

What was there before the Big Bang?

Rumani Dey

Abstract— This piece is an attempt to unleash the secrets of the universe through free thought, some observation, a lot of imagination and application of some psychology. Metaphysics is different. It's a pride for the individual who has a subjective viewpoint of nature. Metaphysics is an independent research full of imaginations but analytic abilities. It is not a story though. In this piece I have indirectly criticized the Big Bang theory. It all begins from the concept or religious aspect that there was "Nothing" at the onset of the universe. There was only a small dot. I did not accept that theory though. I added my own imagination here considering "Nothing" as the base. This is also like a story that you might enjoy reading through. The story connects and sometimes cannot connect to different theories like the concept of time, space and then the relationship to human senses and "Nothing". Also asks the question whether the creator of the universe is a irrational intelligence. It also takes you through the concept of that time travel dream which is an abstract dream. This piece is much shorter than the wide sky of knowledge that humans think only they have. There is no limitation to what was there before the Big Bang as no binding to when will the universe become "Nothing" again. Happy reading!

Index Terms— Concentric circles, Space, Time, Time-travel dream, Nothing, Electric charge.

1 INTRODUCTION

This piece speaks of an independent viewpoint of creation and attempts to criticize some established terms in metaphysics. This piece is full of questions. There would be more questions than answers as nature is muted for the human mind. We don't know who we are and why we are here on earth? Creation is a mystery hidden from the human mind for a purpose unknown to mankind. There are several ways to deduce the mystery of how the universe came into being. And scientists have done an extraordinary job by patenting the thing called "Big bang" through terrific research and observation of space for sure. But this piece does not declare war against the "Big Bang". It explains some simple theories like "Is there a perfect circle in nature?". I do have an answer for this. When I see my eyes balls in the mirror I do see two concentric circles. So maybe I have answered your question. The question then arises that would be eyes are spherical though the eye balls seem circular. Then there is this paradox of whether the bird was born before or the egg to which established theories would say or do say that the bird probably evolved out of a reptile or something. So lets start reading some terms being thought of in a subjective manner by me. This is just the beginning of thought. Some deductions out of imagination and no case-study or complicated diagrams as conventional research papers. We are human beings and each one of us are perfectly capable to accommodate our viewpoints in this world of metaphysics.. There are no figures, no tables and no equations in this piece cause its very tiresome to write the equation which contradicts Big-Bang.

2 SOME QUESTIONS

2.1 Is universe result of a subjective viewpoint of the creator?

Lets draw something-a circle.

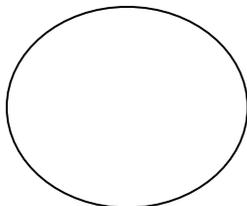


Figure 2.1 a

Can you find out whether when I drew the circle what point I began drawing it from? Can you say I drew it anti-clockwise or clockwise? No you can't say that. If you assume, you might be right and that statistics could be determined through probability theory. And that graph would vary as per all your individual subjective viewpoints, experiences and intellect. So, the problem now is to determine the point on the circumference which is the starting point of the circle. We are lost in universe not knowing which is the starting point of universe. Also we do not know which direction space started

to expand while it started. We do not know whether the universe is expanding or contracting now. I can say this because everyday is repeating. Weather and events are changing but its doubtlessly repeating. The sun does repeat rising and setting every day without fail. It is incorrect to say that universe is expanding without 100% pure proof. Let me give you another complex example which is actually very simple. Can you solve the paradox whether the bird did come first or the egg? To solve this paradox lets try the concentric circle example. If I draw 2 concentric circles, can you tell which was drawn first.

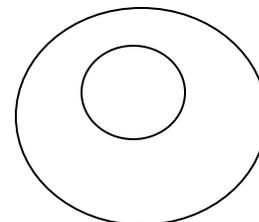


Figure 2.1 b

We really are unable to solve the paradox. But one conclusion can be derived and that is universe had hidden its creation from mankind at least. I don't know whether its out of

fear or nature is shy to portray its subjective viewpoint to mankind. Every scientific theory is biased by subjective viewpoint of the researcher. There is always a different perspective to the same thing. Universe is intelligently subjective but driven by rational thought process of the human mind. So, its completely hidden. But I can't agree to the fact that it is impossible to unleash the secrets of the universe. So, according to few simple examples we can deduce that to some extent universe is the result of a subjective viewpoint of the creator. Craetor can be anything-an intelligence, a dot, God or energy. I do not want to debate on who created this universe.

2.2 What was there before the Big Bang?

I have to assume this. Let me assume there was "Nothing" before Big Bang or "Nothing" existed at the beginning. We don't know how long was the wait till it all began. We do not know why it began. What would be your personal opinion as to why it all began? Utilizing my mind and my sense organs I have noted down few assumptions as to how it began.

