

To Maintain Symmetric Universe, Time Seeks Absoluteness; Time Cares For An Anthropic Principle. If An Anthropic Principle Exists, the Reverse Must Be Valid: An Anti-Anthropoc Principle

Prasenjit Debnath

PhD Student, Department of Physics
NIT Agartala, India
prasenjit1001@yahoo.com

Abstract — *the Universe is said to be highly ordered, very peaceful, cool, cold, dark, boring place with nothing is happening for a time frame of human interest. The evolution is ultra-slow with sapient time frame. The ultra-slow evolution is itself proves that time seeks absoluteness and in reality, time is almost absolute (with minimum interaction with space, mass and energy) in the Universe, so are space, mass and energy. But human psychology seeks comparative statement only. That is why number system came into existence to aid comparative study with other quantities or variables. Although number system aid us to analyze things of our interest, but at times, the number system back fires us too. The more we know about us, the less we believe to be survived in the Universe. The more we learn to measure things with accuracy, the more we know that we actually live in the knife-edge accuracy in the Universe. Even one trillionth of a change in the environmental conditions of the Universe can guarantee our downfall to dust. The doctors are more prone to heart attack because they know more than necessary about the vulnerability of human body with compared to common man. Sometimes more knowledge and accurate knowledge back fires you. The nature always loves to be hidden and believes in exceptions at times. Everything obeys the Newton's third law, every action has equal and opposite reaction. Even psychology, knowledge falls into the third law of Newton. Every positive has an equal and oppositely directed negative. That is why, better psychology does not always guarantee you better competency in the Universe; better knowledge does not always guarantee you avoid destruction. So, should we stop gathering information? Psychology and knowledge are also function of time too. Psychology has accumulation and filtering processes of information as a function of time to gather knowledge. So, there exists evolution of knowledge and psychology too. The misuse of highly positive thing can give you highly negative results too. If an atom bomb can protect your country from other countries, the same atom bomb can destroy your country too. This proves that, no matter how much progress we made, we can never achieve the unparalleled comfort zone; we can never guarantee that nothing negative will happen from now on. If success gives you pleasure, success also opens the door for more failures too. If success gives you more pleasure, the failure will make you more frustrated which will create an environment of extreme sense. The more speed you attain, the more bumps you will get from uneven road. If there is nothing as initial, nothing is there as final too;*

anything final needs to be initiated initially. This proves of a symmetric Universe. If there is no beginning, there is no end too. Everything that has an end, has to have a beginning too. An anthropic principle must exist for human race to see the happenings around the Universe and the reverse holds too: An anti-anthropoc principle to support symmetric Universe. If the Universe is responsible for our existence, we are responsible too for the Universe's existence.

Keyword — *Knife-edge accuracy, Anthropic Principle (AP), Anti-Anthropoc Principle (AAP), Psychology and knowledge, Symmetrical Universe.*

1. INTRODUCTION AND THEORY

Theory1: Everything that has an end, had been initiated initially that support the concept of symmetric Universe. If the initial growth follows growing complex exponential curve, then the end follows decaying complex exponential curve.

Theory2: Time seeks absoluteness, independency, time wants to be independent with respect to space, mass and energy; in reality time is almost absolute with minimal interactions with space, mass and energy.

Theory3: There exists an anthropic principle in the Universe; there exists an anti-anthropoc principle too to obey the concept of symmetric Universe and the Newton's third law of motion.

There exists an anthropic principle to accommodate us comfortably in the Universe [1, 2]; although comparative study of us with respect to the Universe leaves us nowhere [3, 4]. If comparative study gives us disappointing results, then, why we follow comparative study at all [5, 6]. And why not anthropic principle that focuses us to the center of the Universe. It is as if, the whole Universe runs with a one goal to accommodate us comfortably in the Earth. This is the real meaning of the anthropic principle. According to the anthropic principle, we are here to observe the Universe [7, 8] and conclude incomplete statement about the Universe and to introduce a lot of infinity to earn sympathy from the insensitive Universe. Knowledge is worthy if it is complete [9, 10]; an incomplete knowledge can lead to worse conditions with respect to zero knowledge. It is because stagnancy is better than a misleading motion. Similarly, complete ignorance is better than

