

40) Baha'i Writings infer Axioms Substantial to Gravity Causation

Mea culpa, no other or institution is accountable for this student work. Space is a physical Medium radiated by matter. Time is a non-physical Medium manifesting Primal Will.



These are spiritual truths relating to the spiritual world. In like manner, from these spiritual realities infer truths about the material world. For physical things are signs and imprints of spiritual things; every lower thing is an image and counterpart of a higher thing. Nay, earthly

and heavenly, material and spiritual, accidental and essential, particular and universal, structure and foundation, appearance and reality and the essence of all things, both inward and outward -- all of these are connected one with another and are interrelated in such a manner that you will find that drops are patterned after seas, and that atoms are structured after suns in proportion to their capacities and potentialities. For particulars in relation to what is below them are universals, and what are great universals in the sight of those whose eyes are veiled are in fact particulars in relation to the realities and beings which are superior to them. Universal and particular are in reality incidental and relative considerations. The mercy of thy Lord, verily, encompasseth all things! `Abdu'l-Bahá

This implies that there are expressions or laws in the spiritual realm that are manifest in the physical realm. This also implies that there are expressions or laws in the physical world that are physical absolutes in relation to physical relatives, universals beget particulars, integrals create derivatives, derivatives are, themselves derivable to lower order equations and meanings. Since the derivative of a constant is zero, the derivative of zero is undefinable, uncontainable, analogous to unmeasurable. High school calculus implies quantum uncertainty. Space a physical expression of nothingness contains vast implications. We measure the universe by measuring particle movement and the information they provide. Because we cannot calculate or measure beyond the universe's particle limit of expansion, this does not mean that the empty space of the universe does not exist there.

Axiom 1) Truth is absolute; human understanding is relative.

Binary is reality $\Leftrightarrow$ Reality is binary. It is not merely how our minds and computers work. Two statements:
There is absolute truth.
There is no absolute truth.

Statement one is true since statement two is self negating. Since "There is absolute truth." is the only reasonable conclusion, then we must re-cognize it by recognizing our limitations. Our understanding of absolute truth is relative.

Axiom 2) Physical laws may be inferred from spiritual laws. Reason is a spiritual law.

Praise be to God Who hath ever caused His Names and Attributes to penetrate the degrees of existence; Who hath made the effects of those Names and Attributes to shine resplendent and their signs to be firmly established in both the hidden and manifest worlds. By them He hath made the holy realities that are informed by His grace and are the recipients of His outpourings to be the sole revealers of all that pertaineth unto Him, and hath caused them to move through the firmament of perfection in arcs of descent and ascent. `Abdu'l-Bahá

Reason is a reflection of the holy reality which informs us as recipients of His outpourings. Reason is the best tool to understand the meanings contained in revelations. Reason is the weighing association of truth to its various expressions having value. Reason unfolds science. The simple evidence, experiment, experience that space is physical is demonstrated by creating the OK sign with your hand, then spread the index finger and thumb apart. The space between is sensible and has a specific location in the universe.

Divine and all-encompassing Wisdom hath ordained that motion be an inseparable concomitant of existence, whether inherently or accidentally, spiritually or materially. This movement must be governed by some check or rein, some regulator or director, otherwise

order will be disrupted and the spheres and bodies will fall from the heavens. For this reason God brought into being a universal attractive force between these bodies to hold sway over them and govern them, a force deriving from the firm ties, the mighty correspondence and affinity that exist between the realities of these limitless worlds. `Abdu'l-Bahá

Axiom 3) Everything, physical and non-physical, is moving as all movement is co-related.

Repeating:
Divine and all-encompassing Wisdom hath ordained that motion be an inseparable concomitant of existence, whether inherently or accidentally, spiritually or materially. `Abdu'l-Bahá

By clarification, all physical things change location in space. There is a circular motion. There is horizontal, depth, and vertical motion. Analysis of circular motion indicates the centerpoint moves about its own essence, it's center's infinitesimal nature moves in relation to all else.

