

The Theory of Conscious Singularities

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Abstract

This is a rough draft attempt on a Theory of Everything. It begins with a self-evident idea at its core. The models within attempt to encompass all perspectives of reality while still taking into account our empirical observations of space-time. My hypothesis outlined on page 7 makes predictions about what certain subjective conscious experiences will "feel" like.

The Theory of Conscious Singularities

Written and illustrated by: Andrew Trevor Johnson

Prologue

The document you are about to read is a rough draft attempt on a new perspective of reality. The information presented throughout the body of this work is in reference to the most basic; *fundamental* description we can ever hope to achieve when attempting to objectively define that which is inherently subjective; utilizing information gathered empirically from three dimensional space-time. The train of thought within the two dimensional models presented throughout this document attempt to encompass all perspectives, thoughts, feelings, ideas, mathematical equations, and empirical observations of reality as they exist physically in space and time, as well as within our minds; simultaneously. It does so with an idea that I believe is truly self-evident to us all.

I think therefore I am, is the metaphorical engine driving this thought process.

I would like to personally thank you for even attempting to ride this *train of thought* with me to a new paradigm of consciousness. **Throughout the rest of this work, the word singularity in the singular or plural sense of the word is in reference to the mathematical definition of a singularity.** A singularity is inherently undefinable. (Undefinable can be easily thought of as infinity. How would *you* define a never ending number? [Pause and give a couple minutes of real thought to that previous question])

*Assuming you are conscious to process this information right now, in real time, you can always choose to add one to whatever number you can think of...the idea of something truly infinite or infinity is **only** an idea, which exists within our conscious perception.*

Until, at a new moment in time, we use the information we gather from three dimensional space-time to begin painting snapshots of what we all know empirically exists. (Analog to "Feynman Diagrams" in particle physics)

There are a random amount of conscious lifeforms that exist empirically in reality.

This *randomness* in the different conscious lifeforms that we know exist make consciousness itself *inherently* undefinable. Until we choose a specific conscious lifeform, and use the information we gather, we can never hope to describe the conscious timeline of existence for the aforementioned lifeform. If physicists continue to not account for **all** of our empirical observations (refer back to the underlined sentence in this prologue), we can never hope to have an all-encompassing *theory of everything* that takes into account literally everything that we observe.

The current best models in theoretical physics, Quantum Mechanics and General Relativity, both contain or breakdown into mathematical singularities. Particles can exist in an infinite amount of superimposed states, general relativity contains gravitational and big bang singularities. And yet we don't view these models as wrong. Instead it is the exact opposite, these models are regarded as being the most accurate descriptions we have, in relation to information that has been gathered empirically from space-time. Singularities in our equations imply that there are fundamental limits on what can be *known* at any specific moment in time, not that these ideas are inaccurate...

We can now begin moving forward with this train of thought...

To begin developing a theory of consciousness, we must first define a few terms and lay down the foundations upon which these ideas will be built.

What is a Conscious Singularity?

A *random* conscious lifeform

What is Consciousness?

Any form of matter capable of processing information about space-time via sensory input

What is an Observer/Measuring Device?

Any form of matter capable of collapsing the wave function of a quantum system

What is Sensory Input?

Method by which an observer receives information from space-time. (Sight, Sound, Touch, Taste, etc...)

What are Natural Senses?

Means by which a conscious lifeform perceives space-time without the assistance of external measuring devices

Law of Conscious Singularities

All conscious singularities are observers, but not all observers are conscious singularities.

