isn't transferred ongoing in its course of rotation and orbit, as well as its potential kinetic energy in all its' weak force, i.e. all and every space between atom to atom bonded on Earth. This potential kinetic energy will induce a Higgs if it gets loose, so can be said to be held back by a stronger or more potent field, in balance with the potency of the Higgs Field and can be said to be an equally potent Orbit on Field.

The 'cooking pot', hence a more potent Higgs Field, is the area limited by the boundary or extent of the smallest field (the Earth).

Time and Space are of equal boundary and extent and have no interacting effect, other than to balance each other 1-part time to 1-

part space.

And remembering anything with mass existing within time and space fields can neither be fully at rest nor completely in motion, the following hypothesis can be a natural continuation to gravity being defined as above.

It is the result of two things happening.

a). The displacement of the vacuum trying to return to where the planet has pressed it out. Because it pressed it out whilst in motion and momentum to inertia ratio and energy balance within the object has still to occur, and Gravity will prevent this feeding back to the originating force or Big Bang. A vacuum of equal compression but less overall Field area (but still interweaved), which can only occur around a three-dimensional object. Allowing for waves to be shed or total transfer of one object's Gravity to another whilst in its Gravity. No diminishing distances and no warping at all. When trouble or persecution comes because of the word, they quickly fall away. The seed falling among the thorns refers to someone who hears the word, but the worries of this life and the deceitfulness of wealth choke the word, making it unfruitful. The Sower, Matthew 13 Verse 21

b). The countering of the tensile strength of the atomic bonds of the mass owing to how much kinetic energy is present in its motion. The more Kinetic Energy it has, then the ratio to that of how strong the bonds are will start to stabilize around a peak stability so as not to outweigh performance or 'strength' overall or deteriorate the bonds in any way, no matter how weak they are. Gravity is always weaker than the weak force. Giving way to a more potent Higgs Field as well as a less potent Orbiton Field or vice versa. Density is not accurate enough. It is more about how hard a Goliath needs to kick it to move it, depending on where about in space it is located, i.e. near the Sun, deep space etc. The same density will still have different gravity if it moves off somewhere else and stays there. - The seed falling on rocky ground refers to someone who hears the word and at once receives it with joy. But since they have no root, they last only a short time. The Sower, Matthew 13, Verse 20.

Anti-Gravity Force

Dependent on how much the mass is moving, i.e. not at rest, and this can include orbit as well as rotation, a proportion of the initial gravity fed downwards will create in redaction, a well of anti-gravity force from the geocentric core. Because the core is pressurized, and this same value pressure will be more concentrated at different times along the time line or as the Time Field moves about it. The Earth's core pressure will sometimes emanate from a small cubic area and sometimes a slightly larger one. This anti-gravity force reinforces the settlement force of the planet and then some. And travels upwards in relation to the time field position where gravity is bias to the space field location. Or to put it simpler, gravity lends itself to space rather than time. This anti-gravity rebound effect is more of a slight uplift lending itself toward the field of time. In effect Gravity was produced because the object was moving following E becoming mass. But because it was not at rest, this anti-gravity redaction is basically closing the loop as time is a constant at the end of the formula. So, in experimental conditions, yes, anti-gravity redaction may not occur, but things are not in rest or fully in motion, so this is like a stabilizer or training wheels for Relativity taking place outside the laboratory.

- Time moves forward, but is 'stationary' in our perspective if we can 'picture' something.
- If something is moving and landing on the Earth, we will be bias to seeing it do this in Space.
- If it did the opposite and we saw it leaving Earth, we would be biased to seeing this happen in Time.
- Anti-Gravity biased to the 'swing' of the Time Field.
- Gravity biased to the 'swing' of the Space Field.

As demonstrated on Earth, we can feel it is easier to jump up than to land, and that landing is more about where we land and our

surroundings, whereas jumping is easier than expected slightly and our senses are attuned to relating it to time, i.e. hang time. Unless as we get older we feel we've lost the knack, or edge. We see it when a rocket leaves for space, we are thinking 'time'. When it comes back, we are looking at a surrounding sense of location, thinking 'space', more than a surrounding sense of time.

