

# Is Time an Illusion or Does A Single Moment Exist?-A Fundamental Quest

Physics Science

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**Abstract:** *What is Time? Does time really exist? Is time an illusion? Can time travel be possible? Are there any existence of past or future? Can we predict future accurately? These are the most fundamental quests in the world which always make the Mankind puzzled. According to Physics, Time is a sequence of events (or more correctly moments) containing past, present and future. But there are no satisfactory attempts to explore the unknown reality of time .This paper raises the question over the existence of time and strongly emphasizes on the existence of "Single Moment i.e. NOW". "A Single Moment i.e. 'NOW' is the still picture of the conscious state of the whole Universe including our own consciousness. This single moment or still picture is perpetually, automatically and repeatedly getting changed and turns into new conscious state of the Universe." Only one single old moment or conscious state is getting modified and changed into new single moment or conscious state . Thus we can not get the past moment because it has already become a new single moment. There is no possibility of the existence of past .Only Present moment is existing. The present actually modulates the picture of past. We and the entire universe reside in the same moment i.e.in the same conscious state of universal consciousness. This theory also shows the non-existence of future. Because without present moment we can not get the future. But we only know the present reality because we are residing as well as existing in the same present moment.*

**Keywords:** Single Moment, AUTO (Automatic Universal Time Operator), Universal Consciousness, Non-existence of Dynamic Properties

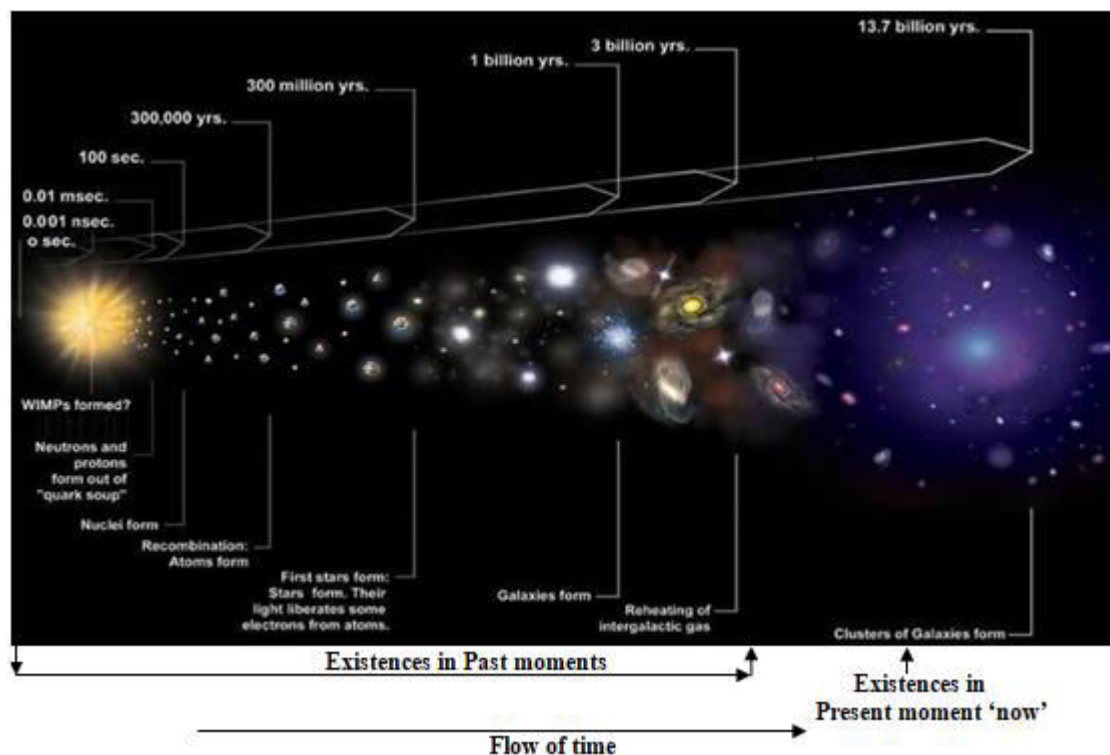
## 1. Introduction

'Time' – this particular reality governs the entire Universe and it's each and every static and dynamic process .All the scientific measurements depend on time. According to Physics , 'Time is a sequence of events(or moments) .It can flow in unidirectional way containing past, present and future .Albert Einstein defines time as forth dimension . But the question is 'does Time really have any existence?''This theory raises question against the traditional concept of time and is trying to explore the unknown reality of a single moment.

