

7) The Purpose of Physics



Mea culpa, no other or institution is accountable for this student work. The Medium of conveyance has four aspects, three apparent, one not so much.

None can resist Thy will; naught can exhaust the impelling force of Thy command.

~ Bahá'u'lláh

The purpose of physics has been stated to know the First Cause.

"Nothing occurs at random, but everything occurs for a reason and by necessity." ~ Democritus

Physicists are becoming philosophers. Deep inside they desire to be prophets. Heraclitus guides us that to do so there must be "a trial of words and deeds." Physicists call this experimentation, to show by an observable act by which they prove a theory of words, words that make a prediction, that prophesy. To have a physical system contained and controlled by scientific structuring, with repeatable outcomes, allows us to control nature. But to be truthful, which would be more beneficial: To have control over nature or control over our own selves? This student has found this question also raised by others, how about you. To be a true philosopher, like Socrates, we must prove by our deeds that our words are true. Who among us will follow in his footsteps?

The acquisition of sciences and the perfection of arts are considered acts of worship.

~'Abdu'l-Bahá, SWA p 144

All of the sciences that are fruitful are blessed. Excluded are those that begin and end in words. This student has difficulty seeing fruits of these theses other than having understanding of what has been taught. So put this away and understand what life has taught you instead. Better yet, write down what life is taught you and you will see clearer.

We have establish that physics uses time in almost all of our calculations and understandings for the relationships of phenomenon in its efforts to prophesy (predict) an outcome. We have also established in, **1) Separation of Time and Space**, that time is not physical. It is necessary for us to go to a realm that transcends time. Pass the realm of meaning to the realm of purpose. We will find that, in fact, we can not, intellectually or with the imagination, actually penetrate the realm of divine purpose. Divine purpose penetrates us, penetrates our intellect, penetrates our understanding, and our actions. We, intentionally or unintentionally, often become an example or expression to educate others.

We are at a crisis. Humanity is receding from our religions. If we imagine that none are aware of our deeds when we are alone or unseen, then what we do or not is of no meaning unless we force others to see us. Loss of meaning is the cause of terrorism. Loss of meaning is loss of hope. Religion is our wellspring of hope. How ever can we bring religion as hope forward again?

Constantine presented to humanity that Christianity was to be acknowledged. The Bahá'u'lláh presented to the kings and rulers of the earth who He was, and they ignored his statement, all except for Queen Victoria. Her familial dynasty was the longest lasting in recent history. She merely showed courtesy to Bahá'u'lláh's claim by stating "If this is from God will last, if not, it will surely perish." We, the populous, have stripped the kings and queens of their God given authority. Our rulers and governments are not permitted to bring religion forward.

Omar took the sword and used it to advance the cause of Islam. The first day at the garden of Ridván, His Declaration, Bahá'u'lláh announced the end of jihad, the lesser jihad, the sword would not be used to advance the cause of God again.

There will be no Martin Luther or other clergy, to revitalize religion. The second paragraph of the Báb's first book of His 15,000 letters, books, and epistles stated that the authority of the clergy has ended.

So this student sees only one remaining institution that has been given the authority to present religion back to humanity is a means for acquiring knowledge. That is the institution of science as physics. Since the purpose of physics was recognized and acquire knowledge of the First Cause, then this is the realm in which physics is given authority, and is defined to have the authority.

Known as an act of absolute paradoxical irony by societal standards, this is a call for physics to bring religion forward as its companion reflection. Who else will rescue us and revitalize our beloved connection to our mysterious mystical selves? If we wait until popular social media decides to be self inquiring we will surely parish.

O YE PEOPLES OF THE WORLD! Know, verily, that an unforeseen calamity followeth you, and grievous retribution awaiteth you. Think not that which ye have committed hath been effaced in My sight. By My beauty! All your doings hath My pen graven with open characters upon tablets of chrysolite. Bahá'u'lláh

So we can read this from the perspective of *affirmation* and recognizes true and try to understand it. We can read this from the perspective of *opposition* and decide that is not true or it has metaphorical truth and the truth is unknown. Or we can approach from the perspective of being *heedlessness* that it doesn't apply to us at all. Consider the possibility that we are now creating systems of memory, vast memory, recording the thoughts, ideas of mankind. We know from the Baha'i writings that everything that appears in the physical realm has a counterpart in the spiritual realm that it is manifesting. So it's perfectly reasonable to consider that there is a system by which every event in time and every location space is recorded.