By clarification, non-physical things move with regard to what they were and what they will be. All created things change in relation to themselves, least they be the absolute of which they are only a manifestation, limited as a symbol of absolute. Non-physical things move towards perfection, becoming what they were created to be. Qadar $\Rightarrow$ Qada

So the best question at some time is to examine is a question of why. Why is everything moving? Motion allows for manifestation. The past does not exist physically. The future does not exist physically. However, motion allows the manifestation of past and future to us. By motion, we can see where a thing was, where it is, and from that predict where it will be. Much more important, in the non-physical realms, the past and future correlated to present manifest that the Creator is actively involved with the creation by the Primal Will manifested by time itself,

by causation. Because of this we are able to see, perceive, that there is temporal sequential order expressed by time. There is a non-temporal, non-sequential order that transcends time indicated by the event of the revelations. Meaning transcends time; purpose transcends meaning; Revelation transcends purpose, in that human purpose is defined by revelation. The purpose of science is altered as science is unfolded before us. We are able to understand revelation according to our capacity and will and not according to time. We are able to understand science by the same, our capacity and our will, not according to time.

Time, past, present, or future, has no specific location in the universe. Time is an intellectual concept. Time is a correlation of a non-physical past to a current experience. Or a correlation of a current experience to a possible non-physical future event, time is non-physical.

Clarification, a physical or non-physical thing fulfilling its purpose is the highest degree of perfection, the highest order. Nader Saiedi in Gate of the Heart educates us that The Báb indicates that everything is moving towards its own perfection. This is the essential directional vector of conscious, of evolution, of time, of love and interaction.

Axiom 4) Once a physical reality has fulfilled its purpose, the remaining physical components energy and mass returned to dust, entropic residue. What is manifest is a higher expression of order than the original organized energy state. Meaning is higher order than time; time is a higher order than space; space is a higher order than particle indicated by particle's search for, attraction to, space.

Purpose is a higher order than meaning. The manifestation of order, of Divine Will, is non-physical existence, pre-existent to time; it is timeless. Contrary to some quantum perceptions, the laws of physics pre-existed a created conscious that could cognize them. Time is merely manifestation of order, a linear order of causality $\Rightarrow$ favorite universal concept that the human mind loves

to explore to find a particular cause, essential reason.

Answer: Know that the order and perfection of the universe require that existence should appear in countless forms. Created things cannot therefore be realized in a single degree, station, manner, kind, or species: Differences of degree, distinctions in form, and a multiplicity of kinds and species are inevitable. So there must necessarily be mineral, vegetable, animal, and human kingdoms; for through man alone the world of existence could not be adequately arranged, adorned, organized, and perfected. By the same token, with the animals, plants, or minerals alone, this world would not possess such a wondrous appearance, sound arrangement, and subtle adornment: There must be differences of degrees and stations, of kinds and species, for existence to shine forth with the utmost perfection. `Abdu'l-Bahá

Axiom 5) All physical and non-physical realities are ordered, are arranged, by stations, by levels, by degrees, by hierarchy. This is true of spiritual laws. This is true of physics cognized laws. This is true in natural laws cognized or not. This is reflected in our mathematics and our in human social and personal laws. The forces of attraction, physical (4) and non-physical (1), have ranges and limits by this order.

Axiom 6) Physical realities, radiate physical fields. Non-physical realities manifest non-physical fields.

The sun radiates light. The field of light is a physical field. Matter and its mass radiate a gravitational field. The field of gravity, therefore is a physical phenomenon. The Manifestation manifests divine truth. Truth is not physical. The reality of the Manifestation is not physical. The body of the Manifestation is a symbolic reality, just like these letters.

Space is a physical reality. Space has a physical location, physical presence, in the universe. Time is not a physical reality. It has no physical locality in the universe. Time is an intellectual reality. So a gravitational field, necessarily, must be a radiation of a physical property such as space rather than time. The manifestation of altered time in a gravitational location is exactly that a manifestation. The age of a thing can only be compared to its age at a different time. They cannot be physically spatially coexistent. The difference between the state of an object at one time and the state of an object at another time is not locatable in the universe. It is not physical. It is an intellectual perception, an intellectual construct.

Corollary 1) Since motion is an inherent characteristic of all particles of matter, it is rational to recognize that space is an inherent characteristic associated to matter(mass), since the matter could not move if it did not possess space as an essential linked relation. Thank you, Carlo Rovelli

Axiom 7) Matter occupies space.

