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RESEARCH ARTICLE

SOME EVIDENCE OF CONSCIOUSNESS EXISTENCE IN ELEMENTARY PARTICLES

*Anatolii Pavlenko

Open International University of Human Development "Ukraine", Ukraine LLS "Spinor International", 1,
Sviatoshinska sq., Kyiv, 03115, Ukraine

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ABSTRACT

The article is devoted to the proof the existence of a special type consciousness in elementary particles based on the ideas of Nikola Tesla. This was done on the basis of a comprehensive analysis of phenomena in which the consciousness of elementary particles plays a decisive role. Our current strategy depends on how clearly we represent the interaction of elementary particles that have their own consciousness. All this can possibly make sense within the framework of some more fundamental picture of physical reality.

Keywords:

Consciousness of Elementary Particles,
Torsion fields, Interaction of Torsion
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*Corresponding author:
Anatolii Pavlenko

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INTRODUCTION

Attention is drawn to the fact that today science has accumulated more than three dozen experiments that modern physics cannot explain. Moreover, in a number of scientific concepts that underlie modern physics (for example, Einstein's theory of relativity, quantum physics, and including quantum chromodynamics) there are many contradictions that physics is simply not able to remove. These contradictions are of such an order that over the past 10 years, many monographs, publications, materials of annual conferences have appeared, which speak of a deep crisis in physical science. We see that the available scientific and technical means are not able to solve the problems that have arisen at the current stage of evolutionary development, then inevitably one should expect the emergence of a new understanding of Nature, an expansion of knowledge about its laws and, further, the emergence of new technologies that will be able to solve those problems that are now considered insoluble. All organic and inorganic bodies consists of atoms, most of them have non-zero atomic or nuclear classical spins.

Taking into account that all bodies are placed in the magnetic field of the Earth, considering the presence of magnetic moments of atoms and nuclei caused by the classical spins, and charges, there is a precession, which generates wave torsion radiation. Thus, all bodies have their own torsion fields. A noticeable progress in the physics of torsion fields as a kind of analogue of the historical path of electro-magnetism should be expected only after physics itself is ready for such a synthesis. The starting point for this, perhaps, will be the concept of torsion interactions, some of which we will consider. As for, so to speak, the subjective manifestations of such a synthesis, we have reason to expect noticeable changes. A normal property of normal science is blindness to facts that it cannot explain. We will try to explain some of the phenomena from the point of view of torsion interactions. It is known that when new interactions appear in physics, or, as they said in the last century, a new kind of forces, then at first this can be perceived only as a small addition to the already established picture of the world. In the end, it turns out that such an event inevitably leads to a radical change in our understanding of the structure of the Universe. Therefore, it is hoped that the development of the spin-torsion concept will lead to a deeper understanding of the structure of the Universe.

It can be expected that in order to explain the experimental contradictions, new floors of the physical building must appear, on which the reasons for the discrepancies in the known experiments will be found and the contradictions of the previous theories will be eliminated. Perhaps the theory of Physical Vacuum (PV) and the theory of torsion fields may turn out to be such a new scientific paradigm. In PV theory, the classical vacuum has been replaced by a quantum vacuum with measurable fluctuations. This theory expands our understanding of Nature. According to G.Shipov (1) it is postulated that the basis of all known quantum fields is a certain primary torsion field, which is a set of elementary space-time vortices that do not have energy, but carry information, i.e. torsion fields are transmitted informationally, not energetically. But at the same time, one very significant circumstance should be noted. An external torsion field of a physical object can change the internal spin structure (orientation of spins or rotation axes) without spending energy on it. Most likely, this is the result of the possession of virtual particles by their own consciousness. This is the essence of the informational nature of the torsion field. We will consider this issue later. But a change in the spin structure of an object, in turn, can lead to the fact that the physical characteristics that are associated with its energy change. This will be a secondary, but already energetic consequence. These are the experimental results obtained on a strictly physical level. Elementary particles, as mentioned earlier, have consciousness. Particle behaviour is purposeful, particles exchange information during an interaction. They must have a correlated view of space and time. We can say that the civilisation of particles goes a long way of its development. Two or more particles can share a common strategy while being entangled. Confused, they nevertheless always act in concert. How can you test the proposed hypothesis? There can be at least two possibilities here. The first is to determine, for example, in an apartment the left and right torsion nodes of the Earth's geopathic zones (GPZ). It is known that these sites contain virtual electrons and positrons. By connecting the left and right nodes of the GPZ with a wire or a simple rope, we establish the state of harmonisation of the space in this room. This means that packets of ring waves from an electron and a positron are embedded in each other, and a true harmonisation of such an electron-positron vacuum occurs, while there will be no effect of the GPZ on human health. The second possibility consists in influencing the particles of these GPZ nodes with information. If you place a photograph of it on any of the GPZs, then the state of harmonisation will also be established in the room, i.e. there will be no impact of the GPZ on human health. We emphasise that the setting up of such "information" experiments with virtual particles differs from everything that has been done so far in physics.

