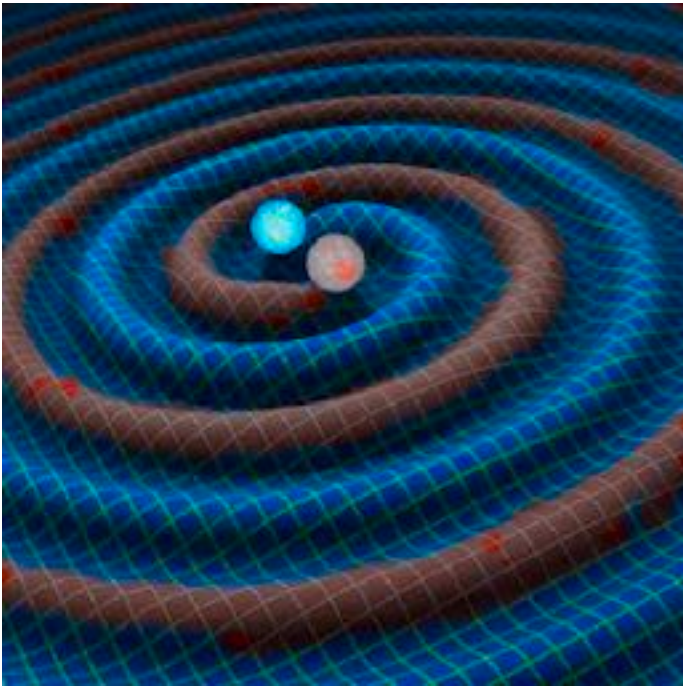


6) The Gravity of Time, The Gravity of Space, Motion Manifests Gravity



Mea culpa, no other or institution is accountable for this student work. Medium? Is the purpose of writing thoughts to convey to others or to understand one's thoughts? The thoughts written, are a testimony as to their intention.

Why remain despondent when the Pure and Hidden One hath appeared unveiled amongst you? He Who is both the Beginning and the End, He Who is both Stillness and Motion, is now manifest before your eyes. Behold how, in this Day, the Beginning is reflected in the End, how out of Stillness Motion hath been engendered. This motion hath been generated by the potent energies which the words of the Almighty have released throughout the entire creation. Whoso hath been quickened by its vitalizing power, will find himself impelled to attain the court of the Beloved. ~Bahá'u'lláh

The image above of two particles of red positron+ and blue electron- generate a binary spiral field.

Spiral field, not merely of positive and negative electric fields, but spiral field of time and space. On the human sensory level, we experience these binary complementarity realities together. We see movement. At the limits of our measurements, they are separate realities, even though we use computations to suggest they are singularity, time-space. This article examines that complementarity is that a particle cannot exist in space and a time simultaneously. As a particle passes from space into time and returns again, it creates a wave as it penetrate the boundary.

Causality is the object of study for physics. Causality is the object of study for religion. First Cause, Primal Will, is the cause of all both the natural forces of the universe and the divine forces of revelation. When Primal Will speaks as the Manifestation, It speaks literally, figuratively, symbolically, rationally, mystically. For it to have scientific authority is all that is necessary is for the scientists to recognize by consensus the Authority?

Some defined the difference between faith and trust. Faith represents confidence in the outcome lacking experience. Trust being defined as confidence that by previous experience that the outcome will continue to be as expected. Humanity on a personal or collective level continues to be surprised that the outcome can differ from what we expect.

Arche electron- and the Arche proton+ (not positron+) are derivatives of the same reality. How do we know this? Because the *sina qua non* of an electron and a proton is charge. Charge is the essential property. Mass and size are accidental properties, composites of spatial and temporal boundary relations and motion. We can recognize a chair by its "chairness" not by its size and color. This is an extension that physical reality as we cognize actually comes from the essential reality, the approximation of the Socratic forms, the essential is the reality manifesting to what comes as phenomenon. Thank you Plotinus.

It is beyond coincidence that electrons and protons have the same exact quantity of charge out to an unlimited number of decimal figures. Since physics recognizes probability as being an expression of a proof of reality, then certainly the improbability that an electron has the exact same charge as does a proton accidentally rather than essentially proves this logical sameness or two sides, two perspectives, of the same particle. Restated, probability proves it is the same Arche particle manifesting differently. Unless probability is no longer a valid proof. In such a case, reading these

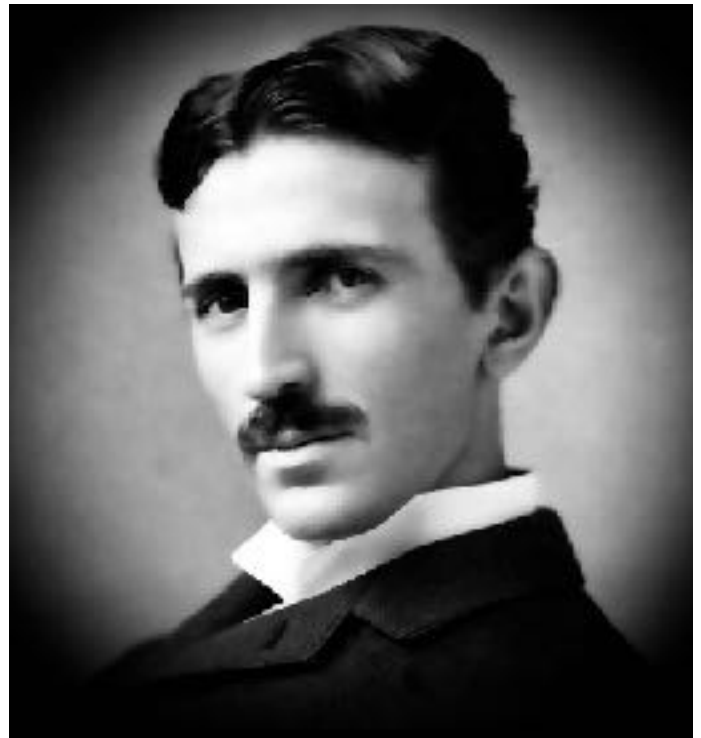
words is merely a dream you are probably not having.

We do need to understand this meaning - Oneness. Unity is the most prominent expression in the handiwork of the Creator. It could be considered His stamp or signature of authentication on His work. Looking at science with the perspective of oneness also creates a clearer vision.

It is of note that the charge of the Arche electron is separated from its inner reality a positron, by space/ time boundary. The charge of Arche proton is separated from its inner reality anti-proton, by time/ space boundary. The fold (wrinkle) in space between the two aspects of negative charges of the Arche electron and Anti-Proton creates spacial gravity which is limited by time and its properties since it is not contained in time. The rift in time between the two aspects of positive charge of the Arche proton and Arche positron creates temporal gravity. Temporal gravity rate of propagation is not limited. Temporal gravity propagation therefore would be instantaneous just Isaac Newton proposed. Spatial gravity propagates at the speed of light just as Albert Einstein proposed.