1. Future: No particles is present. The future particle is non-physical.
2. Present: When a particle unfolds, ex-volutes, in space it occupies the space. The space that it occupies is now adjacent to it, causing a compounding of space. This causes an increased spacial density. The present particle is physical.
3. Past: When the particle enfolds and involutes. The past particle is non-physical. The particle no longer occupies space as it is non-existent.

Restriction is a quality of existent things, not the reality of existence." `Abdu'l-Bahá Tablet of the Universe. Space, an existent reality, has restriction not by extent as otherwise clarified in the same tablet but by continuity. Space is a composition. It is discontinuous in relation to time-a non-physical frame. This also suggests physical existence is limitless itself, yet ,any physical thing or material manifestation is restricted by spacial coordinates and boundaries.

The simple and individual elements that fill the space around us are brought together in countless combinations, each of which gives rise to a different being.
`Abdu'l-Bahá SAQ

Matter occupies space. A self evident truth. Yes, the amount of matter occupying space is minuscule considering atomic structure. Matter is perhaps 99.999999999999% (14 nines) space. This the most substantial reason why the gravitational "force" is the weakest of forces. How ever, sub-atomic particles have size and wave length, dipole moments, bond angle and atoms have atomic diameter, which are not measurements of time, mass, or energy. They are measurements of matter structurally occupying space. ¹

Gravity does not move things. Moving things are directed by gravity just as John Archibald Wheeler informed us. All things are moving. Motion is an innate characteristics, an essential characteristic. This galaxy moves through the universe; this solar system moves through this galaxy; our earth moves in the solar system and spins about. We are all spinning and all the atoms of the world vibrate and move about each other as all their sub-atomic particles move and spin about by the law of active force, First Cause.

So the relationship between a particle which has a boundary in space is linked by causality to the boundary. Energy is observed at the boundary between two realities. Historically humans perceived that the particle is created by the space because the space allows the particle to have it's beginning and end, and therefore it is an entity. In the age of relativity, we can re-examine and perceive that the particle causes the space to exist. In reality it is the boundary that causes both, radiates space and manifests time. Yet, that particle stops, mass stops, that the shape stops, that there is a beginning, and an end to a particle, the boundary of discontinuity of the particle causes the creation of the relative nothingness beyond it. From this essential relationship, it is proposed that mass radiates space. And that its radiation of

space is an active process. Mass contributes space to the universe. Why? This student's best explanation is that the boundary between particle and space is manifestation of Primal Will itself.

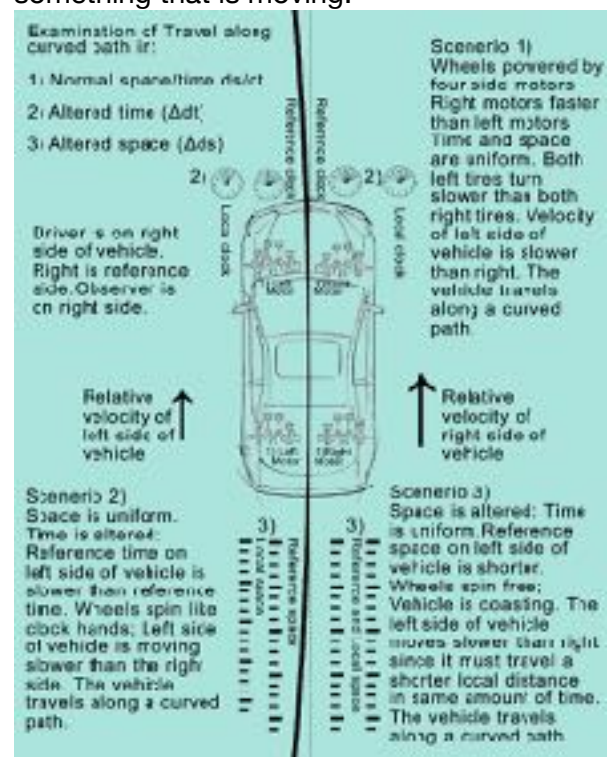
So in a model of gravity, there is space being radiated by, we perceive, by the mass of the particle. This space being radiated causes what Einstein refers to a dilation. Rather than dilation of time we're going to use Einstein and his process of thinking to perceive the space is dilated near mass. Re-wording space is compounded near mass; space density is greater near mass. And the more distant from the mass, the less dilation, compounded density. That dilation is $\Rightarrow$ the space that is present radiated by other particles is compounded by the radiation of space of the particle under consideration. The relationship is consistent with results of Newton's equations that the space being radiated decreases by the radius or distance, measured inversely, squared because each space radiation contributes to the interactive field. This law of spacial radiation follows the Gaussian Law of Spheres. The surface of sphere radiating space out from the space occupying matter, mass equivalent, has a Planck range of thickness. It is being radiated by the surface of the mass because that surface is the interruption of space itself. Other students on the Internet, such as Manuel Alfaro, Micah Blumberg, or Bishal Thapa are exploring other considerations of Einstein's proposal that gravity is altered spacetime relations as to the cause of gravity. This student has re-separated space $\Leftarrow \Rightarrow$ time.