It was shown (2.3) that the carriers of torsion fields are virtual electrons and positrons. Nobel laureate Roger Penrose was one of the first to propose moving beyond neuroscience (4,5). Physicist Roger Penrose expounded a more radical point of view in the book (4) and later books (5). R. Penrose was convinced that the "fundamental" physical theory, claiming to be complete at higher levels of physical phenomena, should have the ability to include intelligent consciousness (4). Based on his interpretation of Gödel's theorem and the introspection of his brilliant mind, Penrose argued that consciousness should be based on indeterminate quantum effects. He believed that consciousness depended on the as yet absent theory of gravity.

He believes that this theory must be non-computable (that is, so that its operation cannot be modeled by a Turing machine). Penrose is convinced that deep inner simplicity will underlie the future finite theory. He teamed up with anesthesiologist Stuart Hameroff, and the pair developed increasingly sophisticated theories of quantum consciousness. Based on this hypothesis, Johannes Kleiner and Sean Tall developed their own "Integrated Information Theory". It is assumed that this theory will allow us to understand how conscious the universe and the objects around us are. Many modern physicists are seriously considering the possibility that our world is conscious. What is consciousness? No one can give an exact answer yet. So, we know that this is an opportunity to think, feel and be aware of your stay in this world. However, we still do not have an exact interpretation, such as the word "sky" or "satellite". Although today there is no convincing evidence that the world has its own consciousness, but we will show with real examples that every particle in the universe has consciousness: our world owns consciousness, everything around us has consciousness. Traditionally, consciousness was considered within the framework of neurobiology, and after that a moral question may arise before us, since people look at objects with consciousness differently than at "non-living" ones. The young Australian philosopher David Chalmers generated lots of chatter at Tucson (6), when he said that consciousness—subjective experience— is different from other natural phenomena and hence unlikely to be solved with conventional, materialistic approaches. The "hard problem" of consciousness, Chalmers said, might be solved by assuming that information—along with matter and energy—is a fundamental property of reality. This area is obviously pre-scientific, and it is necessary to continue the search for a unifying paradigm. Maybe we will never solve the mind-body problem, but we must never stop trying.

It is necessary to point out that consciousness can have several levels and this is what distinguishes people from other subjects of the Universe with a lower level of consciousness. For example, individual organisms often work together to produce complex decisions or structures. For example, ants are tiny, yet they organise themselves into colonies complex enough to build 'cities', practice a form of agriculture, and create 'rafts' to escape floods. Bees are able to build sophisticated hives, and flocks of birds move together to migrate. All of these creatures are exhibiting swarm intelligence, where simple creatures follow simple rules yet display a great deal of complexity and efficiency. This trait is common in nature, but recently researchers have been using it to transform fields such as robotics, artificial intelligence and even medicine. How does swarm intelligence work and how can it be applied to new fields? Это является темой дальнейших исследований.

PHYSICAL VACUUM: What is the most basic interpretation of the Physical Vacuum? Let's imagine some limited space, where the air has been removed. Traditionally, we would say there is nothing there, which means there is vacuum. However, according to modern understanding, this is physical vacuum since this volume is not empty at all. Let us imagine now that we managed to remove all fundamental particles from this volume and to screen it so that no particles from outside can get inside. But even in this case, from the point of view of modern physics, it is impossible to assert that the volume is empty. The so-called virtual electron-positron pairs can appear in random locations of this volume of space. Material objects, electron-positron pairs, cannot appear from nowhere.

