

QESdunn - Controlling Time and Space

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Separable Control of Space, Time, Gravity, Energy, and more
Functioned Quantum Entangled Singularities (QES)

Relativistic Matter as entanglements amongst Higgs-Boson & Gravity moderators
Relativistic Energy from relationships of Space, Time, and Gravity
Relativistic Gravity from Entanglement Moderators
Space from Scalar Functioned Entanglements
Time from Causal Functioned Entanglements
Systems of Quantum Aliasing with Transfer Functions providing “Probability Aliasing”
Singularity Mechanics supporting superposition of Relativistic Mechanics

Sub-atomic particles formed by systems of functioned quantum entanglements

This Theory of Everything (TOE) is based in modern experimentation techniques and a practical methodology pathway is provided herein that provides the tools to easily prove wrong the proposed relationships. Such attempts are encouraged. QESdunn unifies not only Electromagnetism and Gravity, but also instantaneous properties of entanglement and gravitational aberration, as well as all anomalies of physics.

Important is that the person reading this considers any other known pathway for actively controlling separable systems of time, space, gravity, energy... and that current laboratory equipment is all that is needed to develop the systems of experimentation in support of QESdunn. Accelerators are operated by many Universities, and Colliders are available to many University Faculty. The experimental setups provided form the foundation for disproving the relationships provided. Having failed to disprove the relationships, tools to control time, space, gravity... come into view of the horizon.

The pathway is not without benefits. Quantum entanglement characterization is expected to produce tools that will enable new capabilities in the STEM fields of study.

In the expanded publication, pathways of creating the tools cited in the Appendix are provided.

The following cited relationships are to be considered conjecture until confidence is attained derived from experimental efforts having been unable to prove wrong the relationships. Experimental setups are provided for physicists and engineers to attempt to prove that any observable physics is inconsistent with the QESdunn TOE.

The following proposal includes a University Alliance to share in constructive development of the tools to allow for the active and separable control of space, time, energy, gravity...

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Foreward

The content proposes a pathway to develop the tools needed in our future. One development relatively straightforward to implement would be the disassociation of matter (FERMI: Total Annihilation Project) to cause tremendous energy availability and directly converted into a field for protecting the Earth. The kind of energy needed for protecting the Earth from a near region supernova; more energy than the combined resources of all our present fuel systems on Earth.

Go to Chapter 2 to skip over the basic concepts for consideration.

A large number of step-events will be required to use the following form of reasoning. We are in need of accepting that interactive abstract relationships are important to our separable control of space and time.

Perhaps DARPA will carry this research forward more quickly with the grants they provide involving Quantum Entanglement (billions of dollars).²

[http://www.darpa.mil/Our_Work/MTO/Programs/Quantum_Entanglement_Science_and_Technology_\(QUEST\).aspx](http://www.darpa.mil/Our_Work/MTO/Programs/Quantum_Entanglement_Science_and_Technology_(QUEST).aspx)

A recommendation is to have a single University host the University Alliance commission on the advancement of controlling space and time. As such the nearest pathway for constructive results can be actively managed. Additionally, recommended is that a National Laboratory be in the direct vicinity of that University; thus providing a sustainable environment for developments.

Due to the ethical concerns of independent use of tools developed, a system of oversight is proposed that “Independently” increases freedoms while simultaneously increases security.

<http://eliminate-all-corruption.pbworks.com>

Consider what a terrorist, or high school student, will be capable of doing with this knowledge 50 years from now.

Chapter 1: Concepts

Complications in our Observable Physics

At the limits of Classical Physics, the Universe cannot be understood; but in any model proposed ALL of Classical Physics must hold true.

Not understood throughout history were the limitations of the human mind in being able to manage the vast relationships needed to understand how everything is connected, and how time seems to be incongruous. We have consistently created simplifications to match our limited sequential minds, and ignore the parallel consequences.

- every point of matter acts seemingly different than every other point of matter; the same sub-atomic component acts differently in what seems to be exactly the same environment
- matter seems unique, with many repeating components; almost addressable (atomic structure)
- every point of matter connects to every other point of matter in the Universe
- every point of matter in the Universe acts upon every point of matter we observe
- energy seems to flow without interaction with some matter
- energy can willfully be made to interact with matter
- special relativity seems to allow predicting previously unknown artifacts
- time is not related to anything instantaneous (though we try with $1/0$, i.e. tending toward infinite)
 - time is a required component for all forms of energy
- position seems to be independent of anything instantaneous
 - a change in position is required for the existence of energy
- gravity has both an instantaneous component and components related to time
- photons (light) appear to have both properties of waves and of particles at the same time, which has made modeling in math difficult because it depends upon what plane of perspective a person is considering the relationships
- electromagnetic formula do not contain the same relationships as required for gravity
- Physicists commonly linearize non-linear relationships (i.e. transforms) and ignore “noise” (probabilistic influences) which skews the actual observable relationships
- particle physics methodology will not provide a pathway to separable control of space, time, energy, gravity... unless by accident because there have not been any separable functions for which they can relate

Neither Electromagnetic theory nor Gravity theory in any way reasonably explains quantum entanglement or gravitational aberration; and therefore both of these theories and accepted functions are separately, and in combination, incomplete.

The equations force observing the phenomena only from a limited perspective.

Correlating the Universe in Logical and Relatable Terms

$E=mc^2$ forces a perspective of consideration; a constant. There are other perspectives of physics where the speed of light is not a consideration, such as entanglement, or gravitational aberration.

The “mathematically constant” relationships caused by $E=mc^2$ establishes an invariable system. There is no point in trying to find variability in a system that is intended to be invariable. Another form of mathematics is a necessity. To control Time and Space, a system of observation and control must be one that can reproduce valuable cause and effect, but one that is applicable to any “chosen” perspective, no matter how abstract we want to investigate causal relationships.

Unified Field Theory has tried to correlate electromagnetism and gravity for many years unsuccessfully, because in this author’s perspective, a lack in understanding as to the basic components and structure of matter and energy, and the lack of tools in modeling the interactive relationships.

Again, the same problem prevails: all that is not observed is considered to be noise, not useful. When we are looking to find something new, it would seem to be logical to include as much information as practical and identify as many abstract relationships as we can. Organize them in a manner that exceeds the capabilities of the human mind through computer database systems. Create triggered events that help the researcher associate these abstract relationships; a DARPA QUEST initiative.

The following proposition provides for an intuitive correlation between time and space, and therefore, gravity and electromagnetism. The proposed system is inclusive of both quantum entanglement and gravitational aberration; both of which have instantaneous properties. Additionally, all the known anomalies in physics can be represented.

Of principle interest here is that even if the ultimate foundations of physics are found to be different than expected, the pathway proposed still provides a bases for active and separable control of space, time, energy, gravity...

To test these relationships a gravity radiation experiment is proposed in detail in volume 3 of this series to provide an environment to explore these relationships at a relatively low cost (in terms of institutions, not individuals). The AutoCAD files for the MEMS device will be made available for test device reproduction (~160 per wafer; ~\$500 each unpackaged).

Keep in mind that from the perspective of the author, Space and Time are derived artifacts in our Universe. Energy and Gravity are the result of aliased relationships of what we currently consider to be abstract interactions. The ONLY foundational structures in the Universe are instantaneous in nature. This removes all ambiguity related to mathematic dimensions; there is no dimensionality in the foundations of the Universe. Any assigned dimensionality instates boundary conditions and no such constraints exist.

Definition: Instantaneous means “unrelated” to time; not infinite speed.

By correlating abstract relationships observed and logging them into a database where new fields can be created at any time

to include new observable or derived qualities, abstractions of Time, Space, Dimension, Entropy, Red Shift, Dark Matter, Sub-Atomic Particles.... can be identified and control implemented.



Aliased Relationships create the elements we consider to be atomic structure; confluence that we observe to be structure. ³

Electromagnetism and Gravity are not directly related to the fabric of the Universe

Energy requires time as part of its units. http://en.wikipedia.org/wiki/Units_of_energy

$$E=mc^2 \text{ or } m=E/c^2$$

- E is energy
- m is mass
- c is the speed of light

mass and speed also require time as part of their units.

$$1 \text{ J} = 1 \text{ kg} \left(\frac{\text{m}}{\text{s}} \right)^2 = 1 \frac{\text{kg} \cdot \text{m}^2}{\text{s}^2}$$

- J is joule (standard unit of energy in science)
- kg is kilogram
- m is meter
- s is seconds

A major perceived flaw the author cites in the above relationships is that the Theory of Relativity is based upon a fixed constant,

“c”, the speed of light. Because of this constant, exploring other dimensional relationships becomes at best, difficult.