This student's understanding is that to evidence alteration you compare a thing to itself. That comparison is an expression of oneness that can manifest duality. So in essence, the space that is the fabric of the universe and radiated by all the other particles of the universe is altered by a single particle's radiation of space. That is compounded space. So if you have increased density of space on one side of a particle that is moving and you have decreased density space on the alternate side that is moving as singularity, necessarily

that particle travels a curved pathway. It curves toward the increase density of space. The purpose of this exploration is to understand the cause of gravity. The purpose is not to calculate the forces, geometry, or the energy that is generated by Newton's classical understanding of gravity; his equation and constant, G , still hold the same value for those calculations.

This student's examination of others thoughts on the Internet are that they attempt to offer a different way to calculate the values of physical phenomenon's energies and forces. This is not necessary. We are doing fine with our current calculations. Understanding the compounding of space creates the reality of gravity. Since all things are moving, when particle move through a field that has compounded space, ie gravity, they will necessarily move where there is greater density of space.

This drawing is intended to be familiar and easy to understand to convey how increased space density on the left, Scenerio 3), causes a curvature of the pathway of something that is moving.



Scenerio 2) is an exploration into altered time. This is the direction that Einstein leaned. The problem about altered time as being gravity is the time it itself is not physical. It is an intellectual reality. That's why the emphasis on time not having a physical spatial location is substantial for us to stand under the physics of gravity. However, this student thought it was necessary to explore that Einstein's idea of time dilation. His view is consistent and valid, had it not been exploring a non-physical entity to be the cause of a physical law, of altered physical motion. If humanity could recognize that the only non-physical reality that can cause physical laws is First Cause, Primal Will. So if time is equated to Primal Will, then this student can cognizes Einstein's proposals of time dilation being valid.

A subtle but important point that these axioms provide is that objects that have "mass" are attracted to the space created by other objects of "mass". A subtle but important point that these axioms provide is that objects that radiate space are attracted to the space created by other objects that radiate space. They're not actually attracted to the mass of the other objects. Mass itself does not cause motion. Motion is an innate reality of all things. It is their nature; it is an essential aspect of their creation.

We can examine how and why a moving object is attracted to a denser area of space. Possibly the object has an essential need for space to allow for its unique existence. Possibly it is attracted to that which it is derived from it such as parents attracted to their offspring. It is a mirror of the love of the Creator for the creation.

Aristotle indicated that things fall because they're seeking the rightful place. Einstein indicated things fall because that's the shortest pathway. This proposal is that things fall because of their parts, particles, are moving and move towards a denser area of space. The cause of gravity is motion in a space differentiated field.

So why is it necessary for us to put religious scriptures in our scientific writings? Kurt Gödel's Second Incompleteness Theorem demonstrated that a mathematical system cannot validate itself. So when Bahá'u'lláh indicated this is the standard (this revelation) by which "the wisdom of every command shall be tested", they were in agreement.