So will physics present that all events in time all things in space are recorded, as Bahá'u'lláh states, on tablets of chrysolite, by the Arche electron? Will physics point to the Source of Knowledge as the object of knowledge? Will we re-focus on the knowing First Cause, as the Manifestation, thereby knowing ourselves?

Bahá'u'lláh indicated that things will get so bad in the world that the worlds leaders would come

together, realizing that religion was an essential part of human civilization, existence, and cooperation. They would realize that we are much better off with religion than without it. Those leaders will select a religion from among the religions of the worlds that best meet its needs. What leaders do we have left? What leaders do we recognize besides the leaders of science, the leaders of physics?

Because we perceive that we will create a mechanism, a theory, a poem, a relationship that has a purpose in our lives, from that we somehow imagine that that allows us to penetrate intellectually the reality of the Absolute True Purpose of our existence. To encounter divine purpose cognitively as a recipient, you have to find the source of the Primal Will in your life for your self. If you open yourself to the next physics book you open, the next poetry book you open, the next scriptural book you open and perceive that Pure Life is speaking to you personally, then, you have ears to hear. Being receptive is not gender based. It requires trust. Trust that which is trustworthy, proven by the balance words to deeds.

We're going to use Lorentz's force equation to examine the reality of purpose. This describes the total forces acting on a charge moving through electromagnetic field.

$$F = q[E + (v \times B)]$$

This equation has been dissected in two components of electric force and magnetic force.

Electric force = qE , that is the electric force acting on the charge from the electric field.

Magnetic force = $q(v \times B)$, that is the magnetic force acting on the charge plus, the velocity of the charge is identified as component of magnetic force.

And this is from our not having understood the separation of space, time and purpose, as factors in the outcome of what the true meaning of the force acting on the particle is.

So, if we perceive that the electric force is a function of space, permittivity, acting on the particle aspect. The magnetic force is a function of time, permeability, acting upon the wave aspect. (This is explored in the thesis: **2) Truth $\leftrightarrow$ Light $\leftrightarrow$**

Consciousness) That leaves the component of velocity which needs to be transcribed, translated, ascribe to purpose, bring meaning to velocity. The vectoring that occurs in the reality of the world is from purpose. Vectoring has two aspects direction,

intention, and magnitude intensity, as does spirit. Time is not vectored and space is not vectored until motion is present then both reflect the vector. We see this in moon $\Leftrightarrow$ earth space, moon $\Leftrightarrow$ earth time And the vectoring occurs because of purpose of what the object in motion is purposed to do, essentially to move foreword toward perfection, a more perfect understanding, by manifesting its meaning. This is circular logic, an ipseity. According to a multiple of divine scriptures, all things convey at least one of the Names of God. <https://youtu.be/16LO6WNfLWA>

The purpose of physics: to know nature as the Primal Will, First Cause, that we might know ourselves, thereby know our Creator. Physics examines the tri-ratio, pure reason. $A=B$, $B=C$, $A=C$. "He that hath known himself hath known God." To know B? How do you know yourself? The Manifestation who originally conveyed this relation in Writings and in Person as a trial of words and deeds. Aristotle reflected on and noted the mathematical expression of the relation. The same Manifestation conveyed the One, monism, a concept which Aristotle struggled with. Aristotle now re-cognizes that A and C are one by B. B is the intermediary. B is B, it is what it is, B^2 , by words and deeds.



https://bahai-library.com/faizi_symbol_greatest_name

The meaning of the symbol above is at the link. That is the important meaning there are other meanings. But the first meaning is the eternal relationship of the manifestation as a Mediator, Medium between the creator and the creation.

