

Have The NPC's Developed Consciousness?

Consciousness, Singularity & Simulation Theory

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We must define (for our own utility) the concept of *singularity*. If the only way we may be living inside a simulation is if we have already reached a singularity of technology, then we must at least abstractly define the idea. We must dedicate some effort as well into exploring previous examples of singularity before we can progress into unknown territories.

Singularity:

Noun

1. The state, fact, quality, or condition of being singular.

"He believed in the singularity of all cultures"

Similar: Uniqueness, distinctiveness, difference, individuality, particularity

2. PHYSICS & MATHEMATICS: A point at which a function takes an infinite value, especially in space-time when matter is infinitely dense, as at the center of a black hole.

If we postulate ourselves to be progressing towards a point where the function of tech development takes an infinite value,

then we must also take into consideration the point in time when the graph began. If the end of the graph is where technology ends, then the beginning of the graph would logically be the point in time when technology began. If this is correct, then what was measured on the graph that ended before the one we are on now?

If technology is the use and implementation of tools by human beings, then the procession towards technological singularity begins with the discovery of our ability to create and use tools. The process could then be said to end with the discovery that there are no more physical tools left to discover and all physical possibilities in our current reality are conceivable and achievable. The use of tools is commonly equated to the dawning of human consciousness, therefore we may reason that the singularity achieved before our current approaching singularity was one of *consciousness*.



Once consciousness achieved singularity (as depicted above in the film *2001: A Space Odyssey*, Stanley Kubrick, 1968), life on earth was exponentially different than the moment before. The progression towards the singularity of consciousness brings forth many questions, foremost of which being what singularity was achieved *before* consciousness?

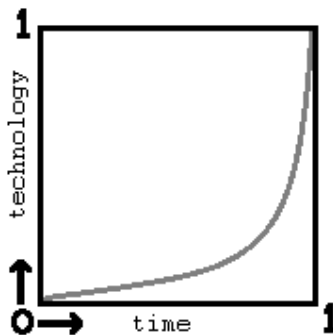
In staying on the topic of computer generated simulations, we must at this moment focus on the fact that life for an unconscious being and a conscious one are so drastically different that it is impossible for the unconscious being to have any context as to the experience of the conscious one. What is also impossible is for conscious life such as ourselves to have any context of what life would be like once technology has advanced to its logical conclusion.

If we were to measure the progression of technology on a graph (over the course of time), the moment when that graph spikes upward exponentially is the point of technological singularity. It is the point in which after we pass beyond it, reality will be indistinguishable from what it is today. There is some debate as to how we will reach this singularity (AI, nanotechnology, quantum computing, etc.), but the general consensus of the intellectual community is that it *will* eventually be reached.

The most logical approach to the technological singularity would be the development of stronger artificial intelligence. It is conceivable that if humans can advance this technology to a point where AI is indistinguishable from human consciousness, the AI will surpass our abilities and develop technology exponentially faster than ever before. At this point of singularity, all things we thought were possible in our reality become achievable (as well as things we have not ever dreamt of).

Exponential Growth

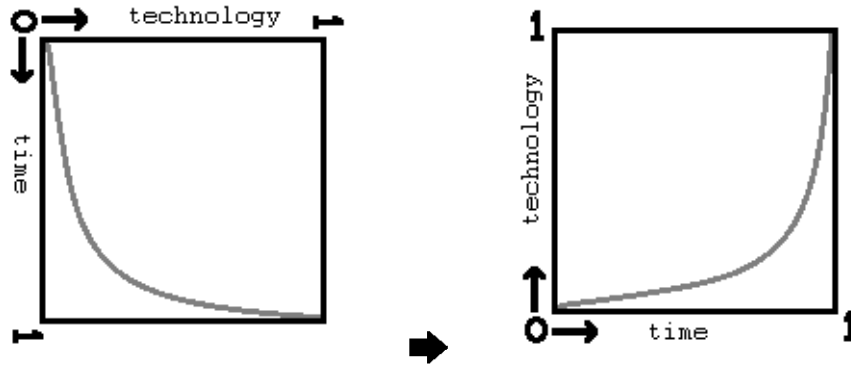
As much as we may try, there is no possible way of conceptualizing the state of our universe after such a singularity is achieved. If something being measured over time is growing exponentially greater (we are measuring our level of technology), there will be a point (as the graph spikes upward) where each moment that passes is indistinguishable from the next.