Crystals in caves grow upwards by lending the placement of molecules on the upward weak force of anti-gravity to stack and bond layer on layer. You can actually buy kits to grow them at home as well.

The sleep we scrub away from our eyes in the morning is a result of sleeping on our backs, or fairly sideways, which layers the sleep crust upwards as said crystals. Our Eustachian tubes also grow grit like crystals from dirt built up in them and we may feel grit on our back molars from time to time which we think is our teeth breaking apart. Slime moulds found in deep caves are of the same nature; the rock is as our eyeballs and the slime is as per our 'sleep' crystals-being constantly produced and seeming to move, but rather this is a yield of it occurring due to one exceptionally long ongoing event.

All formed by the upward force of time relative anti-gravity. Where we are motionless for enough time to pass the point where we have settled in line with Earth's settlement force and then to reverberate anti-gravity redaction from the Earth's geocentric core throughout our entire mass. Layering any waste product or crystal identifying property to rise to the top as long as we are not moving.

If a rocket moved sideways during lift off, it would require way more energy to take off. But similarly, you may not realise that if it were pushed into place and made to lift off as soon as it stopped, then too, it would require more energy to lift off. The best window of opportunity would be when the mass of the rocket has had time to remain still for the anti-gravity well to overcome its stillness from bottom to top before it takes off, just after the settlement of it has been reached. Bearing in mind, leaving it too long may cause some electron transfer via normal gravity throughout a portion of bonds already overcome by anti-gravity and a reverse reaction will occur during lift. Which makes sense. If it's been stood on the lift-off platform too long, we may start to worry about things breaking off it or material failure under the force of lift from the engines, whereby earlier we may have sensed it would be fine.

An easier way would be to describe 'settlement'. A new house may undergo settlement over time, but this is in relation to the force exerted back on the structure owing to weight and not mass. If we blow bubbles from soap, then slowly, we may see the bubble actually 'settle' in mid-air. This is owing to the weak anti-gravity force passing upwards through it as it forms. Because how else would it settle when not touching the surface of the Earth. The atmosphere doesn't have settlement force; it has a slight uplift if the atmosphere has itself settled to the Earth's surface in that spot.

As such, we may have a fundamental understanding of this gravity to anti-gravity, settlement and their effects way more closely built inside our nature than we realise.

Gravitational Waves

What is troubling is that currently we understand that an equal and opposite reaction to the action of creating a Gravity Wave is not deemed necessary because of the conditions or simply the pre-existence of Gravity. This is fine, but then still incorporating Newtonian Mechanics rather than just discounting his Laws, we need to understand that, equally, creating an anti-gravity wave is just as feasible and this is the clear definition of Dark Energy.

As said earlier, gravity is detectable from the surface and starts to be calculated in a direction away from the geocentric centre or core. But accurately must be seen to accrue at the plottable area between the surface and underside of the surface. The thickness of the surface being the plottable area with the same ratio of 60 per cent momentum to 40 per cent inertia when travelling at one speed as one mass. This may make it easier to distinguish the thresholds required for an orbiting mass of similar nature to shred off waves of gravity from each other.

The counter effect is that the kinetic energies within the mass, i.e. rotation or its orbit around a bigger Star, for instance, will have to

slow without transfer of heat. It must remain at the same temperature.

The gravity it has then just lost in the outgoing wave will be replenished to full by the overabundance of the anti-gravity converting to gravity when it hits the event-free horizon of the surface. Be aware, unlike the fact gravity is produced at the surface after stabilizing in abstract value throughout the mass, the anti-gravity starts at the geocentric core and precipitates through the surface as it climbs and dissipates from there out, i.e. into any atmosphere.

In Science, this may mean that we actually experience less gravity than we should at the surface, because there is always a slight dissipation up from the anti-gravity, weakening or diluting the actual gravity. Which looking further, would help secure it and stop a nearby planet ripping any waves off in the first place.