When this student began to re-study physics he was very resistant to the importance of entropy, until parts were related: entropy $\Rightarrow$

syntropy $\Rightarrow$ extropy. The insights and profound offerings of Ludwig Boltzmann were circling the cause of gravity, and the purpose of rich energy embedded particles, negentropy. His focus was on the distribution process arriving at entropy, a low organized energy state. If particles did not move, attraction would not occur. Outwardly the chaotic motion suggests impending disorder, yet, as `Abdu'l-Bahá cites the attractions, including gravity, essentially expressed as love on a particular level, holds the universe together on the sensible level. Motion causes order, higher order as meaning. No change $\Leftrightarrow$ no meaning. The solar and galactic systems are ordered. Take ye this tenor, be it ancient or current.

O SON OF BOUNTY! Out of the wastes of nothingness, with the clay of My command I made thee to appear, and have ordained for thy training every atom in existence and the essence of all created things. ~Bahá'u'lláh

Axiom 6) Reality is sortable by binary distinction, material compared to spiritual.

Material has spacial existence that exists in the universe such as here or there as physical compared to non-spacial not locatable in the universe does not exist in the universe as non-physical.

Axiom 8) Individual, particular, unique, distinct entities are attracted to the arena that allows for their existence. That physical property with regard to physical particles is denser space, more nothingness. The human

soul is attracted to divine teaching which allows for its existence. Bahá'u'lláh's writing even indicate that the revelation of the Manifestation creates our soul. Perhaps by this relation of a realm in which it may exist.

Clarification: Particles radiate/create space and are attracted to that which they create. The poetic expression this in the Baha'i writings is "Love is but a veil betwixt the loved one and the lover." `Abdu'l-Bahá indicates that gravity is the love of God. This is a good succinct answer and explanation.

The interesting irony is that space occupying particles possess what we call the mass of the particle. The particle displaces space by its presence. It is necessary for it to have space as a non particle for it to exist as an individual particle, for its boundary, its beginning and end, its limits of existence, its form. There (space) fore, articles that do not have mass do not occupy space? Yes. This understanding is binary, if this proposal is valid. How ever, by the mass $\rightleftharpoons$ energy

equivalence equation, $E=MC^2$, we have assigned mass to most particles in the Standard Model. We, how ever, remain inconclusive as to the size, or definitive space occupation, of such particles. By the mass $\rightleftharpoons$ energy equation we have not

assigned mass or size to photons in the Standard Model, to remain consistent with special relativity. This student is ignorant of the Standard Model. This student is ignorant of special relativity.

Axiom 9) Every physical thing has a beginning and an end.

Foundational to physical existence is that things come into existence and then they cease to exist. Physical existence is an intermittent phenomenon. This writing proposes because the essential Nature they are vibratory in phenomenon. Even with Erwin Schrödinger's mathematical expression of a particle is a vibratory nature at which the field associated to the particle has a zero intensity at specific point in process. It is; then it is not; then it is again. Non-physical realities, have timeless expression; they are not time dependent.

“Every thing must needs have an origin and every building a builder. Verily, the Word of God is the Cause which hath preceded the contingent world—a world which is adorned with the splendours of the Ancient of Days, yet is being renewed and regenerated at all times. Immeasurably exalted is the God of Wisdom Who hath raised this sublime structure.”

Tablets of Bahá'u'lláh Revealed after the Kitab-i-Aqdas ~Bahá'u'lláh

The first houri, metaphorical meaning, of this verse is it pertains to the creation of the realm of divine truth. The secondary meaning pertains to the science of causality ... physics and the truths there in.

Even in the standard model of sub-atomic particles their characteristics, even the electron which has the longest half-life all have a limited half-life. Consider the possibility that is because matter is essentially transitory manifested by its wave form expression. If the idea of a waveform expression of matter is a little bit foreign then the idea that all things are moving is an approachable reality. The center of this article is it all things, all beings, are moving.

This is but one of the meanings of the spiritual sovereignty which We have set forth in accordance with the capacity and receptiveness of the people. For He, the Mover of all beings, that glorified Countenance, is the source of such potencies as neither this wronged One can reveal, nor this unworthy people comprehend.

Bahá'u'lláh, The Kitáb-i-Íqán

How does one become worthy to comprehend? Ask. Seek. Inquire. This transmutes you from being headless to open minded.

Axiom 10) Cycles are an intellectual construct associating similarity of events, a spiritual conjoining of physical phenomenon.