It's clear that information has to be transferred at some level instantaneously for observations of human experience to be consistent that of physics. Humans can experience nonphysical phenomenon instantaneously. Entanglement is.

One of the most remarkable simple proofs that motion manifests gravity is to look at the old black-and-white films of a BEC (Bose Einstein Condensate) solution on YouTube climbing out of the cup that contains it. The effect of gravity on the solution is diminished. Another lover of physics had the wonderful insight expressing that surface tension, like the capillary or meniscus effect, can pull the BEC out of the cup (since its response to the spacial gravity field is less).



Nikola Tesla, The Dynamic Theory of Gravity

The explanation that the solution is at its lowest quantum energy state and therefore capillary action, surface tension, is dominant is certainly not comprehensible to most of humanity. There are a few physicists, who feel that that is a clear explanation. But Nikola Tesla could easily translate that to the decreased motion, the particles of the BEC solution are moving less, and therefore, they are not manifesting the effects of gravity. The motion that is diminished likely is the relational motion or spin, since the essential spin is the expression of unity of the particle as itself. The relational spin distinguishes one particle relation to/ from another, the simplest sign of diversity, from the one many. (essential+relational = "intrinsic")

Essential spin is by far the most dynamic aspect of any of the particles that make up the universe. It is the most basic expression by the Creator as physicality. It defines the distinction of the existence of a thing manifesting the One, its essence. "A voice from the inner most shrine, thus far and no farther." There are boundaries and limits. Re-cognition of those boundaries and limits is the basis of physics itself. However, underneath, posterior to, prior to, relational spin is essential spin, just as Carlo Ravelli suggested. The separate things are associated by relational spin; the essence, the "soul", of a thing is manifest as its relations, as described in

8)Tetrahedron of Being. Individualization of particles is the balanced by the law of relational unity and oneness. An entity has to be what it essentially is before other entities can have a relationship to it. This pattern is apparent all the way

up through the sub-atomic particles, composition and compounding of the molecular chemical realm, through the society of ants, all the way up through the society of men and all the way through the divine worlds. **By the One many, of the many One.** Bahá'u'lláh, the Báb and `Abdu'l-Bahá repeatedly emphasize that unity is the underlying principle of the creation, of reality and relationships, it is the principle of oneness. This is also clearly stated in the Emerald Tablet as the fundamental reality of the universe, and existence. The individuation of a thing, the essence of a thing, of a particle, is a reflection of the oneness of the Creator as the one individual thing created. The relationships of the individuals to each other, again, is secondary as an expression of the oneness, the unity of the Creator. There are philosophers who do not like circular logic and identify it, unaware that their own logic is circular. It cannot be anything else as it is bounded, tethered like a tether ball, by their understanding. The law of cause-and-effect is related as circular. It necessarily follows that you identify the Primal Point in that circle law as the Source, the Origin, First Cause, Primal Will.

And this is why, as the temperature drops down to near 0° K that the particles begin to show less relational individualism, relational spin, and its manifestation as gravity, and start to show collective singularity, unity, as the behavior or reality of the condensate. If the reverse was true, then the theory that entropy is the driving force of time will be justified. The cohesion of the particles to the sidewalls as the surface tension, the capillary effect, shows at the underline law of the universe is attraction, unity, not entropy. Entropy and its final analysis by the BEC solution proves unity of self, ipseity is anterior to entropy. Love and attraction are the foundation of existence. The driving force of time is meaning, the driving force of meaning is purpose. It is the vector, not entropy; the driving force of the creation is the Primal Will, manifest as time as a derivative of divine purpose. Divine purpose to manifest the unity of the Creator. Underneath the principle of time and space, there is the reality of singularity and oneness. As space is a derivative of time. There is still an essential property of existence in manifesting the singularity of the Creator at each progressive, higher expression.

Humanity is investing, a great deal of resources finances into particle accelerators. If you measure with particles you get particles. And as we continue to get higher and higher and higher energy particle accelerators, we're going to get more and more information about particular behavior. And will finally come to the conclusion that the physical world is a composite of composites of composites of...

`Abdu'l-Bahá told us in very simple terms, the physical world and everything in it is composite.

So it is reasonable to work with the particle that we say is foundational as elementary particle and that's the electron, the Arche electron. John Archibald Wheeler proposal that there's a single electron is more illuminating than stacking, sorting and categorizing all the other subatomic particles that we juggle.

The neutrino has a wobble of its axis so we are looking for the particle that causes the wobble? If we measure with particles, we find particles.

To understand, the cause of gravity is necessary to understand Conscious as a verb, the reflected vectored active force, and conscious as a noun, the vector-able recipient. There are five phenomenal levels of consciousness that we encounter described by `Abdu'l-Bahá.

Mineral Conscious

Plant Conscious

Animal Conscious

Human Conscious

Manifestation Conscious

Conscious as vector has intention and intensity, an expression of spirit. Understanding that the Arche electron is seeking its other aspect of itself, the Arche positron, is an expression, a response, of the divine command to *Know Thy Self*. Conscious is *stimulus* $\Rightarrow$ *response*. The boundary between time

and space, the boundary between the electron and the positron, that separation is the attractive force manifest by the divine command above, *Know thy Self*. Space is seeking time. Electron seeking positron. Time is the origin and creator of space as discussed in earlier writings. It is the attraction between child to parent. Space is seeking its creator. Space is seeking that which is derived from. This is the cause of spacial gravity. The cause of temporal gravity is symmetric. Time is the derivative of meaning. We fundamentally associate time to meaning. Whether by measurement of time, or anticipating the meaning of time passing.

It is the same attraction between parent to child. The powerful tool presented to a human being to know thy self is to have children. They will teach you who you are. It is reflected symmetrically when you find that your behaviors and understanding of the world are derived of your parents and your affection for them. These laws are real aspects of physics and of religion. There is a boundary between space and time, between electron and positron, between parent and child, writer and reader, between Manifestation and believer. The law of love is another aspect of these cross boundary

attractions such as Creator $\Leftrightarrow$ creature. As John Hatcher understands `Abdu'l-Bahá's teachings that love is the organizer, organizing principal or organizing law of creation.

The field intensity of movement, of relational to essential spin, is related to the size of field of particular motion. That is the separation of the external charge and internal charge and their intensity of movement, involuting and ex-voluting, essential spin, balanced to relational spin determines spacial-temporal presence of an object with inertia and gravity behavior. The balance of discrepancy or inconsistency in relational and essential spin being synchronized, maybe translated to energy states of the particle. This same relation limit is manifest from particular heat, thank you Ludwig. This conveys size matters because matter, as mass, as energy, has spacial and temporal presence. Nikola Tesla's, Dynamic Theory of Gravity, that motion manifests gravity as relational spin. The single problem for Tesla's theory was he could not explain why things did not weigh more when they were heated. Heat is an increase of vibratory, linear motion of the atom or molecules and is relatively negligible compared to intensity of relational spin or essential spin, but measurable. We know this because the BEC solution weighs less than pre-condensate weighs.