shallow, falsify knowledge. Misleading knowledge leads to concrete belief (superstitions) because this is easier to enlighten an ignorant and equally tougher to give up misleading concrete belief (superstitions) [11, 12]; this is because you need to give extra effort to nullify the superstitions first to make ignorant and further enlightenment required to push to the right path which makes it really tough [13, 14]. According to the laws of motion, if an anthropic principle (AP) exists, there must be an equal and oppositely directed anti-anthropic principle (AAP) to look at it such a way to believe that we are here just to understand the Universe the way it is and the Universe exists the way it is because we exists the way we are. If we are dependent on the Universe, then similarly, the Universe is also dependent on us. If we are here for the sake of the Universe, then, the Universe is here for the sake of us too. If one is correct, the reverse must be correct too, the symmetrical concept of the Universe. The symmetric Universe possess things that exist in pairs like positive and negative, mass and anti-mass, energy and anti-energy, electron and positron, cause and effect, beginning and end, right and wrong, anthropic principle (AP) and anti-anthropic principle(AAP) and many more. Life is a positive half sine curve with the beginning is a growing exponential and the end is a decaying exponential curve. The negative half of the sine curve belongs to the anti-self with the beginning is a decaying exponential and the end is a growing exponential curve with respect to the positive direction (upward in the figure).

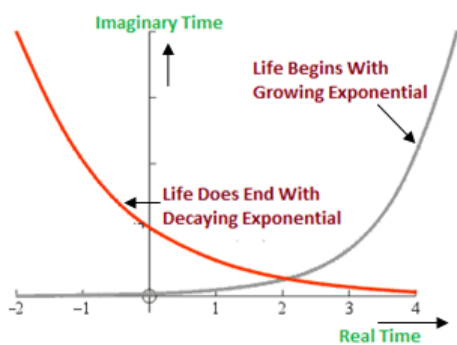


Figure1 Life begins with growing exponential curve and ends up with decaying exponential curve.

Before birth, the progress of birth is too slow and suddenly picks up pace with conception to follow growing exponential curve (in a real-imaginary time frame). Similarly, the transition from growing exponential curve to decaying exponential curve is gradual with a peak in the sine curve. And then decay starts very fast and slows down entire process with death to follow decaying exponential curve in the same real-imaginary time frame with very gradual consequences after death. Thus, the life oscillates complex sinusoidally or equivalent complex exponentially (Euler's formula).

$$e^{jx} = \text{Cos}(x) + j\text{Sin}(x) \quad (1)$$

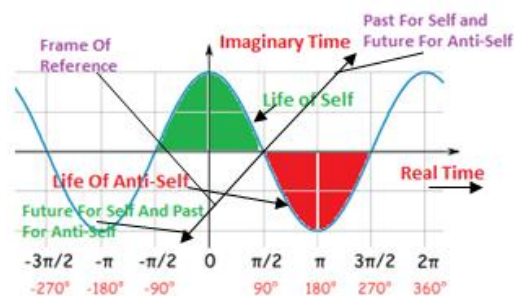


Figure 2 ife of self and anti-self with real-imaginary temporal coordinates with frame of reference

The life of self is a positive half sine curve while life of anti-self is a negative half sine curve. The positive half sine curve (green) moves right in real time to go from future to past and the negative half sine curve (red) moves left in real time to go from future to past for anti-self with respect to the frame of reference (oppositely directed arrow). The upper half of the oppositely directed arrow (or frame of reference) represents past for self and future for anti-self; similarly, the lower half of the oppositely directed arrow (or frame of reference) represents future for self and past for anti-self.

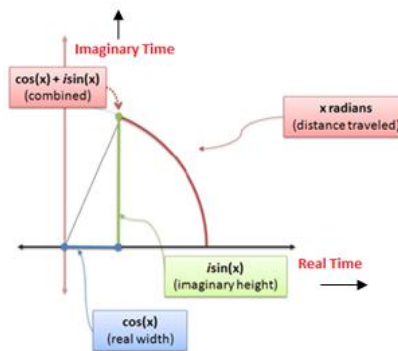


Figure 3 Life is like traversing a circle depicted with Euler's formula.

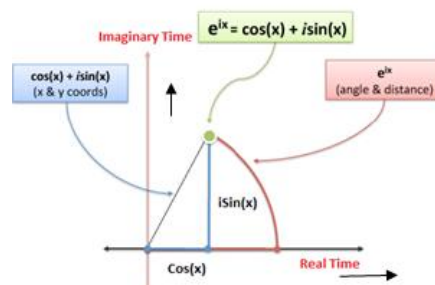


Figure 4 Life tracing (e^{jx}) as complex exponential to obey Euler's formula

The figure shows life in real-imaginary time frame with x-axis is real time and y-axis is imaginary time. The figure represents graphical representation of life that obeys Euler's formula that relates complex exponential with complex sinusoidal. 'X radians' is the real tracing of life (e^{jx}). Real time is something that can be anticipated by psychology, in other

words, the psychology can have abstract idea about the real time. Similarly, imaginary time can never be anticipated before it happens the way it is at present, we sometimes term it as fortune or luck. Life can be traced as a circle in real-imaginary time frame.