At the core of human observation of nature is the apparent cycle. This permits the perception of time, a non-physical realm. Yet, upon each cyclic return there is distinction to the new existence. Each day is a new day compared to the old day. Each seed unfolds a new tree that is not the old tree. However, the reoccurrence of similar events is a process, just as Alfred North Whitehead suggested. This process creates the phenomenon of waves of local space superimposed upon the collection of space radiated by the total particles of the universe as an ultra infinitesimal fine matrix of spacial waves. (The correct method of producing/creating space radiation is going to require several open minds and a participation of high level consultation.) A particle appears in space displacing space, then involuting into non-space (time?), then re-occurring, this creates a repeated quantized wave of compounded space. It is a note by one of our primary axioms that when the particle reappears it is in a different location of space because it is moving as all things are moving. So the next portion of space being displaced is a different portion of space. This spacial "cycle" is a fundamental frequency of particles have to a space to space² relation. Each spacial pulse has a surface area. Each pulse separated spacially from the previous. The next pulse by its very essence causes the previous pulse to have a new "expanded" location an relative asymmetry shape in relation to space produced at the particles new location. The asymmetry morphing is a vector contributing a directional echo. The particle moves away from its the vacated location where it was. This is because of limits of velocity ... that void is spaceless until it is filled by space. This model indicates space has characteristic similar to a fluid.



This concept of matter radiating space is a different one. But restating from a slightly different wording is that a particle that is present in space leaves that position in space moves into time reappears in space at its new position. The old previous position is vacant of space and vacant a particle. Since particles attracted to space then the last place is attracted to is to where it was. So is it moves in its next position going into time again and returning in the next position in it pathway dictated by the last place it wanted to be the position it was at. In this model space has characteristic similar to a fluid filling the vacated positions no faster than the speed of light allows them to fill it. The secondary and tertiary positions are filling with space. The particle is not attracted to positions of low space density. Matter is least attracted to where it was. This model proposes that inertia is explained by matters attraction to spatial density in the same way that it's gravitational behavior is caused by its attraction to spatial density.

This synthesizes motion equivalent to radiation. We can look at it as gravity wave radiation by time
or radiation by
spacial density differentiation. A new alternative perspective.

This proposal, again, indicates that time is a non-physical realm to which particles go and return. Reality is binary. There is physical reality spatially located and non-physical reality has no spatial location.

How ever, the frequency of spacial gravity could be beyond the range of Planck's Constant: a particle appears and displaces space ... disappears creating nonexistence at that location to be re-filled by ambient co-lateral physical space ... then, the particle re-appears displacing space at its new location adjacent to the previous. Simple ancient idea from our fore-fathers(and mothers). That is a little poetic.

At the beginning of Brahma's day, all living entities become manifest... and thereafter, when the night falls, they are merged into

the unmanifest again. Lord Krishna ,The Bhagavad Gita (Chapter 8, Verses 17–19)

God begins creation; then He repeats it; then to Him will you be returned. Quran 30:11

**Note thou carefully that in this world of being, all things must ever be made new. Look at the material world about thee, see how it hath now been renewed”
Selections from the Writings of ‘Abdu’l-Bahá**

The first and foremost, meaning of both of these statements from scripture reference to the coming revelation that begins each New Age of our understanding of spiritual and scientific reality. Once this understanding is extracted individually for each person on their terms, then we have permission to apply divine teachings to other aspects of our lives such as physics, such as gravity. In these quotes is also implied that both science and religion must be renewed.

Speaking of fore-mothers, this student when young, his mother stated the "Time is the Will of God." That is a terribly powerful insight. My beloved physicists, may you all advance in understanding what you love before and after death.

The principal of the transient temporary vibratory nature: the appearance, disappearance, reappearance of nature, of the physical world, is an ancient concept and is discussed even Vedic traditions. This student suspects it is woven into all human culture as it is essential to the process of cognition. All things vibrate ... thank you Huy, the Chinese yogi.

This is an association of the divine non-physical and the sensible physical. Velocity or frequency are essentially the same association. Physical space associated to non-physical time or physical event associated to non-physical time. What is associated to what was or is associated to what will be.