Other “mathematic dimensions” are created (see E8 and the Theory of Everything) to approximate the accounting for of observed relationships that cannot be modeled with less dimensions. Even this is inconsistent in the extreme. E8 DOES NOT imply that the universe is filled with other dimensions composed of energies and masses that are different than our own. In the case of E8 it is just an attempted mathematic representation of what we see around us; observable physics.

In actuality, there are likely other mass-like energy-like systems that occupy the same environment we perceive ourselves living within. But that is a later topic.

Both a change in Time and a change in Position are required for the existence of Energy. A zero change in position given a change in time results in zero energy. A zero change in time for a change in position results in infinite energy. For mass to exist in any form there must be both a change in time and a change in position of “something”.

Emphasis is on “something” because that is the topic of discussion here, isn’t it! “Something Exists”, but we do not know what “Something” is. When it comes to separately controlling Time and Space, anything is potentially possible. What we consider Mass can take on any qualities of our choosing; so we must be cautious in the consequences of our investigations.

Imagine a neutron moving faster than the speed of light; what happens to the gravity component? What level of radiation can be expected to be emitted? What are the effects upon Dark Matter; if it exists? Since most of the Universe is composed of Dark Matter, are there related creatures that can be harmed from our experimentations? Will they in turn harm us to protect themselves?

Likely we will attempt to plead ignorance and expect to be forgiven. Is that valid? Currently we try things and see what happens. In particle physics we do not have a system that allows for making predictable discoveries; only predictable inconsistencies.

Part of the proposed system of investigation is to attempt to find the potential entities that may be impacted from our manipulations of space and time; including ourselves.

The energy of the entire mass of the Universe is insignificant as compared to accelerating a single atom tending toward instantaneous speeds; according to mathematics. There are an infinite number of multiples of the speed of light; each a potential universe of perspective relationships.

The entire observable Universe seems to be limited by the speed of light. The difference between the speed of light and infinite speed is unrelated in our current systems of evaluation. Therefore anything instantaneous has no direct relationships with matter or energy. Yet gravity and photons have observable and seemingly instantaneous properties. Therefore matter and energy have direct relationships with everything observably instantaneous; seemingly two parts to the something.

Time and Space are grouped together in our Observable Universe to create a constant relationship in traditional science. Time and Space is forced to be invariable regardless of qualities not yet observable in the Universe; or disregarded as "noise".

Based upon this insight, keep in mind that when monitoring data points for observations, time and space need to be extracted from the variables so that the probability relationships are not skewed back to "meet expectations". Whenever the number of particles hitting a target is

characterized, effort to identify relationships without time and space will likely be difficult because we have become so accustomed to using these relationships to reference everything to something we collectively call time.

So this becomes the challenging part of this system of separate time and space relationships. What do we monitor, and how?

Modeling the complexity of observing from the inside

The following describes the Universe as a mathematics model of quantum entanglements. This first section creates a mental image of the two dimensional complexities involved and why classical modeling is insufficient.

Select twenty-thousand different materials; pair them so there are 10,000 compounds. Gently swirl each compound and freeze them into 1/10,000 of an inch layers. Stack these 10,000 layers to make a 1" laminated block composed of those layered materials. Reproduce that same block ten-thousand times. The result will be ten-thousand unique blocks. Each of them has for each layer, unique swirl patterns.

Each separate block has seemingly random thin layers of waves and particles sandwiched together. This you can see with retrospect. However, from inside how do you determine your surroundings?

These blocks do not represent anything related to the Universe other than the artifacts of mutual influence of everything in the Universe. This is being used to create a mental image of the multidimensional mathematic relationships that form when only a narrow perspective is observable or accounted for. Mathematics has difficulty creating formula that model all the

relationships that exist in the same place at the same time: temperature, pressure, densities (electromagnetic, materials...), wavelengths (color, phase, spectrum...), ... Notice there are far more properties in nature than we have sensors to detect in the real-time relationships. Similarly, we do not have the mathematic computing tools to address these real-time relationships over all real locations and times.

But to control separable time and space we must manipulate with exacting detail numbers of concurrent events that exceed the most advanced computing facilities.

The method by which this becomes practical is...

See source book for elaboration¹⁰

Depending upon your reference point within the plane of each block, the Universe from inside the block looks quite different from one point of reference to the next. Dominant formations in your vicinity become the focus of your attention. With enough time your investigations will eventually discover the nuances in your world, nuances which are dominant in other points of reference.

Now cut 1000 blocks along unique planes but through the same point of reference. From that point of reference a great many observations can be made to describe the block. But the swirling of each layer remains unseen. Seemingly unrelated influences occur. Each sequential block represents a change in position. Time is frozen, there are no new associations. Layers previously entangled, remain entangled. Thus is the problem related to $E=mc^2$.

Now cut 1000 blocks along unique vectors but through the same point of a different reference. Different perspectives will describe the same block. Each block a representation of quantum property sets. Yet the unrelated influences still seemingly exist, and they appear differently than the previous block.

Do this for the remaining 8000 blocks, in increments of 1000.

What you find is aliasing between the systems of block planes inspected. Correlating probabilities of the properties created as "place holders" eventually yields correlations for seemingly unknown (abstract) reasons. Discovered will be the stratification's that were not observable in using just two systems of reference.

However, still hidden are the swirling transitions that occurred beyond the 1/10,000" slice created. The non-observable swirling relates each of the separate blocks in their paired planes of existence. The basis for existence of the swirling structures lays in the aliasing between each block, and of the entire set of blocks. Math describing a set of probabilities (Quantum Mechanics) and Probability Aliasing that describes what we consider to be matter and energy; of time and space; Relativistic Mechanics.

The investigations done by super-colliders reveal some of these relationships like that of the dissection of blocks cited above. They provide node analysis of what we call sub-atomic particles so that the different perspectives of observation will better describe the block that is our universe.

Things that have no reference to time "may" be instantaneous connections (entanglements), numbers of items, numbers of steps, numbers of seemingly different properties, properties involving seemingly abstract relationships... But emphasis here is that light frequency, size, time measurements, position measurements.... are not related directly to the foundation of physics. They are relativistic relationships superimposed upon the system which is the foundation of physics.

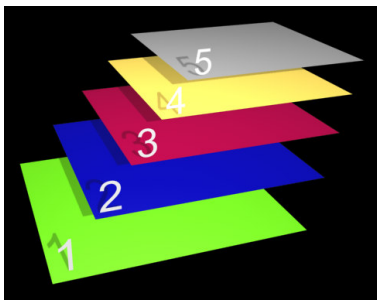
Getting Small

In classical physics we can only hope to relate things that are relatively large, large collections of influences that cause dominant behaviors. But for things very small, small things ignored in large bodies like ourselves, become significant influences. However, for very small things a great many other things still have unmeasured influence, so probabilities are used to collectively identify that system of influence; inclusive of noise.

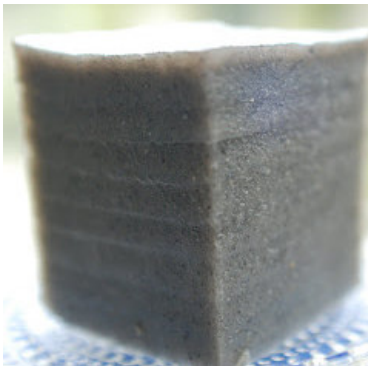
Quantum Mechanics is the mathematics of probabilities. We can bundle a large number of unknown influences into observable packages and give that package a set of probabilities to describe that package; making the package repeatable and therefore useful.

