

Gravity, Big Bang's, Space, & Time explained from Non-Relativistic perspective

James Dunn

jamesbdunn@aol.com

James Dunn
6901 Coors Blvd NW / BOR
Albuquerque, NM 87120

Submitted: May 17, 2014

ABSTRACT

Shown is a physics treatment potentially providing modeling of everything observable in physics as separate but connected systems of emergent space and time; gravity, duality, fringe patterns, energy, power, forces, momentum, quantum entanglement ... and every other observable physics relationship. Intended is providing for the reverse engineering of particle physics experimentation into space/time relationships that can potentially be modelled in synchronous state machines on present computer systems (not in real-time). While upon development of a Non-Relativistic Quantum Computer (NQC) the universe can potentially be sampled to capture actual causal relationships and simulate cosmology precisely in real-time. Creating alternate dimensional universes within the NQC and when causally entangling the NQC space with our universe, providing for the warping of space/time relationships and related tools.

Essay written for the Gravitation Research Foundation
2015 Awards for Essays on Gravitation.

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INTRODUCTION

Quantum Causality is defined as a non-reducible causal element, observable in physics. Since all observable physics is connected to Relativity, then observable physics is relativistic; i.e. Relativistic Quantum Causality. However, instantaneous properties of Quantum Entanglement, foundations for Gravity, Fringe Patterns, Duality ... cannot be precisely modeled in observable physics by present methods involving mathematics alone. Axiom of Choice alone does not provide for the details of connected systems needed for modeling.

However, engineering often uses imaginary numbers to describe approximations for observable influences not otherwise predicted. Introduced is "Axiom of Choice extended to include Relativity"; a system of Non-Relativistic Quantum Causality that allows for separate consideration of space and time as moderated systems of space/time. The ratio influence upon space and time due to moderating systems of non-relativistic and relativistic quantum entangled singularities in a causally parallel environment.

Any volume of physical observation has an impractical number of variations to characterize with mathematics. Therefore, a different system for modeling physics is required to provide the exactness required for space/time manipulation tools.

Observable physics is based in causal relativity, and is a subset of non-relativistic quantum causality.

Foundation of mathematics related to relativistic physics

Axiom of Choice extended to include Relativity

<http://vixra.org/pdf/1402.0041v1.pdf>

The following discussion explores the implications related to modeling and engineering Space, Time, Gravity, and related instantaneous properties of quantum entanglement, momentum, forces, energy, power, and everything observable.

DISCUSSION

Time and Space as Systems of Quantum Causality step-events

Time is the numbers of dominantly evolving quantum causality step-events relative to dominantly connected Space as systems of non-evolving systems of quantum causality step-events; all moderated by a non-relativistic space/time singularity. These systems are NOT related directly to energy; energy is an emergent property of relativity. Of particular importance is that causality is modeled in the connected systems and NOT the active causal element itself. As a crude model, similar to a crystal growing in a causal media where impurities moderate crystal growth. The crystal is NOT connected directly to a generator and relative relationships form from connected interfaces within the growth media.

Other connected non-relativistic causal singularities (impurities in the crystal growth media) form relativistic physics constants that moderate the shapes and distributions produced. The combined causal systems provide for aliasing relationships that form the relativistic subatomic particles (relativistic singularities) and their distributions; relating to the decomposition of Schrodinger's Equations.

In Relativity (observable physics), there is no such thing as empty space; every element is causally referenced to every other element. Supposition: attempt to move within relativity significantly beyond the observable universe and the relative connections between elements diminishes towards conversion toward an alternate dimensional state (not significantly connected to our physics constants); similar to Black Hole conversion processes moving toward alternate dimensional spaces.

The foundational causal element supporting all non-relativistic causal systems has the conjoined property of evolving connection systems with non-evolving connection systems. One active element supporting a tending toward infinite number of interconnections. The active element is outside of relativity and therefore energy, distance, force, gravity, entropy ... have no meaning. Visually modeled as the B-fields of a pole magnet. There are no limits in numbers of field line connections and they possess causal properties.

Instantaneous movement in the relativistic environment is a matter of transitioning between states; there is no actual movement or exchange of energy (no space/time relationships). Instantaneous inside a relativistic environment is any system not significantly connected to space, or time, or neither space nor time.

Quantum Entanglement is proposed to be two or more similar systems that differ by one or a few causal states. This potentially supports a reasoning for de-coherence.

Both Loop Quantum Gravity and String Theory have potential applications in this environment.

Space and Time Moderation

Non-evolving steps of non-relativistic quantum causality moderated by a causally connected "relativistic singularity" in relation to non-evolving steps of quantum causality forming Space/Time relationships used throughout most expressions of energy, power, force, momentum ... physics. Gravity is formed from "non-relativistic" quantum causality influences indirectly connected between aliased systems of sub-atomic particles.

Gravity is a relativistic observation of non-relativistic influences upon the total of causal systems of singularities (non-relativistic and relativistic). Dark Energy is therefore the non-relativistic influences on observable physics not accounted for by measured gravity alone.

The problem with using the relative perspective (observable physics) is that one cannot see the underlying non-relativistic foundations. Locking perspective in observable physics hides the foundation of causal relationships. Probability and error tolerance hides causal influences.