2. WHY THE UNIVERSE IS IN MOTION

To balance the symmetric pairs of things like mass and anti-mass, energy and anti-energy, self and anti-self, the Universe sets himself in motion always to maintain stability and prefers to stay in a highly stable state. That is why space, mass, energy and time are highly stable state in the Universe with little chaos due to minimal interaction among them also sets the Universe is motion. The Universe wants to be ideal with absolute space, mass, energy and time. Due to minimal interactions among all parameters, there is little deviation from ideal Universe in reality. Little deviation is the necessary and sufficient condition to set the Universe in motion that sustains little chaos.

5. CONCLUSION

From psychological point of view, the anthropic principle (AP) is absolutely correct to focus us in the center of the Universe. If the anthropic principle is correct, then there exists an anti-anthropic principle (AAP) to support the theory of symmetrical Universe where things exists in symmetrical pairs. The anti-anthropic principle exists to counter balance anthropic principle, which has an opposite reasoning compared to the anthropic principle. Time seeks absoluteness; independency and so are space, mass, energy because the Universe seeks to be ideal. In reality, the Universe is little deviated from idealism due to minimal interaction among all parameters to provide little chaos that sets the Universe in motion to strive for equality, evenness. Thus, the Universe is almost perfect but not absolute perfect; almost ideal but never absolute ideal; almost even but not absolute even; almost regular but not absolute regular. Little chaos is the necessary and sufficient condition for Universe to set himself in motion. Otherwise, absolute Universe would be at absolute rest only with no evolution what so ever. Real time is something that can be anticipated by psychology, in other words, the psychology can have abstract idea about the real time. Similarly, imaginary time can never be anticipated before it happens the way it is at present, we sometimes term it as fortune or luck. Life can be traced as a circle in real-imaginary time frame.

ACKNOWLEDGMENT

I am cordially grateful to **Dr. Aparna Nath**, Associate Professor and my PhD Guide, The department of Physics, National Institute of Technology, Agartala, India, for the epitome of inspiration and motivation to write this particular paper. Also I am thankful to The Department of Physics of National Institute of Technology Agartala (NIT Agartala) for proper conduct and coordination.

REFERENCES

- [1]. Barrow, John D., Tipler, Frank J. "The Anthropic Cosmological Principle", Oxford University Press, ISBN 978-19-282147-8, LCCN 87028148, 1988.
- [2]. Cirkovic, M.M. "On the First Anthropic Argument in Astrobiology", Earth, Moon, and Planets. 91 (4):243-254, doi: 10.1023 /A: 1026266630823, 2002.
- [3]. Cirkovic, M.M. "The Anthropic Principle and the Duration of Cosmological Past", Astronomical and Astrophysical Transactions. 23(6): 567-597, 2004.
- [4]. http://en.m.wikipedia.org/wiki/Anthropic_principle
- [5]. Roger Penrose, "Cycles of Time", Vintage Books, London, pp. 50-56.
- [6]. Stephen Hawking, "A Briefer History of Time", Bantam Books, London, pp. 1-49.
- [7]. Stephen Hawking, "Black holes and Baby Universes and other essays", Bantam Press, London 2013, ISBN 978-0-553-40663-4
- [8]. Stephen Hawking, "The Grand Design", Bantam Books, London 2011
- [9]. Stephen Hawking, "A Brief History of Time", Bantam Books, London 2011, pp. 156-157. ISBN-978-0-553-10953-5
- [10]. Stephen Hawking, "The Universe in a Nutshell", Bantam Press, London 2013, pp. 58-61, 63, 82-85, 90-94, 99, 196. ISBN 0-553-80202-X
- [11]. Stephen Hawking, "The Beginning of Time", A Lecture.
- [12]. Stephen Hawking, "Stephen Hawking's Universe: Strange Stuff Explained", PBS site on imaginary time.
- [13]. Stephen Hawking, "A stubbornly persistent illusion-The essential scientific works of Albert Einstein", Running Press Book Publishers, Philadelphia, London 2011.
- [14]. William L. Craig, "Time and the Metaphysics of Relativity", Dordrecht: Kluwer Academic Publisher, 2001.



I, Prasenjit Debnath, born in Agartala, Tripura, India on 15th of March 1979. I am pursuing a PhD degree in the Department Of Physics in National Institute Of Technology Agartala (NIT Agartala), India.