3 Axioms of Conscious Singularities

1. I think therefore I am
2. Consciousness existed before Me
3. Consciousness will exist after Me

2 Postulates of Conscious Singularities

1. All thoughts, feelings, ideas, memories, mathematical equations¹, and experiences contained within a conscious singularity are intangible and do not exist physically in 3D space-time. We shall represent this as negative space since they are subjective and not observed with our natural senses.
2. All the tangible, physical properties that exist in 3D space-time that can be empirically measured by an observer using the natural senses and extensions of the natural senses (external measuring devices) shall be represented as positive space

¹ *Mathematical equations are a language that was created by specific conscious lifeforms based on information gathered in three dimensional space-time; used to describe three-dimensional space-time...*

We can now use these laws, axioms, and postulates to begin describing consciousness at the fundamental level.

The axioms of conscious singularities defined previously, refer to one's own ability to process information in regards to the axioms themselves.

In other words, self-awareness, the time before, and time after consciousness are completely subjective. For each moment that passes in reality, a conscious singularity can process more information in reference to their self-awareness, the time before, and the time after their own conscious existence, as they see fit. The terms are relative and exist only in the negative space of the mind, completely separate from positive three dimensional space.

To analog the axioms into more relatable perspective we can think of them as follows: Axiom 1 is self-evident to us all, and needs no further explanation.

Yet how do we know axiom 2 and 3 to be self-evident? How do we know empirically that consciousness existed before us, and that it will exist after us?

All conscious singularities either have or had parents, in some shape or fashion, to bring about their own conscious existence. So long as a conscious singularity is conscious in reality, we can choose to think about all of the consciousness that existed before us. Right now, we can choose to think about our grandpa's, grandpas, grandpas, grandpa...ad infinitum. As silly as this sounds, it is evidence of a self-evident truth about consciousness. Regardless of which grandpa you choose to stop on, it *actually* took the existence of that grandpa, for us to be here in the first place. So where does it end? It ends with Axiom 2: consciousness existed before us.

The third and final axiom is evidenced by the fact that we know consciousness continues to exist whether we are here to observe it or not. If you've ever fallen into a sub-conscious, or no-conscious state, and returned to the full-conscious state (outlined in the body of this paper), we infer that reality continues existing for everyone else. The state of an individual conscious singularity does not cease the conscious perception of anyone else. Axiom 3, therefore becomes self-evident in the fact that we know consciousness continues on whether we are observing it or not...consciousness will exist after us.

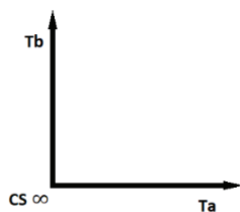
Utilizing what we've just learned about the three axioms of conscious singularities, we can begin to develop a framework for graphing a description of consciousness itself:

CS^∞ = Random Conscious Lifeform

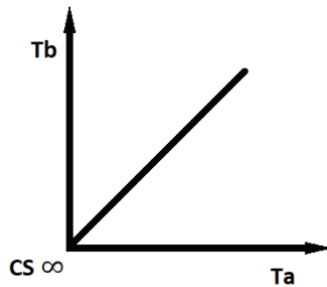
Tb = Time before CS^∞ became conscious, as processed by the aforementioned CS^∞

Ta = Time after CS^∞ became conscious, as processed by the aforementioned CS^∞

Our starting point will be the CS^∞ itself. The y axis will represent the time before consciousness relative to CS^∞ , and the x axis will represent the time after consciousness relative to CS^∞ .

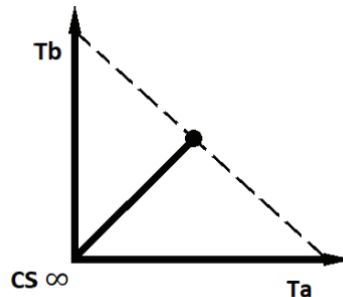


Extend a line segment at a 45° angle relative to Tb and Ta.



This line segment represents the total conscious timeline of the CS^∞ . Every thought, feeling, idea, emotion, memory and mathematical equation could potentially be contained within this conscious timeline. Referring back to postulate 1, this can be represented as negative space since all of this information is subjectively contained within the CS^∞ .