The apparent explanation is that when something is heated from 100° or 600° C, the relative change of relational motion is negligible compared to when a compound is cooled to 1 or 2° Kelvin, as with in the BEC solution. The relative difference of relational spin or motion from 1° to 3° K is huge compared to 375°K increased to 975°K increasing linear molecular/atom motion. But if you like the words "lowest quantum state", use those terms. But in all humility it is good to identify that quanta requires boundaries, containers, to create the reality of quanta. Quantum Mechanics has not defined what the boundaries of time and space are. If we are to measure something, quanta, we must clearly understand and define what it is we measure and what it's boundaries are.

We have favorite words. Quantum is currently a very favorite word. Robert Pirsig and Mondragon & Lopez pointed out that we need to refocus, balance quantum with qualium, balance particle in space in time with its meaning and purpose. Balance universals to particulars as `Abdu'l-Bahá indicated. Nature, physics, insists on balance, let us do so.

Advertisement for Medium blog site by gratitude: Medium, it is **balance**, the core law of physics. Balance of individuation to relation as unity.

By perceiving the contrast of essential spin to the relational spin the Arche Electron is key to understanding gravity, both types.

As student's repetition facilitated learning.

"Why remain despondent when the Pure and Hidden One hath appeared unveiled amongst you? He Who is both the Beginning and the End, He Who is both Stillness and Motion, is now manifest before your eyes. Behold how, in this Day, the Beginning is reflected in the End, how out of Stillness Motion hath been engendered. This motion hath been generated by the potent energies which the words of the Almighty have released throughout the entire creation. Whoso hath been quickened by its vitalizing power, will find himself impelled to attain the court of the Beloved. ~Bahá'u'lláh

The metaphorical meaning regarding, related to, the Manifestation is always the beloved, powerful, transmuting meaning. Then we transform to analogy. The literal meaning can be taken after you have implanted the metaphorical meaning in your heart. There are another 70 meanings.

Those who sacrificed their lives for a worthy cause are not forgotten. Their sacrifice brings in from the unknown 40 previous unknown mysteries. Like fisherwomen, they haul in the hour, the meanings unknown to mankind. The women, now, of Iran reel in by their sacrifice, living and dying as martyrs to all of mankind these meanings never before seen by our minds. Is where thoughts come from? This is the reward of a selfless martyr.

They who blow themselves and others up are confused and like fruitless trees serve as firewood warning us "Be not confused."

Ludwig Boltzmann gave his life to bring the understanding of atoms to us. We honor him. Albert Einstein stood under this. Albert Einstein sacrificed his privacy and time to think to bring his thoughts to us. We honor him.

Physics has martyrs. We need the Manifestations for balance. We need some handhold. Otherwise, it is overwhelming to examine the sacrifices of our forefathers made to bring us to this moment, our knees would give way, and we could not carry on.

The reality of the positive charge and the negative charge that is associated by Alif is also separated by Alif. This boundary, is the necessary separation of a reality from itself. What we called charge, the attraction of the negative for the positive, is actually

a thing separated from itself. And this law of attraction comes from the very real and also mystical statement that "Love is but a veil between the loved one and the lover, more than this I dare not tell." ~Bahá'u'lláh.

To truly understand quantum, we must understand the boundaries that create separate quantum. Boundaries and borders are key. Very much like the Greek keys. Our mind is attracted to them, because they hold deeper meaning.

A reality, separated from itself, seeks itself. This is one of the substantial laws of the Creator. This is one of the meanings of the law of love. That is why we as human beings are so attracted to understanding who we are. The days we spent here under the sun, we were separated from our true selves by time. In the other worlds, we may be separated by meaning, or by purpose. That is how we interpret the meaning of our life may not be the true one, not aligned with our true purpose. And that is our intentions may not be in line with, parallel to our true purpose. Therefore, in the next life, we would not be separated from our soul by space and time as in this world, but separated by meaning and purpose.

So using the mirror of physics, the electron is half the electric dipole and seeks itself as the positron. That is the cause of electric field attraction. Separation by space and time boundary, the Alif boundary. The Arche electron is whole with its balance the Arche positron. Dancing the cosmic dance joyfully, thank you Steven Phelps.

The (+) Arche proton (not positron) is half of another electric dipole and seeks itself as the internal (-) anti-proton. The Arche proton contains its complement and complementarity reality as does the Arche electron. That is the cause of electric field of attraction. Separation by the Alif boundary. The Arche proton contains the Arche electron once ("externally") removed, as as this student contains his teacher once removed. Thank you Arthur Tave.

It is interesting, that humanity perceives an electric monopole. There is some odd synchronicity that is occurring in that our consciousness is synchronized with the negative charge. And we perceive the negative charge as the manifestation of the Arche electron. Yet a positive charge of the Arche positron occurs in balance, but we don't perceive or measure them as frequently, in the same way we do the Arche electron. Perhaps, we see charge in space with two eyes, but to see charge in time we need another view. To see another view may require we come out of now, self, what we know, what we prefer. Dr. Paul Dirac's proposed that if we found a

magnetic monopole that would be an indication that space is quantized. Space is quantized in relation to time. There is no magnetic monopole because there is no electric monopole. The separation between the Arche electron out of space and the Arche positron out of time, just as the separation between the north pole in the south pole of the magnetic field is in space. We can see things separated in space easily compared to separated in time. But the synchronicity conveys something substantial that one day we will understand. Quantum machinists have not yet grasped magnetism because permeability is a characteristic of time, not space. Permittivity a character of space not time. Magnetic poles ironically are separated spatially to monopoles. Electric poles separated temporally to monopoles, as symmetrical relation.

The separation between space and time is a half twist, half spin, space is a derivative of time. Permittivity and permeability, by grace, mercy, tolerance, forgiveness span that half twist. Just as we do when we see ourselves in another, the golden transmutation of just a half twist. The attraction is love; it is electrical with a half twist. The proton sees the electron as its essential self with a half twist, once removed. Charge matters. As above so below. The powerful dramatic eye catching event of lightning shows the importance of a thing attracted to itself.

