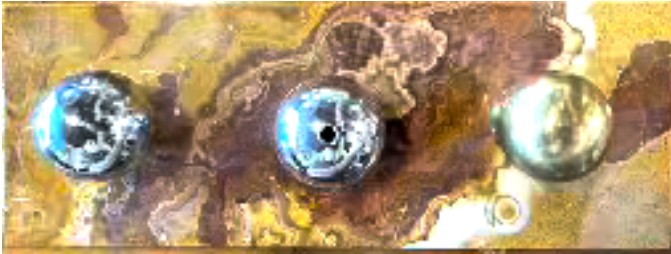


33) The Unified, Vahid (الوحيد), Hypothesis



Mea culpa, no other or institution is accountable for this student work. If space is a Medium, and time is a Medium, then what are the boundaries?

If we study the forms of existence in the material universe, we find that all created things are the result of composition.

As we look upon the universe, we observe that all composite beings or existing phenomena are made up primarily of single elements bound together by a power of attraction. ~Abdu'l-Bahá
Both of the above quotes are from The Promulgation of Universal Peace.

Time is an intellectual noumenon not actually a phenomenon. Space is a physical phenomenon. Time by human cognition is segmented. We are not capable of being conscious of eternity itself. We are conscious of physical now. Time is not now. Time is the separation between events. Human conscious perceives time as manifesting a relation of existent now to non-existent past or non-existent possible future. This creates a life of mystery. We are riding the chimera of time. The head of now, body of the past, and legs of the future.

Space by this Bahá'í scripture is a composition. Space is made of and by primary single elemental components bound together by the power of attraction. All pieces and parts to become composed collections require boundaries to be discontinuous, uncollected, originally. As observers on the outside of a particle, we perceive that space contains the particle. By a very subtle adjustment of perspective, to assume the perspective of the particle, its surface contains space. Both of these are valid perceptions.

The proposition that space is compositions is not likely to occur to a human except and unless the divine Educator via `Abdu'l-Bahá, points out the relationships of things, the foundational, structure, framework that created things come from. Space is a composition of physical material. Time is a composition of non-physical intellectual segments.

Time has no place, no location in the physical universe. Space does. The evidence, experience, experiment of proof: with your right hand make the OK sign, spread your thumb and index finger apart. That is a space located in the universe. Now with your left hand palm up leave it there until it fills up with time.

The foundation, framework, and structure of science is consensus; the foundation, framework, and structure of religion is consensus. The Source of consensus is The One, Vahid الواحد.

Vahid Houston Ranjbar, thank you for the question. "Is there a complete unified field theory in the Baha'i writings?" Questions are always more powerful than any answer.

This is how we derive science from divine writings.

"While the religion of God is the promoter of truth, the founder of science and knowledge, it is full of goodwill for learned men; it is the civilizer of mankind, the discoverer of the secrets of nature, and the enlightener of the horizons of the world." Some Answered Questions, `Abdu'l-Bahá

The description of the entangled relationship of science and religion are presented in Nicholas Spencer's Magisterium. A book well worth reading. However, it would be good to examine and understand that religion is man's intelligible interpretation of divine mysteries and their causality. Physics and science is man's meaningful interpretation of natural sensible realities and their causality. These realities and mysteries, revelation and nature, are as two faces of Primal Will↔First

Cause as a singularity with multiple manifestations. The purpose of man's interpretation, the intention under which the interpretation is performed will↔determine the true value to the self and to the rest of humanity.

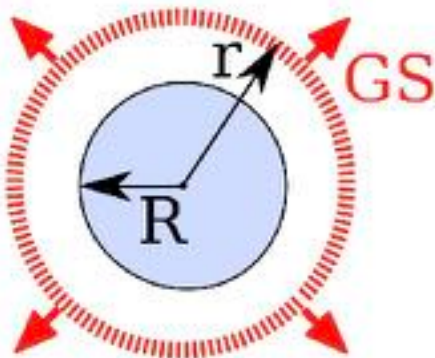
Time and space, as we perceive them, are created qualitative noumenon and phenomenon which we quantify to interpret the world. They are experiential characteristics of the material world, a world that is observable by the senses, a world

that is sensible by cognitive conscious. They are composed. They are associated to particular, material, elemental substance and measured segmented separation of events.

So with further philosophical analysis thoughts of `Abdu'l-Bahá's statement on composition, there is possibility that space could be viewed as being composite in relation to time. And time could be viewed as composite in relation to eternity, eternity being or exists in the realm of meaning. Particular meanings are not merely time dependent but rather are dependent on the relation to other meaning and purpose. Thank you Carlo Rovelli.

Currently physics views four dimensional time-space that is a continuum composed of time and space. So we already have a composition perspective available. However, as humanity progresses towards understanding our physical relationship to spiritual reality, philosophical reality, conscious reality, we have to find a fabric that associates physical, and non-physical, temporal and non-temporal. That space itself is a composition associated to time as a composition is a new idea from `Abdu'l-Bahá.

Borrowing from Johann Carl Friedrich Gauss' work on fields from wikipedia-



Gaussian (electric) Sphere is radiated, emitted, by the surface of the electric charged particle. Its origin at the center, R, is theoretical. The surface as origin is reality. Its value r from center is for measurement calculations only. Reducing particles to theoretical points is for quantum purposes. We have sacrificed our possible larger understanding in doing so. Nature offers useful quantum and qualium relational knowledge. We measure qualities. The field intensity follows the quantum law that field magnitude is inversely proportional to (radial distance)² from the theoretical field source. Otherwise, the Gaussian Law of Spheres (GS) can be perceived by analogy as the Gaussian Law of Space (GS).



On a larger perspective, if a field of space around the electron is associated to the surface the electron, bounded by the surface, we could perceive that space is a radiation from the surface the Arche electron. This perspective shift of the electron is an Arche electron. The same law that we perceive governs electric fields and gravitational fields is the space field. ϵ_0 and G are constants, characteristics, of space. Space be the radiation rather than the electric field and gravitational fields being emitted. A shift of perspective only. William of Ockham's Razor.

An electric field being radiated has no value, no reality, unless there is another point of electric value. An electron alone in its otherwise empty universe has no charge. Electric charge does not actually exist as single monopole. It is our perception of electrical relations that assigns it a monopole status. However, it does have space about it. The symmetry of mass, gravity field, and space is consistent with this same reasoning paradigm.

Plotinus's concept of emanation is approximated in physics. It is the same underlying principle as light radiating from the sun is an approximate model. The source of emanation is singular. The underlying source of emanation is Primal Will. Emanation comes from a singularity as opposed to radiation can have multiple sources. So using the concept of radiation or field being emitted by a source is more consistent with Physics. The reality of the sun as a source or cause and its light as field or effect are essentially inseparable as reality. Apply this perspective to particle and space. The space around the particle and the particle itself are inseparable. They both manifest essential reality of Creator and creation, essential reality of association, essential reality of linkage. The vector of causality between space and particle is clarified by Bahá'u'lláh's divine writings, that from nothingness bounded particular objects are able to come into being.