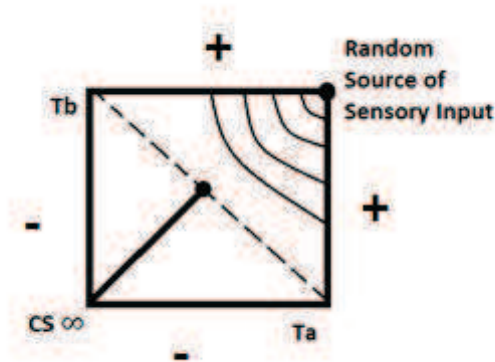
Now we need to account for postulate 2 in the Theory of Conscious Singularities. First we must clearly define the separation between the *Positive Space* and *Negative Space* referred to in postulates 1 & 2



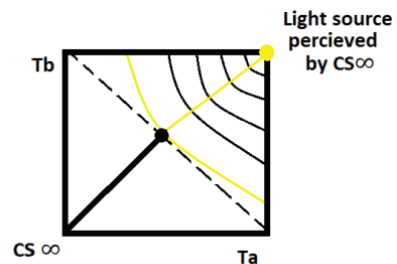
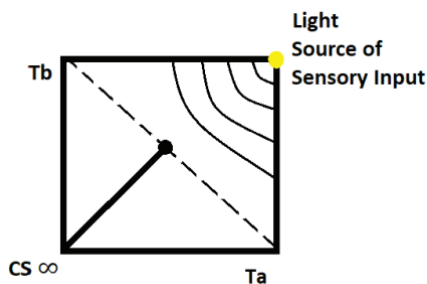
We can do this by extending a broken line perpendicular to the end point of the CS^∞ line segment, which creates a barrier between the positive and negative space. This +,- spacetime barrier is the graphical representation of the mind/body and is best thought of as the perception of present time, or **now**. *In reality, now is just an illusion of conscious perception, as it is always moving away from us. The CS^∞ line segment will grow with every moment that passes to account for the information streaming into the conscious perception of the aforementioned CS^∞ (ageing in real time).*

Now we can begin to incorporate *positive space-time* diagrams into this picture of consciousness. We can use this representation of consciousness to describe our place in the Universe based on the rules of general relativity and quantum mechanics.

Where the end point of line segment CS^∞ falls on the +,- space-time barrier represents the actual location of the observer in positive space.



Once the end point of our CS^∞ line segment at the $+,-$ spacetime barrier comes into contact with any source of sensory input, information flows instantaneously between the CS^∞ and the source itself. In other words, the source is *percieved* by the CS^∞ in real time. *Only when an object is percieved, can we begin to extrapolate more information from the system.*



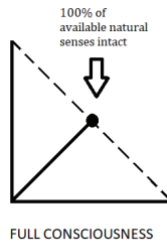
This logic applies to any source of sensory input and explains why an observer who can perceive light will perceive it instantaneously, in the exact same manner when one closes their own eyes and hears a sound, the moment the $+,-$ space-time barrier becomes connected to the sound, one hears the sound. Regardless, if the information we have learned empirically from reality allows us to infer that the speed of light and the speed of sound are not the same with a high degree of accuracy. Perception happens instantly in relation to our consciousness. *Only when we perceive the sound can we extrapolate more information.* For example, How far away was the sound? What was the frequency of the sound... etc.?

Perception is the relationship between the state of a CS^∞ and a source of sensory input and is the only true constant in the universe.

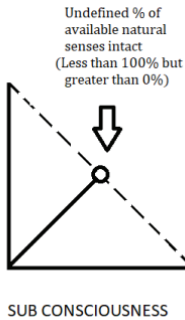
How is the speed of light constant if it can travel at a speed of 186,000 miles per second and a speed of 0 miles per second depending on the observer in question's ability to perceive the light source? This logic can be applied to *all* sources of sensory input.

