Thought Force and Consciousness

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ABSTRACT: By changing the axiom of time, we affect both physics and science in general, thus raising some remarkably fascinating questions, for example, what is thought, what lives, what is consciousness.

Keywords: time, thought, thought force, life, consciousness

THOUGHT MEASURED

Although consciousness and thinking are our fundamental activities, there is no generally accepted definition as to what they is. Understanding these has been a goal of many academic disciplines. It is meaningless speaking about consciousness without knowing what thought is. The most often used elements of the different definitions of thought are the following: Thought is always created by living creatures; no brain, no thought; thought cannot be described with the tools of physics.

In the following you will see, all these above mentioned statements are false. Definitions of consciousness based on these statements must be false. So, first of all, what is thought?

According to current, widespread understanding, measurable thoughts (or their effects) are the brain's electric/electromagnetic signals. The brain's electric/electromagnetic signals can be demonstrated in several ways – for example, by the electroencephalograph[1].

At Princeton University (USA), there used to be a research program named Princeton Engineering Anomalies Research (PEAR)[2] that studied the "power of mind". PEAR employed electronic random event generators to explore the ability of mind. PEAR's experiments were able to show the "influence of the mind" on physical systems. In the experiment appeared the power of mind. It worked "mysteriously", that is, the electric/electromagnetic signals of brain were not able to explain the results, and there was no theory to explain the phenomenon. The PEAR has finished, the measureable thought has remained the electric/electromagnetic signals of the brain.

According to me, studying thought force, the easiest experiment is to suspend a paper wheel – or pin it so that it hangs freely – from its center, and then try to make it spin with your thought force. The rotation is actually brought about by the force of thought, and it is possible to capture the wheel turning on video. Hence, analysis of this movement is very easy. We have made several experiments, and we have determined the energy of thought that rotates the wheel.

What did we measure using a rotating paper wheel? The effect of thought or the thought itself? We measured the thought itself. A paper wheel is nothing other than a simple object that can be rotated by force. Without force, it cannot rotate at all. It rotates if the force acts upon it. The paper wheel reveals thought in its true form. Humans need only think "Move", so the thought is "Move", and the paper wheel "moves". If humans think "Stop", the thought is "Stop", the paper wheel "stops" – hence, the thoughts "Move" and "Stop" are visible. These forces are not the effects of the thought, these forces themselves are thoughts. We measured the thought itself. Thought is measurable force, energy, but not the electromagnetic signal of brain, because the paper wheel cannot be rotated by the electric/electromagnetic signals of brain, since they are too small. Thought must have an unknown character.

THOUGHT IS FORCE

What is thought? Let us think of it this way: From a state of rest, the wheel begins rotating, because the force of acceleration works upon it. According to Newton's Second Law of Motion[3], the force of acceleration depends on time, spatial distance (space) and the mass of the paper wheel. The mass of the paper wheel is given. What can thought change? Space and time. The accelerating force does not exist if the wheel remains at rest, it comes into existence and rotates the wheel, when neither space and nor time is zero. Thought changes time and space. How? In Reference[4] I gave a detailed dissection about it. Thought is a gravity-like force, but not the gravity. Thought changes the wave of space, the waving space is the main element of the space-matter theory that is able to describe the force of thought.

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The problem is that this kind of force is not in our physics books. This is a new fundamental interaction. To understand it, you have to understand the headlines of the space-matter theory. Using the space-matter theory we can give a new definition of thought, consciousness and life. Let's see the main element of the space-matter model.

WHAT IS TIME?

Every era lays stress upon time, and the concept of time has also changed with the development of science. At first, time was associated with the visible passage of the sun, later with the rotation of the Earth. Still later, this blossomed into the notion that time is what we measure as time. On the subject of measuring time, we began with the sundial, then later used the mechanical clock. Now we have atomic clocks, but the essence is still the same. Clocks measure change. Something in the clock's mechanism must change if time is passing.

The sundial appears to be merely a rod stuck in the ground. Actually, it is a device made up of four elements including the Earth, the Sun, and the rod. These alone, however, would not indicate time if the Earth and Sun in relation to each other remained constant. That is, the sundial has a fourth, secret, and most important component: motion.

A wall clock with a spring is made up of more than four components, but the most important feature here again is motion. One component moves in relation to another. If not, then time is immeasurable and inconceivable.

An atomic clock is built upon the detection of particles, the motion of atomic particles.