They can be produced only by substance and if we do not register it directly in the specified volume, from which virtual pairs arise, this is bound to be some specific substance that cannot be observed under usual conditions. This specific substance was called Physical Vacuum. Apart from producing electron-positron pairs, Physical Vacuum manifests itself in a number of experimental phenomena (7). Let's take a look at some of them. Once again, we note that for all the external heterogeneity of the examples under consideration, they have something in common: in all cases, objects in observed processes and experiments or in natural phenomena have spin, meaning classical spin, or angular momentum of rotation.

Examples of torsion interaction: We will give examples that, when analyzed together, will allow us with sufficient reason to assume the presence of specific interactions and fields generated by classical spins or angular momenta of rotations. Their properties, as follows from the above examples, indicate that if these fields exist, then they should be as universal as electromagnetic and gravitational, manifesting themselves at the micro- and macroscopic level. For example, if we have a material object, a cone or a pyramid - no matter what it consists of - metal, paper, wax, hollow or cast, etc., we fix the right torsion field above the cone, and below it - below the base - left torsion field. Today this property of the conical object is already used in practice (the Schoer engine will be described above). Consider the process of formation of torsion fields in a cone. The law of interaction of torsion fields consisting of virtual electrons and positrons is known: like attracts like.

Any material object has its own torsion field, consisting of virtual electrons, since virtual electrons are repelled by real electrons located in any material object (8). The number of virtual electrons at the base of the pyramid is much greater than the number at the top of the pyramid, and some of the virtual electrons at the top of the pyramid are attracted by virtual electrons at the base of the pyramid, as a result of which a right field is formed above the top of the pyramid. virtual positrons, and at the base of the pyramid there is a left field, which extends to 2/3 of the height of the pyramid, then there is a right field. This is the reality confirmed by measurements with a VEGA-12 (3) torsion detector and biolocation methods. There are other forms that generate a torsion field - for example, cylinders. In a short cylinder (the diameter is more than half of the lateral side), the right field emanates from the ends, and the left one at the side. In a long cylinder (the diameter is much less than half of the lateral side), on the contrary, the left field emanates from the ends, and the right field in the vicinity of the middle. There is an explanation for this fact. By analogy with a pyramid, virtual electrons from the center of a long cylinder are attracted to the ends of this self-imposed cylinder, as a result of which a right field is formed in the middle of the cylinder, consisting of virtual positrons, since virtual electrons were attracted to the ends of the tube. The above phenomena are referred to as the "shape effect".

Interaction of tops: Today, when physicists talk about charges, they mean a generalized understanding of charge. For a torsion field, such a generalized source will be a rotating, spinning object or body. It is known that torsion charges of the same name (i.e. objects rotating in the same direction) attract, unlike ones repel. This is one of the cardinal differences between torsion charges and electromagnetic charges. The force of two bodies, attracting parallel rotations, has far-

reaching consequences. A clockwise spinning top creates a right field when viewed from above, that is, it polarizes the PV around it. Another top rotating clockwise, falling into the field of the first top, will be attracted by it, since such fields are attracted. Thus, tops rotating in the same direction will attract, and tops rotating in opposite directions will repel and move away from each other. It is believed that the behavior of spinning tops is purposeful, and when the spinning tops interact, they exchange information. They need to correct ideas about space and time, and in this sense one can talk about a certain system. Undoubtedly, the unity of the world is an informational in nature. AK Tam and W. Happer observed the attraction of circularly polarized laser beams if their radiation was directed in one direction. If the laser beams were directed oppositely, then these beams were repelled. These experiments are logical among those considered, if we take into account the interaction of torsion fields produced by the radiation of interacting lasers. The theory of torsion fields made it possible to explain the fact of attraction and repulsion of laser beams in the experiments of A.K. Tam and V. Happer (9).