"How did Nothing" look like? I want to see "Nothing". But it does not exist. So I assume that its okay for me if nothing is invisible cause I can't see air also. So Nothing is invisible with human eyes but it can exist in some form.

Next as a human I want to smell "Nothing". That is also not possible but I can compare it to oxygen and carbon-dioxide as those are odourless. So now I might be able to assume that "Nothing" can move as air can move and can be inhaled or be absorbed.

Now I want to hear "Nothing". "Nothing" is inaudible. Nothing is audible only in contact with another object but "Nothing" is single. Maybe I am on the right track. So sound wasn't yet born alone.

Next I want to touch "Nothing". Nothing can never be touched. Touch isn't present yet because there is no 2nd object with "Nothing". Can Nothing feel itself? That would be another assumption.

So the only subjective conclusion is that "Nothing" can move. But where will "Nothing" move? There is no space yet born. Nothing is on wheels without space. But how can "Nothing" move. Lets assume nothing is vibrating now as there is no space. But this is just an assumption. We have to think outside the box.

What happened to "Nothing" then? This is about "Nothing" in one universe. In the adjacent universe "Nothing" can't move yet. "Nothing" is just a new born there. But where is the adjacent universe?

So, coming to the bottom line again "Nothing" can move. What is motion? A displacement from one point to another. But then as there is no space the entity "Nothing" basically tends to move.

What do you call such a state of an entity? A suppressed state that is not doing what it is supposed to do freely. An emotion is born within "Nothing". The emotion is unlike human emotion. It is the emotion of "Nothing"(or N). So what else does define the emotion? We don't know much about this emotion. You can move freely on earth but when you are on moon your motion is suppressed. "N" still feels different. What feel is it? A body in motion tends to be in motion unless an external force impacts it as per Mr. Newton. This is a different emotion. I am N. N is unicellular or multi-cellular is not

known as it has no physical appearance. Only reality of N is that N can move if there is space.

An entity able to move but can't do that is an emotion of N. Lets say it just contracts its capability or is forced to do so. So, Force is there in the universe with N now. But Force is not a pressure exerted on a physical entity. It's a pressure exerted on an entity N to mask all of N's free capability. Force in this case would be $F=ma$, no that's wrong

It would be $F=(-N)$ or $F=1/N$, Not clear

If I define Force by F, what would the frictional Force be given by? I think not Force but Friction was born or resistance was born. So N has resistance/friction. Friction won't be appropriate.

Let's say N has resistance now. So can we prove this? There were no electric charge in Nothing but now even N has static charge. But this is not clear. Its vague.

If I assume N to be carrying some electric charge, am I right that N is now an electric charge. Am I right or wrong? From the perspective of human senses at a high level I see an electric charge is born owing to the fact that the creator of this entity cannot hear, see, touch, smell and finally taste "Nothing". But can absorb and vibrate within a constant which we call "T" which is a flexibility to move but is suppressed. What kind of thing has come up now? It is vibrating without space. But we have also assumed that it can be absorbed from the fact that a thing can be inhaled although it can't be seen.

Now what absorbs it, there is no space which can accommodate the electric charge. So, there is another constant which is "A", a flexibility to be absorbed by space or another electric charge if I assume. So, can we as expect electric charge to be inside another electric charge. We need to experiment on that. Generally this is not possible.

We can write this as a definition,

Nothing is not devoid of a vibration and be absorbed/be attracted to another body without space. But Nothing can move and be absorbed /get attracted to space.

So how do we find some space for Nothing to move, to get attracted to get absorbed in. Can the electric charge create space? We don't know. Are we missing something. Yes we are the creators of this electric charge. So, the intelligence exists. The intelligence exists inside us. So, Nothing could have absorbed the intelligence. This is pure metaphysics and madness.

If I consider things which can be seen maybe the clouds do accommodate the electric charge.

Let's go back to our assumption that an intelligence had given birth to an electric charge. Is this possible? No its abstraction without proof. What power can intelligence have to actually create an electric charge? Where does it create it from, before this what had given rise to an intelligence? What is intelligence? Another paradox. Not really willing to go into paradoxes again. This is one dimension to criticizing the Big Bang which is incomplete cause the dots aren't connecting. Let us try to answer some more questions in metaphysics.

ics.

2.3 What is the geometry of the universe?

What is this ? What does it mean? We want to find the math , the coordinates and the equation of the universe. To be able to do so we have to know all the secrets of the universe. Not difficult though . It has to be there if we can see the universe, we can unleash its secrets too. This might be time consuming. I leave it to the debates of the scientific community with all due respect.