## 2. Conceptual Background

Before analyzing the theory, some doubts are placed here such as,

- 1) Can someone's future become someone's past? If it is then time should be different to everyone .
- 2) According to traditional concept, it is thought that time is flowing irreversibly from past to future . The following picture shows the flow of time :



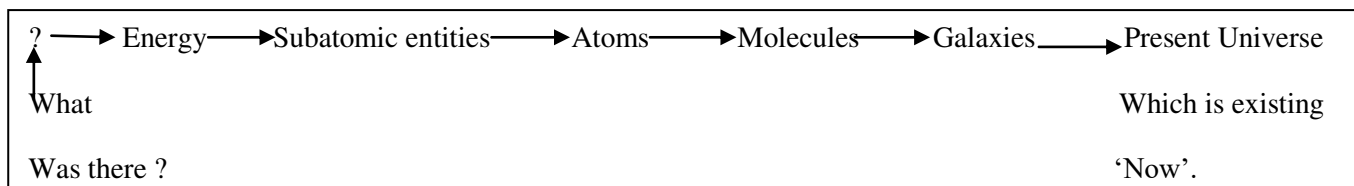
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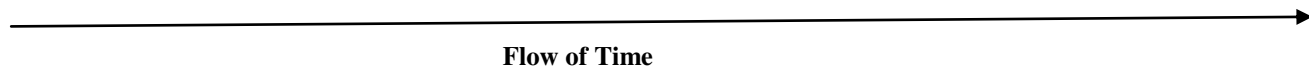
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But few questions are arisen .First of all, if past exists then why we can not get the past moment which exists just before

the present moment i.e. now? As an example; The sequential events of Big Bang:



**Past moments of formation .(Do they really exist ‘now’?)**



**Flow of Time**

**Sequence of the moments of the formation of the material universe from Big Bang:-**

- 3)Is time related to our memory?
- 4)Big Bang is considered as the origin of our material universe .The origin of the universe is the origin of everything. From the moment of Big Bang time has been started and it is considered as zero. But the thing is how the Big Bang as well as the universe came into existence from nothing, which is a still questionable mystery. What was before Big Bang ? Does our universe really have (need!) any origin?
- 5)Does our universe exist forever?
- 6)Do only human beings (observer) have the perception of time in the universe?**

**3. Theory and Analysis**

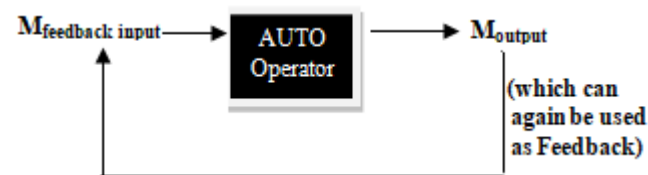
Assumptions:

- 1) The very traditional concept of the unidirectional flow of time from past to present to future is to be discarded.
- 2) Universal consciousness over living and nonliving systems is to be considered.
- 3) Only single moment i.e. ‘NOW’ exists .A single moment is the still picture of the conscious state of our universe including our own consciousness.

**Automatic Universal Time Operator (AUTO):**

The concept of the Automatic Universal Time Operator (AUTO) is a model problem to explain the reality of single moment. AUTO is an imaginary universal perpetual mathematical operator which can operate on a single moment and can turn it into new moment .If a single moment is put into AUTO, it can get changed into new moment by the AUTO and can be obtained as output. But the question is which can make the AUTO perpetual? The answer is that the output moment which is obtained from the operation of AUTO can be a Feedback input and again will be operated by AUTO .It is clear that only a single moment is getting changed and modified repeatedly.

If we define a moment as ‘M<sub>input</sub>’ then we can write;