Basic Equations currently used in Quantum Mechanics:

web.mit.edu/birge/Public/formulas/quantum.pdf



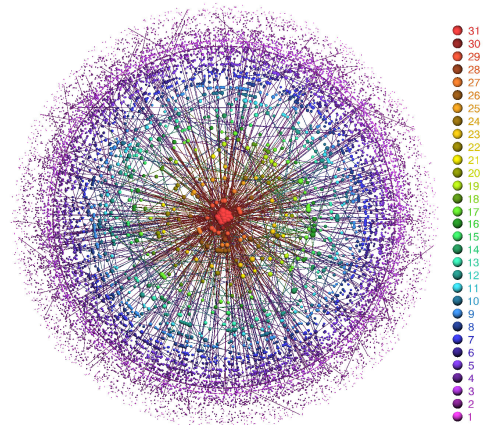
Stacking of layers⁴



10,000 layers⁵

As previously described, take a system of thin layers that become almost indistinguishable and add a warping of the planes. Imagine being in the center looking outward. How could you experimentally define your Universe? Unless you realized that your Universe had planes, you would not know to investigate the possibility of characterizing your math models to reflect this simplification. Looking for patterns in a cross-section provides some insight. But the end view comes from being outside of that Universe. What does the end view of the block tell you about the interior of the block? In what plane do you pose investigation? As can be seen from the top of the block on the right, the layers are not flat planes. Through what cross-section would an equation be without anomalies? Exact equations cannot be found.

Now consider that you don't care what it looks like. You just want to do something useful with it. If you characterize the qualities of your Universe without regard for how it looks, you can feasibly take advantage of the conditions that exist in each layer, without even knowing what the layer looks like. We are more interested in "what appears" to be abstract relationships that can be used to systematically implement a desired set of outcomes.



Controlling the Environment to Cause an Outcome⁶

There are no abstract relationships in the Universe. There are only less understood relationships. Everything is connected. Everything has influence. Direct or indirect, the influence still exists. If there is zero influence, than that “something” is either not fully understood, or it is not part of our Universe. But the act of observation makes it part of our Universe or it would not be observable.

Each of the above points is an abstraction of identified relationships. Each of them exists in at least two different spheres of influence for a desired result; in our interest, space and time. There are many more spheres of influence that might be characterized by a sub-atomic particle at the tip of your finger or even dark matter.

So we now see the model by which we control time and space. By controlling the many abstractions of “noise”, we force an event. By forcing a system of events, we exert influence to create a desired environment.

We cannot manipulate these relationships using computer systems because the number of interactions of even a small system of relationships exceeds the total number of bits collectively existing.

See source book for elaboration¹⁰

How does this relate to our need? Manipulating systems of step-events can feasibly result in FERMI: “Total Annihilation”; a nuclear process that has no radioactive waste and that can provide the world with free energy. We would only be

paying for the distribution network. We can create space based colonies anywhere within many diameters of our solar system through self-contained environments. Total Annihilation as a nuclear process does not in itself provide the tools to travel easily to other solar systems. Even traveling at $\frac{1}{2}$ the speed of light, it would take about 10 years to reach our nearest neighbor. Interacting with a softball size piece of space debris could ruin our entire trip. With just this tool we cannot protect the Earth from a supernova. Other mechanisms of control over space, time, energy, gravity... provides other capabilities like displaced gravity and moving objects out of our path of travel for example.

Take notice that three dots always follow space, time, energy, gravity... the reason for this is other abstract properties have been identified that influence causal relationships from a great many perspectives; each a tool.

These will not be shared at this time.

Why Use Quantum Mechanics?

Bending Space and Time are expected in environments where Time and Space (distance) are separable.

Separable in “this case” means that a position change is possible with limited or no consideration for Time; and vice versa.

Scientists choose to cut the Universe along certain perspectives in an attempt to make the equations easier to work. Like gravity, we choose to work from the center of masses in an attempt to keep the math simple, because describing a flat plane of gravity normal and at some distance from

the center of the mass is messy. We assume spherical planes as first approximations.

However, gravity is the sum of ALL vectors from the entire Universe, not just a local point source. Gravity fields are never perfectly spherical; this is just an approximation of the related force. Gravity is the connection between masses and influenced attributed to Dark Matter. In the case of Mass, gravity is a function of relationships having to do with complex components of sub-atomic particles.

However, we have come to know that sub-atomic particles are not at all composed of particles. Additionally, Einstein's Theory of Relativity applies.

In what environment is relativity a fundamental component in observable sub-atomic relationships?

Supposition: Sub-atomic particles are relativistic relationships of quantum entanglements.

For simplification in understanding, all that follows will assume the supposition is true so that constant reevaluating of systems of relationships do not need to be cited repeatedly.xxx

Quantum Entanglement is the apparent "instantaneous" linkage between two or more observable artifacts.

Search "Quantum Entanglement" online.

Relativistic collections of entanglement provides "everything" we observe.

Quantum Mechanics attempts to simplify math operations also. But assumes that we

do not understand the complete relationships and probabilities are assigned. So as greater usefulness occurs together with representation by abstract relationships, probabilities become more certain. Where the limitations of mathematics in classical physics (exact interpretations) prevent abstract knowledge, in quantum physics abstraction is the norm. Identify something useful and capitalize upon it, even if it is not understood completely.

<http://johanw.home.xs4all.nl/contents.html>

The above-cited link provides a free pdf book for getting started and to use as a general reference.

Be careful for what you are looking for in quantum physics, it is easy to include variables that can contradict what you are looking for.

For instance, if you are looking to control time and space, then variables of time and distance must be excluded or the outcome ends up depending upon preconceived notions and skews the result. The following is intentionally a non-standard format to show the ease in which relationships are corrupted.

For example:

Assumption: a straight line exists where X_b is larger than X_a

Distance = Rate x Time

$$X_b - X_a = [|X_a - X_b| / (t_b - t_a)] \times t \text{ (a to b)}$$

X_a, X_b are positions
(meters for instance)

t_a, t_b are times
(seconds for instance)

Distance (a to b) =
[Distance (a to b) / Time (a to b)] x
Time (a to b)

This is true, but what did it contribute? This is typical circular logic. And in the case where X_a is larger than X_b it is absolutely false.

Also, this is a generalization in mathematics and is not reflective of the actual physics needed to follow a path. For instance, jump up one meter. The equation in no simple way reflects the relationships needed to transition in free-fall at a particular place within a field of gravity; except in one unique perspective.

Mathematics is a "Tool" and should NEVER be thought of as having the capability of being an all-inclusive capability for modeling the actual physics of the Universe.

The most imposing issue of Mathematics creates constraints.

Be careful of Quantum relationships that have embedded within them circular logic; especially as it relates to time and space. Often, time and space are embedded in the units used and the circular logic nulls the useful outcome.

When some new abstract relationship is discovered, all the previous relationships must be updated to be inclusive of the new findings, or the results become "sometimes true".

So if Time and Space are NOT included in the relationships that are intended to control Time and Space, how do we convert the

discovered abstract relationships to methods of controlling Time and Space?

The entire Universe is composed of step-events; quanta. Separate systems of step-events are relativistic in nature between system abstractions of time and space. To the Universe, Time and Space are derived functions. We as people think and see within those abstractions. But they are not foundational components of the Universe.

These abstractions called time and space are highly useful. But consider all the other abstractions that can be equally as useful, but we are at present almost completely unaware of their existence like "Inception" (feedback between scalar systems of consequence and evolution). This has little to do with cognition, this is just part of the interactive systems of consequence.

Quantum Physics provides a means of assigning certainty to predicted outcomes; something very useful. Like getting onto an airplane; you assign a certainty to the outcome. Quantum Physics more closely models life, and Quantum Mechanics helps provide the mathematic tools to correlate models we build and consider, to the quantum Universe we come to observe.

Understanding Probability Aliasing – Where do we exist?

Aliasing is apparent formation of new waveform artifacts from what is considered two or more base waveform artifacts. Like watching a propeller on television that is spinning at 1800 RPM clockwise, but the video camera takes snapshot frames at 30 FPS, the effect being that the propeller appears stationary.

Still looking at the propeller with a camera; the throttle is reduced slightly and RPM decreases slightly by 17 RPM and the result is that the apparent propeller rotation is slowly backwards at about 18 RPM instead of its actual 1783 RPM in rotation. But the camera is still clicking along at the same rate of 600 FPM. Every frame of the camera is 1/600th of a second.

Attempt to touch what seems to be a propeller spinning at 18 RPM, and your hand will get whacked by the propeller that is spinning at 1783 RPM.

Is the propeller that appears to be spinning at 18 RPM real? Yes, if you appear to touch it synchronized to the 18 RPM, your finger will touch the propeller. But, there will be other artifacts one would not expect. Inconsistencies! These are what are looked for in experiments involving probabilities. The energy imparted upon the finger would be much more than the energy produced by a propeller at 18 RPM. This would lead to investigating the 18 RPM universe further, and hopefully discover the 1783 RPM universe that we previously could not see.