Whatever clock we speak of, in every case, the perception and measurement of time is the perception of change, motion.

From this arises one part of time's new definition: time is perceived change, no matter who or what perceives it. Physicists don't call it "perceive change" but action-reaction phenomena.

Therefore, time is always built upon change, but in the case of clocks that are traveling at different speeds, the times they indicated differ. The Special Theory of Relativity[5, 6, 7,] proves that if a clock moves (in relation to us), the components inside the clock do not change, but something new presents itself. The timepiece in motion will run slowly. For instance, if there is a spaceship moving at a great speed (in relation to our own), the clock on the wall of the spaceship will indicate the passage of less time than the clock on our wall at home. Those who progress more quickly through space, progress more slowly through time. It is this interrelation between time and space that led scientists to suppose that time is another dimension just like space, and this is common knowledge to this day. It is possible to progress through it or not progress through it. Physicists believe, for example, that light does not progress through time. Some physicists, sci-fi writers, and Hollywood screenwriters postulate that one can even travel back in time. Yet, only films stars have managed to do this so far, and only exclusively in their movies.

The interrelationship between time and space is best expressed by the term space-time continuum. Space has three dimensions, and time is one-dimensional, so the space-time continuum has four dimensions. (In superstring theories space have at least 9 dimensions, time has 1 or more dimensions[8].)

This space-time category resolves many questions, but it is incapable of dealing with many other questions. It is like an excellent instrument – say, a guitar. There are many songs one can play on a guitar, but even more that cannot be played. The other songs exist, only the guitar cannot perform them. This is just like space-time continuum. It is a wonderful instrument, but there are a good many songs that cannot be played in space-time.

PITCH OF SPACE-MATTER THEORY

Let's use a simplification: just matter and space exist. Where there is space, there is no matter. Where there is matter, there is no space. Matter causes waves in space. Based on the Casimir Effect[9] and other physical phenomena like gravity waves measured by LIGO[10, 11],, we can state that space exists in waves and vibrations.

Solely through the use of space waves, we can express spatial distance, time and energy. Why? Because space waves have the shortest wavelength, the fastest speed, and the smallest energy expressed in our terms.

- Every spatial distance can be expressed using the wavelength of space waves.
  In our physics terms: This is the shortest unit of distance.
- Every unit of time can be expressed using the periodicity of space wave.
  In our physics terms: This is the shortest unit of time.
- Every amount of action (energy) can be expressed using the value of the action of space wave.
  In our physics terms: This is the smallest unit of energy.

Saying this, if thought changes the wavelengths of space wave, thought changes the time and the paper wheel is able to rotate. And it rotates.

TIME IN SPACE-MATTER

When matter and space meet, an action-reaction pair comes into existence. If this is an action, a change that matter can perceive, then on the matter scale, time comes into being! If the change (reaction) is perceived by space, then time comes into being on the space scale.

According to the today's physics space has no time. In the following, I will only deal with a part of matter's time, to be more precise, I will only deal with time of mass.

Lajtner-burgers

FIG. 1. Space-matter model displayed as Lajtner-burgers.

FIG.1. shows there is no way to put together space and mass without time coming into being. Time is the result of the action-reaction of space and mass. The wavelength of the space wave gives us the spatial distance; the frequency of space waves give us time - if mass is in space. The second illustration of FIG.1. shows the same in a more complex approach. Here space appears as *space and time* for matter (SMALL), and matter appears as *matter and time* for space (BIG).

In the traditional concept of measuring time, the first body is always matter, and the second body is always matter. The measuring seems to glue the time with matter (or just with masses). This is the limit of the concept. The world is restricted to matter; whereas, the world is made up of space and matter.

Time vibrations are quantifiable[12], we can even calculate the speed of time. How great is the speed? Astronomical.

A decisive majority of the changes that happen in space and time (immeasurable in themselves) are lost, or they are merely incomprehensible in terms of space-time continuum. If we understand time as a phenomenon that exists in and of itself, that is much like blaming the television set for broadcasting stupid quiz programs.

THOUGHTS IN SPACE-MATTER

Essentially, human thought would remain a mystery without the introduction of SMALL and BIG. What is thought? Thoughts is the modifications of the wavelengths of space waves, where space waves give the spatial distances and time[13].

Thought is a new fundamental interaction that is expressed as modifications of the wavelengths of space waves (and of time waves). Our human thought cannot be created without SMALL, since the change of wavelengths of space waves are made by matter. Our thoughts spread in SMALL (in space and in time).