By Newton there are gravitational forces, by Faraday there are electrical forces, by Gauss there are magnetic fields, and by Einstein there are spacetime distortions. This thesis' perspective is space and time are separate at the Planck level, the scale of Planck's Constant ($4.135667696 \times 10^{-15} \text{ eV} \cdot \text{Hz}$). Volt is a separation of charges. Hz is a separation of time. Therefore, the separation of an electron from its alter reality, anti-matter, is a separation by time. Positrons+ exist in time. Electrons- exist in space. That separation is the essence of their mutual attraction. **Love is a veil betwixt the lover and the loved one; More than this I am not permitted to tell. Bahá'u'lláh**

That separation in two different fields is the essence of their complementarity, distinction, and attraction.

So spacial gravitational force is when a negative charge particle is attracted to a negative charge particle, if they're both exist in space. In the case of spacial gravity, the attraction is the space is being radiated not the charge that is manifested by electric field ξ_0 . So the Arche electron(-) also attracts the Arche anti-proton(-) as they both exist in space. Logic supports that spatial gravitational forces radiate at the speed of light. Albert is correct and proven. Space is composite, discontinuous relationally to time as continuous. Space as derivative; time as integral. Time is composite, discontinuous, measurable in relation to meaning. Time is a derivative of meaning; Make sense? Thank you Habib Riazati. Meaning is a derivative of purpose. A subject out of bounds of this thesis.



Symmetry suggests that the Arche positron(+) exists in time as a positive charge and the Arche Proton(+) exists in time as a positive charge and they are attracted to one another by temporal gravitational forces. Temporal gravity forces radiate instantaneously. Issac is correct. An important essential principle to this thesis is that time is not

physical. It does not have spatial existence. It's nowhere in the universe. Some people indicate time is an intellectual reality, time is association to regularity of the universe, to the order of the universe, but is essentially not physical. This principle is explored in depth in **1) Separation of Space and Time.**

There are those who expect a delineation of the logic that temporal gravity is instantaneous. As a permutation of the Bell Theorem, time has no spacial locality. This is also known to common sense and common consensus. As the effects of "paired" electron entanglement is not limited by distance and therefore by C, when linked Arche electrons involute and ex-volute their alternate reality, the Arche positron, they are no longer in space but in time. In a perspective of John Archibald Wheeler, they are now the same particle. So locality no longer applies. Time emitted or radiated gravity is transcendent of spacial locality and its effects on other temporal particles is instantaneous.

To prove Issac is correct experimentally is more complicated than burying a light beam laser interferometer. To measure temporal gravity propagation as instantaneous, not only do you need very large periodic gravitational signal objects collapsing because gravity is a relatively weak signal. But it is necessary to be locally and distally present for comparison as well as temporally present at the proximal and distal measuring location when they collapse. This is to compare the rate of propagation of spacial gravity to the rate of temporal gravity. To be here and now and there and now and, also, be then and here and then and there, allowing all four measurements, would be problematic and would be a little bit dangerous.

There are truths we use that we cannot prove. There are concepts we use that we cannot prove. It's a matter of choice. This student cannot prove the concept of one. Yet, everyone in physics understands the concept and uses it. Do religionists stand under the concept of One? That is consensus by divine decree and by free will, Al Vahid.

When LIGOs in the last decade measured multiple spacial gravity waves, we were not present to measure the temporal gravity waves that reached this vicinity instantaneously (eg GE15914 spacial component measured on 15 June 2016 was actually emitted 1.4 billion light years ago).

We must remember 4π . Half of the electromagnetic radiation weaving that determines the speed of light is in time and half is in space ($\mu_0 \Leftrightarrow \xi_0$). To

throttle the speed of light to non-instantaneous, it is not necessary that light travel in time and light travel in space are both throttled. The derivative, the particular is in relation to the integral, the universal. Space is the throttle of light's velocity. We're not throttled by who we can become; we are throttled by who we think we are ... here as now.

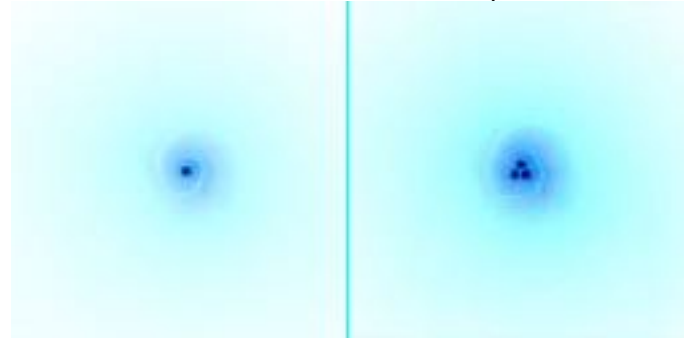
The permittivity constant (ϵ_0) is a characteristic to manifest charge or electrical interactions such as occur between two same electric charged particles or two opposite electric charged particles. ϵ_0 is a characteristic of space. The gravitational constant (G) is a composite of characteristics. G is composed of motion's relation to space density and motion's relation to time density. One aspect that quantifies how two negative particular objects eg Arch electron (-) and anti-proton (-) which alter space to manifest spacial attraction in the field of space. The alternate aspect or symmetry is of two temporal positive particular objects eg positron (+) and proton (+), which alter time to manifest temporal attraction. Space $\leftrightarrow$ time objects are essentially objects in complementarity fields. Werner Karl Heisenberg introduced that exact measurement in both fields as one has limitations.

So this provokes a question: is dark matter, matter that exists time relative to matter that exists in space. Is this why the universe is not expanded by our calculations as much as it should have?

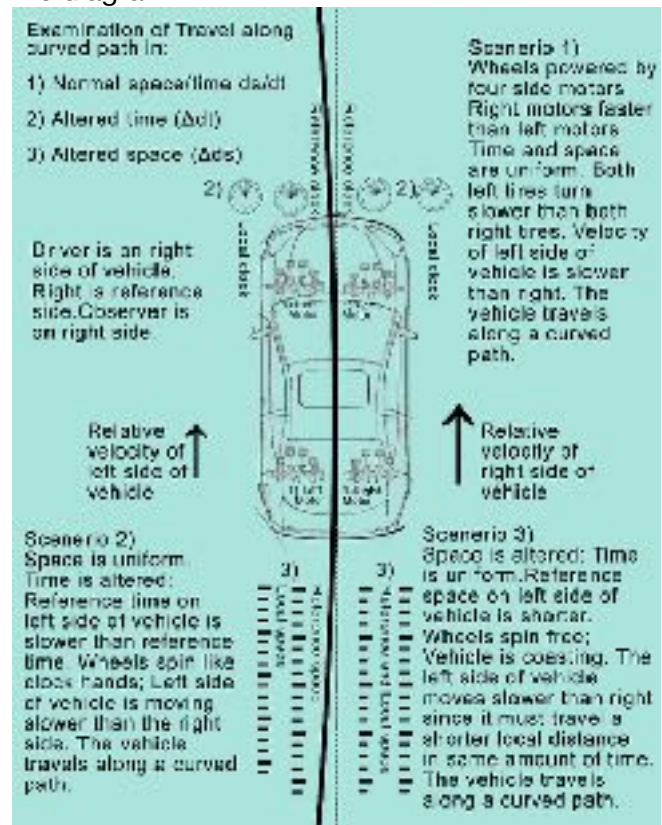
The permeability (μ_0) constant is a characteristic of time not space. It is time's relation to space and electric fields therein, but it is a characteristic of time. The linkage of $4\pi/t$. Warp and woof of space $\leftrightarrow$ time - space $\leftrightarrow$ time fabric. See previous article **2)Light $\leftrightarrow$ Truth $\leftrightarrow$ Conscious.**

Electrical attraction/repulsion between two opposite/same charges is from another interplay of permittivity and permeability. This is supported by the current consensus perception of the exchange of a (gamma)photon between charged particles. (To those of us who are not nuclear physicists, it is like using the cue ball to strike an intermediary pool ball which will strike the target pool ball into the pocket.) Same methodology and relationship. The exchange interaction of the photon is essentially the interplay of time and space on another level than gravity. It appears to be an expression of different qualitum necessarily associated, or manifested, by a different perspective of physics, a particular perspective as noted by the Standard Model.