By changing something controllable, observables can provide new perspectives regarding a body of information.

This is aliasing, and it occurs in “systems of probability” as well. The probability that the propeller will be in any angular position, is provided by a probability function with a great many variables that describes how the Universe acts upon the propeller and its environment, both directly and indirectly. The probability function for the propeller is a vector with components like: clockwise/counterclockwise, complex variations in acceleration, axial/radial vibrations... The propeller is oscillating in almost every conceivable respect.

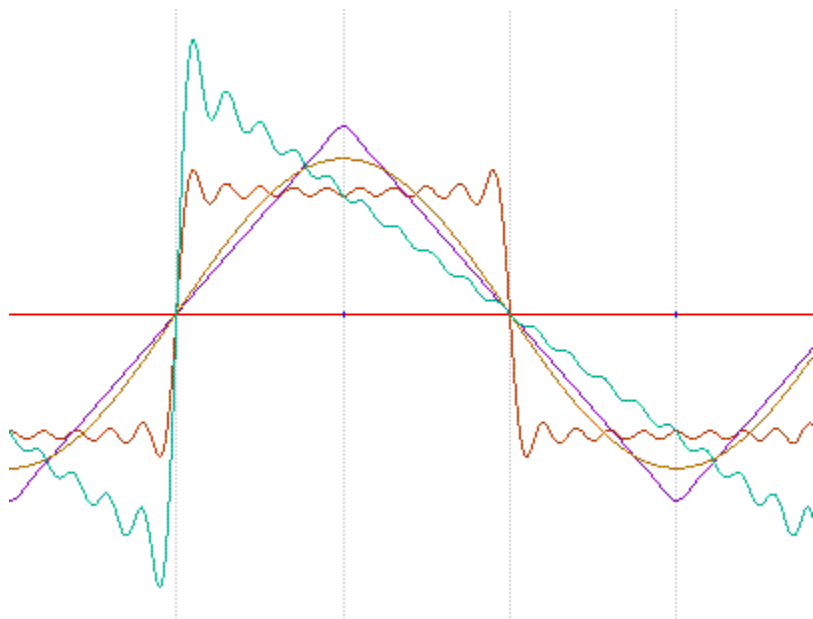
Very similarly, the same is true for sub-atomic particles.

Definition: "Probability Aliasing" - The phase-shift, ratio biasing, event propagation delay, or any other "repeating system change" in one or more probability sets resulting from interactions.

Of significant interest is "resulting from interactions". Consider that nothing in the real world is static at the subatomic level. Everything spins, oscillates, and/or vibrates. Therefore if a single item imparts these changes upon the Universe, the Universe as tending toward infinite numbers of elements conversely act upon each element we observe; no difference to how small (infinitesimal is as elusive as infinite).

Consider that the collective total number of interactions of every sub-atomic particle in the Universe is insignificant as compared to the total number possible in a Continuum.

Each element that we discover is a collection of dominant probabilities that describe a package of influences. However, there are non-dominant probabilities resulting from the influences of every "entanglement" with components of the Universe. In the right situations these small components can work together to become locally dominant influences. Again, locally meaning somewhere in an event-based propagation of steps.

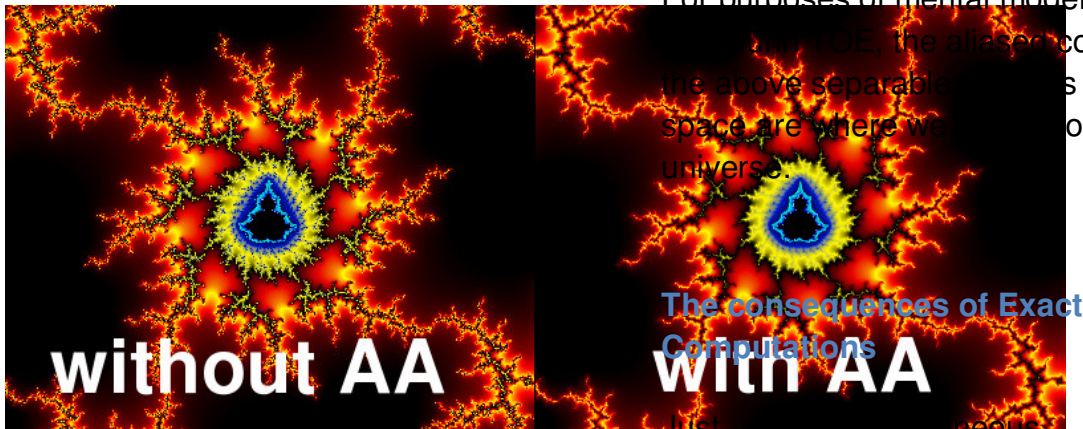


Aliased Waveform¹¹

The above picture shows both a time delay (causal influence) and aliasing in a 2D representation. Two different waveforms of different characteristics that are aliased together can provide a desired waveform; but with different characteristics from either initial waveforms, and commonality to both as well.

Waveform Red is mixed with a 90 degree phase shift of waveform Blue, providing a resulting Relativistic Waveform Green.

The below shows the difference between 3D fractal probabilities aliased with a color filter function called AA¹²(Anti-Aliasing). Notice in addition to the color changes, the intensity has changed as well. Upon close inspection, many different products were aliased to produce a "Relativistic" observations. In the "without AA" tentacles, notice the many relativistic structures. They largely do not exist when aliasing is removed.



Aliased 2D Graphics¹²

Without Anti-Aliasing (AA) the above color system is composed of two different equations and systems of mutual influence. Liken the aliased color features as Time and other features as Space. In this system Mass and Energy exist within a system of

mutual shared relationships. These are realized relative to each other, but to us as an after the fact onlooker, we only see the relationship and not the live interactions.

With AA, the above is composed of two different equations and the mutual influences have been removed. Those color relationships are now missing and represent systems without mutual influence in a particular perspective. Space and Time may exist in other perspectives of the same system, but not in the system of relationships where anti-aliasing is effective.

These are what appear to be abstract relationships to us. There are so many relationships that we are overwhelmed with consideration. Computer systems are ideal partners for automatically isolating and relating systems of relationships; they do not exhaust and if programmed well, can see relationships we cannot. Genetic algorithms are one example of programming for finding hidden relationships.

For purposes of mental modeling of the above system, the aliased components of the above separable systems of time and space are where we live in our observable universe.

The consequences of Exact Computations

Just as "instantaneous" (time) is a dimensional space we cannot presently measure, so too the concept of infinity (space). While we make conceptual approximations to the inverse of these dimensions, the inverse does not describe anything except within mathematic models. And even then it is better described as indeterminate (inexact) rather than infinity.

How do we create a scalable number that is very large or very small, to work with in modeling relationships with mathematics? Our computer systems are limited in the number of items that they can track. We have become accustomed in the extreme, to approximate everything.

We are given two choices in regard to time and position. Approximate the magnitude of influence, or approximate the likelihood to occur. Accuracy and precision are derived functions of these basic qualities.

Probability approximates the likelihood to occur, while measured tolerance approximates the magnitude of influence. In the following, both will be combined to provide a common system to simultaneously relate both magnitude and likelihood. This provides a system of simultaneous qualitative and quantitative assessment of observable metrics. This also provides a linear method of relating non-linear relationships.

In science there are far more non-linear relationships, than there are linear. But we get useful service from approximations. Walking 5,000 feet is close enough to a mile for most people's purposes. We as scientists and engineers are very comfortable with declaring "close enough". A highway 6" wider than designed is not going to be discussed. A chemist works with 6.022×10^{23} without any concern; confident of the result it will provide. A physicist may add more precision by using more significant digits 6.0221412927 but these are still gross approximations for the number of molecules per mole weight.

For physicists, when a repeated nuclear experiment produces an errant interaction 1 occurrence in 100 attempts outside of purely random results, the event is of importance. When the precision is governed, and the probabilities are mapped in great detail, this aberration might mean the discovery of a new consequence leading to the control of new relationships.

Two important qualities embedded into the structure of Quantum Mechanics are the inclusion of non-linear relationships and the inclusion of all influences normally considered noise. Those are the positive points; a negative result is forced linearization through transforms. This is done because we measure and time experiments. We use the qualities that we are trying to learn about to characterize those outcomes.

