

# The Infinite Nature of Quantum Cosmology

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## Abstract

The connection between the infinite nature of Quantum Cosmology and the infinite nature of God is presented here. At the beginning of the creation process, there was a single God/Void that was divided into many Gods/Voids all filled with Dark Energy consisting of photons which were responsible for creating the Multiverses made of matter, antimatter, space, time, charge, and multiple dimensions of space. The one God initially had no material existence which along with the laws of science was a creation of the powers of His infinite mind. Since the process of creation started with the Dark Energy of the Voids, the Conservation of Energy Principle applied to all of them. If the Dark Energy of each Void were to be finite, then its energy would begin to decrease as Multiverses were created, and the only solution for not violating the Conservation of Energy Principle was that the Dark Energy of each of the Voids must be infinite implying that the Voids themselves must be infinite, and with infinite amount of energy be able to create an infinite number of Multiverses. According to Mathematics, all infinite numbers are not equal, some infinities are greater than other infinities. Hence of the many infinite Voids that were initially created, some Voids were greater than others. Each Void has a Supreme Leader that we refer to as God, and therefore there exist many Gods, some Gods more powerful than other Gods.

## Keywords

Infinite Dark Energy, Infinite Void, Infinite Multiverses, Many Gods, Tachyons

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## 1. Background

The reason for picking this topic is to state the connection between Science and God. To tell the story of multiple infinities and many Gods, let us start at the beginning of the creation process from our point of view. From our personal perspective, there was only one Void filled with Dark Energy and hence only one God. Our Void was bereft of matter, antimatter, space, time, and charge. Dark

Energy from our Void consisting of photons was responsible for creating matter, antimatter, space, time, charge, and multiple dimensions of space (Irani, 2021). Having completed the first and second dimensions that have become part of our third dimensional space, our third spatial dimension (3-D) is currently in the process of building the fourth spatial dimension. Dark Energy is being used to create higher dimensions of space from the first dimension to the  $n$ th dimension, and it is also responsible for the formation and the rotation of our fourth dimension. Dark Energy is the energy of photons located in different quantum levels “ $n$ ” of the void, each  $n$ th quantum level creating the  $(n+1)$  dimension of space (Irani, 2021). While the Dark Energy of the Void has been used to create our 3-D physical Universe and to get it to rotate, it has been presumed that Dark Energy is also responsible for expanding our 3-D Universe, but that is not the case. The expansion of our 3-D Universe is due to the centrifugal force caused by its rotational motion. The Dark Energy of the Void is quantum mechanical while the Energy of the Multiverse is classical. Since the process started with the quantum mechanical Dark Energy of the Void, the Conservation of Energy Principle should apply to it. If the energy of the Void is finite, then it would begin to decrease as Multiverses are created by it and the only solution for not violating the Conservation of Energy Principle would be that the Dark Energy of the Void must be infinite, implying that the Void itself must be infinite, and with infinite amount of energy to be able to create an infinite number of Multiverses. Since 1 kg of mass can create  $9 \times 10^{16}$  Joules of energy according to  $E = mc^2$ , enough energy to blow up a big city, the infinite energy of the Void that can create infinite Multiverses is unimaginably huge, much larger than what our human minds can perceive it to be, quite a valid supposition, since our human 3-D minds cannot even perceive what the fourth dimension of space looks like.

The existence of this infinite Dark Energy is what we human beings refer to as God, but it represents only part of the true nature of God because besides energy, human beings also have intelligence, consciousness, and feelings. According to Christianity, since human beings are made in the image of God, the remaining nature of our one God must also contain infinite intelligence, infinite consciousness, and infinite feelings, which would be a prerequisite for our God to be able to exist initially as the infinite Dark Energy of our infinite Void and later be conscious of all that occurs in an infinite number of Multiverses created with infinite intelligence in accordance with the laws of Physics. Also, it would be a good idea not to hurt God’s feelings by taking his name in vain, or else all Hell could break loose.

You may think the earth is just a dead thing, but I know that every rock and every tree and every creature has a life, has a spirit, has a name of its own (Irani, 2023a and the Song “Colors of the Wind”). Can you make use of the different colors as the color charges of Quantum Chromo Dynamics have done to explain the nature of Quantum Mechanics within the subatomic particles? When your mindset reaches higher to be able to listen to the thoughts of the spirit of one

who has spent his life studying Physics and has gone higher up in vacuum space where matter does not exist, *you'll learn things you never knew, you never knew*. Round like a circle in a spiral, like a wheel within a wheel, never ending nor beginning on an ever-spinning reel, like a clock whose hands are sweeping past the minutes of its face, and the earth is like an apple whirling silently in space, like the circles that you find in the Windmills of your Mind (Song "The Windmills of your mind"). The rainstorm and the river are our brothers. We are all connected to each other, in a circle, in a loop that never ends; all memories coming together to exist as one memory. Once the Multiverse has reached its highest  $n$ th dimension, it begins the creation of the antimatter Multiverse and by reversing time ends the process for the Classical Energy of our Multiverse to revert to the Quantum Dark Energy of our Void (Irani, 2021); and the process repeats itself ad infinitum.