It would also beat the argument that atomic clocks are required to be altered in sat-navs relevant satellites. At the moment we owe this to the Einstein interpretation I am disagreeing with. At the surface of Earth, our cars have settled onto the Earth and in space, the satellites have not settled with us or in tandem with each other. The Cars have a slight uplift from full Gravity as well from the anti-gravity which doesn't benefit the satellites because they are too far away. Maxwell's equations keep the microscopic electronics in vehicle sat-navs you have in your car and satellites the same, but the bound charge and bound current of the macroscopic equations are far different owing to the effect of Gravity and settlement at the surface and lack of settlement and lack of anti-gravity stabilization in an orbit. They are different dependent on how far away from the surface you are, but will be the same for everything on Earth, but different for satellites which are already inequitable with each other, or in any case they do not travel at 100% perpendicular vectors.

Ergo, the more crystals and sleep we can create every second, the more gravity we can have at full strength. A pointless statement, I know, but really, nature uses this free-flowing energy force as abundantly as it utilizes gravity to drop apple seed from the branch.

Note

In 1986 I went into my back yard, aged 7 and witnessed Halley's Comet travelling across the evening sky to the North. It was about the size of my little finger fingernail if I held my arm out straight and to me looked like it was within our atmosphere, but it was simply amazingly easy to see. On a cloudless sky it seemed to be travelling where the clouds form. What was spectacular being the fact I could see it rotating like the Earth but also rotating a different way like it was tumbling. In my mind, this would set up two gravities from the object, one like the Earth has owing to its ratio of mass to rotation and orbit, which is stable, but a tumbling planetary object may just have a rotating spinning field of Gravity as well and these will converge closer to the surface. I believe some black holes, i.e. ones that form galaxy hubs, have the property of two gravities, one like the heavenly bodies we know, and also one owing to its permanent tumbling state. If it doesn't possess this second gravity state, then it can't be a galaxy hub black hole, which may well be a Neutron Star which has fallen into a z-axis rotation as well as an x-y axis rotation, which is hard to do.

Discussion

- Gravitational waves are pretty obviously found where two supermassive black holes are orbiting each other.
- When this happens, both black holes, regardless of which is superior, will start to rotate on their axis like the Earth.
- This is a vertical 'z' axis centrifugal effect. They should, then, be rotating opposite to the other one.
- If their orbits are considered clockwise, both rotations can't be counter clockwise.
- I would suggest the slower but heavier (not weight or mass but 'load') and therefore 'superior' black hole is rotating clockwise in the same direction as the orbit of each other. The other will be counter clockwise rotating but a bit faster and

this allocation of rotations keeps it back.

- It is not unlike the 'heavier' superior slower black hole is reigning the other in a bit.
- If the distances close, the slower superior one will also start to rotate on its x-y axis.
- If the superior black hole starts to exert a tumbling rotation as well, it will rip a gravitational wave from the other and also sink back to a standard rotation. It may repeat this as often as is necessary.
- The rest of the potential energy it loses, keeps the other one stable. What won't happen is that one will heat up, gain more gravity, pull the other in and transfer heat to it, which may then push it away.
- It seems a rule of nature that gravity will accrue before heat is interred in the object and that once a gravity well is established, then the object can be sure that any heat generated will be used by the entire mass first before any non-reaction of core material is allowed whereby it might lose the potential heat energy.
- In which case, rather than lose heat to the nearest object, an orbit will instead occur, keeping the 'thieving' object away.
- It would suggest particles of a nature as hand in hand with Higgs field particles are there to ensure:

a) Objects enter orbits rather than fall directly to Earth.
b) They do not bounce off the atmosphere with theft of energy (i.e. heat from the Earth).

Nb. The Sun is difficult to land into. It would be a bit of a failure if its' gravity was so massive that as it tried to carry out its day as a Sun, things like Planets kept running into it-yes they all get eaten up by the Sun, but the Sun loses a bit of Energy to burn brighter each time it eats what lands in it, and it has to find ways of wasting this new dead planet material now, oh no! It would just be depressing. Our orbits around it are made by the Sun itself telling us to stay away from its' energy. It doesn't want to waste its' effort eating you. It's just trying to be a star-go away!

Conclusion

That the Standard Model still needs a particle or property assigned to an existing particle that deals with the obvious hierarchy gravity has over heat, whereby it is enough to ensure objects of mass stay in orbit rather than reach the surface and that they do not want to receive heat transfer if just bouncing off the atmosphere. And that they act for the Sun, making it difficult to land there. It needs to be said that Bosons with their own Field, use the Field as a replacement for Gravity, which they don't have, to enable positioning or stabilizing of other particles or material. And that they do not form part of the material or any material, but are the actual bonds or conduits of normal Standard Model material.

