

SECRET OF THE TIME

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I devoted this article to the Time. What the Time is? The question has been arising within the long period of human existence. I would say that Time is strongly connected with Matter. The Time is strongly connected with Universe and its evolution. This is what I am going to speak about in the article.

Introduction

Numerous books, articles and researches have been devoted to the question of Time and the answering. Anyway, what is the real sense of Time? What secrets does Nature hide under the name of Time?

A century, a year, a month, a day, an hour, a minute and a second are the invention of the human mind. However, a year and a day are the real meanings that exist, as far as the Earth turns around the Sun for 365 days and the Earth turns around itself for 24 hours. We admit it intuitively, unconsciously and reckon it as the time unites in Nature. And the question "What Time is?" still remains.

"Physical" Idealism established his absolute power in physics. This is manifested in everything. This is primarily manifested in the negation of matter. But this is a fact established by natural science the nature or the world surrounding us is the material in its core. Matter is the foundation of the universe and the substance of the nature. In nature there is nothing that was not moving matter. It means that time is inseparably connected with the matter. It is only necessary to establish the connection. It is necessary to specifically demonstrate how the natural universal time is directly related to the matter. The distinguished physicists could not do it. Here that Lee Smolin the modern theoretical physicist writes in his book "Time Reborn": "Many (physicists and philosophers) believed that time is an illusion". This is a sample of the top of the degradation and the triumph of obscurantism. A very

long time it is known that any power corrupts, and absolute power corrupts absolutely. That the vast majority of physicists of the last century have "corrupted" by "physical" idealism. Physicists have turned away from materialism and from nature, and it shrugged off the truth. About the "physical" idealism writes and gives him a complete characterization V. I. Lenin in his book "Materialism and Empirio-criticism. Critical Comments on a Reactionary Philosophy", published more than a hundred years ago in Russia. I am not a physicist. But I take the responsibility to show in this article, as the time connected with the matter.

Part 1

Time cannot be stopped. I can say that Time is God but it will not be the answer. I can say that Time is like the flowing water. It is something incomprehensible. Time is irreversible. It is like an arrow flying only forward to the unpredictable future. I can say that Time is one of the basic forms of the Matter existence. In this way, I would compare Time with Matter which cannot exist in unmovable state. Movement is the immanent state of Matter. It cannot exist without Matter as well. Matter takes place within Time and Space.

In the human mind Space and everything in it exist in the 3-dimension measuring. Time is the 1-dimension essence. Comparing Time and oscillator, I mean the certain move of Matter from Singularity (that is outside Universe) into Universe. In such state of the Matter movement, everything in Universe exists and has its primordial definite sense.

At the heart of natural universal Time some rhythmic process of movement of a matter should lie. It is possible to take any process in Nature as Time standard unit definition. Matter is primary essence of Nature and Consciousness is the second one. Consciousness is the reflection of the material world. The Consciousness of the person reflects the real world in the ideal modes creates abstractions and operates with them. These are bases of dialectic materialism.

Part 2

Speaking about Time I can call Nature the source of the primary pulsing oscillator processing which is necessary to be searched. It is quite clear that this is the rhythmic movement of Matter.

From this point the two questions may arise: 1) “What is Matter”? 2) “How and to where does it move”?

In this way, let me speak about Matter not as about the philosophical category. Matter is an objective reality of the external world and Matter is a substance of Nature. Matter is moving from Singularity into Universe. In such case all and everything in the nature take an own place. Let me call Singularity as a primary “storehouse” of the Matter. Matter in Singularity is in its primary state, is in the pra-Matters’ state. Nature is not created by the human Consciousness. Nature is an objective reality. Nature exists irrespective of our Consciousness. Process of the moving of the Matter from Singularity into Universe is strictly the rhythmic process in Nature.

Part 3

I would call Universe the cosmologic object of Matter, the “tandem” of Singularity and Universe. I would also say that Singularity is the core of Universe that radiates Matter. Universe extends through the radiation that comes from Matter. Let me call it the rhythmical extension. It spreads with the speed of light. Matter radiates from Singularity and moves into Universe in a form of a small discrete globule. Let me call it an atom of Matter. Every atom constructs the minimal quantity of Matter in Nature. I can call it an elementary unit of Matter. Matter (pra-Matter) in Singularity represents the uniform continuous whole.

Matter in Universe represents the discrete atoms. Each atom of Matter is the basis of Nature. Each atom of Matter is the basis of Nature. Each atom of Matter is the rhythmic flesh of Universe. Formation of each atom of Matter occurs in each step of a rhythm of the nature. Formation of each atom of Matter is connected with movement of Matter from Singularity into Universe.

Part 4

Now I can speak about the rhythm of Nature. The rhythmical impulse of Singularity is the basic essence of Time. I would call it the Law of Nature. Everything in Universe is subordinated to the rhythm of Nature. In such rhythm Matter moves into Universe from Singularity. Nature is determined by Matter. Matter is the essence of the all phenomena in Nature. Time is closely connected

with the rhythm of Nature. This time is measured by the Nature rhythm, and such time is dimensionless. The quantity of Matter in the Universe and in the “tandem” can not be infinite value, it is a finite value.

Part 5

Long time ago, when there was no “Time” at all and Universe did not exist, there was just Singularity.

Time came with the emergence of the Universe. So, Time has its beginning. Start the evolution of the Universe was the beginning of calculation Time and the initial starting point of the universal Time. Universal Time is absolute. Matter is the primary essence and Time is the second one.

There is no Time without Matter in Nature and there is no Matter without Time in Nature. Matter does not exist in Nature without Time. The matter out of Time does not exist.

It is possible to measure Time by steps of a rhythm of the nature. In this case Time will be dimensionless. Let's agree that duration of one step of a rhythm of the Nature we will name elementary duration of Time. So certain elementary duration of Time can be measured only and exclusively by the quantity of Matter containing in atom of a Matter.

This elementary duration of Time will be an elementary unit of Time in Nature and it will be dimensional quantity. Its dimensionality can be defined by the dimensionality of Matter.

So, let me say that Time is equal to (identical to) Matter and let us consider it as the basic Law of Nature: **Time=Matter**.

Inference

Universe itself and everything in the world exist with the rhythm of Nature. Everything in the world depends on this rhythm. The rhythm of Nature and Matter movement underline the concept of Time. Matter is the unique basis of everything in Nature. So, what the time is? I assume, no, I am absolutely assured that now all of us know the answer to it very old question: time is a moving matter!

I am grateful to my grandson Maxim for joint walks on the nature. It was good stimulus for me while I have been working over this article.

Robert Yusupov