

**PHYSICAL VACUUM**  
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Now in Physics the new direction of scientific researches connected with studying of properties and possibilities of vacuum is formed. This scientific direction becomes dominating. It is capable to lead to a break in the field of power, electronics and ecology.

The concept «physical vacuum» has appeared in science as consequence of the comprehension that the vacuum is not emptiness, there is no "nothing". It represents extremely essential "something" which generates all in the world, and sets properties to matter of which the world around is constructed. The vacuum appears to occupy immeasurably more space, than matter in a firm and even massive subject. Thus, the matter is a rare exception in huge space filled with a substance of vacuum.

By calculations of the Nobel winner of R. Feynman and J. Willer, the vacuum energy potential is so huge that there is such considerable quantity of energy «in the vacuum concluded in volume of an ordinary electric bulb that it would suffice to boil all oceans on the Earth». But so far the traditional scheme of energy generation from matter remains not only dominating, but it is even unique.

In a new vacuum approach the scientists recognize that surrounding space – physical vacuum, is an integral part of power transforming system. The way of creation of the power installations having a superfluous power balance is opened. In such installations the received energy exceeds the energy spent by the primary power supply. They will be able to open access to the huge energy of vacuum reserved by Nature.

In search of new energy sources.

Today the mankind great needs the replacement of existing power technologies by guaranteeing non-polluting biosphere preservation. It especially concerns the power based on burning of natural sources of coal, oil, gas, uranium. Delivering of energy to consumers also remains expensive. Besides, the sources of minerals and resources of cheap uranium are reduced.

Creation of essentially new generators using energy of environment is absolutely real. They will transform it into the convenient form. And now there are serious experimental acknowledgement in this field.

Directions of researches.

Nowadays scientists practically in all countries work in a sphere of creating of the devices having a superfluous power balance, and search the mechanisms leading to occurrence of it. The race for mastering by a secret of receiving new energy has been begun. Most intensively similar researches are being spent lately.

The intensity of researches in the field of new forms is increased in Russia too. There are a lot of publications and the growth of them. We can judge their sharp activation now. Works concern both theoretical aspects of comprehension of a vacuum problem, and searches of practical application. The scientists pin their hopes on using torsion fields for this purpose.

Space agency of the USA (NASA) shows a great interest to a problem of vacuum energy.

The theoretical problems connected with vacuum energy and attempt of its practical reception are investigated in the USA, Germany and Japan.

The idea of "zero fluctuations of vacuum» are actively researched. Electromagnetic fields existing in physical vacuum even at temperature of absolute zero are opened. The calculations show that their energy is very great. It is so-called zero radiation of vacuum.

Researches reveal possibility of receiving energy from vacuum during the process of fast atomic nucleus movements of material environment when superfluous energy is produced due to ions passing through zones of vortical currents.

The concept of creation of vacuum energy generator.

To create the of vacuum energy generator some features of physical vacuum are used.

1. Existence of critical level of vacuum excitation when vacuum generates elementary particles.
2. The property of vacuum generates the electric power by means of generation of electric charges – electrons and positrons.
3. Vacuum transformation in to excited condition when obtaining certain density of energy.

Using the listed properties of vacuum leads to occurrence of vacuum power effects that is provided with an appropriate construction of the vacuum generator and electronic influence upon environment.

Existence of critical level excitation for vacuum and availability of natural background electromagnetic fields, space radiations leading to background level of excited vacuum condition, create receiving energy more when on loading, than it is spent by the primary power supply. The necessary adding is taken not from “nowhere”, but the energy reserved and existing from Nature.

According to a new concept the vacuum is considered both an energy carrier and an object being put to influence for the purpose of releasing reserved energy. Electromagnetic influence is a principal one. The purpose of electromagnetic influence is critical excitation of vacuum.

High density of energy in a local zone of space is necessary condition of it. Division of charges in power local zone of space is reasonable condition. The construction is provided all the listed conditions of the vacuum generator and its electronic scheme of management.

The generator corresponds electronic system where there are knots geometrical constructive and special knots creating such conditions. The assemblage of the knots and blocks in their natural interaction and strict order of carrying functions will allow to realize vacuum effects and provide energy selection.

The new power concept

Success in modern physics in comprehending the secret of vacuum allows to approach absolutely new positions of receiving of energy. The vacuum picture of the world gives a chance to understand developed approaches and methods and come to absolutely new power technologies in the field of power. In these fields the essential role is referred to vacuum effects.

For the first time the vacuum is taken into account as the natural material environment in processes of power transformations. During influence on it, it will be possible to receive big levels of energy.

The new concept radically differs from developed earlier approaches. Its basic difference is to use vacuum technologies for receiving high level energy. Possibilities are opened at a final stage of power transformations instead of ecologically dangerous substance, to receive a natural material environment – vacuum. Thus, such decision will be found both for receiving high level energy and a problem of ecological cleanness of the process itself

The concept of vacuum power has an aim to create power installations on the basis of using physical effects which will allow to realize a superfluous power balance in the system. In such power installations the vacuum is taken to a certain level of excitation.

The compact generators of energy based on vacuum effects, placed near the consumers of energy, will allow to solve power problems and promise big commercial benefits. In conclusion of foresaid it is necessary to add that astronomers counted up and theoretically

proved energy existence in vacuum. By their calculations, only 2-3 % of this energy are spent for creation of visible world (galaxies, stars and planets), but other rest energy is in Physical vacuum. Therefore there is no wonder that the vacuum is a source of all existing kinds of energy, and most correctly to receive energy directly from vacuum.