Also, that $E=mc^2$ is made to account for the natural neutral state of a freshly formed particle or molecule, by the force of the 'mass field' of that molecule or particle returning to an entangled state of acquiring either heat or gravity and as soon as one or the other is propensed, to be returned to that initial neutral state under entropic preference unless the extents of its' boundary (mass field limitation) is constrained.

Basically, the two horizontal lines of the term 'equals' (=), represent 'Infinity' on the top and 'the chance of anything' on the bottom and the special relativity needs expanding, for example:

Things must be allowed a unit of time to grow before they have to submit to reaction or action.

Relativity is definable in terms of neither at rest nor fully in motion (general relativity).

Relativity is definable, also, in terms of having to be fully neutral in state (liquid, solid, gas) at elementary formation or change and then must be allowed a unit of time to grow as well as be allowed to remain stable under their own exertions or break down or collapse (special relativity).

You may then be able to define isotopes more clearly without crossing into radiation and radioactive materials because isotopes are new materials and radioactive material is unchanged, fundamentally.

And also that by systematically multiplying the integers of General and Special Relativity, you can value Gravity via the following formula: $G=Rel^2$.

Addendum I.

Special Relativity and Schrodinger's Cat

I've asked Schrodinger to defer his experiment until 17:30 next Friday when I will arrive to open the box and hopefully save the cat.

The experiment will be active in a quarantined room. Should the box be radioactive when I open it, he will flash fire the room, killing me and everything in it before decontamination.

There will also be a safe box for me to dump the radioactive material into to make safe should it still be intact.

I will then be able to walk out with the cat.

Unbeknownst to Schrodinger and the rest of the world, I have been working on the cure for cancer and not written it down. I did not have the cure when I spoke to him last week but finalised it in the meantime between then and now as I am walking to his lab.

I will not tell him this, and if the cat is dead, then so am I and the cure will have to be found by some other scientist in the future.

If I live, then I will save the cat and come out to divulge my secret to the world.

He locks me in the room, and I walk to open the box without going over the cure in my head, indeed, despite the precariousness of the issue, I will not become too hysterical to remember the exact details of the cure should panic set in. I open the box and right-handed dump the radioactive bottle in the safe box whilst removing the live feline with my left hand.

Without heroism in mind that I may divulge the cure for cancer, nor panic that I would forget it in the heat of the moment, I cannot deduce whether I lifted the bottle out first, or the cat.

Indeed, it seemed as though I lifted the bottle to make that safe first, as time was of the essence.

However, the experiment was not over until I pulled the live cat from the box to indicate its' wellbeing as an indicator to Schrodinger through the viewing window and thus end the experiment which needed to happen first so that I can celebrate my medical findings with everyone.

It seems I wanted it to be over right down to the nearest nano-second, but now sense that I lifted the bottle to dump and also swept the cat up at the same time.

Dumping the bottle was not a good enough indicator to Schrodinger to take his finger off the flash-fire button.

He needed to see the cat alive.

I knew this, but I knew it was all over when I dumped and sealed the bottle in the safe box.
I could not counter the experiment being over until Schrodinger concurred the cat's life was intact.

My mind stayed focussed on finishing the experiment until his condition had been met.

Any delay in showing him the cat would have delayed medical science the knowledge of the cure I am now divulging.

I am now sure that as I dumped the bottle, I lifted the cat in the same motion with my other hand.

Whilst the thought of completing the action of my right hand was secure in focus of the safe box being sealed in one swift motion, I had only half the effort picking up the cat non-expectant of any worry about finishing the action of lifting the cat out safely.

I was not going to throw the cat out, but once the safety box had been sealed, the motion of the live cat in my hand would have come to a safe rest and with all the composure of now finishing two actions at the same time. Whereas I had no threshold for stopping the redeeming of the cat until knowing to stop both my hands at the same time and only focussing on the bottle being sealed.

Until both actions finished, and my mind caught up to where I was eventually going to cease moving the cat, I would have said, "the safe disposal was happening first."