Our use of calculus assumes continuity of space to time. That as the limit Δt approaches zero, we have a derived location in space by relation. It is at a car at a specific velocity at a specific time you have a specific location is our perception. However, that all things are moving implies any space defined between two points is always changing, dependent upon time. Because of this, space is discontinuous in relation to time. So the foundational reality: the particle exists in space then it does not; then exists in space at another location. This is our sensory perception as well. It is our intellectual measurement, not reality, suggesting it is both places.

So in this writing is proposed that an electron involutes. When it in does and exits space and what ex-volutes out of what was the electron is a positron that exists in time. The positron is a theoretical particle identified by Paul Dirac. Richard Feynman gave us his Nobel and noble understanding of the positron in his work. But we must not forget that time is not a physical realm. It is an intellectual realm. A positron is an intellectual reality in an intellectual realm.

So as the electron enfolds into itself, as the alchemists suggest: turns inside out, we can perceive it becomes smaller until it is not. In the language of astrophysics it becomes a minuscule momentary black hole.

In human terms, this is a metaphor that we at times, as rational beings enfold or involute into our emotional reality, that our emotional reality ex-volutes into the physical world.

Schwartzchild Radius (rs) of an electron becoming a black hole

At what size does an electron become a black hole?

$$r_s = \frac{2GM}{c^2}$$

This is the formula to calculate the event horizon radius necessary for a given mass to become a black hole. This equation indicates that the Schwartzchild radius is equal to two times Newton's Gravitational Constant (G) times the mass (M) of the object divided by

the speed of light squared. It is an indication of the radius at which there is an event horizon to the mass creating the equivalent of a black hole. So if the electron involutes, turns inside out, at some point, it is no longer in space because it is involutes to relative nothingness as a spatial location. It involutes to a singularity, involute to a singularity. John Archibald Wheeler hinted at that singularity being expressed by an uncanny similarity between all the electrons in existence.

$$G = 6.6743 \times 10^{-11} \text{ m}^3 \cdot \text{kg}^{-1} \cdot \text{s}^{-2}$$

$$M_e = 9.1093837 \times 10^{-31} \text{ kg}$$

$$M_e^e = 0.91093837 \times 10^{-32} \text{ kg}$$

$$C = 299792458 \text{ m} \cdot \text{s}^{-1}$$

$$C^2 = 8.98755 \times 10^{16} \text{ m} \cdot \text{s}^{-1}$$

So the Schwartzchild radius of an electron as it involutes into a positron is
 $rs_e = 6.76478 \times 10^{-60} \text{ m}$

This proposal is to allow us to perceive that a particle, an electron, exits existence in space and enters into time without being in space, at the fundamental level, this is "a" meaning of our beloved uncertainty principle. At a certain point we cannot distinguish the difference between a particles spatial location and its energy in time because there is in fact, a separation between physical spacial and non-physical temporal realms. This is an aspect of the essence of quantum effect. The physical realm exists with definitive limitations.

The equivalent of a black hole that occurs in the macro cosmic world, and it also occurs in the micro sub-atomic world "**as above so below**", and what occurs in the cosmic realms, black holes, is reflection of how in the spiritual realm we could have relative non-existence. We too can involute into a thing, self, that has relative nonexistence in the spiritual realm. Reality is relational, about connection, based on unity.

`Abdu'l-Bahá indicates in Some Answered Questions, Man is in need of an Educator, that the revelations lay the foundations of science. These axioms are examples of foundations that we can infer. The value to

us depends on consensus. 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, unity.

Elderly Baha'i student
 Clyde Arthur Keys

1) The Standard Model now intentionally neglects the volume of some particles such as electrons to simplify calculations so they agree with measurements. There are real aspects to physical phenomenon we cannot actually measure.

The student is still having some problems reconciliation, the possibility of temporal gravity. Other thought processes conveyed this may be occurring and that we are seeing manifestations of it, but we still run into a problems that there is no physical reality of time. An alteration by compounding of time could manifest what appears to be an alteration in temporal gravity. However, basic reason suggests Primal Will, a non-physical reality could alter the course of a physical reality towards its destiny. I don't think it's possible for human mind to construct the mechanism however. We could merely construct a metaphor.