

Physical and mathematical research of polytronic model of hydrogen atom

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INTRODUCTION

The basis of any scientific theory and, at the same time, its most vulnerable point is a postulate (postulatum – opinion, which is not differing by a self-evidence, but nevertheless accepted as initial position without the proof).

The contrast between two scientific postulates, which have replaced one another within two past centuries, is neatly noticed in well known epigram:

*Был прежде Мир глубокой тьмой окутан
Да, будет свет! И вот явился Ньютон!
Но Сатана недолго ждал реванша
Пришел Эйнштейн, и стало все как раньше.*

The postulate is only an intuitive opinion, which is formed at the level of subconsciousness as a result of repeated unsuccessful attempts to decide a problem by known ways. Behind such opinion, as a rule, there is the profound knowledge both huge scientific and life experience. But, unfortunately, it does not insure against an insufficient truth, and frequently, principled inaccuracy of postulate.

On the boundary of XIX and XX centuries in physical science there was the bitter scrambling of two theories – energetism and materialism. The first one postulated the energy – as the unique basis of the universe, the second one, as the same, considered the matter, and for energy retracted a role of a minor link between the different forms of the matter. That, on a fresh view, is paradoxical. It came out, that the life, as the form of energy of motion, is minor.

Eventually, the materialistic theory has conquered, which one and became scientific paradigm on the whole XX centuries. Even the leader of world proletariat had shared in killing the energetic theory, "by pasting" to the energetism a label of the reactionary bourgeois idealistic doctrine, than he and determined path of Soviet theoretical physics for many decades forward. In outcome, we entered XXI century having in the arsenal of hundred reopened elementary particles, but have not reached up to required, i.e. up to that main and unique, from which one, according to the materialistic postulate, the whole of visible world should be constructed.

Escaping of similar situations one – it is necessary to grant equal capabilities for theoretical and experimental check of all offered postulates, and not just those, which one have attracted to that or diverse scientific heavenly body, and it is even worse, any ideological bonze. The heavenly bodies spark on scientific firmament very seldom. By bright, but short-lived and unidirectional light, they create for us a piece of universe, which is similar to an empire of shadows. Further than empire of shadows the rays are lost in an infinite haze unavailable to ours «materialistic mind» of

phenomena. In the same situation is modern materialism, vainly attempting «to sew together» primary matter and secondary energy. It is quite probable, that after of 100 years, apparently of triumphal procession, materialistic paradigm has remained, in direct sense, for broken wash-tub (be no better off than at the start) – wash-tub, broken into thousands different "elementary fragments."

It is necessary some test for checking of guess-works for truth. For scientists it is known such test, at least, more than century. The main moment in birth of a guess is the feel of harmony and completeness of an ensemble, about what in XIX century great French mathematician and physicist H. Poincare wrote.

On the question: "What mathematical characteristics, which one we assign properties of beauty and refinement and which one are capable to excite in us some kind of aesthetic feeling?" Poincare responds: "It is units, which one harmonically are arranged in such a manner that the mind without an effort can them envelop bodily, guessing parts."

Judging by scientific works of last two–three decades to construct a harmonic ensemble from that enormous quantity of elementary fragments of microcosmos, which one already were accumulated by materialistic physics, any human mind not under force. Reason here that all available banks of the scientific data, all perfect exploratory instrumentation are created under generally accepted scientific paradigm, and even all talented theorists and experimenters are educated under its unlimited effect. I.e. all these branches of the scientific technology long-long ago work not for check of the materialistic theory, and simply are slaved under it.

In the new theoretical working, offered to reader, the energetic postulate of the constitution of matter by German scientists W. Ostwald and G. Helm, is applied, but more defined concretely.

In an ideal case, the basic physical value for the description happening in macro and microcosmos of processes would be value containing space and time. Such value could become, for example, speed. In this case we at once were saved of necessity to search, so-called, physical essences of space and time, by transferring them into a rank of phase condition of this basic physical value. But the interpretation of a running speed, which one is adopted in modern physics, is insufficient for logical construction of the energetic theory. This speed is relative and requires availability, as a minimum two objects moving relative one another. For want of one of objects the physical sense of speed disappears and here anyone the materialistic theory falls. Maybe there is an absolute speed, connected, for example, with an absolute zero of the temperature scale by Kelvin?

It nobody knows.

Therefore, we shall be compelled to apply already resisted concepts of physical values and, whenever possible, to interpret the experimental facts without introduction of new abstraction and virtual values.

The construction and check of the theoretical calculations are implemented, basically, on the experimental material of physics of electromagnetic radiation, crystallography and crystallophysics, as in other areas of physics, unfortunately, all material is so oriented on materialistic paradigm, that its usage is foregone goes into dead-end mathematical situations.

"The Nature represents implementation of elementary mathematically of conceivable units" – asserted Einstein.

From the theoretical concepts is fullest, the theory of electromagnetic radiation by Maxwell responds to this requirement. It charms by the mathematical strictness, and it is obvious tag of its proximity to true. Hertz had told about the theory by Maxwell: "It is impossible to study this wonderful theory, that occasionally there was no feel, that in the mathematical formulas are generic independent life and own reason, that they are cleverer than we, they are cleverer even opened them, that they give more, than in them was earlier enclosed."

Valuable grains of true are contained as well in descriptive sciences, came to us from an antiquity.

One of the fundamental astrological laws, the idea of which was known still for ancient Egyptians, asserts: ***"Nothing is static, all vibrates and the whole our universe – it is dynamical, mutable and developing continuity"***.

And, really, to which natural phenomena we have addressed, everywhere there are different forms of periodic variability of conditions. The resonant oscillations pursue all and all us literally continually. Any object of the universe, whether it is being alive on the Earth, or «dead» boulder wandering in space, has the personal set of resonance frequencies. In it their life and consists.

From the philosophical point of view the existence of the universe is stipulated just by oscillatory energy working at all levels of space and time. If there were no these continuous resonant oscillations, there would be nothing – neither materia, nor life, neither space, nor time.

Taking into account ambiguity of the developmental theory by Ch.Darvin about the parentage of the human genera, we should not wave away from thought, that ancient were closer to true, than we. They had not that diversity of exact sciences and knowledge, that we have, but at a level of subconscious mind they operated with the information not burdened by freight of the theories and mathematical models. And who knows, maybe in human genes wait for the hour chains of DNA carrying true about this dynamical, mutable and developing universe.