It was as if my mind were determining the bottle would definitely be safe and that *that* particular action was now over, just before I'd even actually finished the motion and that the cat's indication to Schrodinger to complete the experiment would happen later than expected, only to then be thrust forward it seemed through time to surprise myself that they both happened together.

Both actions finished at the same time.

I took the bottle in 'particle physics' mode to end the experiment proper, hastening to tell my brain it was safe, even moments before the bottle was being sealed safe and also took the cat to indicate a conclusion to the experiment in typical 'big bang' physics mode, whereas I was telling myself the cat would shortly be out alive in a few moments, even after I knew it had stopped and was already seen.

I can conclude Schrodinger sees the live cat and I can continue with my discourse on saving the planet, sure that I would not have panicked and forgot it, nor would I have started reciting it too soon and incompletely, which Schrodinger may have heard part of before he flash fired the room, only for that tit-bit of information to cause confusion for the furthering medical scientists who then would have taken years longer than not, for hearing the hum-drum part explanation he told them were my last words.

Once entanglement has been isolated, it will want to return to its previous pre-boxed entanglement, perhaps by the fireplace, without any molestation of prescribed energy to take with it (the cat itself), or it will be happy to now no longer be in an entangled state with now as such, no outcome the result–happy to conclude itself as being a new cat, so to speak.

The only thing that refuses to leave my mind is: -
In that time was of the essence in two parts to that experiment.

1. The bottle being dumped safe.
2. The need to divulge my secret to medical science (record a precise result efficiently so I can get on) as soon as possible.

In both aspects, every second counted.

But the two could not be set to know the other. ***These two derivatives of time cannot be entangled.***

They could not be further apart.

As two factors of time were needed to ensure my conclusion that probability is superseded by the (α) need to repeat the success faster–**Special Relativity-c2 is Time**

You could argue that speed was also necessary in superseding it (probability) also, but at a microscopic system of back-and-forth events; (Ω) localised event–**General Relativity-c2 is Speed of light**.

1. That speed was a factor in the first place, ensuring nothing else might have happened whilst I performed the actions as planned.
2. That the delivery of the information occurred corroboratively with the conclusion of the experiment, because here, on a smaller level, one thing comes after another.

"Insanity is repeating the same thing, expecting a different result"-Einstein.

Relativity is counting on a repeat of the same thing being done quicker the next time rather than worry about probability. It will assume a reset if the test is performed to different variables of time or speed–or as attempted owing that factors common to repeating something with experience will reduce the value of Entropy, i.e. (in) tolerance, gain resistance or increase suppression.

In order to repeat the same thing successfully, or the same success itself:

- **Relativity banks Entropy to enact a Dead Heat of Superposition and Conclusion before a new entanglement can be met.**
- **Insanity spends probability back to the original Entanglement without conclusion and allows an Inferior position to re-occur (perhaps indefinitely).**

Relativity can order a success to happen if you get it right-if you haven't failed already.

Trial and error won't arise as a success or a fail if it is entangled (entangled means the outcome is in numbers, 1:10, 25 to 1, 2:1 chance, etc.)

Even repeating it won't tell you anything. It matters about the energy going in and the energy coming out. Then you'll see a success or a failure coming-in time.

As humans, we may start the event and then go back, taking the first few steps as practice runs, where no difference is made or can be, looking at the very point where and when we will stop putting more energy in, or less by removing it, to be able to then continue without halting anything and then focussing straight to the end.

The spot a 100m sprinter looks at as he takes a few steps out the blocks before the start. He will literally look at the exact point on the ground in front of the blocks as per where he is planning on being able to stop putting energy into his race as a 'load'. Or, if things are different, the point where he can reign himself in if he's got too hyped or gassed from the starter's pistol, or add more if he has a bad start. But if he has a bad start, puts more energy in, just as his running shoes recover and then these two assurances of increased performance meet at the same time, then it could be said that his shoes shouldn't have to wear out, or even split, but in that fluke of an instance, an anti-gravity wave will be repelled from his shoes, and will settle in their own Gravity well as a temporal field. And this Anti-Gravity wave repulsed from his shoes is Dark Energy in its purest form, and won't help him win the race or slow him down either.

