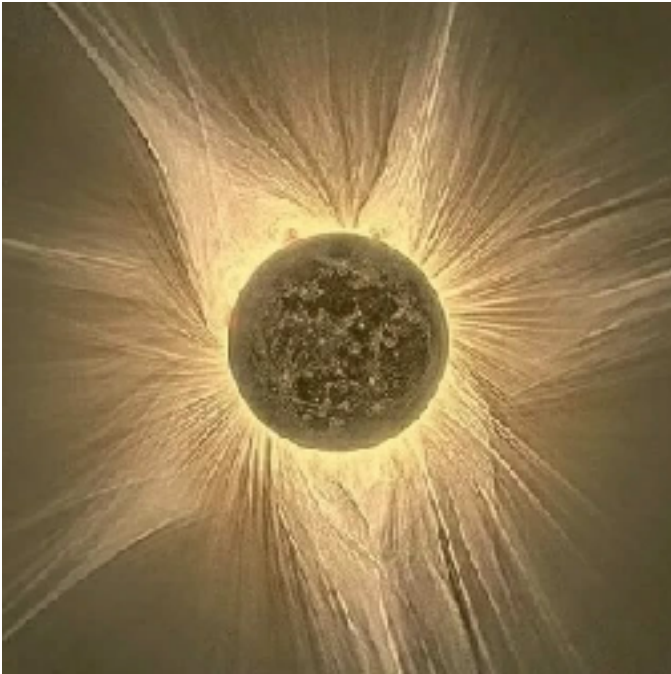


36) Dark Matter and Energy



Mea culpa, no other or institution is accountable for this student work. In what distinct Medium do these exist that they are not measurable to us?

**O SON OF SPIRIT! With the joyful tidings of light
“I hail thee: rejoice! To the court of holiness I
summon thee; abide therein that thou mayest
live in peace for evermore.
~Baha'u'llah**

The first meaning of divine scripture pertains to the Manifestation, the Holy Spirit, this is an invitation to step into the realm, the perspective that the Man of a Station, Theophany, Manifest Station exists in.

The secondary meaning is an invitation by divine knowledge to grasp the nature of our eternal placeless residence, our conscious. It also distinguishes that there is an existence that is not associated to particular segmented time, an intellectual reality, or to particular segmented or discontinuous, space, a physical reality.

You're conscious has no location space. Your conscious has no location in time. If it had location in time, then you were not you when you were five years old. If it had location in space you could not be where you were when you were five years old and be where you are now. Conscious transcends space and time.

So here is a proposal for dark matter and dark energy. The reason these are called dark is because we cannot test or measure them by their

electromagnetic presence. That is there is no response to electromagnetic stimulation. There is no electromagnetic reflection or signal to give us data back as to its occurrence or existence.

So by Ockham's razor, the simplest explanation is usually the correct one or more specifically, more accurately, "Do not add entities unnecessarily".

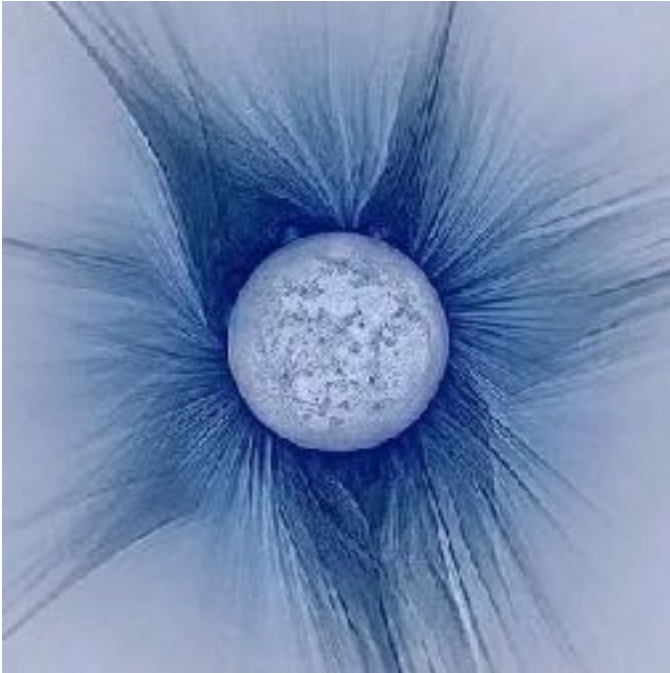
Dark matter is speculated because that when we examine the expanse of the universe's particular aspect, it should have expanded further. We therefore hypothesized that there is some unseen matter with the gravitational pull that keeps the universe from expanding as far as it should have by now. That is as far as should have by our calculations. The gravitational pull of dark matter could be perceived as temporal gravity. That is gravitational attraction that occurs from the anti-matter particles that exist in time past and not in space now. Therefore is not possible to test it's electromagnetic impact. It is proposed that it is temporal gravity, which is an intellectual reality, related to antimatter particles in time. Temporal gravity travels instantaneously, spatial gravity travels at the speed of light. It is the matter of the past this causing a temporal gravity pull for all time.