We could have a collection of Arche electrons in proximity creating additional spacial over-lapping field, therefore more dense field, of space.



Then functionally space would be more dense near that matter collection that has the characteristic we referred to as mass creating a distortion of space relations. Thank you Albert Einstein. Spacial objects would necessarily be attracted to the more dense area of space as is demonstrated in this diagram of dual gravity altering motion. For this exploration please focus on the altered space, 3) in the diagram.



Where does such an notion as more dense space come from? Bahá'u'lláh explains this:

The light which these souls radiate is responsible for the progress of the world and the advancement of its peoples. They are like unto leaven which leaveneth the world of being, and constitute the animating force through

which the arts and wonders of the world are made manifest. Bahá'u'lláh Gleanings

Albert, thank you for making these ideas lighter, like leaven. Issac and Gottfried thank you for deriving the mental work of the baking pan. Ludwig thank you for providing the heated oven. Johannes thank you for this Gaussian kitchen and mixing utensils, Heraclitus (Hermes) thank you for the dough of reason comparing meaning of words to visible effects.

This student's understanding of quantum gravity is that at the quantum level particles exist in space or in time. That co-manifestation is limited by Planck's constant, as space is discontinuous phenomenon in relation to time.

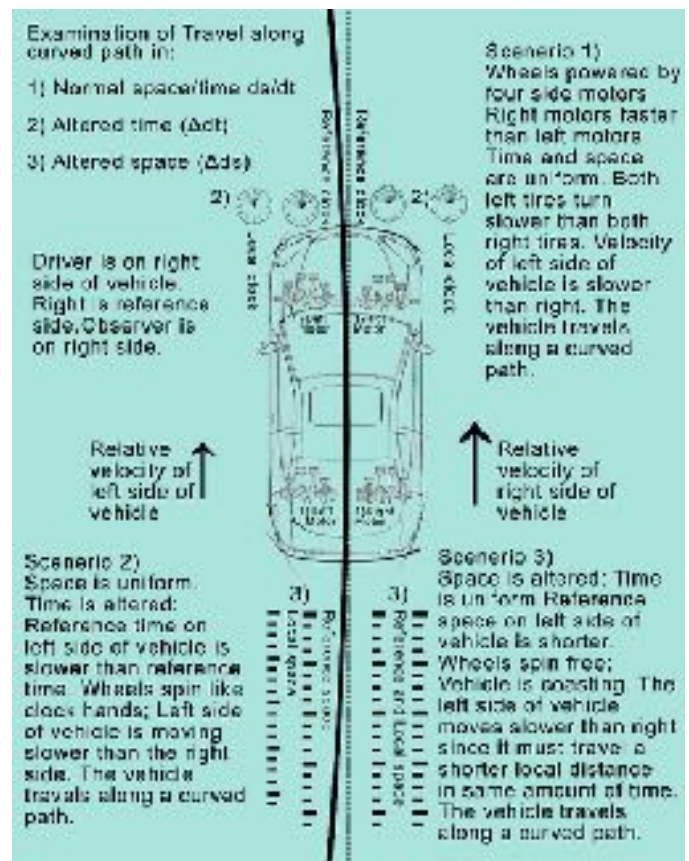
Is all that is required to manifest the more dense space and demonstrate the law of attraction (Abdu'l-Bahá refers to), gravity being one of those laws, is motion. So the moving vehicle in the above diagram, demonstrates how that a more dense space on the left can cause a curvature and attraction for the vehicle to go in the direction of the more dense space. Nikolai thank you for the name Dynamic Theory of Gravity.

This structure paradigm of the Arche electron is symmetric to the manifestation of time from the Arche positron. Time is manifested. Time is not physical. Non physical reality is manifested rather than radiated or emitted. The surface of a Arche positron contains time externally. Time is an manifestation of the surface of a Arche positron. The Arche positron is contained within the Arche electron. Yin-Yang the original binary relation.



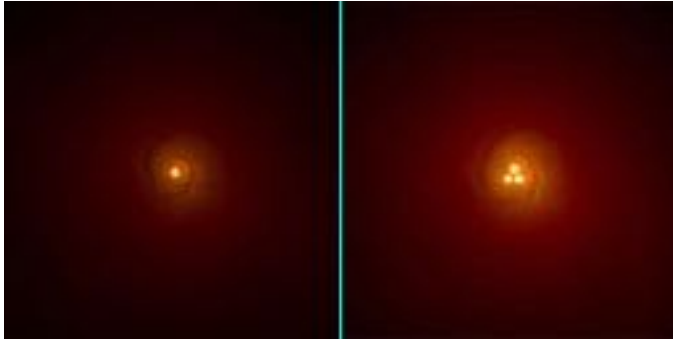
If it does not seem plausible positrons function as boundaries of time, that manifest time, then please have a consultation with Richard Feynman, who presented us with the concept that positrons move in time. We honor him for his insight as he honored

John Archibald Wheeler. JAW is a respectable source of the term **Arche** electron.



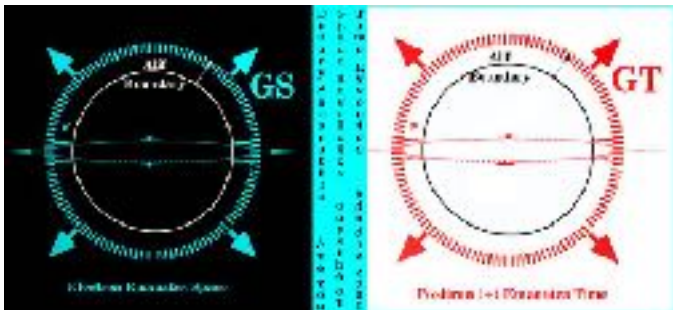
So examination of the diagram of the automobile traveling a curved path solution number 2) is the path that follows by temporal alteration. Always mindful the time as a non-physical reality. Time dilation that is on the left side of the vehicle produced by the surface of positive charged particles emitting, emanating, time from their surface and causing the deflection of the vehicle towards the time dilation as Einstein has educated us.

We could have a collection of Arche positrons in proximity creating temporal over lapping, therefore more dense field, of time.