This symbol conveys the essence of correspondence, heart-mind, relational by tradition and rational by meaning. This is the essential power of a talisman, a symbol, scientific paradigm. The core, the kernel, is B^2 , (ب • ب). The Primal Will by the Primal Will. Baha'u'llah(☆) by The Báb(☆). Destiny by Decree. What will be by what is. The future by the past. Space by time. Meaning by

purpose. Creator reflected by creation. H (هـ) as Ha as Huwa, "He is": four times as four aspects of Indivisible, Unknowable, Uncreated, Unlimited One, 4π , Four Orthogonals. The four pillars of creation. 'Abdu'l-Bahá describes the four kinds of love. From the Creator to the Creator (هـ $\Leftrightarrow$ هـ), from the Creator to the creation (هـ $\Rightarrow$ هـ), from the creation to the Creator (هـ $\Leftarrow$ هـ), from the creation to the creation (هـ $\Leftrightarrow$ هـ). The Primal Love creates the other three aspects of love, like a tetrahedron, one side emanates the other three.

¡The beauty of Arabic! Please God, teach this student in the beyond.

It is only a symbol. Love of a symbol should not keep us from loving what the symbol represents. May we not be confused between ego and soul symbol and entity. Back to the metaphor of physics.

Lorenz Force Equation
 $F = q(E \cdot V \cdot B)$

E = space, Primal Will, manifest by permittivity as electric field

$V \Rightarrow$ purpose, Primal Will, manifest by vectored motion field

B = time, Primal Will, manifest by permeability as magnetic field

q = electric charge, electron quanta, or soul, manifest by consciousness as question, as separation from meaning as recipient

Force $\Leftrightarrow$ Primal Will $\Leftrightarrow$ Active Force

Total Force acting on a charge, an entity, the human soul, separated from itself, by space, time, vectored to become what and who it is by purpose. We love Hendrik Antoon Lorentz. He left us a beautiful encrypted lesson about our essential reality.

As indicated a charged particle, by its inertia manifest by motion, described in 3) Inertia, a charge's vectored motion is caused by purpose embedded in the Alif boundary discussed. The ascent component, allowing internal, intrinsic spin as Primal Will interacting with itself as relational spin, as time and space, has meaning and purpose enfolded within as well. The purpose of a Lorentz's charge, an electron, to absorb and distribute light as photons. Like the charge, like the electron, you

will distribute your light, distribute your reflection of the Creator to the creation, and return again as your true self, to your origin.

If you say right as good $\Rightarrow$ same meaning.



If you say good as God, $\Rightarrow$ same meaning. God's View, God's Intention, God's Speech, God's Action, God's livelihood, God's Effort, God's Concentration, God's Mindfulness. To see the Good as an entity with Personhood or not is merely choice of perspective. This student has seen existence as personal and non personal. Most of humanity clings tenaciously attached to their personhood. As a consequence it is more comfortable to perceive the Cause of all as a Personhood. This model reflects the familiarity of our personal conscious development as a child. Our mother and father relation as personal. Traditional Buddhists and physicists may not recognize Cause as personal. They may see as they choose like, every one does. All that matters is to fulfill our purpose.

There is a relation between purpose and function. We do synthesize from such a relation.

The divine association of purpose to a reality is much like our association of time. We associate time with day and night, however, no matter the association to measure time, it is not time. If spin of the earth changed and, therefore, day and night changed, time would not change. If the electrons stopped absorbing and emitting light, as unconscious electrons, as dark matter, not reacting to EM stimulation, divine purpose would still exist. Electrons lack free will unlike us; they cannot choose to be dark, to ignore the signs set before them and not reflect. Free will, humans realigning their with their purpose, is a gift of grace as Permission.

It is not understood by this physics student how to put an essence into words without circular logic. Ipseity is self defining. It is what it is. We, the four blind men, can walk about and palpate the elephant or climb upon it and ride it. As physicists we have been riding the elephant hoping it is taking us where we are going. Where is physics going? Where it is purposed.

