

THE UNIVERSE AND MAN ARE INFORMATIONAL HOLOGRAMS. CHANGING REALITY BY THE POWER OF CONSCIOUSNESS¹

Abstract

This work examines the structure of the Universe and man as systems of informational holograms. From the point of view of esoteric knowledge, our Universe is the creation of God. It is supported by the Consciousness of God and the Consciousness of many Celestial Beings (the so-called Hierarchy of Light). In particular, our physical world and all objects in it are holographic images created and supported by the Minds of Celestial Beings and people. As a result, our visible world is a Maya, an illusion, a hologram. It does not exist by itself, but is created on the basis of a global informational Super-matrix. The validity of this approach is confirmed by the scientific theories of two brilliant physicists: David Bohm and Gennady Shipov (the theory of Physical Vacuum).

The universe has a multi-dimensional structure. It contains the following planes: physical, etheric, astral, mental, causal, informational, ideological, etc. The physical world is a holographic image obtained by sequential convolution of information contained in informational holographic matrices of higher planes. Unlike known optical holograms, this process is described by informational holograms. These are information holographic matrices and holographic images created on their basis, both subtle and material.

Studies of psi-phenomena show that psychics can influence informational matrices (subtle planes) by the power of their consciousness. As a result, the physical objects themselves change, since the matrices that underlie them have changed. To influence a material object (or subject), the psychic must "enter into resonance" with it. This setting is achieved if the psychic enters a state of unconditional Love and creates from the Heart, not from the mind.

Changes in physical reality will be significant if we use the power of Consciousness not of one person, but of a group of people who are united in collective prayer or meditation. We conduct such planetary group work in our spiritual center "Academy of the Spirit". These are effective tools for harmonizing reality, since such practices are conducted under the guidance of an Enlightened Master Avesta, who is blessed by the Creator himself to help people and successfully collaborates with the Lords of the Fates. As a result, Representatives of the Hierarchy of Light and Heavenly Law supervise our planetary group meditations and other practices.

The human physical body is also a holographic image created by an informational holographic matrix (a system of subtle bodies). If a person wishes, he can use his consciousness to change the properties of his physical body. As a result, a person gains superpowers. His physical body can maintain its integrity and not be damaged due to extreme physical influences. This fact is the basis of such phenomena as walking on broken glass, sharp nails, hot coals (firewalking), etc. We train people to activate their superpowers at special seminars held at the "Academy of the Spirit".

Keywords: holography; holographic matrix; informational holograms; holomovement; torsion field; fields of inertia; theory of Physical Vacuum; consciousness; psi-phenomena; subtle bodies; group meditation; hundredth monkey effect; human superpowers; firewalking.

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¹ Русскоязычный вариант этой статьи: <http://www.trinitas.ru/rus/doc/0017/001b/00171323.htm>

*"The Absolute, One Beginning is true;
the ever changing universe is not real;
its existence is relative,
and man, in his essence, is divine (like God)».*
(Ancient Indian wisdom)

1. INTRODUCTION

All the ancient sages, saints and the initiates of our time say the same thing: our visible physical world is an illusion, a hologram. It does not exist by itself, it is only a projection (image) created by a more grandiose subtle-material holographic matrix that potentially contains everything that exists.

Michael Talbot in his book "The Holographic Universe" writes about this: *"Our universe is like a colossal hologram... Our world and everything in it – from snowflakes and maple leaves to electrons and comets – are just ghostly images-projections projected from a certain level of reality that is far beyond our ordinary world – so far that the very concepts of time and space disappear there" [1].*

In spiritual traditions, this global informational Super-matrix, from which everything is born, is called «Great Emptiness», «Absolute "Nothing"», etc. From the point of view of esoteric knowledge, our Universe is the creation of God. The physical world and all material objects in it are holographic images created and maintained by the Consciousness's of many Celestial Beings (the so-called Hierarchy of Light) and by the consciousness's of people incarnated in this world.

Below we will consider in detail how modern science confirms these postulates of esotericism. But first we must consider the principles of holography and the properties of holograms. We will tell you about this using the example of optical holograms, which are well studied and widely used in our lives. The principles of holography and the properties of holograms are equally applicable to waves of any nature: electromagnetic (light), acoustic (sound), torsion (information), etc. Therefore, studying how to operate the optical hologram, we can understand how all other types of holograms work.

2. PRINCIPLES OF OPTICAL HOLOGRAPHY. PROPERTIES OF HOLOGRAMS

The term "holography" comes from the Greek words *"golog"* (full) and *"grapho"* (write), which means "full image recording". Optical holography is the production of three-dimensional images by restoring the wave front [2].

In general, **holography is a method of recording and reproducing wave fields formed by interference of waves of any nature: acoustic, electromagnetic, torsion, etc.** The principles of holography were discovered in 1947 by Dennis Gabor.

In optical holography, the process of creating a holographic image of an object consists of two stages:

- 1) Creating a hologram-matrix (holographic matrix) of this object (Fig. 1A).
- 2) Obtaining a holographic image of this object using this matrix (Fig. 1B).