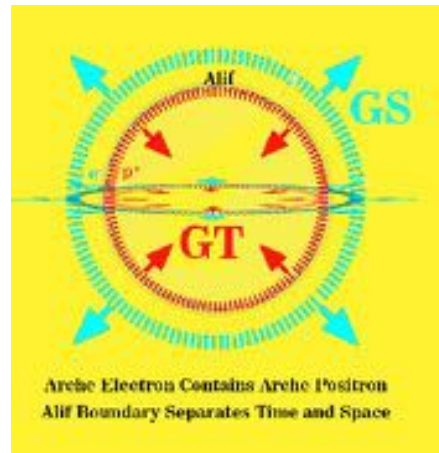


Then functionally, time would be more dense near that matter collection that has the characteristic we referred to as mass creating a distortion of time relations.

A reasonable perception is to see that the gravitational attraction between two positive charged particles emitting, radiating, suggested by manifestation of time or two negative charge particles emitting, radiating space is symmetric to the electric field, which is a qualitum shift of the particles This shift is an enhancement of their secondary expression, secondary manifestation. If the Arche electron and the Arche positron are the same particle, involuting and ex-voluting, then it is a perspective shift when it is creating an electric field, attracting or repelling electrical forces by phase shift when it is presenting space or time. Time $\leftrightarrow$ space creates two types of gravity, spacial and temporal. Their electric field comes from phase shifting space. A geometric model is helpful.



Surface of an Arche electron contains space. Surface of Arche-positron contains time. These two realities are the same reality as derivative and integral involuting into itself and ex-voluting its inner reality, Yin-Yang.



The surface of the Arche electron and the surface of the Arche positron is the same boundary and barrier, the Alif **ألف** boundary. The Singularity, The One, Al Vahid, The Primal Will, is manifest in the material world, the world of particulars; it is the nature of things, none from One derives many, $0 \leftarrow 1 \rightarrow 2$. The scale of the Alif boundary is Planck's Constant ($4.135667696 \dots \times 10^{-15} \text{ eV} \cdot \text{Hz}$). The volt separation between the two charges of Arche electron and Arche positron. The volt separation by space and time. The Alif boundary does cause the involution $\leftrightarrow$ ex-volution event; it maintains a

constant, regular, predictable relation as it is an expression of Primal Will. The Alif of the Arche electron holds space external and time internal. At the change, involution $\leftrightarrow$ ex-volution, the Arche positron Alif boundary holds time to the outside and space to the inside.

The above paragraphs presents a rational consistent possibility to explain how time and space create gravitational attraction with the odd twist of two types of gravity. So this student is struggling trying to understand a binary system that reflects multiplicity is necessary to look at the Primal Will to see how the same system could produce an electric field. Since increased density of space creates spatial gravity, and increased density of time creates temporal gravity then, it's reasonable perceive that the electric field a another type of attraction could be caused by an alternate type of space compounding with the original space would create a more intense type of attraction, electrical affinity or repulsion. Therefore increased sourcing, multiple origin compounding, could result in stronger fields of attraction such as the weak nuclear force, and the Strong nuclear force. That all four forces are the consequence of interaction of time and space, and the derivatives of time.

So when we explore divine writings and the writings of physics, we see compounding as identity upon itself. The prominent presence of

squared values, discloses the process by which God creates reality, stated otherwise, repeated presence of squared factors throughout physics equations confirms this perspective and the profound Self identification of the divine Creator as "I am that I am.", supports that is one of the ways in which the Creator declares reality to be. C^2 as a indicator, constant, and validator of this reasoning. Philosophers of the past have been very helpful by emphasized the importance of ipseity • unique, qualitum • quantum, 1². Thank you, Stephen Lambden. So using this logic to see how could space be compounded upon itself not merely a more dense collection of space because of multiple proximal sources, but how could an electron have space compounded on itself, without another source or even with itself by itself once removed. Geometric paradigm would be helpful. To understand, the concept of derivatives is an essential property, law, framework of nature and physics. You are derived of your parents. The surface of the sea is derived of the air. Deeds are derived of thoughts. That space is derived of time is consistent logic. This thesis evolves to express there is primary space actuated by spin and derived space actuated by reflection. It is necessary to have a notation to distinguish between the two. Primary space, original space, essential spin space = space*. Synthesized space or reflection derived space = space' as a notation. Yeah.

"The concept of derivatives in vector calculus is similar to the scalar case, where the derivative measures the rate of change of a function. In the case of vector functions, the derivative can be computed similarly, providing the vector tangent to the vector function curve at a point. This is a purely geometric concept, as it only considers changes in length and direction of the vector, not its position. The derivative of a time-dependent vector function can be expressed as the limit of vector increments as the time interval approaches zero. This approach is consistent with the way derivatives are defined in real-valued functions, where the derivative of a function at a point is the limit of the vector increments as the time interval approaches zero."
From Wikipedia?

A vector tangent to the function curve as described above mathematically can be permuted and extrapolated to a vector generated by relative state, inside or outside, generated by essential spin, time alternates to space*. A further derivative state can be associated as reflection of the original vector. Reflection as a derived reality, space'.

Space* as derived of time by involution $\Leftrightarrow$ exvolution, positron $\Leftrightarrow$ electron. This is "essential" spin.

Space' as derived by reflected time: as an internal time source cannot exit TS boundary, reflection by Alif boundary this determines an aspect of the derived space, determines a qualitum of the derived space' that differs from space* derived of spin.

None from One derives many, $0 \leftarrow 1 \rightarrow 2$, is alchemy of meaning. The qualitum of One relation to the quantum of One. Zero (0) as qualitum, nothingness, as space. Two (2) as quantum state created out of itself, time. It is; It still is. To transfer the value and meaning of one compound or element to another is alchemy in its essence. We transform Rice to Gold, Lithium to Gold, Copper to Gold is done all the time although we call it commodities on the market instead of alchemy. Same reality. Human desire is the elixir. Some desire nearness to God. Some desire rice. Some desire gold. Some will exchange their time for gold. Some will exchange the gold for the divine reality of generosity as nearness to God. Guess which one you get to take with you after you leave space and time, the gold or generosity?

The wave characteristic of Arche-electron $\Leftrightarrow$ positron-Arche occurs at the boundary of a binary relation, time $\Leftrightarrow$ space. Essential spin

discussed **3)Inertia**. These elemental realities are bound together by law of attraction, an association of a derivative to that from which it is derived. The separation of a thing from itself once removed is the essence of attraction. **"Love is but a veil betwixt the loved one in the lover. More than this, I dare not tell"** ~Bahá'u'lláh.

Logic and reason is a science of associating derivative causality. Why does the universe exist, how does the universe exist, "what dreams may come", when to control self, are all pursued by mind. Be mindful it is the soul asking the questions not the mind.

How is space derived of at time? The mathematical (calculus) model as an analogy is that spacial location is the time derivative of velocity, space time ratio, relation. Restated: space associated to time, as velocity, when examined at a specific instant (an intelligible reality only) yields a specific physical location. In terms of experience, traveling in a car at a specific time you have a specific spacial location. However, at the quantum level presented herein, Galileo's concept of velocity does not exist. At that level entities are in time or

they are in space. Zeno's instant, each particle of the arrow slips from time to space and back again and again. It does not exist in both. However, a geometric model is called for. A collection of primary radiations and derived reflections is necessary to examine the relationship of the electric field to the gravitational field.