Physics, It is what it is. Is it merely a Ouija board game? Who ever is the most opinionated and persuasive with papers, by scientific convention, directs and spells out its meaning and subtly guides the elephant? Bahá'u'lláh has elevated the study of science to the station of worship for this day.

So hidden in the success of physics is unity via respect of reason. That physicists have unified their views under the standard of reasonable correspondence of proofs, often mathematical in nature, is the true source of the power of the science. It is the unity itself that allows the mountain of divisive opinions called superstition to be dissipated.

How ever, if the members of physics suggest the Original Cause, be it Big Bang or other had no purpose, humanity will abandon such a hopeless theory to fools. Such a conclusion is not rational. Entropy as driving force of physics is a perspective as dissipated organization of energy is destiny? Such view suggests what was and is not now has no value or meaning to convey. What is the purpose in such a view? Mere words without spirit, without respect, retro spect, intro spect, non-inspiring. Do not wear lead swimming shoes unless you walk on the bottom as etymology of words.

So the model that the sun is the source of high frequency energy (low entropy) hitting the earth. That creates life which dissipates the high organized energy to lower frequency energy. Which radiates from the earth has been suggested as the driving structure or cause of life. It is proposed that low entropy is going to high entropy as the driving force and the cause of life is a collateral consequence. So there is a film that very poetically confronts entropy is the driving force of the universe. That film is called Collateral Beauty. It's highly recommended. Your conscious may recognize the beauty.

It's much more reasonable to perceive that the sun creates life on the planet and as life evolves to a higher and higher form, a higher higher expression of conscious that that conscious is actually the purpose of what's going on. That is the purpose the universe is to create conscious to create awareness. That is a higher organized reality than

low (physical) entropy. Even though conscious may not be what physicist like to call physical. And conscious exists outside of time and space by our intuition. The absolute ultimate proof will be when the conscious that reads this article no longer has a physical body, and it's still conscious then it can see why it's physical existence was the purpose of the physical structure, that generated a corporal body, which allowed conscious to examine and understand its own self.

We love Ludwig Boltzmann. He gave of himself that we might understand. He stared, as did Stephen Hawking, at zero, entropy and black holes, thereby staring into the black abyss. The brilliant beauty of zero burns away the densest veil of self and ego and blinds. The Most Great Beauty, the Sun of Truth conveys what the purpose of entropy and black holes is. We cannot see without the eye of the Manifestation our relative nothingness. "We all come from God and to Him we shall all return" ⇔ We are all created from nothingness and to this we return out of time and space, pure physics! $1 \Leftrightarrow 0$. Mind ⇔ Heart.

Creator ⇔ creation. All to teach: He is One ⇔ we are and not when are not. We are contingent, becoming. But as Saint Augustine out points, there fore here now we are. How do we know God exists? The same proof we exist. The Manifestation who's science of words and deeds as equal says so. There is no greater knowledge as a source or object.

That low entropy physical reality moves to high entropy physical reality is only half the picture. That the physical aspect as this occurs life gets more organized and produces conscious and conscious is the organization of what was experienced in time and space and allows for perception and understanding. That non-physical organization is a low (non-physical as spiritual) entropy compared to the high (non-physical as spiritual) entropy as a higher level of conscious. But this student thinks as much easier to think in terms of purpose. Ludwig Boltzmann's purpose was to convey his deep spiritual understanding about how the system of particles is organized with meaning. That his physical person returned to dust as high entropy is really not the take-home message.

Our feeble reasoning, our contingent existence evidences, by our relative no-thing-ness the Majesty, Grace, and Glory of the Creator. The meaning of $\sqrt{-1}$ is just imaginary quantum compared to the qualium of 0^2 . It is not what it is not. Stated as apex of logic, of conscious at the boundary. Possibility be we. Tis' beauty, the heart,

our skipper to sail into uncharted waters. Ask who is the Source of Truth.

The third Tajalli is concerning arts, crafts and sciences. Knowledge is as wings to man's life, and a ladder for his ascent. Its acquisition is incumbent upon everyone. The knowledge of such sciences, however, should be acquired as can profit the peoples of the earth, and not those which begin with words and end with words. Great indeed is the claim of scientists and craftsmen on the peoples of the world.