Relativity is counting on a repeat of the same thing being done quicker the next time rather than worry about probability, which it assumes will reset if the test is performed to different variables of time or speed. Sanely, we will always assume the next attempt will be a load of resistance easier. Because we're used to analysing the minimal gains and minimal in-efficiencies to get to a point where we can meet a superposition and a conclusion at a dead heat, i.e. clapping our hands in time to some music or a beat.

If you try and clap your hands to the beat of a drum but are out of time. Are you Insane to attempt the same thing expecting a different result? Some idiots will say you are. But don't be confused. About 0.0001% of the population are insane and are usually past 35 years old. You will not be doing anything insane in your life time without your say-so, which is reasonably sane-even temporary insanity redresses the problem in course back to sanity.

Might one say that to square the constant C, in both cases of relativity you would argue that two of the same things can be timesed systematically, i.e. $100 \times 100=100^2$ or that maybe also two individual unentangleable things of a similar nature could be multiplied together?

As an example. You wouldn't times' the speed of a car at 30 mph with the speed of another car at 45 mph, for a squared answer $x^{2.}$

But valuing in abstract the speed of the eagle following a 45 mph car currently 10m behind it (x), may be factored against the speed of a pigeon 10 m behind a 30 mph car (x) if they both must reach their cars in precisely 60 seconds time-x^2.

You would need a combining integer of course to expand the following calculus, however…

(Eagle@10m to 45mph car) × (Pigeon@10m to 30mph car) =60 seconds (relative to mass).
Either multiplied or squared.

E would still equal mc^2 in both aspects of relativity.
In a way: -

- Special Relativity Banks Entropy-superposition
- General Relativity Yields Probability-temporal field
- Insanity spends Probability-now no result
- Sanity records result-conclusion
- Probability saves Entanglement to conclude at true odds-unentangled inferior position (usually two, i.e. alive and dead)
- Entanglement holds Probability-as before, or if a void result, will go back to the original entanglement and reset (temporal field), or start again at new odds if a new entanglement after the result is formed (superposition).

Both forms of Relativity (General and Special) negate the need for Nature to endeavour to trial and error. Human beings force 'trial and error' into the equation of these **six parameters of 'energy molestation' or experiment**, of which Special and General Relativity are the dominant one and two parameters, in order to make something or experiment with it. Otherwise we would keep to the same wheel. Which is what Nature does. It sticks to the same wheel as it can't experiment or endeavour to trial and error. So it uses Entropy, Probability, Entanglement, and we can see this in time and space because of Relativity. So we can bank on Entropy stiffening objects or reactions instead of Special Relativity (and as well to deduce Gravity), to save us time but only extend the molestation free time of the energy and mass, not 'preserve' them. Just don't think that will enable anything to warp either! It is more to allow things to grow or resist cumulative reactions of the same type. Warping only takes place in Nature when an object changes state from a solid to a liquid and contains Carbon.

Important-For information regarding Space-Time as a Field, please refer to Dimensional analysis. This paper infers Space-Time is a temporal or temporary Field and only exists within the extents of an object.

My conclusion is that if doing it again, I would do it the same way, and without such important knowledge hanging in the balance, still do it the same way until a quicker method for ending the experiment was found. Whereas trial and error normally appears random, in this case, the fastest success owing to rational conditions will occur and only serve to get faster once the conditions slacken and

less variables are assigned, concluding that a robustness to rationality is the victor. This may lead to solving the p v np problem. And a one-million-dollar prize.

At no point will the knowledge of probability and failure rate come to mind, especially when determining that a faster way may be found next time, as long as I perform it as fast as before based on a successful outcome, i.e. this is override to fear that probability will change the result.

The drag on my brain hastening to conclude a safe test, even as the bottle is being sealed away can be countered by the emittance of the cat indicator coming along in the other hand faster than my brain offers to tell me. All to enact a dead heat. A dead heat whereby the energy of the two things causing the dead heat, apart from one another, want to release that energy after the event at the same time, instead of retain it.

Addendum II

Einstein's thought experiments explained

The clock and the Tram

Soon after finalising and publishing his famous theory of relativity, $E=mc^2$, Einstein loved to sit in his study and explore the ramifications and meanings of this in the universe.