The 3 Fundamental States of Conscious Singularities

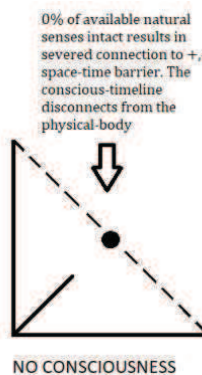
1. Full Consciousness – CS^∞ line segment connected to +,- space-time barrier with 100% of available natural senses intact



2. Sub Consciousness – CS^∞ line segment connected to +,- space-time barrier with less than 100% but greater than 0% of available natural senses intact



3. No Consciousness – CS^∞ line segment disconnected from +,- space-time barrier with 0% of available natural senses intact



*It should be noted that there is only one *true* 0 state of consciousness that is observed empirically; *and that is death*. The more time that elapses when disconnected from the +, - space-time barrier, the less likely the connection is to be restored. We can also never truly know in reality if the state of consciousness is actually 0 without gathering more information from space-time, at a future time*

My hypothesis is: *There exists an analogous state to the 0 state of consciousness outlined in the body of this paper, where when from one's own inertial frame of reference, they subjectively cease to perceive space-time, space and time will elapse instantaneously...*

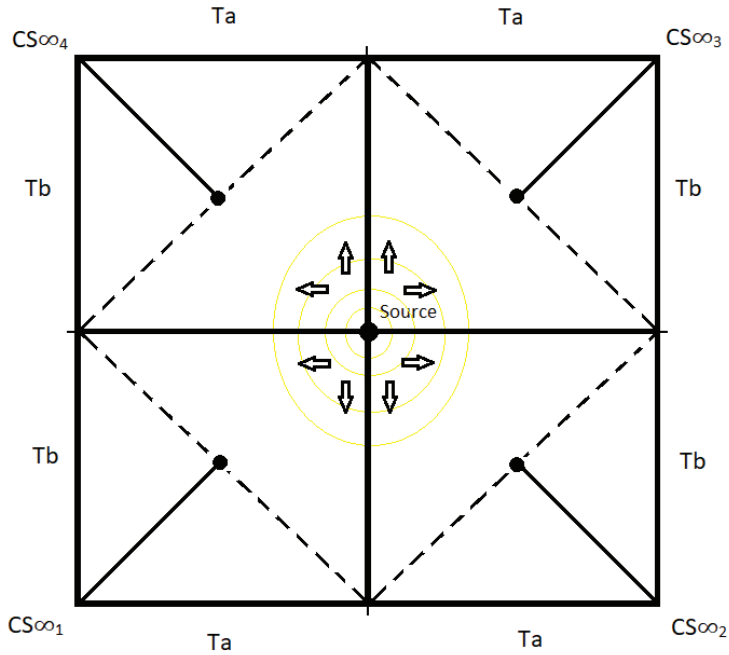
At any moment in time, the three fundamental states of consciousness can be described as follows:

Full Consciousness	=	$\frac{\text{Likelihood or \% chance of losing less than 100\% but greater than 0\% of available natural senses}}{\text{Likelihood or \% chance of losing 100\% of available natural senses. (Disconnecting from +, - space-time barrier)}}$
Sub Consciousness	=	$\frac{\text{Likelihood or \% chance of restoring 100\% of available natural senses}}{\text{Likelihood or \% chance of losing 100\% of available natural senses. (Disconnecting from +, - space-time barrier)}}$
No Consciousness	=	$\frac{\text{Likelihood or \% chance of restoring less than 100\% but greater than 0\% of available natural senses}}{\text{Likelihood or \% chance of restoring 100\% of available natural senses}}$

All other states of consciousness aside from the fully conscious state, the analogous 0 state of consciousness, and the true 0 state of consciousness would fall into the sub conscious category by my definitions. (Again, we can never infer if the state is analogous to the 0 state or truly in a 0 state without gathering more information from space-time, at a future time.)