~Bahá'u'lláh

There are forces and relations within science and physics that are unfolding that are actually beyond our proof. It has a purpose. A divine purpose. Those who intend to direct this elephant, according to the personal whims, might find themselves under foot.

O SON OF MAN! Wert thou to speed through the immensity of space and traverse the expanse of heaven, yet thou wouldst find no rest save in submission to Our command and humbleness before Our Face.

~Baha'u'llah

How ever, in great kindness and great love, the reality of the reflection was created; the universe being a reflection.

O SON OF SPIRIT! There is no peace for thee save by renouncing thyself and turning unto Me; for it behooveth thee to glory in My name, not in thine own; to put thy trust in Me and not in thyself, since I desire to be loved alone and above all that is. ~ Bahá'u'lláh

So, on one hand, the surface of this verse is very apparent. Is an ancient old idea with regard to the Creator. The interesting irony is that the Creator speaks to us with hidden words that of themselves have limitations and yet contain vast information. To get past the words, we actually have the capacity to understand instead of only with our intellect, we can understand with our heart. An example of the limitation and infinitude of words: "alone" has a paradoxical meaning. "alone" refers to the unity of the Creator. When we separate the word "alone" into parts, as the One made the creation not the One, which is the many, you have the words "all one", a reflection of the Creator. Reflection on the divine scripture reveals many meanings with each consciousness that exams it, *Cada cabeza cada mundo*. So you don't need higher mathematics to understand the concept of a multi-verse. The universe is a multi-verse; proof

given. The one verse quoted above speaks many meanings to the multitude, such is the power of Logos. `Abdu'l-Bahá indicates that there is only one world and all the worlds of God are within this world, just as there are many different symbols and representations for the reality of one. All of those symbols are actually referring to and are the same one reality.

Prior paragraphs are for house cleaning and ground work. Examining purpose requires more than a couple of cardiovert electrodes on our temples. **Clear!**

When you come across an artifact, you can examine the artifact and understand its function. It is not possible to know the purpose of an artifact, unless the Creator of the artifact tells you it's purpose. Purpose is not function. They are associated.

There is one same truth underlying all reality. "Knowledge is a single point, but the ignorant have multiplied it." a hadith attributed to Ali. Knowledge is infinite, your mind responds. Your heart knows both are true. `Ilm and `Irfan, learning mind-heart is but one. There is one same purpose underlying all truth, that the One be known.

"I was a Hidden Treasure; I loved to be known; therefore, I created the creation that I might be known.", a hadith from Muhammad to Ali. Muhammad speaking as God, also speaking as the Manifestation, also speaking as a human. God is the Hidden Treasure. The Manifestation is a Hidden Treasure. Each human is a hidden treasure. There is one same purpose underlying all physical and spiritual phenomenon, all creation, that the One be known. Our knowledge, our meaning, is derived from the field of purpose.

That is the implication of the Arche Electron. Recognition of this one reality will do to physics thought process, what recognition of 1 did to mathematical thought process. It is a logical step; recognize 1 then recognize 0 to recognize yes and no. We think in binary. This is a rhetorical chiasmus not a pun. Remember the Arabic numeral system, with zero, was a gift to the us in the middle east, from us, the people of Hindu traditions. We are all one. Without that oneness we fade to nothingness. With oneness we move from no-thing separating us to Ideals, to meaning, to purpose outside of time and space.

Examination of an object allows some aspects of its reality to be identified, e.g. size, mass, response to energy fields, response to change of energy fields, response to interaction with objects, behavior in eeeeexxtreeemmmmeeeeely high

speed impacts, and so forth. We can deduce only its function from this type of analytic examination.

Analogy: Examination of an artifact a 2 1/2 meter iron shaft reveals it is 30,000 years old, sharp at one end and blunt at other. Conclusion: It is a spear proving man discovered iron work much earlier than previously known. A conversation with the creator reveals it is a magnet when floated on a piece of wood it would show his way home. But he thought it could be used as a spear. This is a not joke, but it has humor.