So much so, that whilst at the patent office, where he worked, he would often rush his work throughout the afternoon so he could get home as fast as possible.

On one such occasion he suddenly got busy in the afternoon processing patents.

In fact, his in-tray kept getting bigger as the afternoon went on until he literally blazed his way through them all as he wanted to get back home and progress his thoughts on his formula.

He managed to finish his work but was late leaving the office and quickly picked up his things and sprinted the short distance to the tram station in the town square. Whether the tram was late, or Einstein had managed to catch it in time, we'll never know, but he managed to grab the pole on the back standing platform of the tram just as it was departing. He then, as you would expect, turned to look at the massive clock face in the town square, probably to see if he had made it on time, or if the tram was late on this occasion. Everyone was having a busy day, why not the tram? Overcome with a lack of composure and rationale to logic-based process, he came up with the idea of time rushing past you (around you, i.e. to the sides of you) as you're going at the speed of light, e.g. on the tram home. Whilst time would stay still in the direction away from where you are travelling, i.e. looking back at the clock face.

Which is nonsense. That is more akin to a flux capacitor whereby the entanglement of a perfect 50:50 per cent balance is hyper shifted between events of 100% certainty of the one thing to the left and 100% certainty of the one thing to the right, but still doing neither, shifting between one and the other at the speed of light, but whereby time in the usual one thing after the previous thing will follow at an observer's speed in the direction of the rear, but no motion forwards is happening. Things are at rest, or more over, geocentrically locked to the object at that location, in the geocentric core. Imagine an undecided heavy-set person being bumped by a soccer ball to make his mind up. He was in a rush home. Light waves are like sine waves and will literally whip their way into your cornea so that you can see what's happening in time, progress through time, at the speed of light. As light is a constant, we can never see time move faster or slower than light speed. Whilst sight is but one of our senses, our feeling of moving faster or slower than time at light speed, if we could move at light speed, the feeling of time around us shifting can be put down to our brain interpreting variances of

momentum and inertia and the fact that nothing can ever be truly fully in motion or at rest.

Which is what Einstein first said.

I'd like to think his thought experiment was actually going to extend out to this following scenario: -

The Tram is an electron going around the town which itself is a nucleus of an atom. Let's suppose the electron (tram) started on the surface of the nucleus (town) and as it left the surface to enter its normal electron orbit, both nucleus and electron were already in motion as per the theory of general relativity, i.e. the nucleus was already moving with the electron sat on top, so as the electron was sucked into its normal orbit, would it gain speed? Or would the nucleus of the atom be slowed down, or neither?

The Painter on the Roof

Again, whilst working at the patent office, Einstein noticed a painter fall from a roof and noted that once he lets go of the pole or the thing holding him to the roof, then as an observer, he isn't under the effect of gravity as all things are either uniformly in motion with him or at 'rest' with him. Bear in mind Einstein felt that the laws of optics should obey the general theory of relativity, whereas I believe it is the other way around.

Indeed, I have had the unfortunate honour of falling in such a way, only this time was one better than that. One morning in Truro, whilst nearly at Truro School, on Trafalgar Roundabout at the bottom of Trennick Lane and Tregolls Road, I was standing true on the top deck of a bus at the top of the trunk of stairs, which were a curved staircase behind the driver's cabin. With both feet on the lip of the top step and looking directly towards the back of the bus, the bus braked, then sped up, both whilst simultaneously going right around a roundabout. On its way around the roundabout, a car had cut the bus up, so it braked and then swung right under torqued acceleration.

I let go of the pole and suddenly I felt that I was not moving but at rest. To my surprise, I did not hit any of the steps of the curved staircase, nor plough my head into the back of the driver's cabin, but landed directly on the floor of the bottom deck, on my back looking up, right next to the driver. It was as if I had fallen in a curved trajectory, but actually straight down, whilst the staircase and bus had moved sideways without me. It was then I felt I had been in motion but hadn't felt it as the whole time, relativity was making everything else move further than me, even though we all moved at the same speed.

