Time model

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Abstract

There is an absolute space-time framework in the universe, and time is the state and result of the system moving in the absolute space-time framework.

Introduction

This paper includes several concepts and related discussions. The concepts include: time, absolute space-time framework, absolute time, local time, local time comparison of the two systems. The last part is the discussion of several questions about time. As always, first give the conclusion, then discuss.

Conclusion and concept

1 Time: the state and result of system motion in the framework of absolute space-time of the universe.

2 Absolute space-time framework: three-dimensional space framework and three-dimensional time framework constitute the absolute space-time framework, and space-time integration.

3 Absolute time: the distance that the system passes through in the absolute space-time framework.

4 Local time: the time determined by certain periodic motion in the system is local time.

5 The difference of local time between the two systems: Different systems have different motion states in the absolute space-time framework, which leads to different local time.

Discussion

1 The concept of time

Movement generation time. The movement of the system in the absolute space-time framework produces the system time. If a system is stationary relative to the absolute space-time framework, then the system cannot exist in the framework. Each part of a system has the same state of motion. A system can be: a particle, a cell, a dinosaur, a spaceship, a planet, a galaxy.

2 Absolute space time framework and absolute time

There are two basic questions about time: Why does time flow? Why is time different in different systems? Newton answered the first question and Einstein answered the second. This time, we can answer both questions at the same time.

We believe that:

The distance that the system moves through in the absolute space-time framework

= Time that the system passes through in the absolute space-time framework

= Absolute time

The significance of absolute time is that it can easily compare the local time of different systems.

3 On local time and time difference between systems

Obviously, the local time of a system is consistent. Because each part of the system has the same motion state, they pass through the same absolute time. For example: There are two clocks A and B in a car. Assuming that the two clocks are exactly the same and both operate normally, then the time of a and B are the same. Figure 1



Fig. 1. The local time in a system is consistent.

For the same reason, the local time of different systems will be different. Because they move in different states, they go through different absolute times. For example: Two cars move at different speeds, each with a clock. Two clocks A and B are identical and operate normally. Suppose that the rate of A is V_A and that of B is V_B , and $V_A > V_B$. When A and B run the same period respectively, the distance A goes through is S_A , and the distance B goes through is S_B , then there is $S_A > S_B$. Figure 2



Fig. 2. Different systems go through the same period, but different absolute time.

Therefore, in the same period, the absolute time of A is greater than that of B. In other words, A takes more absolute time than B to do the same thing. So, A looks slower than B. And the local time of a system is consistent, so everything in system A seems to be slower than system B. This is the source of the local time difference between different systems.

Time and space are integrated, and time comes from movement.

Some conjectures about time

1 Back in time

It can't be done. The distance that the system moves through in the framework of absolute space-time cannot be reduced or even zero. The arrow of time cannot turn back or stop.

2 Accelerate to the future

It can be done. There are two methods: Prolonging local period and increasing absolute rate. Like hibernating and flying in a high-speed spaceship. Absolute rate is the rate of the system relative to the absolute space-time framework.

3 Slowing down to the future

It can also be done. There are also two methods: Reduce local period and absolute rate. The advantage of this is that you can finish the work that takes a long time in a short time. For example, let the plant grow fast, let the computer complete a lot of work.

4 The beginning and end of time

Matter produces motion, and motion produces time. Matter is eternal, time is eternal.

Thanks to Newton's absolute time and space. Thanks to Einstein's relative time and space.