Casimir effect: Let us consider in more detail the Casimir effect, which will help shed light on the principle of Shawyer engine. According to Wikipedia - «Casimir Effect» - the effect is consisting in the mutual attraction of conductive uncharged bodies under the action of quantum fluctuations in a vacuum. Most often, we are talking about two parallel uncharged mirror surfaces located at a close distance, but the Casimir effect also exists for more complex geometries. It is believed that the cause of the Casimir effect is the energy vibrations of the physical vacuum due to the constant creation and disappearance of virtual particles in it. Hence, the effect is confirmed experimentally. It is known that the physical vacuum is not an absolute void. It constantly creates and disappears pairs of virtual particles and antiparticles - there are constant fluctuations. A virtual photon, after passing a certain distance, becomes a virtual electron-positron pair. The electron and the positron are made half a turn in opposite directions, drawing a circle in space. At the junction they disappear and generate a virtual photon, which moves further (10). Thus, virtual particles and antiparticles are constantly in the physical vacuum. In addition, around any manifested object there is a halo of virtual electrons that are repelled by the real electrons of the objects mentioned. In the space between closely located mirror surfaces, there is interaction of virtual electrons (like attracts like). The closer to each other the surfaces, the greater the force of attraction between them. Given the above, it seems reasonable to assume that the Shoehr engine uses the phenomenon of mutual attraction of virtual electrons in the bottom of the conduction truncated cone, as an integral part of the engine, and the virtual electrons of the Physical Vacuum, which always exist under the action of quantum fluctuations in the Physical Vacuum. Casimir interactions play an important role in the dynamics of nanoscale objects. The contactless transfer of angular momentum at the nanoscale was investigated by analyzing the Casimir torque acting on a chain of rotating nanoparticles. It has been shown that this interaction provides an efficient transfer of angular momentum between circuit elements. These results are essential for the control and manipulation of nanomechanical devices.

A process similar to the processes in the Casimir effect occurs here: Many different approaches have since been tried, EmDrive engine (11) was invented by British Roger Shawyer and does not need fuel, because it uses energy, in his opinion,

microwaves. The engine created by Shawyer is very light and simple in its design. According to Shawyer, it creates the necessary traction «by oscillating microwaves around the vacuum container». At the same time, electricity, which is necessary to create microwaves, can be extracted from sunlight. In other words, this engine does not require the use of fuel and can actually run forever or at least until a mechanical breakdown occurs. The tests showed that the unique design of the microwave engine really allows creating a force that cannot be described from the classical point of view of the electromagnetic phenomenon, and yet the installation assumes interaction with the quantum vacuum of virtual plasma. Previously, we considered the structure of virtual plasma (12) in the excitations of which there is an axial symmetry of right and left rotation. A similar axial symmetry exists also in the polarization of the Physical Vacuum in accordance with Akimov's phyton model (7). Harold White, the head of an advanced research team in the field of propulsion systems at the Johnson Space Center, suggested that the EmDrive thrust is generated by virtual particles in a quantum vacuum (10) that behave like fuel ions in magnetohydrodynamic propulsion systems extracting «fuel» from the space- time and eliminating the need for fuel.

Although many scholars have criticized White's theoretical model, others believe that he at least points in the right direction. In informal circles, a stormy discussion of EmDrive and similar suggestions for propulsion space installations like Cannae Drive broke out. We also want to participate in the discussion, since we have been studying the world of virtual particles for a long time and all devices of the company «Spinor International» are based on the principles of interaction of such particles. Using the method of biolocation or using a device like VEGA-12, you can determine the location of virtual particles generated by the geometric features of the engine. The paradoxical specificity of this engine is that it lacks the right torsion field, which should be under normal conditions at the apex of the truncated cone, and virtual electrons emanate from the socket - from the bottom of the truncated cone. Virtual positrons attracted by the right field of several disks, which are the generators of the right field and are located behind the top of a truncated cone. The Physical Vacuum, which fills all space and manifested objects, contains a large number of virtual electrons and positrons, in an excited state these virtual particles can be represented as virtual plasma. Virtual electrons are located inside the engine cone and the most truncated cone of the engine, and their concentration increases as it approaches the bottom of the truncated cone. The virtual electrons of the cone and the virtual electrons existing in the volume are attracted by the virtual electrons of the Physical Vacuum, due to which the motion occurs. When moving, virtual positrons that are in space in the direction of motion are repelled by the virtual electrons of the engine, and the motion continues. Perhaps in the near future, one of the theoreticians will propose a simpler and more acceptable explanation for all. In the future, a more rigorous explanation will be obtained of the principles of Shawyer's engine operation, and the necessary key to such an explanation is associated with an understanding of the physical geometry of the Physical Vacuum and the specific nature of the laws that force interaction of virtual microword particles. It is now possible to generate shortwave coherent spin waves that can propagate at high speed over long distances and which could possibly improve the capabilities of the Shawyer's engine.