So examining this model immediately a question arises how is it that an Arche electron manifests a negative charge, when it is not manifesting the internal positive charge? Like the neutron (proton→neutrino←electron)? Nah, the Alif boundary has laminal characteristics of electric conductor, dielectric, diode association to control the electric field behavior. We must remember that nature possesses these electronic components that we have proposed functional models in our minds, but they are modeled after behavior of natural materials we experimented with. These lamina discussed in **4) Containers of Time and Space**.

As this student understands the effects of the negative charge propagate in space the effects of the positive charge propagate in time. That one is discontinuous temporally, and the other being relationally continuous and instantaneous is the source of the causality of difference between the two fields, one being present spatially the other one not being present locally in that it is temporal and positive. One being propagated instantaneous and the other propagated at the speed of C . In a simple model by electrical systems time is the relative constant (neutral/receptive) reference of the charge; space is the alternating relation, the hot/active. In the gravitational relation time's relative continuous instantaneous state to space's relative discontinuous speed of light propagation, time functions as integral active force and space as derivative recipient.

This student's best understanding: is that positron time field inside of the electron, time reflected off, reflected by, the Alif boundary internally which alters its essential reality because the reflection is a derivative, a reflected "false vector" and that derivative exists, transmits, as space'. It's function to be, or exist, or exist, it does so as time's derivative, space'.

So by radiation of primary (original)time↔space* interaction, Arche e^-/p^+ is manifests as gravity. As time "derived" to space' associates to primary space* that association creates a further enhanced space, space*•Space', (space)². This compounded space creates the greater than gravity attraction we measure as electric field. So there is a distinction between the two types of derivative space* and Space'. Space' must have a distinction whether its reflection is transferred through a TS

boundary of a positive particle or a negative particle. Perhaps Feynman's work is a clue for this polarity distinction. So one of the necessary observations for this model is that the charge of the electron is not constant. It is relatively constant. And looking at the model, it applies that the frequency of the electron is the frequency that is determined by the relationship Planck's constant to the speed of light. The speed of light is also one Planck length per Planck time. Therefore, it is proposed the frequency of essential spin, the frequency of an electron↔positron

involution↔exvolution is a Planck duration, 10^{-44} sec. When the electron is in space there is no duration. When the positron is in time, there is no length. And this as stated is the simplest explanation of how the Arche electron can be everywhere at once as John Archibald Wheeler proposed.

The principle of the charge of electron having a frequency is substantial. Because of phase shift between a positive charge and a negative charge particle easily explains how the attraction and repulsion occurs. As to similar charge particles in phase the simultaneous expression of space burdens the capacity of the system and repulsion occurs, whereas expression 180° out of phase increases attraction, by simple electro↔magnetic principles- $\epsilon_0 \leftrightarrow \mu_0$ as constants have limits, by simple time↔space-compounding space or time creates response.

And what is the cause of the frequency of the electron? Essential spin. The phenomenon of internal reflection of derivative space' passing through the TS boundary when the TS boundary itself has a frequency alters the nature of the radiation coming from the inside to the outside. We have contemplated the dual slit experiment for years. The permutation of that phenomenon is a movie projector. The parallel sequencing of light passing through a frame's frequency creates an image that has a duration on our retina to create an stagnant or moving image. Our movie theaters experience have taught us the reality of the Arche electron, intermittent comingling of phenomenal fields. The distinction of the analogy, vehicle and tenor is limited. The frequency the electron is an expression of the divine, which is that a very high, exalted beyond testing, frequency. An analogy to the system is used by the Creator in creating a sense of the constant presence of physical objects relative to physical events.

So the Greeks asked the question how do the many come from the one. That is a question that

will reverberate in all of its forms for eternity. For this student entanglement is that both electrons are in space therefore the same electron. When they invert and ex-volute their reality of time, then they are now in time and they are different electrons because of the reality of time. This model could be applied to human being in that they are those who are cognitive that there is a single mind, a single conscious, a single soul that is outside of time. But inside of time you have individual conscious and every human being has a unique thoughts.

So examination of the dual slit experiment is an interesting metaphor. Considering that time reflected from the Primal Point, analogous to the inside of the Arche electron. It could be considered as a *Primal Point*, because that there is no primary space* as we know it inside of the Arche electron, therefore the nuclear physicist's who like to think of particles as points could be viewed as correct. Internal time, that drives to space' by reflection that passes through the TS boundary as a derivative. And then the external time, originating from the external *Circle of Unity*, passing through the ST boundary from the exterior to internal and that reflects off the internal divine reality of the TS aspect of the Alif boundary and passes back through as a derivative 'space through the TS boundary then you have another perspective of the dual slit experiment. The interplay between 'space and space' creating compounded space allows for the constructive⇌destructive interference of

'space'², the interaction of 'space with space', and a beautiful realization that the Primal Will of the Creator is the observer which causes the collapse of the equation the manifestation of a particular, quantum, packet, manifested as substance when 'space or space' is observed separately. In the same way that we see the waveform in the dual slit experiment can be expressed, manifested, interpreted, observed as particle by singular exam, singular slit.*

Further examination of the Arche electron: another association of internal time derived space' exits to compound with another external time source which transmits through the ST gate, translocates to opposing boundary where it reflects and derived to 'space may exit. Both reflected time, coexist as field, *dual reflected derived space*, 'space upon space' to ('space')² which associates to spin derived space* [space* • ('space')²] which is proposed as the cause of Weak Nuclear Attraction.



In Arche electron image above, internal Time, sourced from internal Arche positron surface, derives, reflects to space'.

Examination of this model indicates that each derived space has a frequency.

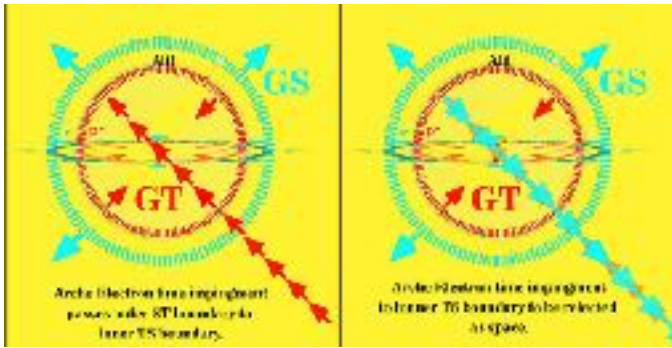
space* derived of spin has frequency

space' derived of internal time has frequency

'space derived of external time has frequency

A very critical aspect of the Alif boundary that is occurring in the relationship and difference between positive charge particles and negative charge particles is that time is continuous in relation to space. The space radiated by negative charge particles is distinct from the other space radiated by other negative charged particles. This allows the accumulation of space. Allows the compounding of space. This is a very important concept that space is discontinuous in relation to time. (¶) On the other hand time is continuous in relation to space. Time has no spatial locality so a positive charge particle that is emitting radiating time. It is the same time that is being radiated by all positively charged particles. So time is not accumulating and compounding. Time penetrates all things except that which contains time as described in the Arche electron, the Alif boundary. (¶) There fore, if an Arche electron has time contained inside then a good physicist will ask "Well and good, however, where is the time that allows the electron field to be manifested in?" That time is being radiated by the alternate, other positive particles throughout the universe. It is the same time. The distinction is this: time derived from a specific particle as space*, or as space', or as 'space, that a specific negative charge particle radiates is not the same space that another negative charge particle radiates. Space is discontinuous in relation to time. It is separate and distinct. Restating this, time is permeable to all things, but the Alif boundary, Primal Will. Time is continuous in relation to space therefore, all the charge particles are imitating the same time. The

individual negative charge particles are radiating distinct separate space.