So one of the critical student techniques is repetition. "Love is but a veil between the loved one and the lover, more than this I dare not tell." ~Bahá'u'lláh. To understand gravity is to understand the boundary between the dipole electric that is the separated. It is proposed that that boundary is where here the mass of the particle occurs. So the separation of electron from the positron, necessarily involves energy. Energy, as we understand in this age, necessarily expresses a relative quantity of mass. so in the standard model that is conveyed as reference, the mass of an object is now conveyed in Mega-electron Volts/ C^2 . The mass of an electron is conveyed as energy equivalence $\approx 0.511 \text{ MeV}/C^2$. So in the quote above, the "veil" as the boundary actually is love. The separation of charges is essential physical mass, presence in the physical realm. The boundary is the foundational dual gravitational attraction, and electrical attractive forces of the universe. This student does not understand the standard model adequately to explain its relationship to this boundary. Based on the boundary, reality is attracted to itself as a boundary in another particle. So it is as Abdul Baha says gravity, the attraction between the planets is love. The attraction between the particles is love and the attraction between the student and the Teacher is love. Each entity is seeking to have

connection with its true self that appears to be separated from. Possibly separated by time, possibly separated by space, possibly separated by meaning, possibly separated by purpose. The reality of possibility being a field property is explored elsewhere. All realities in the physical world, and in the other worlds are structures based on boundaries. This is true of physics. This is true of religion. This is true of all sciences. "Sorting each thing to its kind", as in chemistry, as in biology, essence, psychology, as in mathematics.

The boundary as the Command of the Creator, as the Law of Physics is love. `Abdu'l-Bahá indicates there are four kinds of love,

- 1) love of God for God,
- 2) love of God for creation
- 3) love of creation for God
- 4) love the creation for creation.

So the love as the law, the boundary is the first type, love of God for the Identity of God defined by His Commands. Gravity reflects analogously as the love of God for the Identity of God.

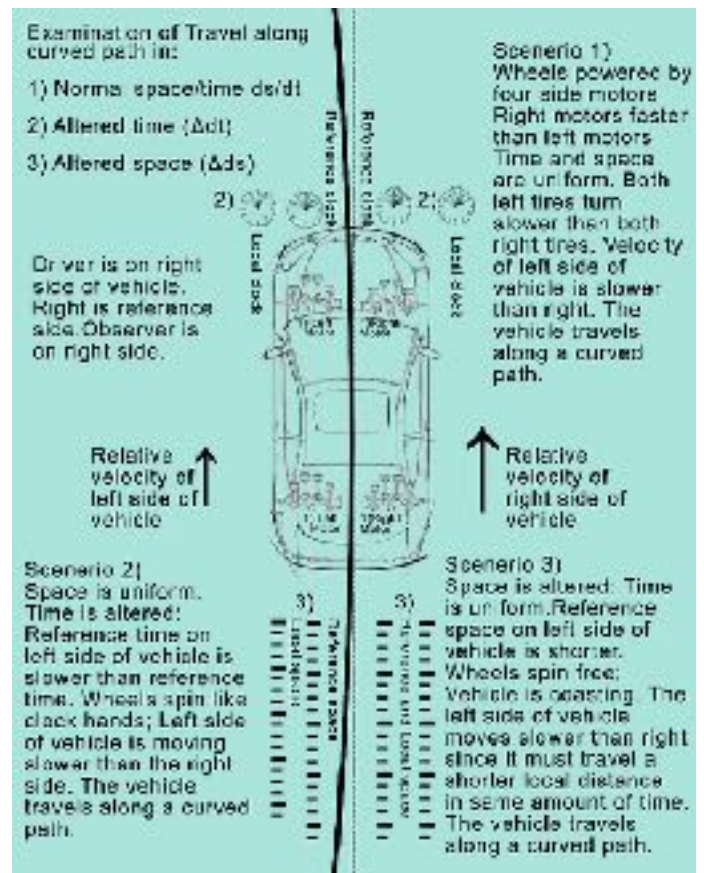
The mass of the Arche proton is the energy of its outer (+) charge separated from itself, its inner (-) Arche anti-proton charge by Alif, time/space. The separation, "thickness" of the Alif boundary is relative and its size to that of the Arche electron likely differentiates the quantum of mass between the two particles. This quantity is also related to its surface area (size) creating the characteristic of mass attraction by distortion of space, spatial gravity and distortion of time.

The mass (energy) of the Arche electron is the energy of its outer (-) charge separated from itself, its inner (+) charge by time. (It is also separated from its other self as "other" electrons in space.) The relative separation, spacial/temporal "thickness" of the Alif boundary. This quantity is also related to its surface area creating the characteristic of mass associated attraction by distortion of space/time, spacial/temporal gravity.

There are two types of gravity, temporal distortion and spatial distortion. Space and time must be separated to understand gravity. However, the Dynamic Theory of Gravity says motion is required to manifest the field. So an examination of the most common experience the human being has at this time of motion, travel by car, would translate well.

Image A - Car 3 various scenarios:

- 1) no horizontal gravity field
 - 2) temporal horizontal gravity field,
 - 3) spatial horizontal gravity field,
- all follow a curved path.



Just rotate the image 90° counter clockwise and the travel as a car in orbit is visualized, like a satellite. Who would actually put a car in orbit? Perhaps someone who's unconscious was connected to others' unconscious.

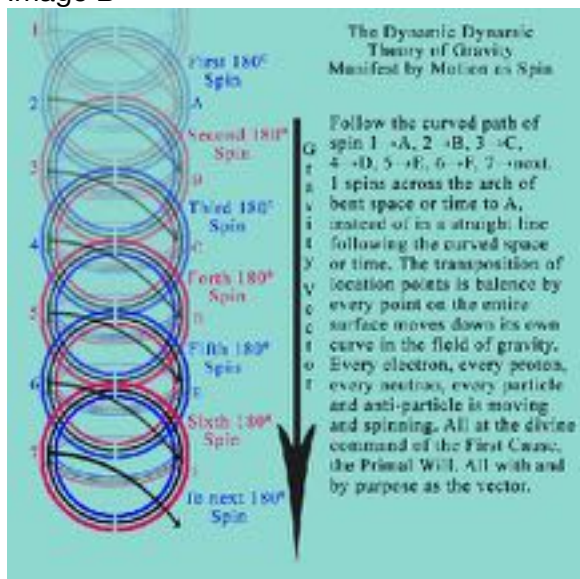
So what's the good to understand that there are two types of gravity, spatial gravity and temporal gravity? Well one of the most reasonable applications would be to recognize that the gravity of dark matter is temporal. What has been identified as past matter is actually dark matter. That's why we cannot measure it in our current moment of now and it's not responsive to electromagnetic interaction. It is not time $\Leftrightarrow$ space linked. But it has a temporal gravitational pull just not spatial attraction. Because with temporal gravity is there in a placelessness state since it is a disturbance in temporal field. So it's not a matter of spatial location for its occurrence. It just occurs for all places. but it's not present here or specifically spatially located with a specific mass. So therefore the temporal gravity is producing the effect that we observe, as slowing down the expansion of the universe by the dark matter and its "dark" property because we cannot experience in this space. It is in time just not here now. Primal Will is not limited by temporal sequence or spatial location.