Examination of an artifact can identify its function. We have to get information from the creator of the artifact to know its purpose. The purpose yields a greater level of knowledge about the artifact than just imaginable ways of how it can be used. You are in fact art and are an artifact. The question you have summoned, "What is the Artist saying?"

The Arche Electron, as an artifact also, has a profound function and yet more so profound purpose as an artifact. Examination of the sacred or mystical statements through humanity and its truthful members and its most truthful Members, Manifestations, can enable clearer focus on oneness. Examination of a physical artifact can be similar to the examination of an intellectual artifact.

There is substantial empirical evidence there is only one Arche electron. There is one only of each thing. There is one of each snowflake, all unique. There is one each unique leaf; none identical, one of you, one of each twin-unique, one planet Earth, one people on that planet, one sun, one Milky Way, one of this universe (even if there are countless others). `Abdu'l-Bahá discusses the reality of uniqueness, one thing only, being a property of everything in creation. [95]

If we weigh the proposal that in the quantum realm uniqueness does not apply to quantum entities, against everything sensible, which is the essence of experimentation, then a rational consistent scientific conclusion would indicate reality does not support that perspective. There must be another perspective. If religion abandons reason, it is superstition. Science that abandons reason is no better. Both depend on reason to get us home.

Does the Creator, convey, reveal, and implant knowledge in our minds? Every second of every minute of every day of every year of every eternity. Our problem is that we will not recognize and except what the universe, the creation, the world, the people around us, our eyes, and ears are telling us. We must come to our own individual understanding to understand our own individual

purpose. And the Creator is speaking to you personally. However, there is an elixir, a talisman, a philosopher's stone. All those realities point towards the Manifestation as the object and the source of truth. However, the message that the Manifestation's Words convey to you is in a funny way, quantum qualium kind of way, unique, encrypted, and coded, particularly for your perception of the world. No one else will get it, unless you share it and unless they so choose to understand. Each word as container of meaning conveys qualium, the heart understands the beauty of the meaning and teaches as such to conscious.

As illiterates, when we could not read the divine Scriptures for ourselves, the clergy, stepped in, and helped us. It was a great act of kindness and service. They also gave us their understanding of the Scriptures. But the time is come when we must search the Scriptures ourselves and come to our own individual understanding of the meaning. The clergy with all due respect, have been asked to step down. Their job is finished. The times have changed as predicted.

Again, in Báb's revelation, in the second paragraph of his first book of all of the 15,000 tablets, books, epistles, and letters He revealed in six years, He stated that the time of the clergy has come to an end. Paraphrase from Sholeh Quinn

My beloved physicist, as you teach us, please remember that we are struggling to acquire our own understanding. If you see that our understanding has taken us to a place other than where you've come to, please, except with humility, and kindness that we were created to come to our own understanding of physics as well. Physics is teaching us in an individual message, our relationship to our Creator. By respect we see the value of an alternate perspective.

Science is not nor will ever be a single perspective. Science is about allowing the creation to unfold and teaches what it has to teach us. This is the unity of science. Science in its highest form is about consultation, the respectful, detached from our favorite and preferred view, exchange of knowledge. The style of the Illuminati. So the idea that science has to be uniform in all understandings, all perspectives has to be the same, and that we have to persuade people to a specific view is not reality. There are imaginary unifying models ($\sqrt{-1}$) and less-unifying imaginary models (the universe is 6k years old). Unity does not require sameness. It requires re view, re search, re spect. To see other as self. 2π not complete. 4π complete.

Please let us not confuse symbols, like theories in physics, with reality. The equal sign is parallel lines that are the most equal concept that Robert Recorde could convey to us, but in fact, parallel lines are not the same. So our equations do not contain the same meaning to all of us, because of that we have parallel understandings of the equations themselves. Open mindedness, respect, will allow physics to advance its understanding, fulfill its purpose, and would give what is due to each other's understanding. There is absolute truth, our understanding of it is relative.