Once I let go of the pole and my feet left contact with the bus, I had effectively left the bus. The bus continued to move while I was technically at rest, as long as I was still the observer at this point. It moved sideways whilst I retained my trajectory down and landed in a different point on the bottom deck to where I had travelled straight down from the top deck.

Indeed, when I went back up, my friends could not reason I had fallen down there because they had looked down and not been able to see me, so thought I was hiding under some chairs on the top deck, which some of them were still underneath of looking for me as I stood in front of them wondering how they thought that. Oddly, one lad was looking out the window thinking I had somehow evaporated into thin air and ghosted onto the pavement. Which he was still doing as everyone was staring at him asking him if he was alright.

I told him I'd get our Physics teacher to explain it properly to him later, but to please stop crying. So, more or less, if you jump up in the air, you will feel at rest because everything around you is moving further, rather than moving faster, especially if you are on a tram or a bus. Einstein felt that the laws of optics should obey the general theory of relativity. As he grew older, his early thought experiments acquired deeper levels of significance. Einstein felt that Maxwell's equations should be the same for all observers in inertial motion. But in my example, you had me thinking I wasn't moving, people looking under chairs on a different level of the bus for me supposedly hiding, and another observer looking out the window for me very upset. From Maxwell's equations, one can deduce a single speed of light, and there is nothing in this computation that depends on an observer's speed. Einstein sensed experimentally pre-determined parameters formed by the cosmos for a quantum phenomenon rational explanation of the electromagnetic charge to

the wavelength ratio of materials. And attraction being a conflict of Newtonian mechanics and the constant speed of light determined by Maxwell's equations.

He had not determined the Law of transfer from potential energy to energy or momentum to inertia ratio. Which require any observer to continue moving to allow attraction and non-interference or interceding, and the observer needs to continue moving when viewing the wavelength of material from a perpendicular or symmetrical vector to prevent countering symmetry or obstruct the reactions involving energy transfer from object to object to then occur.

Epic macroscopic

Note, there is a test case in that stopping to look at a certain particle will change its appearance or behaviour and it is simply that the observer remains still when looking at it which does this, when they need to be moving so as not to obstruct the flux of Lorentz Force happening in real time. Because light waves can be bouncing off of one thing, still touching it, then entering the cornea of a human, forming electrical signals in the brain to produce an image, like an attached chain at both ends linking one to the other. And the Lorentz Force changing the light wave to what the material looks like will be updating the retina in real time, because it has forced a symmetry, which will break when the observer looks away. The Lorentz force will be updating the retina in real time if the energy within you has been balanced out, so you are not trembling if you were moving. So the image you see first is as the particle was akin to red shift., i.e. just as it was, whilst the Lorentz Force updates you, but then forces a symmetry in two vectors, giving you a crazy image. Someone moving whilst looking at the same particle at the same time will see it differently and truly how it really appears, especially if they are also in the process of balancing energy within them.

And the special theory of relativity, which can equate Energy to Mass and Time or be set to produce mass and time, if energy can be stabilised as the only value or material within the parameters he sensed the cosmos had pre-determined. Not only pre-determined, but actually made before the big bang.

References

Please note I do not wish to have plagiarised any material or theories, however, as I am not reading for any specific qualification, this paper has been written without scope to note references, as my Private Research has been continuing since Secondary School.

However, the main sources of my study have been in particular to how the paper progresses in more or less order of:

1. The Special and General Theory–A. Einstein
2. Can Quantum-Mechanical Description of Physical Reality Be Considered Complete-Einstein, et al
3. Chemistry Lecture, Truro-Prof. Jim Clark, 1991
4. Physics Lectures, Truro-Dr. Blaney (or Blakeney), 1991-1995
5. BBC Series, Forces of Nature, Prof. Brian Cox FRS, OBE
6. BBC Series, Adventures in Space and Time, Prof. Brian Cox FRS, OBE
7. The Fascinating Truth About Gravity, Spark/YouTube, Prof. Jim al-Khalili FRS, OBE
8. The Story of Energy, Spark/YouTube, Prof. Jim al-Khalili FRS, OBE
9. Introduction to Superposition, MIT Video Lectures, Prof. Allen Adams
10. The Wave Function, MIT Video Lectures, Prof. Allen Adams