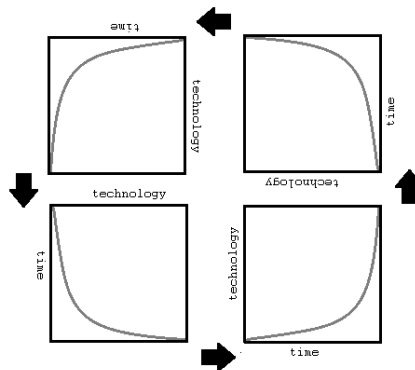
If we are 99% of the way to the point of singularity, than the combined measurement of time from the dawn of consciousness until now and the combined advancements in technology (the entirety of the graph above) would be happening between each individual point on the graph as it continues into the future. This is to say that once exponential growth is achieved, technology would advance moment to moment in the amount that it had previously achieved in the span of time between the singularity of consciousness and the singularity of technology. The graph is moving upwards at such a fast rate over time that the line can be mathematically proven to be straight and at a complete right angle to where it began.

When we turn the entire graph 90 degrees on it axis, we see that the old time line has turned 90 degrees. If the graph proceeds infinitely (now to the right, previously upwards), then

every time it reaches exponential growth (and the line becomes perpendicular to the axis of time), our understanding of time shifts into a new paradigm and a new graph is formed (exactly the same as the first).



If we were to continue this process onward, it could conceivably happen four times until the graph wraps back around again and restarts. It is assumed there is an infinite amount of time between each graph (represented by the arrows between).



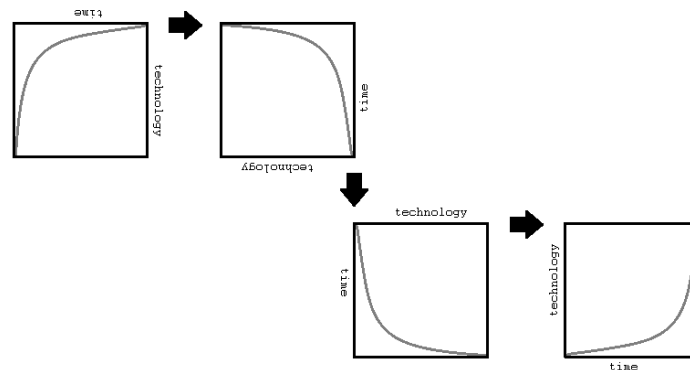
This example works only in theory. Whether we give the flat space between each connecting graph a static value or an infinite value, we must assume that all four values are equal for each graph to connect together seamlessly. As with most matters we as humans deal, this is one of *time*.

Any singularity achieved is the crossing of an event horizon, or a point after which we have no means to foresee the

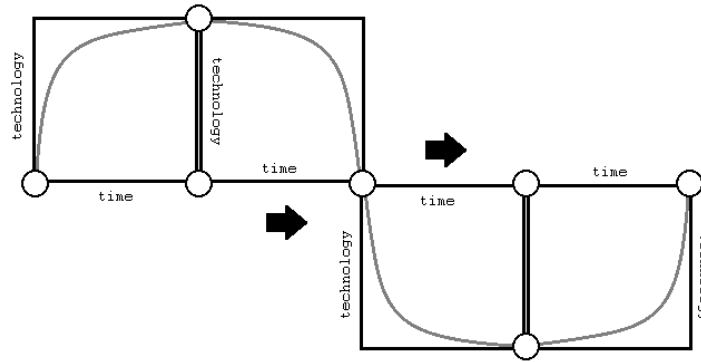
future. This in mind, we have the freedom to manipulate the graphs until we find a pattern that makes sense.

A cyclical pattern seems logical, but there are other options considering our current knowledge of time. Though we seem to be on a linear timeline progressing into the future the sun rises and sets every day, the seasons pass and reoccur, moons revolve around their planets, planets revolve around their stars, and galaxies all orbit around a universal center point. Rectifying both the cyclical and linear aspects of time seems unlikely as unifying general relativity with quantum mechanics.

It is possible that we may manipulate the pattern of graphs (which represent the progression of singularities over time) into a linear representation. In doing so, it takes on the pattern of a wave:



It is more logical that achieving singularities would for a wave pattern instead of a circle, considering that as we progress up to and past singularities, we are progressing in a linear fashion towards what would seem to be a specific destination. Considering that each time the graph rotates (after each event horizon), we may assume that the fundamental laws that govern reality will be indistinguishable from what we now understand. With a dimensional shift folding (and mirroring) the axis, the wave may look more like this:

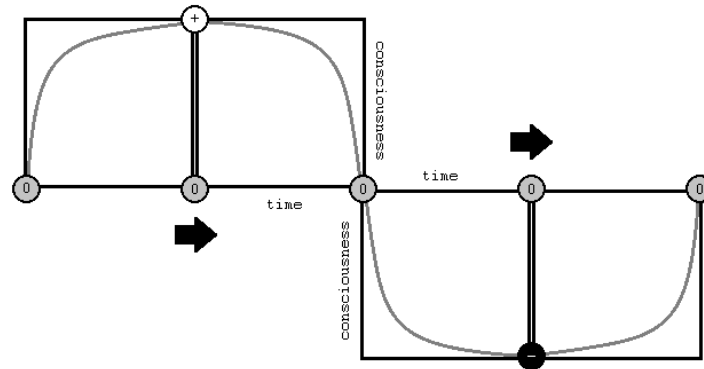


Though we have what seems to be a logical flowing pattern, we are still without a means by which to measure a specific value for technology. Our pattern has frequency (as it is shown to oscillate above and below a neutral point over time), but we are unsure what exactly we are measuring.