This is a symbology associated with the Arche electron, the electron John Archibald Wheeler presented that all of the electrons are same electron with the contingency they are all on individual paths. They all come from the same source, all have the same purpose to teach us about the principle Unity of the Creator. Principles emanate from this principle Unity: of the unity of Manifestations, the unity mankind, the unity of religion, science and religion, of languages, the unity of reason, the unity of governments, the unity of gender, the unity of nations, unity of currency, the unity of uniqueness. The Arche electrons all come from and return to the same source and are expressing to us who we are as one.

The purpose of the Arche electron essentially stated.

O CHILDREN OF MEN!

Know ye not why We created you all from the same dust? That no one should exalt himself over the other. Ponder at all times in your hearts how ye were created. Since We have created you all from one same substance it is incumbent on you to be even as one soul, to walk with the same feet, eat with the same mouth and dwell in the same land, that from your inmost being, by your deeds and actions, the signs of oneness and the essence of detachment may be made manifest. Such is My counsel to you, O concourse of light! Heed ye this counsel that ye may obtain the fruit of holiness from the tree of wondrous glory. ~ Bahá'u'lláh

This student wonders: how to walk the with the same feet? We are invited to think. Reality is once removed, like the generations. If we think like our forefathers, we can see with the same eyes. If we walk the same path, we, once removed, walk with the same feet. The path is to make the world better both internal as ourselves and external by service.

How to eat with the same mouth? Eat the same mana, once removed.

"Do not seek to follow in the footsteps of the wise; seek what they sought." -Matsuo Basho They sought to know their relation to the One. The knowledge of your own self is the divine mana, the knowledge of your path to home. Nature, the Primal Will, time unfolds the lesson Who will be your teacher?

This student, as younger, was anxious how all of the information knowledge being presented would be retained. A classmate gave reassurance. "Don't worry they're gonna repeat it and repeat it and repeat it and repeat it until you can keep it." She gave hope and courage. Repetition appears to occur in our lives until we learn the lesson. It's not actually the same event or the same experience teaching us, but repetition of the principle lesson.

Have you ever made a magnet? You can take a needle composed of steel rub it and rub it and rub it and rub it and rub it, and it becomes magnetized. Float it on a piece of wood and it will point, by inference and relations, the way home. This student's style follows that same technology thereby repeated thoughts create adhesion in this readers mind as well. It is not to persuade. You could do the same thing with an steel spear and a hammer. You hit the spear repeatedly on its blunt end and it'll become magnetized just to point to the purpose of physics. Apologia given for this student's style of ad nauseam.

The purpose of physics is to know of the First Cause and that It is the underlying structure of the universe.

Mathematics is a structure. The systematic approach can be applied to the divine realities if reverently approached and with a singular desire to understand, open free imagination, and independent investigation.

Distance = x ., Time = t , Change = Δ
 d = change in relation to another specific measurement as the related segment of measurement becomes infinitesimal (derivative)
 $\Delta x / \Delta t$ velocity = $dx/dt = x$, as particular quantization of space/time relation (velocity) as location. We create an understanding with velocity that conveys as its derivative, location in its particular reality in the field relation, location in space.

If purpose is examined as a field, and this is related to another field as calculus relates the ideal field of time to the particular field of space, then it may be

possible to better understand the relation of time to space.

Purpose as created from Creator.
Human goals understood as our reflection of aligning purpose with imaginary intention, related changes of these fields (ii) would beget what derivative?

Reference field Purpose = P .

Related field Imagined Intention = ii .

$\Delta ii / \Delta P$ (derivative) $\Rightarrow d ii / d P = \text{function}$

We create, derive, a logical tool reflecting simulated purpose to create function. Its particular reality, a tool like calculus, that has function. Calculus a mathematical machine simulates the divine process of derivative, begetting.

Háhút
Láhút
Jabarút
Malakút
Násút
(Jusaym, turaab, or ghabaar)

Names and stations of the Divine worlds:
cosmology primarily from Bahá'u'lláh's Four Valleys, derivatives, emanations, Oneness from that which is above.

Proposed understanding:
Háhút, He is, Ipsity, realm of the Uncreated One, words cannot reach or describe.