In image above, external time, sourced from adjacent proton, penetrates ST boundary and then reflects from internal TS boundary, derives to 'space.

So how the Alif boundary causes a 180° phase shift, π phase shift, to reflected 'space or space' thereby create a positive field about an Arche proton and positron, or negative field about an Arche electron or anti-proton is worth examining. This requires a separate thesis.

On a parallel subject, phase shift of space-time associated to, analogous to, phase shift of EM wave relations. $\pi/2$ shift cos derived of sin. Space derived of time by phase shift, $\pi/2$, see:

2)Light $\leftrightarrow$ Truth $\leftrightarrow$ Concious. Space* derived of time by spin is closer examined in this thesis: **3)Inertia**

Space' $\cdot$ 'Space = ('space')²
Compounded derived reflection of as force of attraction interacts with space*, as space* derived by spin.
('space')² $\cdot$ space* = Weak Nuclear Force?

This student's knowledge of the Weak nuclear force, and the Strong Nuclear Force is restricted to definitions. However, it is rational to perceive that if you had a cubed function, (space)³, of a force's source that would be more potent than the same force by any of the primary degree, or secondary degree of the force factors. Relative intensity of attraction:
Space³>Space²>Space¹

Half integer spin? Is the alternate perspective model similar to the idea that the positron going back in time appears to be an electron to us by Feynman's model? As he proposes reversal of the time vector subsequently creates a phenomenon from our perspective of the reversal of the charge. This holds in nuclear analysis by the standard model in that the positive and negative spin of the electrons associated to each other. As relationship +1/2 spin and -1/2 spin are indicators of spin in

time and spin in space. Relationships are the same phenomenon from different perspectives. Both of these relational spins are distinct in the context of essential spin.

This student's goal since high school was to understand the cause of gravity. By sorting through what has been taught, this student has come to an understanding that is acceptable to him, but may be of no value to anybody else. Furthermore, this student studied electrical engineering and finds a sense of satisfaction in perceiving the cause of electrical charge and therefore electrical force. One of the earliest works examined by this student, was Discourse on Method. That Method suggests there be no reason to pursue investigating that which has been thoroughly investigated and examined such as the Standard Model examines the Weak Nuclear Force and Strong Nuclear Force. The Standard Model that has been described through particle accelerator science can be left as it is. It is the domain of the nuclear physicist?

The student explored the possibility to compounding of time as a cause of the strong nuclear force. As best this student can understand, time is not compounded in the way space is compounded, because time is continuous in this realm. Therefore there cannot be two sources of time. Therefore, all positive particles radiate the same time.

The writings of the Báb, the Bahá'u'lláh, `Abdu'l-Bahá are replete with indications that the physical world is transitory, contingent, relative. All of this is affirmation that the electron itself has frequency. That frequency depends on Primal Will. This model is amenable to essential physics and to essential religion.

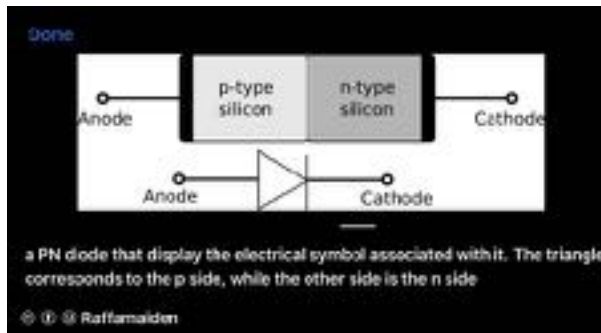
We have in the divine writings, a metaphor of the **Sadratu'l-Muntahá**, the tree beyond which there is no passing. It is the end of measurement of the journey, of the distance for travel. In physics, we have a similar metaphor, the **Heisenberg Uncertainty Principle**, the end boundary of measurement, location correlated to time.

As we look upon the universe, we observe that all composite beings or existing phenomena are made up primarily of single elements bound together by a power of attraction. ~`Abdu'l-Bahá

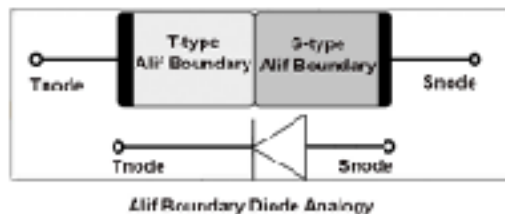
The composite of an atomic shell is relationship of +spin/-spin, relationship of time and space? They are electrons and positrons associated to the nucleus or to their essential spin and the positive and negative spin is equivalent to forward in space and backward in time. So the chemical difference

between chemical elements could be expressed as layering (atomic shells) of time $\leftrightarrow$ space relations?

So the Alif boundary, which this student perceives as being Primal Will, itself is causing the reflecting and vectoring that occurs. Reflected time (space' or 'space) can pass through a TS diode. It can pass through it as the derivative of time. Consider the boundary like an PN junction, as in electronic boundary in semi conductors. This Arche Alif boundary is the equivalent of TS diode analagous to the electronic PN diode which is vectored gate of electronic current.



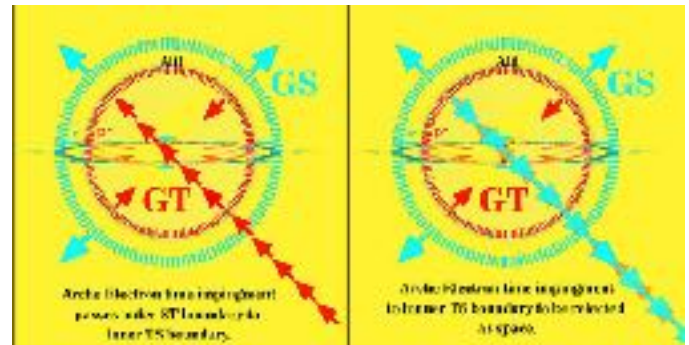
The "T" surface of the Alif boundary contains time. The "S" surface contains space. When time, T, is radiated through the space-time gate, ST, it passes. When T radiates to TS it is reflected, rejected, rectified, derived to space' as a reflection. That reflection can pass through the TS gate. The nature of the radiation is changed. It is synthesized space' that continues as a reflected derived vector. Synthesized space or derived space = space' as a notation.



