

REMOVAL OF HYPOTHESES FROM PHYSICS

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With interest I read Greg Volk's paper "39 Questionable Assumption in Modern Physics" [Foundations of Science, 2009, Vol. 12, No. 3]. It forces the reader to question the validity of the modern physical picture of the micro- and macroworld.

Professor Philipp Kanarev has formulated 205 questions ("Prospects of theoretical physics," see Article 80 at <http://Kanarev.innoplaza.net>), which, in his opinion, theoretical physics should answer. On November 4, 2009 Professor Kanarev informed me, that in the 14th edition of his monograph "The Foundations of Physchemistry of Micro World" there are 1040 questions about the microworld and answers to them. About 900 questions are published in the second volume of the 12th edition of his monograph (on the internet at <http://kubsau.ru/science/prof.php?kanarev>).

As we see, the list of problems of modern physics is inexhaustible. Nevertheless, I consider that revealing these problems and their formulation is the important stage for comprehension by a community about the unsatisfactory condition of modern physics. However, there is a question: who will solve these problems? In the introduction of his paper Greg Volk recommends against "proving or disproving these assumptions" and "simply recognize them for now as assumptions."

On this question I have another opinion. I consider that it is not *assumptions* but the *hypotheses* that are more problematic for modern physics. Therefore in my paper "Real Forces and Unreal Hypotheses" (which may be read at the internet at <http://www.worldsci.org/php/index.php?tab0=Abstracts&tab1=Display&id=941>), I have proved the falseness of seven hypotheses of modern physics. In "Smulsky & Persson Memorandum" they are given in the following order:

1. Hypothesis about particles of light.
2. Hypothesis about the light speed of gravitation.
3. Hypothesis about black holes.
4. Hypothesis about a deviation of light by gravity.
5. Hypothesis about gravitational waves.
6. Hypothesis about the expanding Universe.
7. Hypothesis about the Big Bang.

All these hypotheses are erroneous. I have proved it. Anyone who is interested can be convinced by reading my paper “Real Forces and Unreal Hypotheses.”

If these false hypotheses are removed from physics, many questionable assumptions described by Greg Volk and also questions listed by Philipp Kanarev will disappear. Therefore I consider that it is necessary to prove the falseness of other hypotheses of modern physics, and then to remove them from it. Then the modern fantastic picture of the world will turn to a real picture of the world.