Láhút, realm Absolute Truth, the Attributes of God, Divine Purpose, undifferentiated Manifestations.

Jabarút, realm of differentiated Manifestations transmute, translate purpose into meaning and station.

Malakút, realm of the next life, of eternity related to meaning derives consciousness, a spiritual eternal existence.

Násút, realm of this world, space in time, first expression of boundaries and their meaning.

(Jusaym) particular entity

Out of Láhút, the field of undifferentiated realm of Divine Purpose interacts with the realm of Jabarút, differentiated Manifestation, related as a Manifestation for that specific time, as differentiated with a specific name, specific physical being, and a specific purpose.

Purpose = P . Manifestation = M

$\Delta M / \Delta P$ (derivative) = dM/dP = Revelation. The Manifestation creates Divine Word as Logos. Its particular reality derived, Revelation, for human

need as related to that age in which the Manifestation appears.

From meaning in the realm of Jabarút,

Purpose = P. Meaning = m

$\Delta m/\Delta P(\text{derivative}) \Rightarrow dm/dP = \text{reason}$

We reflect, create, derive science from logical reasonable sequential purposed phenomenon. Its particular reality for knowledge with meaning of cause to effect.

In the realm of Nasut,

Primal Will as Purpose = P.

Primal Will = time = T

$\Delta T/\Delta P(\text{derivative}) \Rightarrow dt/dP = \text{space}$

Primal Will as Purpose related to Primal Will as time creates, derives, Primal Will as space, its discontinuous reality begotten by continuous time.

In the realm of nothingness, the recipient, space, is potential for created things, particles, dust to be if the Divine Command says Be, it is.

Things derived by separation and containment in space. Space is a derivative of time is a derivative of meaning is a derivative of purpose (Primal Will) a derivative of the One. (It is known Primal Will is related to the One. The One has no relations, no partners. Analogies have limits.)

"The working of wonders is from one as all things came from one by the treatment of the one."

~Hermes Relations by the harmony of science and religion.

A good mathematician like Kamran Sedig could clean up this math work, so that would be clear in its translation. His remarkable insights to understanding how that learning by human mind relies entirely upon analogy are helpful. And these are a collection of math analogies. There are inconsistencies, documenting authenticity as a student, non-author-ity. However, the human heart learns by metaphor. In Hermetica, Hermes is asked why most people don't like philosophy. He expounds because the people put too much math, poetry, and art in their philosophy. It is challenge for a person to resist the temptation to put unrelated information in the writing. Their secondary interest is to let people know that they are witty, insightful, knowledgeable, or just to amuse. But that information is not helpful in what the person is trying to read and understand at the time. It is a distraction.

So, as sin?, this student did not understand the difference between a metaphor and an analogy. Searching on the web became apparent that it was unknown to the population at large. But with all the

research, it became apparent that a metaphor is a comparison, but the Author does not tell you what the comparison is comparing. The Author leaves that open for you to assign. The Author gave us free will. The Author leaves that open for you to assign: What is the vehicle and what is a tenor.

"The world is a metaphor" is an analogy about the world comparing it to a metaphor, the statement itself is not a metaphor.

A tree fell in the forest. An analogy is where at least the tenor is indicated in some way and vehicle typically is known and the association apparent. This paragraph, as the *tree*, is off subject, off purpose, as *fell*, in this thesis, as the *forest*. "*A tree fell in the forest.*" is now an transmuted to analogy. The Creator frequently speaks in Metaphor: Manifestations reflect the Creator, now as analogy.

Metaphors are exciting, as in poetry, you are allowed to discover for yourself what is being conveyed. Dr. Paul Dirac's said he did not like poetry. Close examination of his work indicates he was actually a metaphor. We love and honor him.

Elderly Baha'i Student
Clyde Arthur Keys

[95] (Abdu'l-Baha, Foundations of World Unity, p. 57,58)



The Medium of conveyance has four aspects, three apparent, one not so much. The Manifestation: Words, Deeds, Personhood apparent in the physical world. Primal Will aspect not sensible. Cognitive by purpose and meaning.