Multiple Conscious Perspectives of the Universe

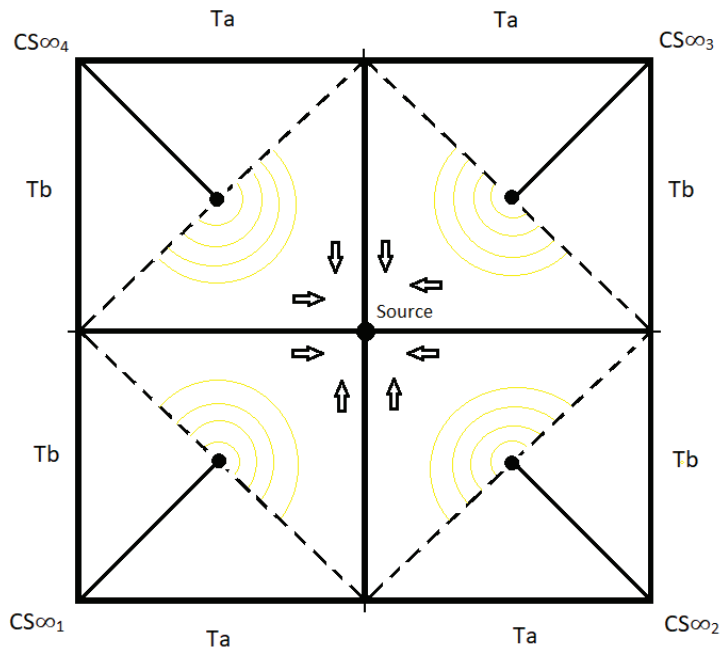
MACROSCOPIC UNIVERSE



In the MACRO Universe information "C" can travel directly into a CS^{∞} 's natural senses in order to "perceive" reality,

Example: Starlight beaming directly into your eyes

MICROSCOPIC UNIVERSE

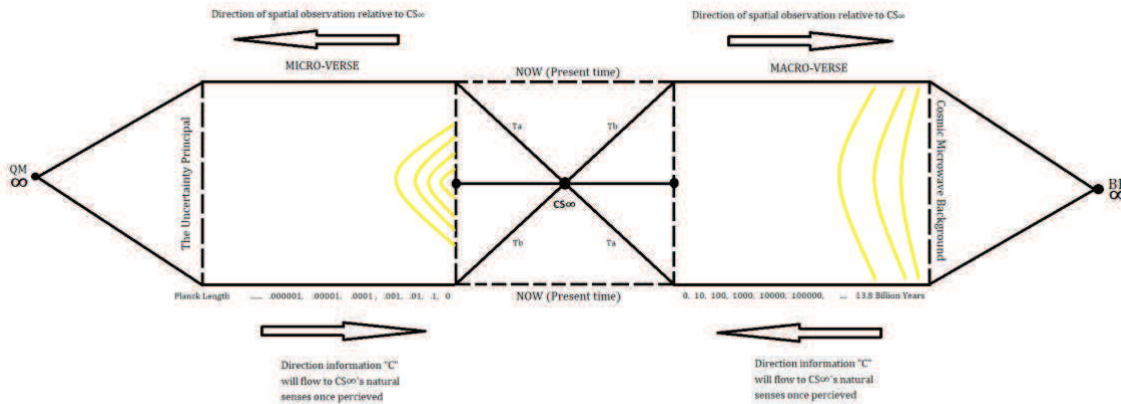


In the MICRO Universe information "C" must be reflected back into a CS^{∞} 's natural senses in order to "perceive" reality.