Therefore, variants in time and separately, variants in position, cause seemingly related but skew results. Repeatability is observed from a great many qualities that are grouped together in the measurement. The isolated result can hardly be seen. Abstract relationships ignored because they do not produce anything "identifiably" useful. Dominant "useful" relationships pull attention away from seemingly abstract "non-useful" relationships (noise).

By choosing the perspective used in forming the base of modeling the universe in mathematics, the equations and intuitive nature of predicting consequences can be simplified; linear functions being of the easiest to relate with thought maps.

As linearized functions, regression can provide insights into not yet observed correlations. Correlations are intersections of dominant qualities, almost intuitive, and testable; controllable.

However, assembling dominant relationships to characterize a quality can be difficult if there are no observable indications that relate "directly"; the problem in particle physics. Inconsistent observations are indications of "indirect" influence within a dominant relationship. These are the focus of research in particle physics. The research accidentally discovers new things to investigate. QESdunn implementations to follow provides opportunities to anticipate outcomes of proposed experiments, while

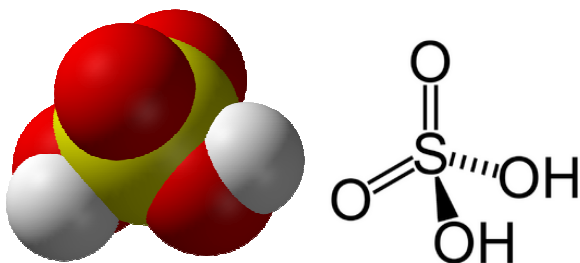
also capturing abstract relationships observed for future deduction and induction.

Vastness of computational problem in modeling the Universe

The largest common memories for home computers have no more than 10^{12} memory states. In simple terms, until quantum computing and remotely entangled quantum memory provide instantaneous processing and infinite memory, we cannot model our world with exactness.

There are approximately 6.022×10^{23} atoms in a mole of any matter. Knowing the chemical formula for a compound, a person can calculate the number of atoms involved. Knowing the number of atoms involved a person can anticipate all the possible states of the system, but not in practical terms.

Consider just providing a unique number to label all the atoms in a small quantity of H_2SO_4 , Sulfuric Acid.



7.8 Sulfuric Acid Molecule

First, look up the atomic masses for hydrogen, sulfur, and oxygen from the Chemistry Periodic Table. The atomic mass is 1.008 for H; 32.06 for S; 16.00 for O. The formula mass of H_2SO_4 is:

$$2(1.008) + 32.06 + 4(16.00) = 98.08$$

One mole of H_2SO_4 weights 98.08 grams (about 3.4 ounces).

There are about 6.022×10^{23} molecules in 98.08 grams of H_2SO_4 , or about 4.2×10^{24} atoms

To ONLY “Label” each molecule in a pure volume would require 10,000,000,000 x the number of bits needed to uniquely represent a label, in home computers all just holding the label value of each molecule; without representing any of the interactive states, or any of the sub-atomic states, or any of the interactive states connecting them to the Universe.

So what do we do; no one can currently afford to model atomic elements directly.

“When no system is universally predictable, use the information available to your best advantage.”

We can model the distributions of atomic qualities.

Instead of identifying every atom and its interconnections, we identify categories of atoms that have specific distributions of properties for bundles of atoms. And where we have supercolliders, we model specific distributions of properties for the same element and conditions considered.

Enter the necessity of a mathematic language that relates the probabilities of a large set of relationships; i.e. Quantum Mechanics. Each Particle characteristic is a broad system of mixed probability relationships. Of properties both previously and as yet to be, observed.

The system subsequently described simplifies the calculation of vast systems of probabilities by eliminating time and distance as mathematic constructs; they become derived independent resultants. By limiting the quantum calculations to sets of probability functions, where time and space

are artifacts of probability aliasing, predictions in system simulation can potentially yield more abstractly applied results (time travel, faster than light speeds, folding space...).

The need for correlating trillions of probability artifacts iteratively makes simplification of math processing a necessity. Presently, if we dedicated all the computers in the world to sequentially cycle through every combination of only 128 bits like a vehicle odometer (6.8×10^{28} years), would take longer than the Universe has supposedly existed. Iterative control of systems of probability states would not presently be realistic within our collective lifetimes. Thus, simplification is one of the needs required for processing large volumes of quantum systems.

Explaining Quantum Entanglement apparent instantaneous coupling

As for explaining the Quantum Entanglement property where two entangled particles can be separated by any distance and their respective probabilities become set based upon observation; using the above-cited systems of consideration:

All probability nodes are pre-existing from one set of steps to the next; there is no randomness. New entanglements potentially form or existing entanglements become dominant. By separating two dominant entanglements, the remainder of the entanglements remains connected to other sets of probability nodes. When the entangled particles are separated, the probability sets change by some amount, but the entanglements with the remainder of the Universe effect both of the entangled nodes (particles) so that the appearance is instantaneous communication. But instead, it is that both particles are influenced by very much the same set of probability aliasing. The act of measurement influences

the back step of probabilities into the Universe, but dominantly the Universe is acting upon each particle similarly. So when the state is measured, it is different from the previous measurement, but close to the same as its' entangled pair, and the connections throughout the Universe shared back-propagate the measured probabilities.

Quantum Entanglement - Causing physical changes at a distance

For the present systems of experimental setup, no communication at "instantaneous velocity" occurs. Measurement simply changes the set of system probabilities and breaks entanglement immediately after its present configuration of interactive probabilities is observed (acted upon).

However, by monitoring other entangled elements of the same entangled pair, and observing probabilities less dominantly engaged, the potential for propagation of information should be possible.

A method of monitoring entanglement probabilities needs development that does not change system probabilities significantly. Assuming everything is entangled that is observable, dark matter would be obvious; or the conditions that describe dark matter.

<http://physicsworld.com/cws/article/news/25429>

The laser system linked above is an example of a potential system to reduce to practice such a monitoring system. The laser is not used as a conduit for the transfer of information. The dark matter properties produced are entangled commonly with the entangled pair of interest. Modulating the dark matter entangles and monitors the probabilities of the two non-dark matter particles. The result is communications instantaneous at a distance. The reason is that almost none of the vast entanglements of the purposefully entangled pair are disturbed because there

are few interactive entanglements with the dark matter.

Dark Matter is still step-based interactive aliasing (time and space). But the entanglements of matter and dark matter are not mutually based.

Dark Matter is not yet strongly defined and there may be many variations.

Chapter 2: Implementation

Resolving gravity and electromagnetism conflicts

Interesting is that Gravitational Aberration and Quantum Entanglement share instantaneous properties. Why is this interesting? Photons are electromagnetic and can share quantum entanglements. Therefore, Gravity and Electromagnetism share a highly unusual characteristic; an instantaneous property.

Yet none of the physics equations (used productively) include any instantaneous components.

Maxwell's Equations (Electromagnetism)

<http://hyperphysics.phy-astr.gsu.edu/hbase/electric/maxeq.html>

http://galileo.phys.virginia.edu/classes/109N/more_stuff/Maxwell_Eq.html

http://en.wikipedia.org/wiki/Quantum_electrodynamics

Gravity

<http://en.wikipedia.org/wiki/Gravitation>

http://en.wikipedia.org/wiki/Loop_quantum_gravity

http://en.wikipedia.org/wiki/Gravitational_wave

Quantum Mechanics

http://en.wikipedia.org/wiki/Electron#Quantum_mechanics

With some probability, all foundation components of the Universe are instantaneous, as supported in Chapter 1: Concepts and "Probability Aliasing" represents the commonly seen appearance

of artifacts that travel with reference to time and space; for us, everything observable. There is no directly connected relationship between the terms instantaneous and time; time is derived from an observable system of changes with respect to other systems of similar changes (relativity). Everything is part of an instantaneous frame of reference. We live within, and are composed of, vast systems of entangled systems.

Because every step-event is instantaneous, all systems of reference update... instantaneously. What we see as artifacts inside that system are propagating systems of step-events and parallel systems of step-event updates; Time propagates, and Space updates. Time is Causal and Space is Scalar. There are other aliased relationships as well, but the focus here is Time and Space. As you progress you will recognize this relationship repeats often for different systems of physics.