Matter $\leftrightarrow$ Energy transfers from the arena of space to the arena of time and back again. This student's best understanding is that a particle contained in space, is a particle of time, which involutes, turns inside out, and becomes a particle of space contained in time. The quantum of time contained in space is determined by Planck's constant. The quantum of space that ex-volutes into time is determined by Planck's constant as well.

Dark matter is the amount of matter required to match our calculations of how far the universe has expanded at this point in time. By physics calculations, it is concluded that the universe has not expanded as far as it should have at this time. Therefore, the proposal is the dark matter, has a gravitational pull that keeps the universe from expanding as far as it should have by this time.

Studies at the Brookhaven particle accelerator have demonstrated that there is a very discreet duration which matter interacts with his own past. Since antimatter's existence in time is that they exist in relation to eternity their gravitational attraction is not localized in space. Nor is their electromagnetic signal existent in space. And that their influence with the attraction of gravity is cumulative and instantaneous from the entire universe's past matter. It is the cumulative mass of the entire universe as anti-matter. Another thesis,²⁾

Truth $\Leftrightarrow$ Light $\Leftrightarrow$ Conscious, exams the linkage between past and present, but it's much more appropriate to see how that the linkage is from present to future. Same reality, same leakage, different perspective. This logic confirms what was identified at the Brookhaven Laboratories.



Dark energy is identified by the measured increased rate of expansion of the universe rather than what our calculations indicate it should be. And energy is the expression of the process of becoming, qadar-destiny. So dark energy is energy of future events to be. We cannot test electromagnetically future events. So combining these two relationships allows us to see the dark energy is the energy of the future. The future energy, dark energy, is calling the universe to become, stated or hinted at in religious or systems of knowledge of a purposeful universe. A universe created by a Creator who has purpose for that universe.

Dark matter on the other hand is the matter of the past. It is done, qada-decree. It is what is became ... it was. This implies is that there is a gravitational affect from matter in the past that is not time dependent. Therefore, its effects are altering the rate of the expansion of the universe now. Yet it is not measurable as present/existent in the "now" by electromagnetic methods.

