

False Physics

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Abstract: Why do not we receive correct answers to fundamental questions in orthodox physics?

In physics, each theory begins with the definition of initial conditions (numbers/parameters, equations, symmetries, and so on). As a result of phase transitions there may appear next equations and symmetries. The mathematical evolution of equations leads to solutions that are confronted with experimental results.

It is wrong to assume that every mathematical theory must be realized somewhere in the infinite space.

In fact, due to the following facts, we have only one evolutionary scheme for a fruitful fundamental physical theory:

- 1) there is no evolution without motions so fields must have a grainy structure,
- 2) the simplest/elemental interaction must result from dynamic viscosity, so static viscosity is very important as it is suggested by zero-gravity experiments on a space station with powdery substances,
- 3) in fields with grainy structure, simple vortices or vortices with internal helicity are basic stable or meta-stable structures,
- 4) we have vortices with left or right internal helicity which leads to matter and antimatter,
- 5) we see that fundamental phase transitions must result from the interactions of vortices.

We see that fluid mechanics with different values of the Reynolds number should be the beginning of the ultimate theory (the Reynolds number is a dimensionless quantity in fluid mechanics).

One particular value of the Reynolds number should lead to our Universe and this has been proved in the Scale-Symmetric Theory (SST) – see formula (17) in [1]. The particular value of the Reynolds number is $N_R = 1.0076047 \cdot 10^{-19}$ and $N_R K^2 = 2\pi$, where K^2 is the number of the non-gravitating tachyons in closed strings the neutrinos consist of [1].

Physics is primarily a crossword puzzle in which instead of words are three-dimensional images of particles creating and exchanging various particles and the image composed of such images must be physically and mathematically consistent. When we take into account in such a three-dimensional image vortices with internal helicity and the four different interactions that can not be described within the same image, we get a picture that is substantially different

and more complete than that proposed in orthodox physics. Such a theory allows you to ask the right questions and provide the right answers.

Now we can formulate the correct fundamental questions in particle physics and give correct answers.

- A) Why is there more matter than antimatter? It is because the initial inflation field was left-handed.
- B) Why in the weak interactions the time reversal symmetry is broken, i.e. why, for example, in the weak decays of neutrons, the number of electrons moving in parallel to the neutron spin is different than the moving antiparallel? This is because the neutrons are internally left-handed so they shift the spacetime in the opposite direction to the neutron spin, so more electrons should move in this direction.
- C) How physical images of four known lines of forces look like? Descriptions of such lines can be found in the paper [1]. Let us emphasize here that it is not true that to calculate the anomalous magnetic moment of an electron or muon we need such a confusing theory as quantum electrodynamics [1].
- D) Why can not we unify the theory of gravity with the other three interactions? This is because there is the two-component spacetime with very different properties of the components (the SST Higgs field and the Einstein spacetime) [1], [2]. The SST Higgs field is curved by masses so time is relative. On the other hand, the second component of the zero-energy field associated with the three other interactions is practically flat so time is absolute. We cannot unify the relative and absolute time within the same methods.
- E) Why dark matter does not interact strongly and electromagnetically? The directions of the spins of the Einstein-spacetime (ES) components are the lines of electric forces (ES consists of the neutrino-antineutrino pairs which invariant mass does not depend on their speed despite the fact that they move at the speed of light in “vacuum”) [1]. In dark matter (DM) loops, such electric lines are closed and overlap with the DM loops i.e. the unitary spins of the ES components can not rotate. Such rotation is the fundamental condition for electromagnetic interaction. Entangled DM loops can create the DM torus [3] which shape and size are the same as the electric charge in proton which is responsible for the nuclear strong interactions [1]. Inside such electric torus are created gluon loops and pions [1] because inside such torus the ES components can rotate. On the other hand, the ES components on the DM torus are rotated by 90 degrees which excludes spins spinning inside such a torus so it can not interact strongly. Just the ES components the DM loops consist of are not exchanged within the DM torus and within the DM loops.

Summary

The range of false physics is much larger [4].

Why does the scientific community not want to see that orthodox physics slowly (or quickly) turns into some useless machinery capable of producing many contradictory solutions for any problem (via increasing number of free parameters or/and via not valid interpretations) that should have only one solution? This proves that it is not true that orthodox physics requires only minor corrections – it needs radical changes described in the Scale-Symmetric Theory.

References

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