Science tells us that in our current reality, a wave can be measured either by amplitude or modulation. This means that they can be measured by the strength of the wave (amplitude, up and down), or by the frequency of the wave (modulation, left to right). Regardless of what medium a wave is projected through, its amplitude and modulation are measured in amounts of energy.

When we speak, our brain uses electrical stimulation on our body as a medium to manifest the source code (information) needed to produce our desired words, which then pass our lips in the form of sound vibration. When a computer displays graphics on a screen, it begins as a coded electrical pattern that is sent through a pipeline to be rendered onto its medium. If electricity is required for manifestation, but only if it has a source code to manipulate it in order to manifest, then it seems logical that manifestation could be said to require some type of consciousness in order to occur (regardless whether the consciousness is self-aware or not).

If this idea is true, then the graphs we have shown could be said to measure the flow of energy over time. Taking into account that energy need not be conscious in this scenario (but also does show the quality of consciousness), we will state that the positive and negative peaks of the wave would represent immersions of energy into and out of consciousness.



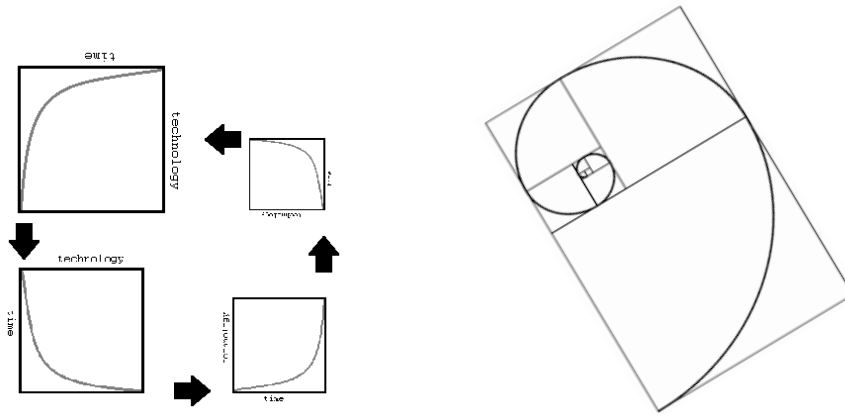
Even if we have only variables and no static values, the theoretic equation that forms this pattern (if true) would certainly be the source code that manifests our reality. This code dictates the fluctuation of conscious energy over time.

If information could possibly be transferred at the speed of light, then the technological singularity must logically come with that ability. The singularity would also bring the ability to project our consciousness into machines. Theoretically, this would give us the ability to project our consciousness at the speed of light. Traveling at the speed of light, as far as our understanding goes, would also give us the ability to manipulate time itself.

Paradoxes of Infinite Time

It seems logical to say (considering our current understanding of linear time) that the time between the singularities (each individual graph) would have been much less than those previous. That is to say that as time progresses linearly, the time between singularities of consciousness become shorter.

If we take this into mind, our previous pattern of connecting graphs becomes less of a circle.



We must remember that we have no way of knowing how dimensions could shift into a new reality after a singularity. If the length of time shortens between each singularity, then the axis of time could begin to curl in upon itself forming a spiral pattern. If extended into three dimensions, this image would look something like a coiled spring.

It is also possible that this concept could also form a wave function as shown previously, except with increasing and/or decreasing frequency of the wave.

Of course, since we are freely manipulating the right angle turns after each time a graph hits its exponential growth point, the idea of decreasing time between singularities could also

result in a wave of decreasing size over time. Considering this is a completely theoretical concept, the pattern could form circles, spirals, waves, or just a line that seems to flow around randomly like the old Pipe Dream video game. Perhaps these are the strings in string theory? Or maybe they are the tendrils of the flying spaghetti monster. The unknowability of the whole thing keeps bringing people back to simulation theory.

The idea that there may be a possible way to map out how realities change after singularities is far-fetched, but the important message to be conveyed is that there must be some type of folding of dimensional axis's after an event horizon that is unknowable to us in our current state. Through rational discourse on what is currently known to us, we may conceptualize *some* change even if the majority is unrecognizable.

Regardless of any chart or graph, we seem to be spiraling towards a center-point of existence where all possibilities will eventually be unified. Our pathway there is the technological singularity and the simulated realities it will bring.