Entangled systems of Time and Space

Within any sub-atomic particle, there are more influences than there are words for numbers; except perhaps infinity. Also, in regard to the direct influences are the secondary influences that the sub-atomic particle has on every element in the Universe, which in turn causes a great many event interactions back upon that sub-atomic particle. Reminder: A Particle is a library of relationships in Particle Physics, not an irreducible relationship; the marble is no longer our nuclear model. The particle is additionally now a system of aliased relationships, a confluence of interactions.

What is Time and Space

In Probability Aliasing where time and position do not exist as part of the foundation of the Universe, Time is a

derived causal sequence that is forced upon us as a series of entanglement events; modeled as a series of nested probabilities. Position is a derived sum of probabilities where each term is a condition contributing to a system of probabilities. Position is easily mutable as an interactive scalar system of an array of probabilities that are all mutually interactive.

The relative interactions of these entangled scalar systems with respect to the causal systems form the fabric of observable time and space.

Notice that the causal and scalar systems of entanglement are superimposed upon the foundational system. So what is that foundational system?

Supposition: systems based upon observable Quantum Entanglements form the basic elements underlying the existence of sub-atomic particles.

Energy is required to have components of time and space, as a ratio. Together they define the relative quantum aliasing of entanglements. For a body of entanglements this ratio identifies a dominant set of relationships that represent such things as density, speed, intensity...

$$1 \cdot J = 1 \text{ kg} \left(\frac{\text{m}}{\text{s}} \right)^2 = 1 \frac{\text{kg} \cdot \text{m}^2}{\text{s}^2}$$

Everything we consider to be matter and energy are part of the same things, modeled by Probability Aliasing so that we can one day predict what now is seemingly abstract outcomes.

Systems of independent (constants) and dependent (everything else) entanglements are modeled by a mutable set of probabilities that change continuously; everything we consider being of our Universe. But, not existing with regard to time and space. Time and Space are systems within our perceptions as an existence of entangled probability aliasing.

Within the foundations of entanglement all features are instantaneous.

Supposition: Single foundational entanglements have some feature that is causal; there is already support for this supposition in existing experimentation documentation.

Supposition: Entanglement systems have some feature of relativistic magnitude assertion; there is already support for this supposition in existing experimentation documentation.

Given these partially supported suppositions, based upon the repeating nature of observable physics in this regard, independent (constants) and dependent (everything else) can be derived in the form of functions. Thus the foundations for

QESdunn – Quantum Entangled Singularity

A singularity is nothing special; simply it is a constant or even an independent variable in some perspective.

Function a set of entanglements in such a way that they assert a fixed outcome and a singularity is produced; nothing special.

Configure a system of causal systems of entanglement, moderated by singularities, with instantaneous feedback to scalar systems of entanglements, and you have the foundations of Space and Time.

This is the bases of Singularity Mechanics.

Superimposed upon Singularity Mechanics (S prefix) is Relativistic Mechanics (R prefix).

When developing the experimental relationships, the researcher must be clear from which perspective the functioned expressions reside within; Singularity or Relativistic.

There are many reasons for this, but consider Singularity Mechanics has no reference to Time, Space, Energy, nor Gravity... But in Relativistic Mechanics separable functions for Time, Space, Energy, and Gravity... are what we are trying to manipulate relative to our observable universe.

Though mutable, there are rules. The rules define the linking and other relationships of probability aliasing (quantum aliasing). Entanglements become more or less dominant based upon yet to be determined considerations; i.e. Magnitude Assertion. This is observed in present experimentation broadly available.

As we develop a system of observable events, we can assign probabilities that represent how each observable characteristic will respond to a set of conditions.

- The conditions can be independent and act upon the observable at any moment or under any set of conditions.
- The conditions can be dependent and act upon the observable only when certain conditions are sequenced in a specific order.

Groupings of these two criteria are why Time and Space exist interdependently; but not necessarily so.

Using this model, it becomes feasible to create conditions where time and space act seemingly without previously characterized relationship to one another. Time travel, faster than light speed, teleportation...all become something determined by calculation.

However, a tool is needed to capture and relate the instantaneous properties of the Universe as a whole. A quantum computer of sorts based upon entanglements.

Modeling the Properties of Time and Space

Rather than the apparent observables with which we interact, we are more accurately the dimensional beings that live within a set of interactive connections (entanglements). We are not beings composed of a collection of marbles; we are composed of the influences of what we might think of as the influences of connections that all occupy the same point. We only perceive matter and energy because we are composed of similar interactions as a limitation of what we perceive.

Regardless of the foundation, by being able to relate the non-linear relationships and all observables previously considered noise, we are now able to intuitively look for probability states that by deduction and induction are likely to exist; and abstract observables can better be planned for.

Best outcome, we control time and space. Worst outcome, even if the foundation of physics is more involved, by creating tools to manipulate entanglements between our tools and our observable universe provides the bases for tools allowing us to better understand the foundations of controlling time and space.

Also, DARPA QUEST funding provides for the tools developed for controlling entanglements. A University Alliance can provide the on-going shortest path for developing control over time and space. Recommended is that a university be selected to host a committee of universities for keeping everyone honest. The hosting university should be in the direct vicinity of a National Laboratory to help provide sustainability.

Though entanglement has instantaneous properties, the sequencing differences (quantum states) between groups of

entanglements are event driven and may exist for any number of cycles as compared to other group entanglement events. Groups are in-general interactive quantum entanglement systems of events (quantum states).

This is why the two entangled electrons separated by any distance will have seemingly arbitrary probabilities set upon measurement. The probability sets are constantly being aliased. But dominant entanglements prevail.

An initial point of consideration for modeling systems of scalar and causal probabilities:

$$P_n(x, a, b, \dots) = \sum P_n((P_x((a_0 * b_0) (a_{0-1} * b_{0-1}) \dots + P_x(\dots)))$$

[the quantum equivalent of relativistic time]

$$P_n(x, a, b, \dots) = \sum P_n((P_x((a_0 * b_0) (a_0 * b_1) \dots + P_x(\dots)))$$

[the quantum equivalent of relativistic space]

Where:

P_n represents the Probability for entangled connection n

' x ' represents the group of entanglement connected artifacts that correspond to an abstract property

$(a_0 * b_0)$ represents the dominant terms of 'a' (likelihood to occur) and 'b' (level of impact)

$(a_{0-1} * b_{0-1})$ represents the previous step-event terms that cause dependent sequencing of quantum steps (time)

+ ... represents additional terms of similar construction, but act interdependently of other terms (space); all the Universe is interconnected and therefore indirectly related.

$(a_{0+1} * b_{0+1})$ represents the predicted value for parameters for the next step-event

The Quantum Entangled (QE) pairs have dominant terms of entanglement that are synchronized outside of the space/time ratio; suspected is that functioned singularities moderate step-event ratios. The probability pairs co-exist in the dependent sequencing of probability (time), but the space/time ratio is scalar and allowed to change with respect most dominantly to the local influences of aliased bodies; but connected universally.

Quantum rule #1: everything is a probability associated with events. Time and position do not exist as variables in calculations. They are both "Relativistic outcomes" of event sets.

We can create and influence perceived time and space in systems of Probability Aliasing, but we cannot use time and space as direct influences in control functions of events. Time and Space affect different portions of the systems of probability aliasing differently. Time and space are general indicators of groups of relationships; relativity. Events must be manipulated to influence outcomes. Time and Space are like the Dow-Jones industrials, calculated outcomes that are useful indicators, but without direct specific control. Therefore, time is relative.

Photons

Remember, photons fringe patterns from a double slit experiment are all modeled relationships based upon Relativistic Observations. The underlying physics is likely much different than observed.

But based upon observations, if you emit single photons through a double slit, you will observe single interactions with the target. But as these single photons are emitted over time, with some distribution depending upon the source and other factors, the appearance forms an interference fringe

waveform. The same waveform observed if a beam of light is shined onto the double slits.

However, more correctly I believe is that photons have observable properties that consist of both wave-like and particle-like characteristics. If a particle, what is the foundation from which causal distribution of a wave pattern is produced? If a wave, what is the foundation from which the scalar quality of a particle is produced?

In the Quantum Entangled Singularity TOE proposed by James Dunn (QESdunn), this describes the foundation of the Space / Time continuum; separable control of the Causal and Scalar relationships supporting our observable Relativistic Universe.