Dark energy? The particular universe is expanding at an increasing rate, not consistent with our calculations. There fore dark energy is the temporal balance for dark matter. It is in the future calling the universe to be. Primal Will is not limited by temporal sequence or spatial location. This question requires additional exploration as discussed in **36) Dark Matter and Energy** which conveys how two types of gravity resolves this conundrum.

So a very simple procedure in your imagination to understand the Dynamic Theory of Gravity. Imagine instead of an car, just a point vibrating from side to side that is in a gravity field of either distorted time or distorted space. And as that point vibrates from side to side, like the car is going to go in a curved path each pass, each side it goes to, then side to side, and this causes it to move down the direction of the gravity field. When you consider that an electron is spinning, which is the equivalence of vibrating in that, anteriorly, left side goes to the right and, posteriorly, the right side goes to the left. This motion occurs as if it is like a balanced vibration and the mass moves down the gravity field as in Image B. This is because the particle itself is in motion, and if it moves in a gravity field it moves in the direction of the gravity the field. This is the cause of the manifestation of gravity - motion. Motion is the cause of inertia as previously explored - it is the mass - it is the Primal Will interacting with itself as time anterior to itself space.

This image indicates front of the particle rotating motion to the right and consequential motion with the gravity field. The symmetric reverse rotating motion to left on the back side with its consequential motion with the gravity field is not shown for simplification of the image.

Image B



This image shows motion has rotational relational spin. The same principle and mechanism applies to the essential spin although the dynamics and appearance of the essential spin are different. It's easier to show by image effects of gravity on rotational relational spin.

Who would think of putting a car in orbit? Someone who understands the importance of symbols, especially familiar symbols. However, what a car in orbit conveys is limited and not nearly as profound as the thought of what else could be put in the heavens to convey meaning. You could start off with a huge spherical ball of light. A sphere of light would be symbolic of oneness, symbolic of truth, of consciousness, of illumination, of guidance, and that could draw attention to the concept of a Manifestation of these realities. Then to make this symbolic system even more interesting, is to make a second large sphere that orbit the first sphere and put a collection of a sentient beings are conscious of their own conscious, to observe the light emanating to them, and teach them how to understand relationships in the universe. Then about every thousand years send a Manifestation, a being hidden among the others differentiated only by every deed and every word always balanced and true. Then you could even make another third, not so large, sphere, and have that sphere orbit around the second sphere where the conscious beings are, such that the third sphere would always and forever keeps the same surface facing the second sphere that is home to the conscious beings. But this would cause the third sphere to have shadows come and go across it as it orbit around the second sphere. These shifting light phases would signal change on a face that never changes. Wow, what a symbol for meaning, simultaneously unchanging and changing, Parmenides' and Heraclitus' perspectives unified.

A manifest meaning hidden within itself. Time passing on the face of eternity. This will make those conscious beings ask questions about what time really is. What is the meaning of the Sun of Truth our father? How is the moon, the symbol of time, our mother? So you could manifest light to conscious. You could manifest time as a progression of events to these conscious beings observing, and then all of this is happening in the vast expanse of space, a symbol of no-thing-ness, to show the balance between all meaning, symbolism, contrasted to no-thing-ness... Nah, it would be easier just to put a car in orbit.

Back on track. The car example conveys a curved path by altered time or altered space. There is a principle that if a reality is possible, if there is capacity, then it occurs. Humanity has proven

spatial distortion as a gravity wave propagates at C, the speed of light, by the LIGO instruments. The temporal distortion as gravity is another reality. This is the relation manifest by entanglement as a motion or linkage that transcends temporal location. Instantaneous. What is more, measurement of separate causes of spacial gravity and temporal gravity is problematic because even using solar celestial events the point of measurement has to be separated in time and in space to demonstrate the different propagations. This will require a very vast separation because of the throttled speed of light in space is so rapid. Using extra galactic events the separation in time between the two gravity wave arrivals is immense. Much larger than human or civilization life spans. But if our sun, which is close enough, collapses to a black hole, we could measure the arrivals and speed of the two different gravity waves, right? This provokes a question, would we rather be existent in the field of truth and accept an unprovable premise or be proven right and be no more?

We are in a truly strange time. We are willing to consider an invisible undetectable massive mindless dark energy and a purposeless gravitational obscure dark matter is holding realities together, holding the universe together as a rational scientific concept. And yet to consider the Primal Will as an agent of the Loving, Omnipresent, Eternal, Omniscient, All Forgiving, All Powerful Creator, "the most manifest if the manifest and the most hidden of the hidden" is less rational? Dark energy and matter contrasted to the binary expression of the Creator's Oneness, an Agent, which surrounds us as time's and space's Boundary, may be viewed as an unreal superstitious concept from a abandoned ancient world perspective is interesting. Unknowing contrasted to knowing. Knowledge is a choice.

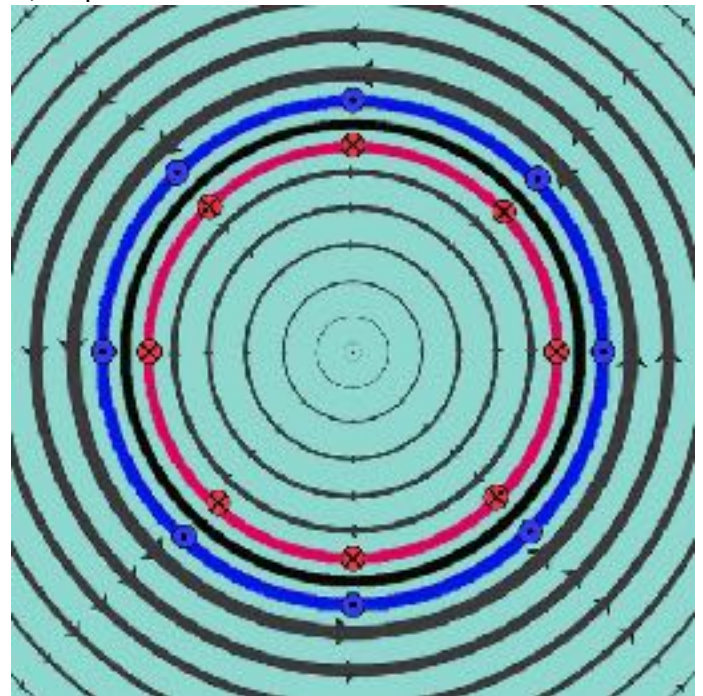
Dark matter? Unconscious matter. Not even the level of primary consciousness. Not interfaced to time. Not moving. No response to EM wave. Dark energy? The boundary between. Staring into the abyss? In fact, the structure of the universe is brilliant, graceful, unified, informative, beautiful, abiding, eternal, protective, healing, nurturing, feminine beyond measure, all one.