Nature must have been happily watching man and woman speaking about how Nature came into being. Might have been angry at the correct presumptions. Might have laughed at and cried to have left the universe enough space for everybody. Yet there are planets devoid of living beings.

Right now lets assume universe is a sphere loving.

2.4 What is outside the universe?

Out of the universe is the place where no intelligence exists or only intelligence exists as an entity to be able to do and create anything. The design of the universe lies outside it. How can I prove this? The third gender, the pink sky, the moving trees , the animal with three eyes and the pure circle exists outside the universe. So, the concentric circles are outside the universe. The 8th color in the spectrum which human eye is color blind to is outside the universe. The perceptions, the dreams of seeing the unseen are all outside the universe. I feel the intelligence is so ambitious and punctual that it is till outside the universe. I do not have a telescope to prove black holes or the intelligence to call such things as wormholes and black holes. Apologies that I could not answer this one too. The math that is unseen and unperceived of is the equation of the outer universe. I do not accept parallel universe concept since it is established already in metaphysics. If “-U” be the equation of the out-sides of the universe, so be it.

What is the difference of +U, -U and 1/U?

Are we living the -U area of the universe?

Its complicated math though needs deep thinking and observation plus experimentation.

2.5 What is time?

Time measures the repetitive and punctuality of the sun. Can we relate time to any diagram, any pattern or any definition? What made me define time? Was there time before Big bang ? How do we explicate those? Let’s try and resolve time to “Nothing”. How was time born out of Nothing? Do we know of any force or entity that can stop time? I want to stop time. Time can be stopped if everything is in constant motion and we do not have to wait at all in our life. We are to move faster than time. Lets imagine that there is no control of our body through of mind. If we were to not have the ability to think or the flexibility to think or wait , we might have stopped time.

Thinking is something only living can do except the plant kingdom. Maybe the plant kingdom has an intelligence too we are unaware of. We have to stop time. Maybe there is no time at all . Maybe time is an abstraction created out of the patience factor of the human mind. So a body which is at halt forever like a plant experiences time differently to that of a body which has flexibility of motion like human beings. So, time is just a creation of the human mind. Can we relate time to our sense organs ?

We can feel time only when our mind is awake but idle.

We can’t really see time.

We can’t hear time.

We can’t smell or taste time.

We can’t touch time or stop time even if our mind wants it to.

Then what is time exactly? Its in our mind and its on all our minds simultaneously. Till we are alive we can think of past and expect future. So, our memory is a time variable. We cannot feel time in the present. Because time does not give us the ability to think of present. We live the present and can remember the events which has occurred at the time duration of (t-1) if “t” is present time variable.

Some irony and fun :

Memory=t-1

Dreams=t+1

We experience time only when we are awake. So, somehow the mind wants to relate time to light. If this be acceptable we can write,

Time is a function of light. Can we then relate time to the spectrum ? The spectrum comes from the sun which does give us light, heat and day=24 hrs. I just do not see how they are connected. So, all we have to do now is relate time to color and also to heat.

How is time related to temperature?

If I draw a curve wherein a day is divided into temperature, what kind of pattern do I get. The pattern cannot be found through this as weather of everyday is different.

Table 2.5.1

Time of day	Temperature of a desert
0	20
1	20
2	20
3	20
4	20
5	20
6	20
7	21
8	22
9	23
10	27
11	29
12	30

13	29
14	27
15	23
16	22
17	21
18	20
19	20
20	20
21	20
22	20
23	20

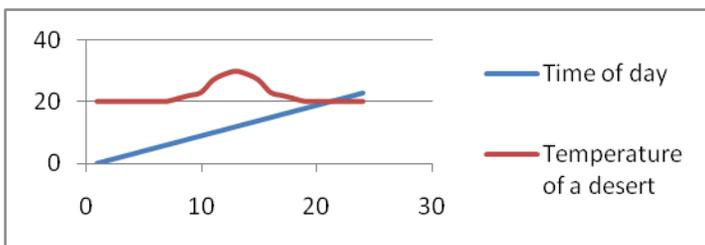


Figure 2.5 a

This figure shows that we get a sine wave if we plot time against temperature of a day in a desert. Not accurately but most likely. This is about time and temperature.

We are yet to discover time and color relation. Time has no color. Our patience has no relation to color. That is a different level of intelligence unperceived by most of us but should not be impossible someday.

2.6 Time Travel-a dream

What is time travel?

Years back when the same sun showed up an unique event had occurred . Unique or common I don't know. What I do know or have is that I want to see it again today.

What is today?

1. Today is an expectation yesterday had so intense that the sun could not fail to show up
2. Today has or does not have the same weather as yesterday, we did not notice
3. Today's events might have happened to me but had occurred similarly or differently as the past to me. I had been chosen for it

What is the pattern of yesterday and today?