Relativity as systems of relative causality evolve with reference to non-evolving connected systems toward another Big Bang.

Big Bang's

In a Relativistic causal system, Entropy is an indicator of changing from one system of evolving causality toward another system; where Time is perceived as the rate of Entropy changing. Experimentally this has the potential of being disproved; therefore, these suppositions have a base from which to build useful outcomes.

The Big Bang is proposed to represent cycling through a shift in alternate dimensional states; the shifting of physics constants (relativistic singularities) as quantum causality systems of conjoined non-evolving connection systems evolve toward the next system of relativistic physics constant shifts.

From the creation of the "properties of causality" of our physics constants (Big Bang) Entropy is an indicator of moving toward a shift in the "properties of causality" of those same physics constants (next Big Bang). This includes one or more non-relativistic and relativistic physics constants that may not be dominant in our systems of relativity (everything observable).

Big Bangs as a subset of "Relativistic" (observable) perspectives are part of a super-set of smooth and continuous systems of non-relativistic quantum causality, as Relativistic perspectives (observable physics) cycles from one alternate dimensional space to the next.

Ethically Moving Forward

Based on the ability to create tools to manipulate space/time relationships (warping space, singularity power production, remote manipulation, teleportation, weapons to kill anyone anywhere in the universe, weapons to annihilate civilizations ...), who is going to control those with access to these tools? The following details how to ethically move forward:

"Top/Down" method to eliminate all corruption and self-destructive tendencies before tools to manipulate space/time are produced:

Elected doctors of science and philosophy developing & managing equilateral ethical use of National Security Agency (NSA) collected data. Detecting and acting on crimes of every kind and allowing offenders to provide restitution. Concurrently maximizing Freedom AND Security, instead of losing one as a trade-off for the other.

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

"Bottom/Up" method to eliminate all corruption and self-destructive tendencies before tools to manipulate space/time are produced:

Teaching Common Sense

<http://www.ua-kits.com>

Common Sense = Self-Esteem (social group skills) + Logic + Predicting Consequences

CORRUPTION = UNETHICAL/ILLEGAL ALLOCATION OF RESOURCES AND/OR OPPORTUNITIES

TREASON = ANY REPRESENTATIVE OF THE UNITED STATES ACTING WITH INTENTION TO WEAKEN NATIONAL SECURITY FOR THE PURPOSE OF PROMOTING UNETHICAL/ILLEGAL ALLOCATION OF NATIONAL RESOURCES AND/OR OPPORTUNITIES

RACKETEERING = ANY COALITION OF TWO OR MORE PERSONS AND/OR CORPORATIONS ACTING WITH INTENTION TO PROMOTE UNETHICAL/ILLEGAL ALLOCATION OF RESOURCES AND/OR OPPORTUNITIES

CONCLUSION

Time is a reference derived from Entropy, and Entropy is derived from non-relativistic causal systems moderating observable space/time relationships. Subatomic particles are systems of relativistic causal

constants that have both relativistic and non-relativistic causal aliasing; Fringe patterns, Duality, Gravity ... as examples. These relationships support why subatomic particles cannot be directly observed and influences are only observed through interactions.

As a cursory proof, identify one property of observable physics that contradicts the above described system of Quantum Entangled Singularities; systems of causality in a parallel processing environment.

With this new potential to accelerate development of tools for manipulating space/time relationships, comes the real concern for negligent clandestine experimentation, uses based in self-serving corruption, self-destructive applications due to mental instability, and short-cited applications strongly related to a lack of common sense. The broad ethical monitoring by the NSA coupled with education to broadly "teach common sense" are required for humanity to have any hope of survival as space/time tools potentially allow for remotely changing the atomic structure of anything, anywhere in the universe.

REFERENCES

Dunn, James. *Axiom of Choice Extended to Include Relativity*. Vixra. 6 Feb. 2014. Web. 1 May 2014. <<http://vixra.org/pdf/1402.0041v1.pdf>>. Foundation for modeling space separate from time

Dunn, James. "Fatalism & Non-deterministic Physics Exists Concurrently." *Promoting Positive World Change*. 15 May 2014. Web. 17 May 2014. <<http://jamesbdunn2.blogspot.com/2014/05/fatalism-non-deterministic-physics.html>>.

Dunn, James. *UNIVERSITY ALLIANCE – QUANTUM ENTANGLEMENT Separable Control of Space & Time*. NIST TIP Proposal. Web. 3 May 2014. <<http://vixra.org/pdf/1205.0021v1.pdf>>.

National Economic Development related to building Space/Time Tools

Shah, Jagdeep. "Quantum Entanglement Science and Technology (QUEST)." *DARPA - Microsystems Technology Office*. Federal Government, 1999. Web. 17 May 2014. <http://www.darpa.mil/Our_Work/MTO/Programs/Quantum_Entanglement_Science_and_Technology_%28QUEST%29.aspx>. Billions of Dollars in related Grant Funding

Dunn, James. *Quantum Entangled Singularities - QESdunn*. Collection of Mind Mapping Related to Space/Time Manipulation. Web. 16 Mar. 2014. <<http://qesdunn.pbworks.com>>.