Hence, those who think, control time; and those who control time, control your thoughts. The great speed of time generates a paradox: The whole is world in your thoughts, and your thoughts are in the whole world.

THOUGHTS THAT NO BRAIN CREATES

Thought is a given frequency spectrum within space waves. Thoughts are phenomena that modify the space waves in this spectrum and are created by the human brain. From the viewpoint of physics, these modifications are forces that can be made by brains or non-brains, by living or inanimate (non-living). There are thoughts that no brain and even no living thing created.

If we follow this logic, we may say thought is a kind of communication, where the expression of "communication" takes on a new meaning. This kind of communication is the action-reaction phenomenon that exists within the given spectrum of the space wave and can be created and/or sensed by brains. It can also be created and measured by devices. In other words, thought force is an ancient communication. This communications channel is used by humans and not humans, even by non-living creatures.

IT EXISTS – IT LIVES

First law: stay alive!

Time is a fast and continuous force that is always present in every matter. It is a constant series of signals which matter can conform to and does conform to. The only condition of this is that all elementary particles of matter have an algorithm. This is an important question. Without time the algorithms don't work, and without algorithms time cannot control any processes. Thus, the “laws of nature” are no longer “anywhere.” They are regulated by the distinct algorithms that can be described. See a short sketch in[14]. The first command in the algorithm is "stay alive". This means, the smallest structure build biggest structures to get more protections. These bigger structure is useful as long as the existence of the smaller part is safe. See FIG.2.

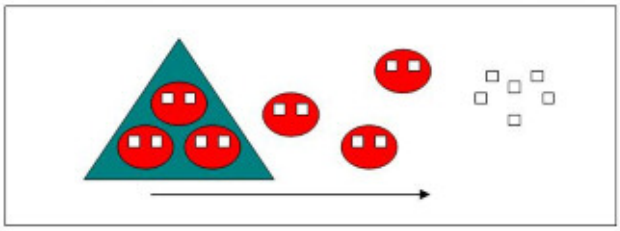

FIG.2. Staying alive. (Model, not proportional.) The arrow shows the growing force of the environment (for example temperature), the white matter objects are the tiniest objects that are able to exist as matter.

This model is very simple, it shows the most important command of the algorithms: "Stay alive!" It means the following: if the temperature grows, first the biggest structures disappear (water -> stream). If the temperature will be higher, the matter will go to smaller pieces (molecules -> atoms.), etc. The rule is simple: the smallest object is the most important, it has to stay alive. The bigger objects can be rebuilt any time. The green objects exists, but doesn't live. Note, the green object is able to use the space waves to communicate. We don't call these signals thoughts but our brain may be able to sense these and understand these as thoughts. So the communication between living and inanimate is possible; and it exists, you can try it out with a simple paper wheel. So, the sentence "no brain, no thought" is not correct.

Why is useful to build green and red objects, if the white ones are the most important? Because the white matter particles have the lowest energy. The white matter particle has the greatest chance to be transformed into space and lost as matter. Forming a group means

growing the safety. The energy (force) of the red object is much higher than a single white particle, see for example the energy of quarks according to the Standard Model of Physics[15]. In other words, a red or a green object cannot disappear in the space. They are simple too large.

Where are algorithms? In the particle. What runs this algorithm? The wave of space, in other words, the time. Time runs the algorithms of matter (and the algorithms of space).

How do the white particles decide to build or unfold the red formation? They vote. Their algorithms exist as force, so the sum of force is the outcome of the voting.

And now there is an important question: What has algorithm? Just the white objects? Or the green and red, too? To answer this question is important. The answer will tell us, what lives.

What lives?

That which *lives*, operates on the basis of at least one more algorithm than the number of elementary particles *and* living elements it is composed of, and at least that many algorithms that receive input from SMALL. More in Reference 13. Further, any two interdependent component parts that make up the being must be within a given distance. How much are these *given distances*? In the case of beings made up of water and carbon compounds (such as grass, trees, flowers, you and me), these values can be calculated.

But who said that life could only be carbon and water-based? We have only seen that type so far, but the world is vast. Moreover, the essential condition of life (as explained above) does not depend on carbon and water. Thus, the *given distances* could be different from those that we encounter on Earth. The definition above holds true for everything that exists in BIG – even for Martians, if they exist! If they do not, they may now bring themselves into existence on the basis of the definition!