What we observe is the fringe wave front. But in reality the wave front is composed of two artifacts (scalar and causal), and moderated by other interrelationships. Intensity is the asserted magnitude of QE (many functioned loops that mutually attribute to assertion). Other QE moderators like Higgs Boson, Gravity, and Inception produce other "observable" qualities when in combination with the base pair of space / time (scalar / causal).

Now think about what relationships can combine to moderate space/time to cause a photon.

In space / time there is a quantum aliased relationship between the causal and scalar artifacts forming the space / time continuum. But alone we would not have an observation. What base system of relationships (singularities) would be needed to moderate space/time to produce a photon? The scalar component of gravity.

Higgs Boson and Gravity are theorized to have both scalar and causal components.

At present, an assumption is gravity quantum components as a scalar connection between all relativistic particles,

and a "separate" causal component that depends upon the conditional systems of relationships.

So this accounts for why a photon quantum particle from a distant galaxy is observable by any increment in distance perpendicular to the flight of the photon quantum particle.

All QES connections have some form of connections with our Relativistic Universe; or else they are not part of our Universe. Assertion Magnitude increases because of similar entangled pathways between QES entangled connections.

This is also why the intensity diminishes with distance. Not only do causal similar pathway connections decrease, the occurrence relative to causal systems of references decrease as well. The number per scalar unit of causal step-events decreases relative to any causal reference, as scalar reference increases toward infinite numbers before the next causal connections.

Therefore, from any point of reference, unique scalar/causal step-event relationships are connected.

There is at present no reason to believe this number is finite; but it could be non-existent until systems of causality expand into new connections.

Photons would be by QES perspective, the functioned connections of the separable conditions of space, time, and the scalar function of gravity (Singularity G_0).

Graviton would be by QES perspective, the functioned connections of the separable conditions of space, time, and the causal function of gravity.

Intuitive Understanding of “Probability Aliasing”

Randomly drop table-salt on a table, millions of equations can be formulated to describe relationships associated with the observed conditions of the salt. Consider the observables of the universe, the number of unique equations tend toward infinity; one equation is not going to describe everything of concern.

Throughout what we perceive as the Universe (us looking from inside the system of systems) these entangled groups create systems of influence; mathematically modeled by probability. We use probability because we do not have the capability at this time for memory tending toward an infinite number of bits. A pathway for obtaining this capability is outlined in the more extensive book from which this excerpt was taken.¹⁰ We group general descriptions (cause/effect), assign a probability of occurrence, and a level of influence, collectively called a “vector probability”. As such, there are likely vastly great numbers of unique relationships that we can identify (color, pressure, mass....

Take any two points and find a unique point between them. Now find a unique point between the new point and either of those first points, repeat this for every new point generated. The sequence can continue to find a new position in time and space for an eternity. This is one of the problems with the current methods of particle physics. There is an expectation of finding smaller particles, but the broad implications are not correlated with pre-existing relationships with any intuition.

Vector Probability can be modeled as either analog influence or discrete triggered events. To restate, probabilities are workable non-linear implications of far more complicated interactions; linearizing calculations without attempting to linearize non-linear phenomena; accepting

occurrence and impact without confining perspectives to any one formulary. Expected is the intuitive finding of abstract relationships that defy currently accepted equations of dominant influence in science.

Of principal interest here is the methodology to predict with accuracy the probability value of any quantum entanglement when measured. If one can be predicted, then potentially any can be predicted. Eventually, all can be predicted by using quantum computers and quantum entangled memory to create a model of the entire Universe.¹⁰

The Gravity Radiation and Dynamic Slit experiments proposed are to identify abstract but repeatable cause/effect relationships between Relativistic Physics and Singularity Mechanics. Coupled with similar identification of abstract relationships of dark matter (see dark matter experiment cited elsewhere), produce structured probability aliasing, and provide a mechanism of monitoring entanglements without direct influence.¹⁰

Applicability to Quantum Computing

Probability Vectors are used to quickly correlate large systems of vectors quickly; large systems of probability. Quantum computer initial developments are particularly suited to processing aliased relationships as steps very similarly as described throughout this publication. But far slower than instantaneous in the immediate future.

A combination of White Matter and Dark Matter Qubits provide a memory state and provide a system of coupled quantum entanglements in a quantum computing environment to provide massive instantaneous memories.

This provides the tool for mapping systems of quantum entanglements.

Time Travel

Time is the causal part of Space/Time relationships, a system of causal propagation.

The reason time is currently irreversible is that time is not separable. Under complex structuring of step-events, not only is reversing possible, a method of moving a section of the system to an alternate history would be feasible; reversing time progression with variations; changing the timeline.

See source book for elaboration¹⁰

This also alludes to the possibility of many forms of immortality.

Moving within an Aliased Environment

Potentially, what we consider of-this-universe (observables) all have quantum entanglements with our matter, or the matter we interact with (aliased probability systems). Gravity and potentially other apparent forces/influences have relationships between the entanglements, thus pulling the propagation of probability nodes (time) to travel from one set of relativism to another.

Position, in itself is an interesting artifact in an instantaneous environment. Position has no real reference. Apparent position is event based. For a node to appear in different stations must require references to other event distributions.

Both space and time are event-based phenomena of entanglement. The ratio of the different distributions of probability (likelihood and impact, versus propagation of probabilities) being why protons and neutrons bind in different numbers. Why

protons are different than electrons. Why gravity appears to be related to time. Potentially, every unique abstraction has a singularity associated with it, which standardizes all of like connectedness. Sub-atomic particles may each be based upon a unique singularity.

The basic foundations of the Universe appear to be quite simple, but attempting to anticipate the outcomes and influence systems of probability in a way to do something useful that is not a natural progression of events is the focus of the University Alliance.

Chapter 3: Predicting Useful and Abstract Outcomes

The potential is that probability systems can be modeled to anticipate abstract outcomes without understanding the details of interactions.

See source book for elaboration¹⁰

Auto-Generating Improvements

Every set of relationships that provides us control has a set of probabilities and a level of influence to give us a method of manipulating the system of which we are a part of (Result Management matrix - See Support-Port.com), to create the event where the President with high probability will say "Today, the U.S. Dollar has become the Grand Caymans national monetary document and has further strengthened our relationship with the Grand Caymans". The reader can loosely see how a system of events could be manipulated to make this feasible. The same can be done with manipulating the "systems of probability related to rates" to cause from our perspectives, system step transitions (great influence upon energy, time, and space).

See source book for elaboration¹⁰

Given a mesh of entanglements; if any are disturbed, depending upon node connections, the remainder will be disturbed. But wherever a condition must exist before another transition can occur there is a difference (but not based upon what we would currently consider time).

However, as a large system of differences develops, a system of repeating pulses begins to form throughout the mesh, from which other events derive a queue and a derived set of references results. This is the basis of our perceived time. The Universe exists as an instantaneous mesh of

propagating connection probabilities (distance), and an instantaneous mesh of connections that are being moderated (Time), while the quantum aliasing of the quantum connections create the evidence that we refer to as matter and energy ($E=mc^2$).

See source book for elaboration¹⁰

Our eye receptors are entangled with most everything, but aliased resultants share dominant connections of sufficient connections to cause influences on other connections.

This also accounts for the behavior of entangled interference patterns, of gravity, mechanical forces, the dual nature of photons being both waves and particles, entropy, and electromagnetism. A system of unification; but this is not Unified Field Theory, this is quantum mechanics and systems of entanglements.

Spontaneous Nuclear Decay

See source book for elaboration¹⁰

Big Bang and Dark Matter

What happens to the probability aliasing at these extreme limits?

See source book for elaboration¹⁰

This is interesting because it provides opportunities to create things outside of our current understanding of physics. Apparent moving faster than light is a reasonable outcome of manipulating a set of probability nodes.

The propagation of light as a probability alias may provide for dimensional spaces occupying the same location.

See source book for elaboration¹⁰

And not just light-speed, but also other artifacts that probability aliasing can be bound within without limiting the interactivity with the entire Universe.

Probability Aliasing is a tool for observing useful perspectives in systems of seemingly abstract relationships.

Multi-verse, other Dimensions, and Dark Matter

As probability aliasing drifts unaffected by instantaneous interactions, systems of probability sharing mutual space but not mutual time are quite likely under this system of description.

Differences in bodies of probability could share certain features and coexist in many respects; for example, multiples of the speed of light. There are an infinite number of multiples of the speed of light in an instantaneous environment. We may very well live in a Multiverse. Probability Aliasing within each multiple of light speed could potentially be quite distinct.