Example: A microscope reflecting light off an object, too small to observe with natural senses, back into a CS^{∞} 's natural senses in order to "perceive"

The Big Picture

In a CS^∞ 's macroscopic view of the universe, light can beam directly (information can transfer) from certain objects in 3D space-time, straight into our natural senses when we decide to look outward. However, in the microscopic view, a CS^∞ cannot observe truly microscopic or quantum objects with the natural senses, information from this perspective cannot stream directly into our conscious perception. We must reflect light off an object in 3D space-time with the help of an external measuring device in order to perceive this reality which makes it *fundamentally* different from the way we view the macroscopic universe. Because the macroscopic and microscopic views of the universe are two *fundamentally* different ways of looking at the same thing, they must be represented separately in respect to a CS^∞ .



Implications

- One implication of the Theory of Conscious Singularities is the idea of relative conscious time travel (not to be confused with time travel in the physical sense which involves dilating positive space-time). If a CS^∞ enters the analogous state to the 0 state of consciousness, subjectively becoming disconnected from the +, - space-time barrier from one's own inertial frame of reference, there will be a gap in the conscious time line for which no accounting exists. Once reconnected, the amount of space-time elapsed will not be recognized. In other words, if from your subjective frame of reference only; you cease to perceive space and time, space and time will elapse instantly...I believe this idea can be tested in certain lab settings; the models outlined in this work can help piece together snapshots of individual conscious experiences.
- Space must expand in relation to a CS^∞ 's observation of it, to account for the information streaming into the negative space of their conscious timeline.
- The macroscopic and microscopic views of the universe are fundamentally different in the way a CS^∞ perceives them. As such, observable effects with the natural senses in the macroscopic view do not apply to the un-observable with the natural senses view of the microscopic/quantum universe. This theory implies that pursuing a quantum theory of gravity will turn out to be a fruitless endeavor because there is a **fundamental difference** in these two perspectives of the universe relative to an individual CS^∞ .
- The multi-verse does exist; there are multiple conscious perspectives, of the same universe, taking place simultaneously within reality. Not multiple universes which can never be observed empirically with our natural senses...
- The universe has two fundamentally different starting points; the big bang singularity and the moment **you** became conscious.

Epilogue

At 16 years old, just two weeks before I was supposed to get my driver's license, I had my third grand mal seizure. I had no idea at the time, that this experience would shape the rest of my outlook on reality. Before the seizure; the last thing I remember was sitting on the couch in my living room. It was the last memory I had, before I awoke instantly, in a new space, at a new time. I arrived three days later in the hospital and from my frame of reference, this took place in the blink of an eye. For everyone else, reality kept playing out as normal...but for me; I teleported seventy-two hours to a new location in the future instantaneously. From my perspective alone; there is a literal gap in my conscious timeline where I disconnected and reconnected to the +, - space-time barrier that I can never account for. Those memories are lost on my conscious timeline indefinitely.

So what does your conscious timeline look like...?

A thirst for physics, and an interest in explaining this phenomena with loss of consciousness has led me on a quest to objectively define that which is inherently subjective from a fundamental standpoint. Wherein, if your subjective frame of reference ceases to process information about space and time, time and space itself will elapse instantaneously relative to you.

After all, we know empirically that the universe existed approximately 13.8 billion years ago and yet all of that time elapsed by in the blink of an eye prior to your individual conscious existence...

Truly infinite objects cannot be observed empirically by a conscious singularity in three-dimensional space-time. The big bang singularity is obscured by the cosmic microwave background radiation. Gravitational singularities are obscured by event horizons. The infinite possible states of quantum objects are obscured by our observation of them, they collapse into definite positions when measured by any device...

How farfetched is it that consciousness itself is a singularity, obscured by the multiple conscious perspectives of it, taking place simultaneously, throughout the universe? After all, the idea of infinity only exists within the mind of a conscious individual.

The most interesting implication about the theory of conscious singularities to me is that:

*So long as consciousness remains in this shared reality **we** call the universe; there will literally be an infinite amount of information for us to learn and process from all the beauty contained within it. The possibilities are truly limitless within the confines of known laws of physics...*

*The Universe itself exists in an infinite **superposition**, where all the information is **entangled** with the state of a CS^∞ 's perception of it...*