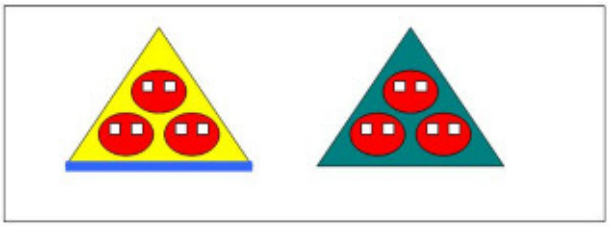

FIG.3. What lives? (Model, not proportional.) The white squares have algorithms. The yellow triangle lives, because its have an autonomous algorithm as triangle, too. The blue line shows this autonomous algorithm. The green triangle has not autonomous algorithm, it contains just the algorithms of the white particles. It exists, but doesn't live.

The green triangle in FIG.3. is the sum of the white particles. The yellow triangle works using the blue algorithm, too, so it is more than just the sum of the algorithms of the white particles.

Are the computer programs living? No. The input of a software comes always from matter. There is no computer software today that has a SMALL input as a "*computer program*". Life needs both, BIG and SMALL. That is, life is depend on space and time, and not exclusively depend on water or carbon.

Bringing together everything now into a single sentence, life could have existed even billions of years before the formation of our world, our galaxy, or our planet.

What is consciousness?

Consciousness can be *created* when traces of SMALL of the algorithm run themselves through the algorithm. Many runs mean many results. Consciousness can then *come about* if the original matter (mass) is capable of recording some of the results from these runs. That is, the results are capable of bringing about material structures within their own systems – for example, changing vibrations in one component part. A body of matter organizing the distinct vibration can itself become distinct, but not necessarily.

A brain (or nervous system, at least) takes shape when these vibrations being created in the mass have physical outcroppings that become distinct. The ongoing vibrations of these distinct parts exert such force on the chosen algorithm that the algorithm forces the mass to make a move that corresponds to these kinds of vibration.

This sometimes supercedes the basic necessities of the "survival reflex." The essential condition for this is when following the principle of "survival reflex" should remain in harmony with the current state of the environment – so that the imperative to remain alive does not manifest itself so strongly as to push aside all the signals in the algorithm.

Human consciousness

Human awareness comes about when the stored patterns fashion further patterns which have such a strong influence over the algorithm that it makes the matter (mass) obey patterns extrapolated from previous patterns. Hence, the fundamental algorithm, in this case, produces patterns from reflections upon external stimuli and its own reflections in SMALL, then produces more patterns out of the new ones. The algorithm recognizes these new patterns as input like any other. However, its constant presence redeems it, and as a result, a change occurs in the algorithm's output which the matter (mass) must perform. This *performance* is essentially following and giving shape to the pattern. In this sense, giving shape to the pattern can manifest itself in motion, but other new patterns can be created, too.

Is this conception in harmony with life as a process? Indeed, and highly so. At the end of the DNA strand is a place for information storage. Its role is information storage and delivery. This means it has an algorithm, and on the basis of this, it works as an independent unit. According to my definition above, this autonomous unit lives, and live it does, not just in my definition! Where do the living store this algorithm? In matter, in compounds, and in molecules. If DNA continuously deals with this matter (i.e., these compounds and molecules), then traces of the process are continuously brought into existence in SMALL. Our brain perceives this, senses it, and automatically makes use of it. For the mind, it is simply more input to be processed among other sources of input.

The operation of life and consciousness may come about through other information storage systems, not just DNA. Consequently, consciousness is not necessarily the sole province of Earth-dwellers. We know of this type, but other forms of life could have consciousness.

Is there life in SMALL?

The question is unavoidable. Could there be life in SMALL? Could "living" in SMALL mean the very same thing as living in BIG? Evidently, no. Nonetheless, I stand by my earlier definition here, too. On the basis of that, life is also possible on the Universe's SMALL side.

What is more, there is such life! BIG is always surrounded by SMALL. If SMALL encircles the living, then SMALL itself can be considered living, because the definition still holds.

Could awareness exist in SMALL, in the texture of SMALL? Yes. After all, a trace of our thoughts, that is consciousness (this is a given portion of it) is always present in SMALL. Is SMALL's consciousness also independent? Perhaps. One thing is certain. SMALL *could* possess awareness. It is capable of storing information. Why, it is even capable of storing thought.

Thus, SMALL can even bring about the existence of "intelligent" life.

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