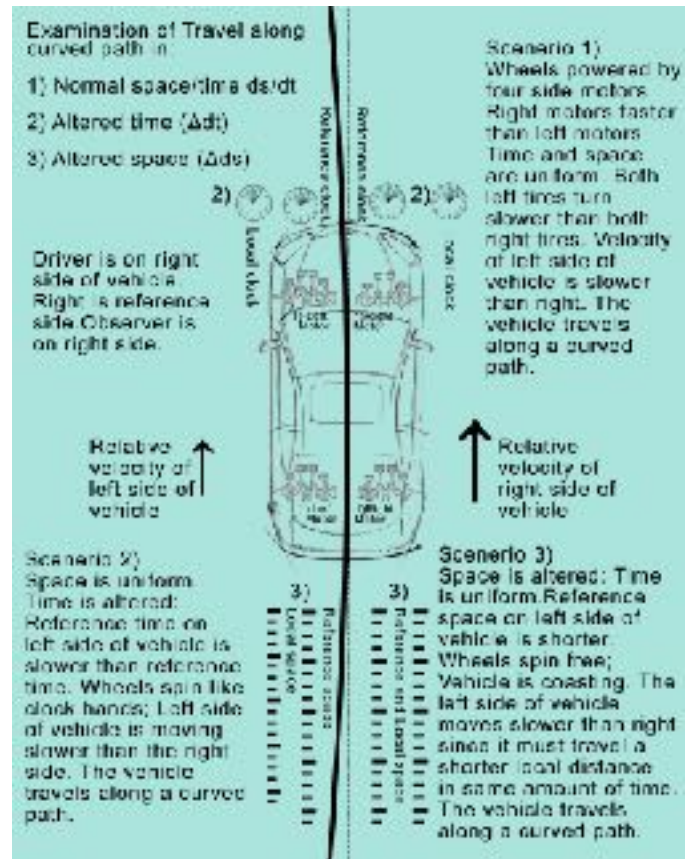


Image as functional indication of temporal gravity 2) and spatial gravity 3), compared to mechanical path alteration 1) similar to either gravity's effect.

With the separation space and time it is possible to perceive that there is two components of gravity: temporal gravity and spacial gravity. With the separation space and time it is possible to perceive that spacial gravitational waves travel at the speed of light. It is disturbances in the space field. So when a gravitational event occurs near us, we cannot measure the difference between the two types of gravity because they appear simultaneous. However, when we measure a gravitational event light years away, the signal from spatial gravity arrives much later than when the event occurred in time. Gravitational waves, that travel independent of the speed of light are disturbances and the time field, temporal gravity. Temporal gravity does not depend on time for it's manifestation. We cannot measure the effective temporal gravity of a cosmic event that occurred 40,000 light years away because we didn't have the technology or the cognition to measure it. We can measure the spatial gravitational wave however.

That is why the mass in the past has an expression of cohesion of the universe, limiting its rate of expansion now. Temporal gravity is not time dependent. Temporal gravity is caused by the Arche positron-, Arche proton-, and the anti-neutron-/+ . However, it's cumulative effect, its

integrated quantity creates the substantial amount of mass effect required for dark matters contribution and its effect at our current time and the current rate of expansion of the universe.

This student's best understanding is that the spatial gravity we measure is a spacial disturbance or spacial compounding of the Arche electron-, anti-proton-, and anti-neutron-/± which exists in space. The proton+ itself actually exists in time as a positive charged particle. The positive and negative charges of bi-particles, matter and antimatter, is indication of their presence in space or in time.

It is noted that particles and anti-particle have a different manifestation. It seems negative particles exist in space and positive charged particles exist in time. Their complementarity particles have alternate location, one in space and one in time thereby are not co-existent.

Spacial gravity is caused by the Arche anti-proton-, (1843/1844 total now gravity), measurable mass portion of the universe. Those who dwell in the realm of numerology would recognize that 1843+Primal One holds information that some would consider to be coincidental. And those same people may consider that the beauty of the sunrise is merely coincidental and correct us that the sun does not rise.

Dark energy is expressed by non-spatial locality. Similar to entanglement which is expressed by non-temporal locality. So therefore, we cannot locate where the energy signal is coming from. Dark matter is expressed by spacial locality as well.

So this premise is that dark energy of the future causes things to occur in the present. In alternate words, the energy and rate of expansion of the universe at this time is occurring because the future has the necessary energy to cause things to occur now.

Reading these thoughts seems very antagonistic to conventional perception of cause-and-effect. The cause-and-effect is not merely by previous events, causing future events. That is our perception. We perceive time as vectored. And that things cannot occur unless they unfold by time's mandate. But there is non-temporal causality. The divine reality, the Primal Will, causes things to occur is not dependent upon time or limited by time's "vector". Our consciousness is. Our spatial consciousness is. After our death, our spatial consciousness will no longer be associated to space. It will have a different perception. The best

this student understands is that the energy of the future calls things into being.

Man's concept of destiny has been set aside. Man needs to step back into that concept and understand it to a depth that did not before. Destiny is the Will of God. However, The Báb makes it clear that everything has a degree of freedom. This is an innate foundational structure of every created thing. Ironically, paradoxically, given by the Will of God. So the process is occurring. Electrons have a degree of freedom as quantum physics suggests. There are at least two solutions to the wave. But the wave has limitations with regard to its frequency and to its amplitude. There is, essentially, a binary possibility to every created thing.