Electromagnetic-free torsion field generators: Simplest generators of torsion fields (L-C circuit) was consider in (7). L-C circuit, also called a resonant circuit, or tuned circuit, is an electric circuit consisting of an inductor, represented by the letter L, and a capacitor, represented by the letter C, connected together. It means that the L-C system demonstrates spatial - temporal self-organization - the transition from the state of generation of the left TF to the state of generation of the right TF. The surprise is that harmonic oscillations are amplified in amplitude if the coil leads are short-circuited. There are some features in the work of such a coil. If the spool stand upright, the oscillations disappear. But if a standing vertically to bring the magnet coil, the oscillations are renewed, while the horizontal arrangement of the coils in the presence of vibrations cease magnet near it. The explanation for these phenomena is given above when describing the operation of an aluminum disc (3).

These and other phenomena require careful study to understand the nature of the interaction of torsion fields in nature. This happens, in our opinion, because elementary particles have consciousness. Particle behavior is purposeful, particles exchange information during interaction. They have correlated idea of space and time and is easy to enter the synchronous generating mode. Our results motivate the widespread use of torsion field generation methods in future research and development of torsion communication. During the research, new phenomena were discovered. It turned out that if a permanent magnet stays in an alternating torsion field for a long time - in the field of a torsion pendulum - then its torsion fields disappear, although the magnet itself attracts iron objects. However, if a normal magnet with its corresponding torsion fields is placed in a torsion screen (it can be a material with a pronounced orthogonal structure or ordinary foam rubber) and then this magnet is placed on another magnet that has no torsion fields, then this magnet will develop torsion fields. If we take into account that the aforementioned orthogonal structures are a screen for torsion fields and freely transmit magnetic fields, then the thought arises that magnetic fields passing through a torsion screen have some information component that induces torsion fields in a magnet in which these fields were absent. This phenomenon could be called magnetic - torsion induction. But if you separate the magnet in the screen from another magnet, then the torsion fields in the latter disappear. Subsequent experiments made it possible to establish that it is possible to restore the torsion field of a magnet that has lost it as a result of the action of alternating torsion fields. This method is similar to the method of recording right-hand torsion fields on the Spinor device. It should be emphasized that we are at the beginning of a long period of research into the features of torsion fields. It seems we are in search of an understanding of the laws of torsion interactions. Undoubtedly, the unity of the world is informational in nature. The formulated concepts should be considered only as a formulation of a problem that requires in-depth study, especially if we take into account the well-known limitations of models for describing torsion interactions. The consciousness of elementary particles plays a decisive role in physical processes. This tradition, which has long roots, allows us to naturally explain the seeming nonlocality and other paradoxes of the quantum world. We should mention that the Ukraine physicists noticed more than a decade ago that spin perturbations in spin medium are propagating in such a way that they cannot be screened, which in those times had no relation to the torsion fields.

It means that there is a possibility of underwater and underground telecommunications, as well as communications through any other natural medium. The coil, wound with wire or fiber, generates an alternating torsion field during the day, and in the vertical position the field is absent. If at one end of the coil standing vertically, put a magnet with the north magnetic pole, which generates the right torsion during the day, the oscillations begin with the right torsion field, ie virtual particles understand from which half-wave to start generation. If you put the south magnetic pole, the generation will start from the left torsion field. This fact is another proof of the specific consciousness of virtual particles. Once again, we note that for all the external heterogeneity of the examples considered, they have something in common. As already noted, in all cases, objects in observed processes and experiments or in natural phenomena have spin, meaning the classical spin, or angular momentum of rotation.

CONCLUSION

The article describes the phenomena that cannot be described from the point of view of orthodox physics. It is assumed that the "fundamental" physical theory to be developed should be able to include the intelligent consciousness of elementary particles. This theory will allow us to reach a deeper level of description of physical phenomena. Prominent British physicist, Nobel Prize laureate Roger Penrose points out that this new, as yet absent theory, must be "uncomputable", that is, so that its action cannot be modeled by a Turing machine. The practical results described in the article may advance theoretical ideas for the creation of a new physical "fundamental" theory. This theory will be based on internal simplicity and on the interaction of elementary particles.

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