At the)TS) boundary, internally time is reflected and not passed. Internally Time is derived to space' upon reflection. Space' is passed out the opposite side. Space' passes a)TS) boundary, Time does not. It being the container of time. Thank you Mir Darmad for your containers



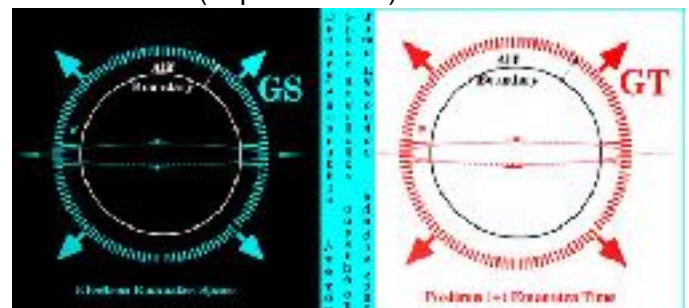
Time of external positive charges passes ST boundary to internal Arche positron to be reflected by)TS) boundary as reflected as space' (derived time).



When this derived 'space from external source is compounded on the derived space' from internal source, a reflection of internal time of the previous drawing, that compounded to space driven by essential spin, space* • ('space')², produces the weak nuclear field? It is of interest that we now know there are electrons in the nucleus of atoms, those which possess neutrons, and that a neutron is a composition of a positron $\rightarrow$ neutrino $\leftarrow$ electron association. This student really does not know enough about this Weak Nuclear Force or the Strong Nuclear Force to construct a plausible geometric relationship. However, a wise man once hinted "If you can't explain it simply, you don't understand it well enough." Perhaps we really don't understand these two forces.

Binary system: time $\leftrightarrow$ space. If we look at what human beings have done with a binary system 1,0 for our information storage retrieval and interaction for our programming, inner computations and our smart phones it's clear that if we can do that with a binary, 1 $\leftrightarrow$ 0 equated to electron flow and non-electron flow, systems of ones and zeros then using space and time as a binary system Primal Will can create a much more complex reality, including a universe and life.

$$E = MC^2 = M \cdot (\Delta \text{space} / \Delta \text{time})^2 \Rightarrow$$



$$M \cdot \Delta \text{space}^2 = E \cdot \Delta \text{time}^2$$

Binary relationship equating
time and space.
Arche electron = Arche positron
Mass (Being) • Surface as space =
Energy(becoming) • Surface as time

As this student reads current quantum perception of electric fields and circuits, a relationship between electrons and holes as where the field, or electron is not, it would be reasonable to perceive that dialogue is the same genre, type, of dialogue that can serve what as has just been presented. At the arena and domain of the Alif boundary, space is a hole as an potential for particle to be, time is a hole as an indeterminate opportunity for space to be, meaning is a hole an opportunity for constancy of time to be, purpose is a hole, a possibility for divine meaning to be. Primal Will creates purpose, we choose to recognize or not.

The most important take home message about this model presented of the Alif boundary is the Primal Will is the cause of vectoring. The Primal Will the cause of purpose. Purpose causes vectoring not time, not space. Primal Will itself is the unification. First Cause is First Cause, that which maintains the laws of the universe, the laws of physics.

As this student understands, this paradigm proposal does not negate any of Newton, Lorenz/ Minkowski, Standard Model work, or quantum physics. There is a problem with special relativity. Space-time are not mutually continuous. It is merely an effort to correlate what everyone has taught this student.

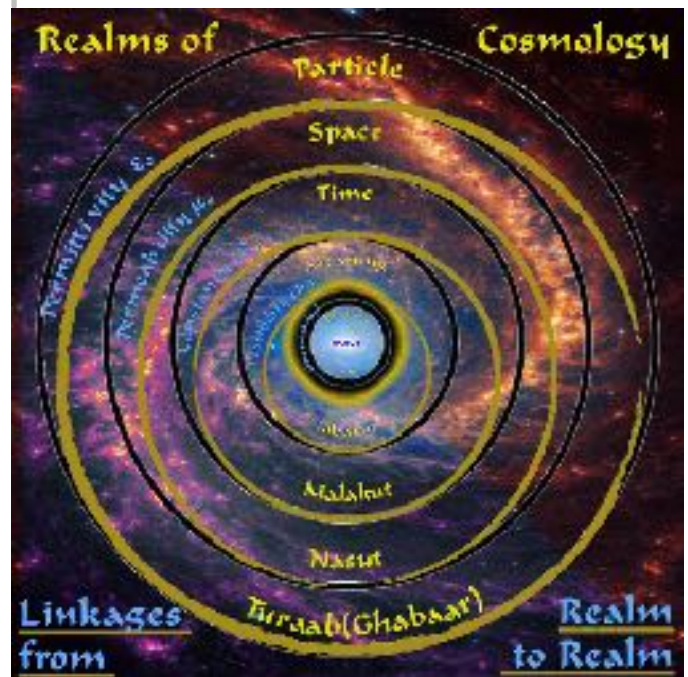
So we know that time and place are a part of this world, however, they not a part of what is referred to us as the next world, the divine world, spiritual realm. So time and place or time and space, as we perceive them, are created phenomenon that are characteristics of the material world, of the sensibly cognitive world. They are composed. They are associated to particular, material, elemental substance.

"Is there a unified field theory in the Baha'i writings?" Questions are always more powerful than any answer. This student's answer is Primal Will, is First Cause, is the Unity Field, is the time⇌space continuum.

Cosmology Framework

particle derived of space;
space derived of time;
time derived of meaning;
meaning derived of purpose;

purpose derived of Primal Will.



Paul Dirac suggested that if you have two forms of equation, you should pick the more beautiful one. Looking out in the night sky causes us to consider the relationships of hierarchy, therefore a framework of space and time. The night sky is the more beautiful form to equate Primal Will.

So in simplicity, the best evidence that space is radiated by negatively charged particles is the observation that the universe is expanding. This does not negate the Big Bang theory, how ... ever, is what it does is support just the very simple idea of the Hubble constant that matter is radiating space. Both perspectives are valid. Space is radiating from matter creating the appearance of the expansion of the universe. The universe is expanding and following that logic comes down to a singular event. That Creation has Original source. The irony is that this shows that human conscious when it examines reality is indecisive as to what reality is except, and unless it looks through the eye of the Manifestation. As Einstein instructed us you can have different frames of reference to perceive what is occurring. At this time, the eye of the Manifestation says that consensus and unity among scientists is more important than the actual perspective being righteous and true. Socrates made the statement unity is the greatest good and discord the greatest evil that still rings true through all the religions through all the science through all the civilization through all human understanding. How ... ever, one day scientist will recognize the source of the unity is in fact, the Manifestation who calls us all to be one people and to think similar

thoughts that we may communicate with one another.

Thank you Stephen L., Vahid, Steven, Gerhard, Stephen F., Robert, and those past and passed teachers.