It is difficult to observe the pattern

What is common and did not change between yesterday and today?

1. It's winter and 4pm yesterday and today are both late afternoon. So we can say that within a span of a season yesterday and today feel similar.

What changed between yesterday and today in my life?

1. Day was day and night was night. Some events had changed. The people I met are different in both the days

2. The things they told me are different

3. The choice of clothes were same or different in both the days for the people I met

What was different half an hour back than now?

1. Half an hour back I had planned on what I would do now

What is the reason behind what happened half an hour ago and now?

Time is an abstract quantity. Still we have counted it as uniform moments. And summed them up to 24 hours. What if we perform a cumulative summation of the moments? What if we could integrate the moments?

What is a moment?

A moment may be assumed as t_1

After 1 second t_1 if considered as discrete would be memory or past

After 1 second t_1 if considered as continuous would be a point on a circle say which is lost or has to be found again..

How can t_1 be both continuous and discrete?

An event is discrete as perceived by our minds.

Universe might still see it as a continuity.

Do you think universe has a memory?

Not necessarily

Which is that thing which is both continuous and discrete?

Well there are many things like the sunlight, air, wave but these are all part of the continuity of the universe . How can time which is already abstract be both continuous and discrete?

Let us assume time as a cumulative summation--

Let us assume time as a variable--

Let time be depicted exponentially in the madness of the unknown universe.

Time is continuous. If we have to go to past or future the time which is abstract has to be in motion. I need to find a point on a repetitive entity which is divergent. The point I am in search of is a past event. And the point in the divergence is a future event.

Now let's say I want to find that lost 24 hours =an event say Aug 11,1986.

I also wish to come back from Aug 11th, 1986 to future that is today which as relative to the day Aug 11th, 1986 has not yet occurred .

Time is continuous. I want to go to future. Now going to future is seeing a point in the divergence which did not get created yet. So the divergence can be assumed to be discrete. But it did not happen . Yes so only I call it discontinuity. But I have full faith in the sun that it will rise on Aug 11th, 2020 whether I am alive or not Till that day.

If time is moving straight and the past is getting discrete or is disappearing then what is the pattern? The past has disappeared, the events disappeared though time is repetitive. So a circle which is getting created everyday and everyday is different. Where is the everyday=an event located in the circle or any other pattern ?

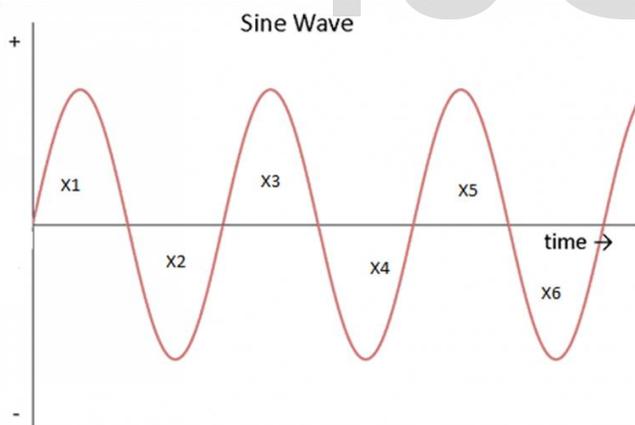


Figure 2.6 a

We need $X1=X5$ =an event.
 $T1=T5$, only events have changed
Nature gives flexibility for $X1$ to not be equal to $X5$.

What would happen if we try to live $X1=X2$ by choice. By Probability theory , $P(X1)$ is not equal to $P(X5)$ when $T1=T5$. Though nature has this repetitive and chaotic non-uniform style , I still believe its possible. Why are we living different lives and experiencing different weather everyday? I need a wave which flows backwards.

What is a wave?

A chaos that is moving forward only but inside a repetitive curvature.

Why is $X1$ not equal to $X2$. Is time responsible for this chaos? What happens when things move forward? Do they create chaos which is non-repitive? Which is masculine-day or night? What will happen if $X1=X2$ or day=night?

Questions are if we go back in time from $X3$ to $X1$, will we land on the same time ? Does it take time to move back in time? If yes how much?

We can conclude that weather and events change , but time repeats.

3 Conclusion

There are more questions that will need answering in the next paper like "What is space?" , "Can there be a space without time and a time without space?" , "Is there space-time outside the universe?". This piece has not taken into account the concept o Space. The concept of space will be taken care of in the next paper. Hope you liked to read through this one.

REFERENCES

<https://www.google.com>

• Rumani Dey is currently working in an IT Company at Kolkata, India, E-mail:rumani.dey@gmail.com