

## **Time Paradox**

(Proof that Time/Tense - Past, Present Future - Is Relative with respect to Various Entities)

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## **Tense Paradox**

### **Abstract**

There is a paradox involved in applying the concept of Einstein's relativity which creates a confusion of tenses. This is an important question, not only in the scientific field but also in the day to day life of human beings. We state the paradox in four steps, which is necessary to solve the confusion involving tense. This is a thought experiment relevant to each and every person/ It will focus on the preparation of a time machine, and will even tell us if it is possible to create one.

### **Introduction**

We know that there are so many theorems introduced on time. Einstein's Theory of general relativity is focused on the concept of 'Time' and 'Space'. The book of 'The First three Minutes of Time' written by 'Steven Weinberg' and the book 'A Brief History of time' also focuses on the concept of time. Many theories are introduced in an attempt to solve the concept of time. We discussed here, the confusion involved with time and show that time/tense is a quantity, that is dependent on each and every observer.

## **Tense Paradox**

In this paradox we will see four steps and will prove that the whole universe may be present in the present/future/past tense. There is no specific tense in which all of us are present at any time.

We are not exactly present in the present tense. We all may also be present in the future and past tense. Hence, we must find out our real position. The questions introduced are,

- 1) Can we find the real tenses?
- 2) In which tense are we currently present?

The four steps are as follows

### **Step 1:**

If we would create a time machine and go back 100 years in our past, then with respect to us, we would be present in our past tense. But with respect to those people (the people of 100 years ago), they would be in their present and we would be from their future of 100 years. We would know all the information about their future.

### **Step 2:**

If we would go 100 years into our future, then with respect to us; we would be present in our future. But with respect to the people of that time, they would be present in their present time and we would be from their past. They would know all the information about our future.

### **Step 3:**

If people appeared from 100 years in the future, then they would exist in their past. Our present would be in their past and they would know all information about our future. With respect to us, we would be in our present and they would have come from our future.

### **Step 4:**

If some people would come from 100 years in our past, then with respect to them, they are in their future and we are present in their future. But with respect to us, they would come from our past and now they are in our present.

### **Conclusion:**

If we analyze the above-mentioned thought experiments then we can prove the following,

- 1) Today, we are present in our present tense with respect to us. Now, the present tense is operational.

- 2) If some people of 100 year ago arrive, then they would be present in their future, which means our present is their future.
- 3) If some people of 100 year in the future arrive, they would be present in their past and they would be re-living it.
- 4) From 1, 2 and 3 we prove that a simultaneous present, future and past is active with respect to the people with different tenses.
- 5) Hence, the major question is,
  - a) In which tense are we now present?
  - b) Which tense is operational?
  - c) Is the tense with respect to each and every person different?

***So that from above mentioned thought experiment, it is proven that time as well as tense (past, present, future) is relative with respect to different persons with different tenses.***