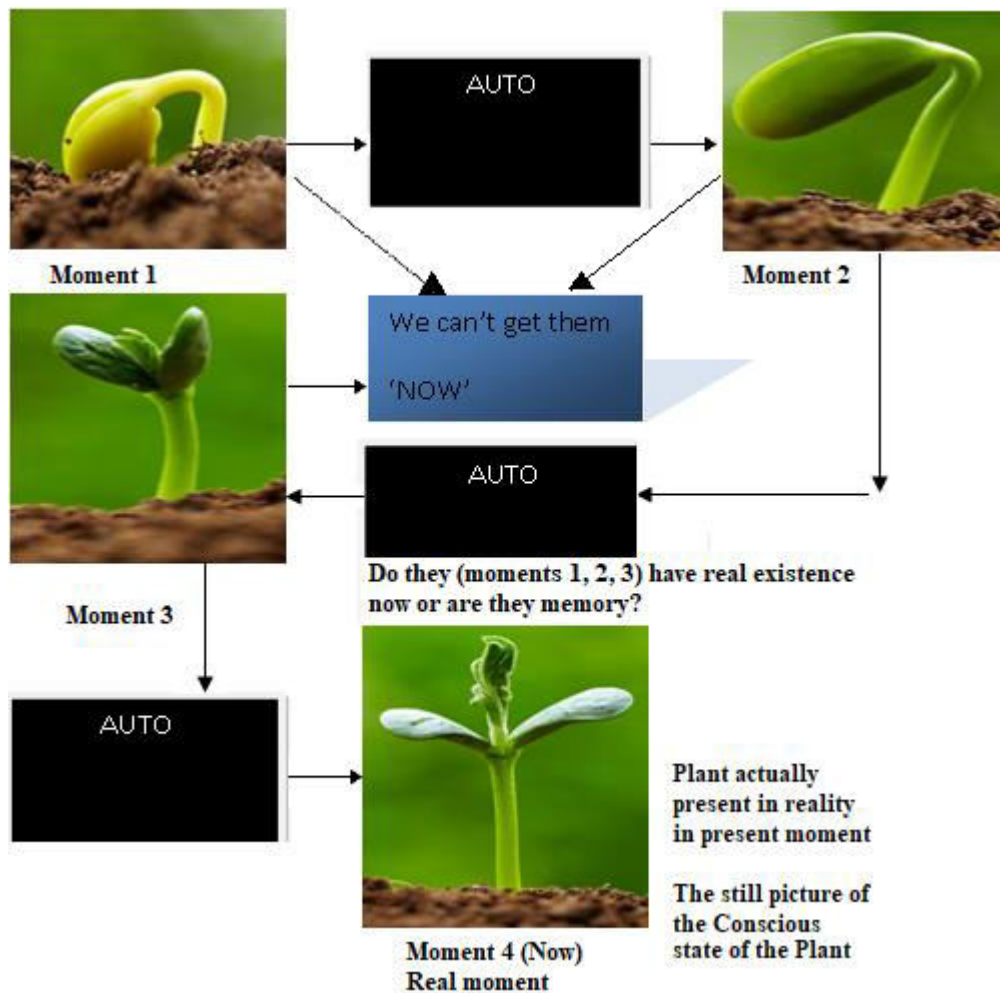


The above diagram is showing the function of Automatic Universal Time Operator (AUTO):-

Mathematically it can be expressed as,

$$M_{output} = AUTO(M_{feedback\ input}) \dots\dots\dots (1)$$

**Example: The moments of germination of seed to plant:**



In the above example, the single moment is repeatedly getting conversion into new conscious moment by the action of AUTO over it. Thus the moment germination of seed (moment 1) is getting turned into moment 2 by AUTO. Moment 2 is getting changed again by AUTO and becomes moment 3 and finally moment 3 becomes moment of the birth of new baby plant (moment 4 i.e. now). If we examine carefully we will see that the previous moments of germination have no existence in reality, rather we get only the moment 4 (NOW). The previous moments which we get, have become present moment now, and are really the pictures stored in our brain as memory.

But there is a dissipative effect in each and every natural process in the universe. Is there any dissipation in this process? If any then what kind of dissipation occurs in this process?

Like other processes obviously here also a dissipation exists. The dissipation is our 'Memory' in our brain which can store the picture of past moments.

It is obvious that AUTO can change our own consciousness as well as the universal consciousness.

Again there is a doubt .How can we understand that AUTO is functioning? In every field of science ,there must be a living observer who is called 'System'. There is no single example in the universe where system can analyze the system itself within remaining in the system.

So the conception of the imaginary machine like 'AUTO' has been discarded. Rather we just took the fundamental idea of 'Single Moment i.e. NOW' i.e. the still picture of the conscious state of the universe including our own consciousness which is getting changed automatically and repeatedly and being modified into new still picture. Thus we can not get the past moment because this past moment has already been changed into present moment. The past moment is the feedback of present moment. We are always with the present single conscious moment. This very change does not require any time .This is an automatic change of universal consciousness.

If we assume only the human beings have the perception of time then the question is how we perceive time? Think about 'now'. Now the whole universe along with us are in static condition which is the still picture of the conscious state of the universe called 'Present Moment' .Now this moment is getting changed itself and turned into new moment. The picture of the past moment is stored in our brain as 'Memory' and we get the transition into the modified universal conscious state of single moment.