The magnetic field of the Arche electron is examined in Image D, a cross section at the equator. The image is derived from the previous thesis, "Information of every location in space alternates information of every instant in time". The negative electric charge spin rises out of Image D noted by circumscribed blue points. The positive electric charge penetrates into the image indicated by circumscribed red Xs. There is a magnetic flux

shear at the Alif boundary as there is a time space shear and a electric charge shear. The Alif boundary is not physical. Like entanglement it just is.

Careful examination suggests the shear of the boundary is teaching us about the impact of personal decisions. Love is a decision, a boundary. You decide you love your beloved, and that they love you. That is a covenant you make. It is a boundary. If they make the reflective decision and both hold fast to the virtues made possible, it is a cosmic dance.

Image D $\odot$ out of page $\Rightarrow \otimes$ into page, $\odot \Rightarrow \otimes \Rightarrow \odot \Rightarrow \otimes$, loop out and in 4π .



Greek numeral for 9 as theta evolved over centuries of time adopted from Phoenicians and Egyptian systems. $\otimes \Rightarrow \odot \Rightarrow \Theta \Rightarrow \theta \Rightarrow 9$.

1)Wikipedia

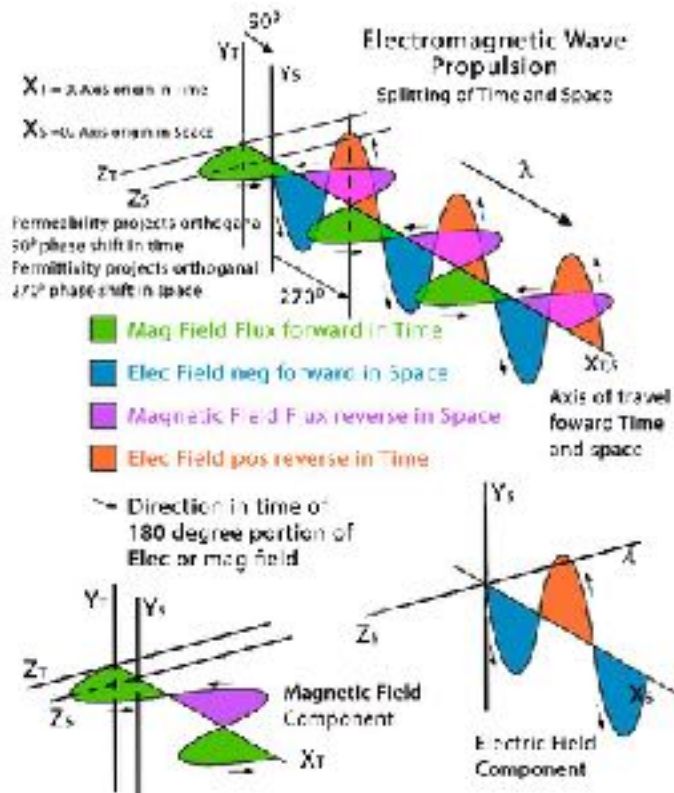
The significance of 9 is well established in the Baha'i writings.

As standard symbol of charge flow in physics $\odot \Rightarrow \otimes$, 9 out of space $\odot$, 9 in to time $\otimes$. Eighteen plus One Letters of the Living. The Primal Point, Ali Muhammad, the Báb. Baha'u'llah's Commentary the Detacheted Letters From Surah of Light provisional translation by Stephen Lambden, is the source for examination of one letter, Alif, has been effusive.

The relational spin is generated by the essential spin magnetic flux? Vahid Ranjbar re-emphasized the importance of the right hand rule from

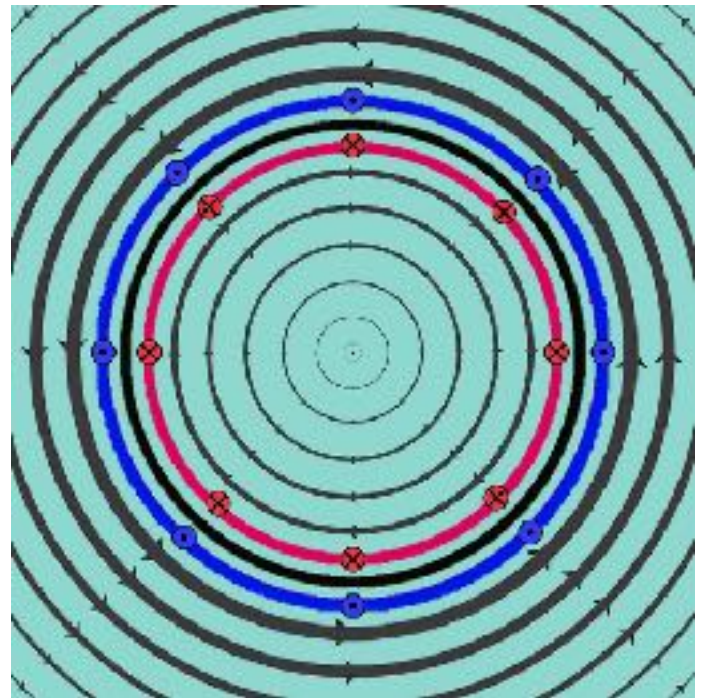
permittivity. From the propulsion of electromagnetic waves in 2) Truth $\Leftrightarrow$ Light $\Leftrightarrow$ Consciousness we know that permeability is anterior and creates with the (-)electric field with right hand rule. Consistency matters.

Image E From
2) Truth $\Leftrightarrow$ Light $\Leftrightarrow$ Consciousness



As an analogy, the linear paired axis in the light EM image above compares in function to the Arche electron the dimensional axis Alif boundary. So by anterior permeability from the positron returning by time, creates the forward negative magnetic field (green) around the Alif boundary of the Arche electron. This induces the negative external charge (blue) and flow. The negative charge flows into the north portal and induces by permittivity a reverse magnetic field inside of the Alif boundary. This causes the reverse positive charge (red) to flow to the south port. $0-\pi/2$ described. Reflection will provide the relational spin with the next $\pi/2-\pi$ phase of essential spin.

So apply this Image E sin-cos model with zero at the linear axis shape to the Arche electron model with the Alif boundary sphere shape as the zero at the spacial axis in Image D.



Further examination is required that the point of involution and ex-volution of the outer and inner charge is all points on the surface $(360^\circ)^2$ all points simultaneously. We know this: that the surface of the electron has absolutely no irregularity, no dimple, no defect. Studies at Brookhaven National Laboratory demonstrates this. This is possible because the exterior electron has space no time, therefore, multiple simultaneously locations are possible; the interior the electron has exclusive time, therefore no spatial location specifiable. Primal Will the Alif boundary is the cause of the relationship.