*As antimatter destroys the dimensions of the antimatter Multiverse, Entropy begins to increase, just as Entropy was decreasing as the dimensions of the matter Multiverse were being built. Hence Entropy decreases when time moves forward, and it increases when time moves backwards. Energy and Entropy oppose each other. In higher dimensions since matter is more congealed Energy is greater than in lower dimensions. Therefore, time moving forward increases the Energy of the Multiverse while time moving backwards decreases the Energy of the Multiverse.*

The second law of Thermodynamic which states that the Entropy of an isolated system stays the same or increases is not violated, neither is the Conservation of Energy principle, since the Multiverse is not an isolated system because it draws Dark Energy from the Void during the construction process, and it sends Dark Energy back into the Void during the destruction process. *The same process occurs for all the different infinite Multiverses in every other of the many different infinite Voids.*

According to Mathematics all infinite numbers are not equal, some infinities are bigger than other infinities. As examples: the set of all infinite complex numbers in 4-D space would have all infinite real numbers in our 3-D space as its subset; the set of infinite real numbers is greater than the set of infinite integers because there are infinite real numbers between integers 0 and 1, 1 and 2, and so on; the set of infinite negative and positive integers would have as its subset the infinite set of positive integers.

This implies that from The One God were created many Gods. Just as there can be many infinities; some Gods were greater, implying yielding more power, than other Gods. The Hindu religion professes to have 3 major Gods: Brahma the Creator, Vishnu the Preserver, and Shiva the Destroyer, and a total number of 33 deities which would include the consorts of the 3 major Gods; Sarasvati (Brahma), Lakshmi (Vishnu) and Parvati (Shiva); and other Gods yielding lesser power, than the six that have been mentioned above, some of which are:

*Indra: King of Heaven/ God of rain.*

*Agni: deity in charge of fire.*

*Yama: deity presiding over death.*

*Surya: presiding deity of the sun.*

*Varuna: presiding deity of water.*

*Vayu: presiding deity of the wind (air).*

*Kucera: treasurer of the demigods (God of wealth).*

*Soma (Chandra): presiding deity of the moon.*

Just as two waves interfere with each other, so do two Gods because their situation is not static, but rather it is dynamic. Some, depending on their nature, will interfere peacefully for a union for their common good, while others will interfere aggressively whereby the winner will usurp the loser.

## 2. Conclusion

In a previous paper (Irani, 2023b) we discussed how tachyons from our 4-D space are responsible for turning two quantum mechanical entangled particles in our 3-D space with their superposition of spins into two classical particles by giving the two particles a definite but opposite spin. For  $v > c$ , the Lorentz transformation  $t = t_0 / \sqrt{1 - v^2/c^2}$  changes to  $t = -it_0 / \sqrt{v^2/c^2 - 1}$ . The negative sign indicates that tachyons move backwards in time with its speed  $v$  varying between  $c + \epsilon$  for  $\epsilon$  being a very small number and infinity. For  $v$  very close to  $c$ ,  $v = c + \epsilon$ , time exists forever because  $\sqrt{v^2/c^2 - 1}$  becomes zero, and  $t \rightarrow \infty$  as time becomes ageless. In this regime, the tachyon behaves much like the photon, it exists forever, but it exists in 4-D space. The situation changes dramatically as  $v \rightarrow \infty$  (infinity),  $\sqrt{v^2/c^2 - 1} \rightarrow \infty$ , and the tachyonic motion is instantaneous as  $t \rightarrow 0$ , implying in this regime the tachyon can travel at infinite speed. Hence it arrives in our 3-D space and interacts with the two entangled particles instantaneously before returning to its original location in 4-D space through the Black Holes of our 3-D space. Looking at the picture graphically, the tachyon lying on the imaginary positive axis would rotate clockwise in the direction of time moving backwards by 90 degrees to reach the positive real axis and then rotate counterclockwise by 90 degrees in the direction of time moving forwards, having completed its job of changing Quantum Mechanics to Classical Mechanics before returning to its original location on the imaginary negative axis. The Energy of the massless tachyon is given by  $E = pc$  as  $t \rightarrow \infty$  much like the energy of the photon, and it is given by  $E \rightarrow \infty$  as  $t \rightarrow 0$ .

## Conflicts of Interest

The author declares no conflicts of interest regarding the publication of this paper.

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