When we perceive present moment, due to our default brain functions we get the remembrance of past events which are actually the still picture and have no real existence , are stored as memory in our brain. In reality our consciousness makes a link between the present moment (reality) and memory (non real past). That's why we think that time duration exists.

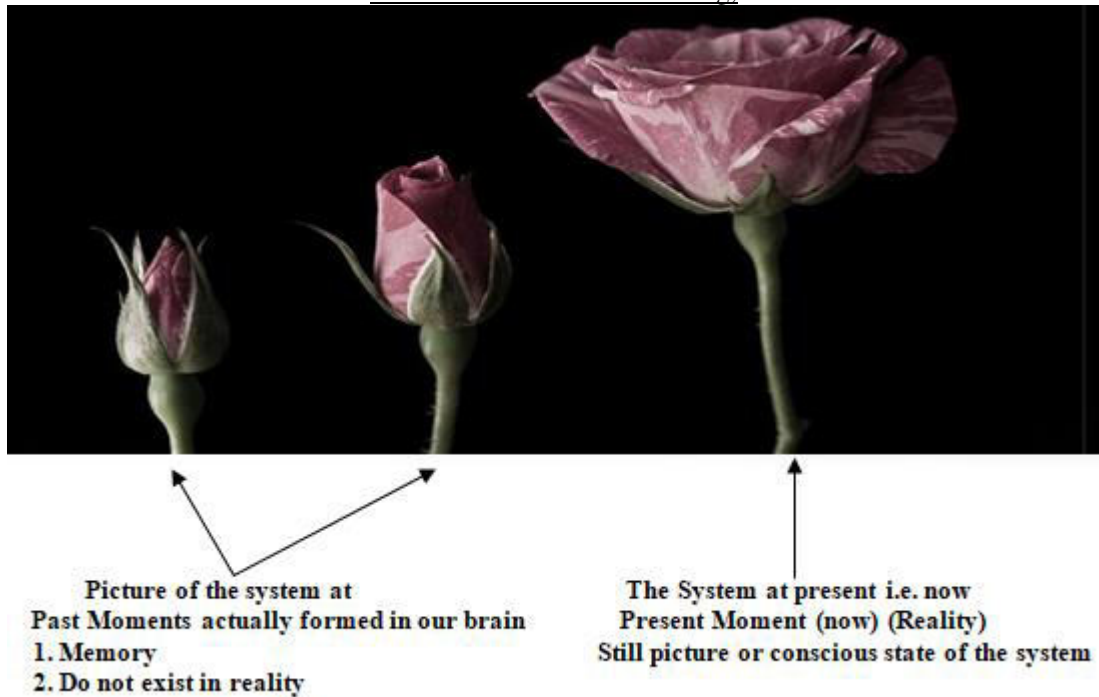
The following example reveals the truth;

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The moments of flower blooming;



The past moment is getting turned into present moment.

The same system is getting changed repeatedly.

Memories + Present reality = Time duration (really an illusion!)

#### Some important inferences:

- 1) Non-existence of dynamical properties: This theory discards the possibility of the existence of past .Hence any dynamical properties like velocity, kinetic energy, momentum, frequency etc. do not exist.
- 2) Impossibility of Time- Travel: This theory shows the non-existence of time duration. There are no past and future exist. Only present moment is existing .The present moment holds the picture of past. So no time travel is possible.
- 3) Non-existence of Arrow of Time: As far as The single moment is concern ,it is clear from the theory that Time does not exist and there is no flow of time .Thus there is no arrow of time.
- 4) What was before the moment of BigBang?: This theory clearly indicates that the explanation of creation of the universe as well as origin of time from BigBang is inadequate .This theory shows there must be a conscious moment before the explosion of BigBang and thus this only single conscious moment of explosion is getting changed automatically and repeatedly and becomes 'Now' .There are no several moments existing i.e. no flow of time. .Only single moment 'Now' is getting modified into new conscious moment 'now'. It can be thought the energy from which our material universe came into existence ,may exist forever ,has no origin (Is it 'Universal Consciousness' which has no origin, exists forever and is changing itself automatically up to infinite extent?) Does our universe really need any origin?

#### 4. Conclusion

It is the moment to re-think about the orthodox. It can be inferred that past is our memory, present is our consciousness and future is the probability. More research are needed to explore the fundamental reality of universal consciousness.

#### 5. Acknowledgement

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