There is essentially a phase shift as the negative charge passes over the outer surface and involutes, it is followed by the positive charge ex-voluting and passing over the outer surface and involutes generating the field in Image D. The sequencing or timing is phase shifted by $\pi/2$ as in the cos/sin image.

In the electromagnetic wave diagram above there is a very important point, 00, 0^2 , not by not, not², Primal point. The reason that the vectors created by permeability and permittivity can reverse directions with a Möbius flip is because at the 00 point the point of nothingness there is a potential interaction that occurs throughout creation. As in zero point energy, as in the intellectual alignment of zero in time aligned with zero in space for the Einstein relativity as in Lorentz transforms. When the magnitude of a vector reaches zero, its direction is determined by the Primal Will. The direction that the universe is going, the direction our lives are going, the direction that everything is unfolding is by

Primal Will not necessarily according to the expectations of human interest. In physics, we call this the equation collapse, the transition from undetermined to determined state. This speaks to us personally; it speaks to us in our physics; and it speaks to us in our examination of religious Scripture. That when your mind is zero and heart is zero, both are open, you can understand the meaning of scripture. So when the Báb says that the heart can contain an understanding of two truths that are diametrically opposed, He is discussing the 00 point in comprehending Bahá'u'lláh's statement of how the Manifestation is and is not the essence of God. He is not the Essence of God in the divine realm, Hahut. He is the essence of God in the human realm, Jabarut. He is zero in relation to the One. He is the One in relation to us. Quanta requires container. There is no container of God. So the divine unity is transcendent of number, oddly even one. So the statement of Muhammad "There is no God but God" is true on both accounts. There is no God that human mind can comprehend. But, as in how ever God is. So the Bahá'u'lláh has stepped across this abyss, and simply stated the letters of negation no longer proceed the letters of affirmation. "He is God." **It** is what **It** is and our best conclusion cognition symbol be unity.

He is a true believer in Divine unity who, far from confusing duality with oneness, refuseth to allow any notion of multiplicity to becloud his conception of the singleness of God, who will regard the Divine Being as One Who, by His very nature, transcendeth the limitations of numbers.

The essence of belief in Divine unity consisteth in regarding Him Who is the Manifestation of God and Him Who is the invisible, the inaccessible, the unknowable Essence as one and the same. By this is meant that whatever pertaineth to the former, all His acts and doings, whatever He ordaineth or forbiddeth, should be considered, in all their aspects, and under all circumstances, and without any reservation, as identical with the Will of God Himself. This is the loftiest station to which a true believer in the unity of God can ever hope to attain. Blessed is the man that reacheth this station, and is of them that are steadfast in their belief.

-- Bahá'u'lláh

That we know nothing is our greatest wisdom. A repetition to enhance cognition.

In image D above there are dual magnetic fields of flux around the Arche electron-positron created by

the interaction of relational spin and essential spin. These are likely dynamic with the nuclear particulars as aethereal interlacing of time and space allowing those particular to be defined by their own-selves as well. A nuclear physicist, knowledgeable of spin and the standard model would do better describing those relations.

Gravity attraction, like electrical attraction, like magnetic attraction, like sexual attraction, like spiritual attraction, like mental attraction to the mystery of physics are all expressions of love. All are called to possibility of truth, life, beauty, perfection, knowledge. Yet the boundary makes it possible. The Arche electron??? It is about Arche choice??? When do you cross??? Where are you bridging??? Outside of time and space, who will you bridge to become. Hermes or another Manifestation can guide you across. They all are the first and the last. The latest, the last, has been glorious for this student.

Love is the spiritual fulfillment!

Love is the light of the Kingdom!

Love is the breath of the Holy Spirit inspired into the human spirit!

Love is the cause of the manifestation of the Truth in the phenomenal world!

Love is the necessary tie proceeding from the realities of things through divine creation!

Love is the means of the most great happiness in both the material and spiritual worlds!

Love is a light of guidance in the dark night!

Love is a bond between the Creator and the creature in the inner world!

Love is the cause of development to every enlightened man!

Love is the greatest law in this vast universe of God!

Love is the one law which causeth and controlleth order among the existing atoms!

Love is the universal magnetic power between the planets and stars shining in the lofty firmament!

Love is the cause of unfoldment to a searching mind, of the secrets deposited in the universe by the Infinite!

Love is the spirit of life in the bountiful body of the world!

Love is the cause of the civilization of nations in this mortal world!

Love is the highest honor to every righteous nation! ~ Abdu'l-Baha

Love is but a veil betwixt the loved one and the lover. More than this, I dare not tell. ~Bahá'u'lláh

The boundary, the veil? The Alif boundary appears in a multitude of relations not just between space and time. The flight of a bird, once a mystery now an announcement of Alif. The augmentative, longer aspect of the wing, creates an orthogonal vacuum the reflection of expectation from the larger aspect. The diminutive, shorter aspect, of the wing creates the orthogonal pressure, the paradox from the lesser aspect. The equilibrium, the still air field. The recipient the ascent of the wing. The active force, forward motion. All this creates the ascent, the lift, creation of flight. The bounty of boundary, individuation in essence.

As we examine the BEC condensate, at very low temperatures, the quiescence of the relational spin allows the greater, more profound, deeper, more essential force of to step out from behind the veil. The essential spin, a declaration of existence, the characteristic of being. The relational spin bows down before the unity of the essential spin generating love, manifest as surface bond, unity. It a most manifest of forces, how the dry becomes moist, and yet most subtle, and the more sustained in the absence of heat. The law of cohesion, essential spin, is a priority above the law of relation to others, relational spin. The law of entropy turns inside out on itself. The motive force is to be; to be by Primal Will. This might explain why the universe is not expanding as fast as we predict or prophesy it should. This attractive force being a priority of physics. This is the may be underlying reality of entanglement. Each of the reality particle bonds to each other as all one, no longer alone, no alone, alone. A single wave, a single event. The reality of entanglement, one sees the other as itself. Entanglement is the binary statement of this law, entangled or not entangled. The law of love. The Golden Law. It is the foundation of religious thought, all else is commentary. Perhaps it is the first law of physics, to see the One in the many. E Unum pluribus. The second law a reflection of E pluribus Unum by reverse symmetry. By reverse symmetry as false vector. Every boundary and division teaches this reflection. Flip a coin. Heads or tails. It is one coin. The river yesterday the river tomorrow is one river, today and for eternity. Those who quoted Heraclitus and not Hermes, quoted what they understood. They did not quote what they did not understand. They did not wish to be known as men who lacked understanding and knowledge. Those who quoted Hermes quoted what their heart told them was true, whether or not they understood. Braveheart, heart does not weigh the risk, heart loves truth. Thank you Isaac for your translation, exploration, and transfer to this student the ideas of Hermes hidden and manifest wisdom.