The quantity we measure as dark energy, in this student's understanding, is a measure of God's command BE. And our response IT IS. Dark matter on the other hand is a measure of IT WAS, meaning decreed. Dark energy is the energy of purpose. It is the qualium of purpose. Dark energy is the energy of destiny.

Necessarily you will not see these ideas expressed elsewhere. However, this student states emphatically and clearly that these are ideas are not his own. Ownership of understanding is imaginary. Humanity at this time has science that evolves by consensus. Others likely have had these ideas already. We have conveniently forgotten them. Science is that someone publishes an idea, offers it to the group of humanity, humanity examine it and decides whether or not it is acceptable as being true by consensus and being rational and repeatable. So our nomos intelligence information that examines what the consensus of thoughts available on the Internet are leaves you primarily with what has been accepted by the scientific consensus. So therefore, our information input is limited, in that, it is relying on consensus or selective crowdsourcing; the selected crowd who identify themselves by their degree or recognition by others in science. So our reason allows perception that either the concepts of dark energy and dark matter are imaginary in that they have no existence in the measurable physical universe, or there is separation (non-continuum) between components, the qualium of space and time.

So by Ockham's razor, we will not add the entities of dark matter and dark energy. Instead, we will recognize, re-define that the future we cannot see, and the past we actually cannot measure. Dark matter is temporal gravity's pull from matter of the past. Temporal gravity is not bound by time, it is temporal. In the same way, time is an intellectual

reality, so is temporal gravity. Dark energy is the energy of the future, temporal energy that causes things to become. Is the gently lighted **Right Hand**, the Creator's Primal Will.

And now, comprehend the meaning of this verse: "The whole earth shall on the Resurrection Day be but His handful, and in His right hand shall the heavens be folded together. Praise be to Him! and high be He uplifted above the partners they join with him!"

In like manner, reflect how the elevated heavens of the Dispensations of the past have, in the right hand of power, been folded together, how the heavens of divine Revelation have been raised by the command of God, and been adorned by the sun, the moon, and stars of His wondrous commandments. Such are the mysteries of the Word of God, which have been unveiled and made manifest, that haply thou mayest apprehend the morning light of divine guidance, mayest quench, by the power of reliance and renunciation, the lamp of idle fancy, of vain imaginings, of hesitation, and doubt, and mayest kindle, in the inmost chamber of thine heart, the new-born light of divine knowledge and certitude.

Thereupon Jesus lifted up His head and said: "Beholdest thou not the Son of Man sitting on the right hand of power and might?" These were His words, and yet consider how to outward seeming He was devoid of all power except that inner power which was of God and which had encompassed all that is in heaven and on earth. How can I relate all that befell Him after He spoke these words? How shall I describe their heinous behaviour towards Him? They at last heaped on His blessed Person such woes that He took His flight unto the fourth Heaven (Jabarut).

The quotes above from Bahá'u'lláh in The Kitab-i-Iqán. The first and foremost meaning of divine scripture refers to the Manifestation as the Primal Will, the Holy Spirit. Way down the line in possible understandings is this student's understanding that it is referring to the Creators in enfoldment of time and space into the causality of the physical phenomenon we experience and observe by our conscious minds. Physical phenomenon, such as how far of the universe is expanded and at what rate is currently expanding. Is it not reasonable that we human beings, as we examine the skies, the

heavens, that would we would see evidence of the Creators, Right Hand of power?

As we, humanity, advance in age our past looks different to us and our future looks less certain. This is true of us as individuals as well. How ever, as we read the writing to the Manifestation of this age, we come to understand, our past is forgiven and our future has a purpose that we fully don't understand. Yet, we have been commanded, invited, to pursue the good of it. Our free will⇌will

determine our future. That is our degree of freedom. To recognize the Manifestation or not. May we accept the guidance we have been given.

Elderly Baha'i student,
Clyde Arthur Keys.

Images of solar eclipse seen by the Hubble telescope and the inverted image to a negative were posted on the Internet by Clark Gregg