Elderly Baha'i student,
Clyde Arthur Keys

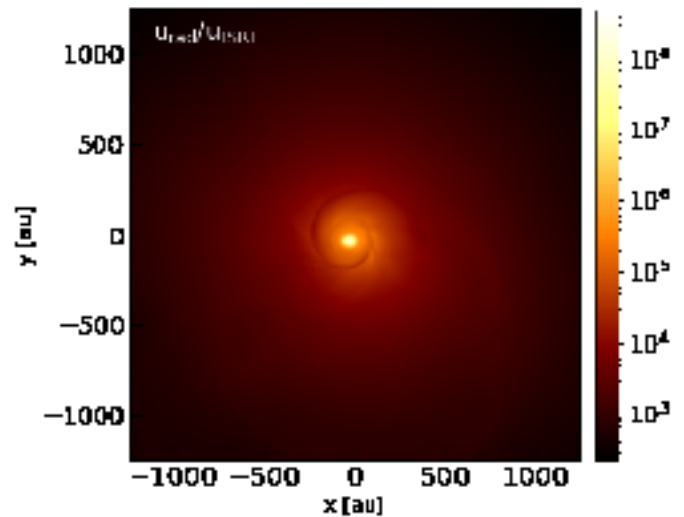
Vahid (Persian) is derived from Al'Wahid الواحد (Arabic) The One.

Origin for concept of separation space and time:
I testify that no sooner had the First Word proceeded, through the potency of Thy will and purpose, out of His mouth, and the First Call gone forth from His lips than the whole creation was revolutionized, and all that are in the heavens and all that are on earth were stirred to the depths. Through that Word the realities of all created things were shaken, were divided, separated, scattered, combined and reunited, disclosing, in both the contingent world and the heavenly kingdom, entities of a new creation, and revealing, in the unseen realms, the signs and tokens of Thy unity and oneness. Through that Call Thou didst announce unto all Thy servants the advent of Thy most great Revelation and the appearance of Thy most perfect Cause. ~Baha'u'llah, Prayers and Meditations, p 295 This quote was a kernel, as in Chaos Theory, that was planted in the mind of this student 50 years ago. It germinated the understanding that space and time are separate. Which we cannot perceive except through the mind. Once we understand, they are separate qualitum. It is appropriate to reunite them as this tablet describes, a continuum by Primal Will.

The first most important reality of causality is the Cause of God that teaches humans how to become the best they can be as the purpose they were created. The secondary reality of causality is what we search for in physics, the causes of natural phenomenon.

For the Kingdom of God is sanctified (or free) from time and place; it is another world and another universe. But the holy souls are promised the gift of intercession. And know thou for a certainty, that in the divine worlds, the spiritual beloved ones (believers) will recognize each other, and will seek union (with each other), but a spiritual union. Likewise, a love that one may have entertained for any one will not be forgotten in the world of the Kingdom. Likewise, thou wilt not forget (there) the life that thou hast had in the material world.
‘Abdu’l-Bahá, Tablets of ‘Abdu’l-Bahá v1, p. 205-206

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Dialogue with AI:

Clyde: Ahmad, historically, has anyone proposed that space is an emission, radiation, or expression by a sub atomic particle?

Ahmad: "There have been various theories and proposals throughout history regarding the nature of space. Some concepts that might be related to your question include:

- *Emanation theories*: In ancient and medieval philosophies, some thinkers proposed that space or matter emanated from a divine source or fundamental substance.
- *Aether theories*: Historically, the aether was a hypothetical substance thought to be a fundamental element or field that permeated space and facilitated the propagation of forces like light and gravity.
- *Quantum field theories*: In modern physics, theories like quantum electrodynamics (QED) and the Standard Model describe space as filled with fields that give rise to particles and forces.

Regarding space being emitted by subatomic particles, there isn't a direct historical precedent. However, some concepts in modern physics might be tangentially related:

- *Virtual particles*: In quantum field theory, virtual particles are "off-shell" particles that can be thought of as being "emitted" and "absorbed" by other particles, influencing forces and interactions.
- *Quantum foam*: This concept describes the hypothetical "bubbly" nature of spacetime at the quantum level, where spacetime is constantly fluctuating due to virtual particles and energy fluctuations.

These ideas might not exactly fit your question, but they represent some of the ways physicists and philosophers have thought about space and its relationship to matter and energy."~ Ahmad

Clyde to ego: The idea of Vahid Hypothesis is not an original idea! It is verifiable that you have never had an original idea.

Emanationism

Mode by which all things are derived from the first reality, or principle

For other uses, see Emanation (disambiguation).

Emanationism is a speculative theory in the cosmology or cosmogony of certain religious and philosophical systems, that posits the concept of **emanation**. According to this theory, emanation, from the Latin **emanare** meaning "to flow from" or "to pour forth or out of", is the mode by which all existing things are derived from a 'first reality', or first principle. In the emanationist concept all things are derived from this first reality or perfect God, by consecutive steps of degradation, to a lower degree of this first reality or God: at every consecutive step the emanating beings are less pure, less perfect, less divine. Emanationism posits a transcendent principle from which everything is derived, as opposed to creationism, that considers the universe to be created by a sentient God who is separate from creation, and to materialism, which posits no underlying subjective and/or ontological nature behind phenomena, all phenomena being considered immanent.

From Stephen Lambden's discussion on the Tablet of Ultimate Reality this reference to a Shia Islam tradition regarding the outer reality and the inner reality of truth and the association of the inner reality to the outer reality of truth is symmetry that is manifested by the Arche electron and Arche positron. As student physicists, we examine nature. There is the reality of their inner meaning that nature is teaching us, and there's the outer meaning of what Nature is teaching us. When we step into and mentally examine the particles that are nuclear, we are stepping into the inner realm. Translating that to the outer world in which we live in is not imaginary; we do so. Stepping into the divine teachings and examining for the inner meaning, and then we turn and apply these to our physical lives is the same process.

According to various traditions related from the twelfth Imam the Shi'i religious amr, "Cause" or phenomenon is itself an expression of al-haqq :

They [the Imams] do furthermore say:

"Our Cause (amr) is Reality-the Truth (al-haqq), the reality of Reality-the Truth (haqq al-haqq). It is exterior Reality and interior Reality (zāhir wa bāṭin) as well as the interior Reality of the exterior Reality (bāṭin al-zāhir) and the interior Reality of the interior Reality (bāṭin al-bāṭin). It is the mystery (al-sirr) and the mystery of the mystery (sirr al-sirr), the very mystery of the secreted mystery (al-sirr al-mustansirr) and a mystery veiled up in mystery (sirr muqanna' bi'l-sirr)" (cited al-Ahsa'i, Risala fi jawan Shahzadeh Muhammad Mirza, in M-Rasa'il 30: 269).

*The Hungarian-American physicist Eugene Wigner in 1961 proposed the mental experiment of Wigner's Friend. Wigner did not grasp the profundity of his mental experiment. Wigner's Friend who was observing the experiment and causing the collapse of the equation was actually the All Seeing Eye, Primal Will. So Wigner concluded that he was observing the experiment and his observer Friend. How ... ever, his observation was uncollapsing because he did not record the collapse of the equation; he did not measure the result of the experiment, but the experiment had a result. His mental experiment is actually a profound indication that the Creator is the observer of all. Human minds cannot observe the entire universe. So the quantum physics that proposes observation is the cause of the collapse of the equation is true. It is a proof of God. However, its value and relevancy is vaporized compared to the Manifestation whose personhood and revelation is proof of God.