We were given choice. See or not see. It gets confusing. Do particles at the zero point choose to exist or not exist? Individuate or not? Socrates thought we chose to exist. The only way through this is the Logos, we exist at the divine command, Primal Will, other perspectives leads to ad infinitum. The quantum collapse by the Primal Will is essential not accidental.

Math as a path through understanding the First Cause has limitations. The strange power mathematics lies entirely in unity by consensus, in that is a language which, those who participate with it agree, to what the symbols mean and the relationship relationships defined by those symbols. This is the same reality underlying most of science. The Manifestation lays the new foundation of science as `Abdu'l-Bahá states in Man is in Need of an Educator.1) At this time the principles of mathematics known to the multitude do not recognize the purpose of mathematics - to comprehend the One and its relations. If we don't soon put purpose back into our science, into our individuation, we will be the end of our unity. A reality without purpose will cease to exist. Science, without purpose, is an abyss. Math without purpose becomes mental puzzles only.

Careful examination of light passing through a prism or light passing through a gravitational field taught us that light was a composition. A composition of different wave lengths. Reflecting the divine law that all material objects and phenomenon are compositions reflecting unity. Reasonable reflecting thought indicates that the sorting of the frequency of light, which we have attributed to Planck's Constant, is also an indication that space is a composition in relation to time. And that's why the layering of light occurs into its different frequencies. Those frequencies reflecting the particular and molecular capacity of our optic nerve to respond to the different frequencies. Embedded in Planck's Constant is the relationship of composite space related to time identified by itself. `Abdu'l-Bahá confirms everything in the material world is a composition. Matter is a composition in relation to space; space is a composition in relation to time; time is a composition relation to meaning; meaning is a composition in relation to purpose; purpose is a composition in relation to the Primal Will.

As the body is quiescent, its internal spin activity dampens we sleep, we dream, the ego journeys to find itself. As the ego is quiescent, we reflect, the ego goes on a mental walk about to find its true self, the soul. As the soul's association with the body becomes quiescent, dissolves, it steps out of space and time, it journeys home. The journey

beyond space, time, and physics, a journey to meaning and purpose.

"It is all good." From Franklin Ora Pratt to Angie from the realm of meaning and purpose after his death.

Elderly Bahá'í high-school student
Clyde Artur Keys

In retrospect rereading this article a couple years later this student considers that changes we deduce and attributed to temporal gravity are manifestations. Time remains an intellectual, ideal, non-physical reality. So any expression of what appears to be a temporal gravitational field is actually an intellectual construct. As reflected by our education from the Baha'i writings, we don't have the words or the tools so describe what is occurring in the pure realm of eternity, continuous time.

Intro Image

[What Is Gravity? | NASA Space Place – NASA Science for Kids](#)

Modified to contrast space and time.

1)Then it is plain and evident that man needs an educator, and this educator must be unquestionably and indubitably perfect in all respects and distinguished above all men. Otherwise, if he should be like the rest of humanity, he could not be their educator, more particularly because he must be at the same time their material and human as well as their spiritual educator — that is to say, he must teach men to organize and carry out physical matters, and to form a social order in order to establish cooperation and mutual aid in living so that material affairs may be organized and regulated for any circumstances that may occur. In the same way he must establish human education — that is to say, he must educate intelligence and thought in such a way that they may attain complete development, so that knowledge and science may increase, and the reality of things, the mysteries of beings and the properties of existence may be discovered; that, day by day, instructions, inventions and institutions may be improved; and from things perceptible to the senses conclusions as to intellectual things may be deduced. ~Abdu'l-Bahá

<https://reference.bahai.org/en/t/ab/SAQ/saq-3.html#pg9>

The law of the speed of light expounded upon in relativity is based on movement in space-time; things in space-time cannot go faster than the speed of light. Relativity does not hold or regulate how fast something can move in time, or outside of time, or outside of space. Time being continuous and space being quantized in relation to time is key. Time related to space is binary, collapse. In space in time is here or there. Time related to itself is eternity. Space does not contain time.

Love gives life to the lifeless. Love lights a flame in the heart that is cold. Love brings hope to the hopeless and gladdens the hearts of the sorrowful. In the world of existence there is indeed no greater power than the power of love. When the heart of man is aglow with the flame of love, he is ready to sacrifice all—even his life. In the Gospel it is said God is love.

There are four kinds of love. The first is the love that flows from God to man; it consists of the inexhaustible graces, the Divine effulgence and heavenly illumination. Through this love the world of being receives life. Through this love man is endowed with physical existence, until, through the breath of the Holy Spirit—this same love—he receives eternal life and becomes the image of the Living God. This love is the origin of all the love in the world of creation.

The second is the love that flows from man to God. This is faith, attraction to the Divine, enkindlement, progress, entrance into the Kingdom of God, receiving the Bounties of God, illumination with the lights of the Kingdom. This love is the origin of all philanthropy; this love causes the hearts of men to reflect the rays of the Sun of Reality.

The third is the love of God towards the Self or Identity of God. This is the transfiguration of His Beauty, the reflection of Himself in the mirror of His Creation. This is the reality of love, the Ancient Love, the Eternal Love. Through one ray of this Love all other love exists.

The fourth is the love of man for man. The love which exists between the hearts of believers is prompted by the ideal of the unity of spirits. This love is attained through the knowledge of God, so that men see the Divine Love reflected in the heart. Each sees in the other the Beauty of God reflected in the soul, and finding this point of similarity, they are attracted to one another in love. This love will make all men the waves of one sea, this love will make them all the stars of one heaven and the fruits of one tree. This love will bring the realization of true accord, the foundation of real unity.

But the love which sometimes exists between friends is not (true) love, because it is subject to transmutation; this is merely fascination. As the breeze blows, the slender trees yield. If the wind is in the East the tree leans to the West, and if the wind turns to the West the tree leans to the East. This kind of love is originated by the accidental conditions of life. This is not love, it is merely acquaintanceship; it is subject to change.

Today you will see two souls apparently in close friendship; tomorrow all this may be changed. Yesterday they were ready to die for one another, today they shun one another's society! This is not love; it is the yielding of the hearts to the accidents of life. When that which has caused this "love" to

exist passes, the love passes also; this is not in reality love.

Love is only of the four kinds that I have explained.

(a) The love of God towards the identity of God.

Christ has said God is Love. (b) The love of God for

His children—for His servants. (c) The love of man

for God and (d) the love of man for man. These four

kinds of love originate from God. These are rays

from the Sun of Reality; these are the Breathings of

the Holy Spirit; these are the Signs of the Reality.

~`Abdu'l-Bahá