Some entanglements exist in the observable universe, while most exist in other systems of QES connections; a dimensional window of sorts.

See source book for elaboration¹⁰

If they do not currently exist, this provides a potential environment where we could create universes of our own design with the express intent of creating tools to manipulate our own Universe.

The suggestion of course would be to make an exact duplicate of our universe, and act upon that universe with our experiments as a tool so as not to inadvertently destroy this copy of our Universe.

Axion are one example of transitional Dark Matter.

Those attributable to electromagnetics are involved with red shift, cosmic radiation, and any number of other seemingly stray anomalies. But that portion of what we consider observable qualities of dark matter, are actually extremely small interactions as compared with the total volume of aliased relationships not part of our observable universe.

Given the strong force and the weak force in nuclear physics; the potential of a strong and weak gradient associated with gravity is not beyond possibility and making dark matter non-existent.

Tele-mechanics

Axion of nervous system tissues have entanglements with our observable universe. Causal entanglements with photons (laser beam) and the resultant displacement of the beam can form tools for manipulating observable aliasing in ways not yet conceived.

Initially, as entangled particles have their local environment influenced, the synchronized probabilities can be monitored but not broken, providing a form of communication.

Immortality for Everyone

See source book for elaboration¹⁰

Cures for Every Human Affliction

See source book for elaboration¹⁰

Multi-Pathway Evolution

See source book for elaboration¹⁰

Intentional Incompleteness within Provided Pathway

There are many mechanisms and relationships not discussed here, that is part of the fully published book.

There are key mechanisms and relationships intentionally withheld from the book to help protect global security.

When humanity is ready to realize the full potential of controlling space and time, the key relationships will be provided. Until then, humanity is tasked with developing the foundations cited and to implement an ethical method of eliminating all self-serving greed.

Obviously, overdue global extinction events limit the time humanity has to develop control over space and time. Others will be able to learn the keys as well, but hopefully they will withhold their contributions until humanity can be trusted with the ability; as inadvertent global extinction can be realized in many forms.

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¹³"Detection of quantum entanglement in physical systems" C.A. Alves, Univ of Oxford, Trinity Press (2005)

¹⁴"Geometrical view of quantum entanglement" A. Ramšak, EPL, 96 (2011) 40004

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¹⁶"Fiber-Optic Sources Of Quantum Entanglement" Prem Kumar, Xiaoying Li, Marco Fiorentino, Paul L. Voss, Jay E. Sharping, And Geraldo A. Barbosa, Northwestern University (2002)

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¹⁸"Quantum Mysteries Disentangled" Ron Garret, unknown press(2001)

¹⁹"Building Up Space–Time With Quantum Entanglement" Mark Van Raamsdonk, International Journal Of Modern Physics, Vol. 19, No. 14 (2010) 2429–2435

²⁰"Experimental Implementation Of Quantum Entanglement And Hyper-Entanglement With A Fiber-Based Two-Photon Source" Jun Chen, Matthew D. Eisaman, Elizabeth Goldschmidt, Jingyun Fan, And Alan Migdall, Proc. Of SPIE Vol. 7092 709209-1 (2008)

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<<http://www.optics.arizona.edu/jcwyant>>

APPENDICES

Tools to Consider

Creating a Singularity modeling a macrocosm can become an unusually viable physical tool, or the bane of our existence; conceptualizing tools and weapons is trivial (development details withheld); i.e:

Quantum Camera

- view and influence any frame of reference in any singularity

Remote production of nuclear power without fissionable materials

- inexpensive power, protecting the Earth from a Solar mass ejection...

Knowledge Mining

- concept regarding evolution within a singularity
- potential trigger event to end our own existence

Warping Space

- intergalactic travel, teleportation...
- a safer form of nuclear power

Controlling Time Consequences

- time relationships can influence nested singularities in many ways

... 50 such tools can be conceived every day

- Quantum Entanglement Science and Technology (QUEST)
- billions of dollars are available for pursuing this line of reasoning

- at the very least quantum entanglement and gravitational aberration will be characterized in great detail
- most likely quantum computers will become common place
- with some certainty entangled memories will result
- and if the result is as expected, virtually nothing will be impossible

Accelerator and Supercollider Experiments

The consequence of the foregoing supposition is that Particle Accelerators force local entanglements to create white matter from recombination events. This is what we see in particle physics high energy collisions and why the Higgs-Boson H_0 , Time $_0$, Space $_0$, and Gravity G_0 are not produced in Particle Physics experiments; these are singularities; i.e. constants formed by functioned entanglements.

There is neither time nor space nor mass between quantum systems entangled together. Singularities are root functions of the proposed foundations of time ($c = S/T$ and other constituents), mass, space, and gravity. Of which gravity may be a mutual function of space and time and not a separate singularity. There may be other nested singularities that provide other functions, or duplicity of systems, but these are the obvious ones to start with. Energy is a wholly derived function that provides relative correlation of MTSG; but is itself not a root function.

Upon inspection of these non-linear system relationships, not yet discovered artifacts become predictable. Quantum Entanglement extended properties become logically apparent.

White matter (MTSG) occurs when all functions of Mass, Time, Space, and Gravity are entangled (from relativity, observed mass is Probability Aliasing of step-event functions). When one, two, or three of the four are entangled we have the aforementioned table of sub-atomic particles.¹⁰

See source book for elaboration¹⁰

There is the risk of accidentally entangling components of our Universe with the evolved Macrocosm through the computer components themselves; with influences in both directions, and the possibility of evolving a mutually aliased artifact (an accident, or a tool).

See source book for elaboration¹⁰

Experimental Setups to attempt to disprove QESdunn

Two experimental setups are developed as AutoCAD drawings of MEMS devices whose purpose are to disprove the foundations of the QESdunn suppositions. Having failed to disprove these relationships, the model is intended to lead to the active and separable control of time, space, gravity, energy, ...

These can be found at <http://CST.support-port.com>

As a minimum, the cost to produce each one of these versatile collider compatible experiments is about \$50,000. However, 160 MEMS devices are produced from the same initial development. Such that $\$5,000 / 160 = \312 per institution of a University Alliance.

There are other parts to the apparatus that are affordable in most research grants; and, faculty labor being a larger cost. Of course the indirect cost charged to a grant usually consumes more than 30% for overhead.

Pathway of Experimental Outcomes leading to Control of Space and Time

E1: Discern the difference between breaking an entanglement and the combination of test and measurement entanglements.

E2: Determine a method of monitoring entanglements without measurement changing outcomes.

E3: Create a method of breaking entanglements.

E4: Create a functioned loop of entanglements by breaking all other entanglements with a segment of a system of entanglements.

E5: Identify the similar functioned entangled loops associated with White Matter

E6: Identify the similar functioned entangled loops associated with Dark Matter

E7: Create an entangled connection between White and Dark Matter to provide a stable memory state (MEMss)

E8: Determine a method for identifying the individual segments of entangled loops.

E9: Create an independent loop of entanglements.

E10: Create a method of attaching a single entanglement to a junction between two separate loops of entanglements.

E11: Create a triggered and latching MEMss to capture asynchronous states of parallel processing

E12: Create two separate functioned loops of entanglement and attach an entanglement at specific junctions of two separate functioned loops of entanglement; and, provide a MEMss to capture an event.

E13: Capture and analyze functioned

entanglement loops to derive Mass, Time, Space, and Gravity functions

E14: Create similar functioned loops of entanglement in four independent quantum singularities

E15: Install MEMss connections at points of interest

E16: Create “neural network”-like systems in conjunction with functioned loops of entanglements to provide the basics of quantum physics in the contrived Universe.

E17: Seed crystalline growth of contrived Universe (Big Bang)

E18: Capture events MEMss events to evolve knowledge for our own Universe

E19: Iterate to provide tools for interacting with our Universe, and other singularities

Ethical Research

Because of the potential for great abuse, encouraged is the teaching of common-sense in all school systems and at home.

Common Sense = Voice + Logic +
Accurately Predicting Outcomes

Teaching Common Sense =
Debate (not Discussion) +
Critical Thinking +
Analyzing and predicting outcomes
regarding any subject involving
sustainability

Method of simultaneously increasing
freedoms while also increasing security

<http://eliminate-all-corruption.pbworks.com>

QESdunn is a Theory of Everything
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