At the first stage, a hologram-matrix is produced. To do this, as a rule, the total wave flow from a coherent light source² is divided into two beams: the object and the reference. The object beam illuminates the object. The light wave scattered from the object is forced to interact with the reference beam. Since the light source is coherent, a clear diffraction pattern is formed, which is fixed on a transparent photographic plate. This is the hologram-matrix. Thus, in the light-sensitive layer of the photographic plate, an interference pattern is recorded, which is formed by a wave scattered from the object (the object wave), and a wave coherent with it from the source (the reference wave). Unlike conventional photography, a full wave portrait is recorded on a hologram plate – not only the distribution of the intensity of the light field, but also all wave phases. This is what allows you to get a three-dimensional image of the object instead of a planar one at the next stage.

² Lasers are used as radiation sources. They provide the high coherence required for holography, both temporal and spatial. Temporal coherence is the monochromaticity of light (the concentration of all radiation power at a single frequency). Spatial coherence is the absence of divergence of the light beam (ideally a flat wave) [2].

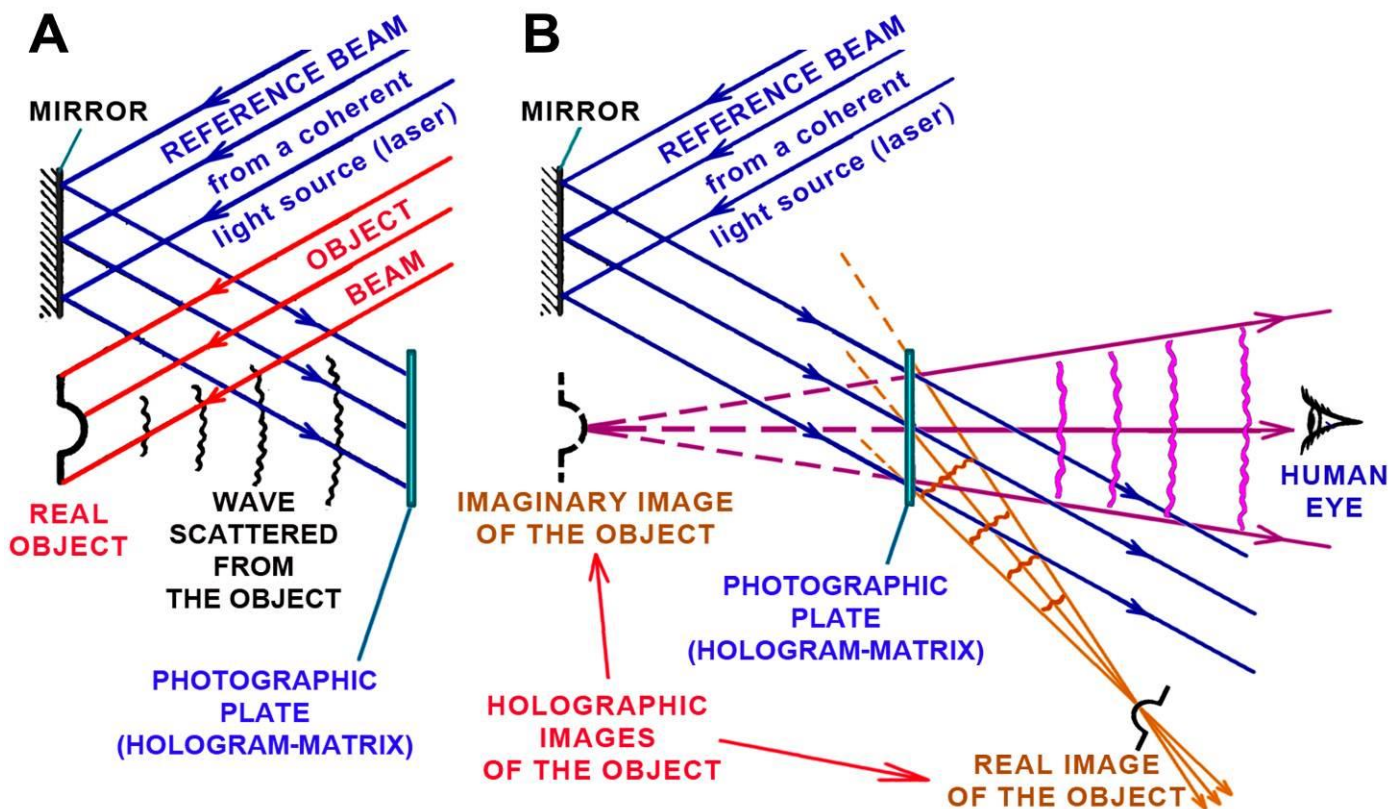


Fig. 1. Principles of optical holography. A. Scheme of obtaining a hologram-matrix (holographic matrix). B. Restoration of the wave front of an object wave when the hologram is illuminated by a reference beam. As a result of this process, holographic images of the object appear: its *imaginary* and *real* images

At the second stage, using a hologram-matrix, holographic images of the object (its optical images) are obtained. Restoration of the object's wave field is performed when the holographic matrix is illuminated by a reference beam falling on it at the same angle as in the manufacture of the hologram. This creates holographic images – *imaginary* and *actual* images³ of the object.

The solution of the wave equation shows that when the hologram is restored, a light wave is formed, which is identical to the wave scattered by the object up to an insignificant constant multiplier [2]. It thus accurately reproduces the scattered wave and gives an *imaginary* image of the object, in the same place as the object was at the time of receiving the hologram (Fig. 1). Another light wave converges behind the hologram and forms a *real* image of the object, which is obtained pseudoscopic (inverted). On it, the eye sees the convex parts of the object as concave and vice versa.

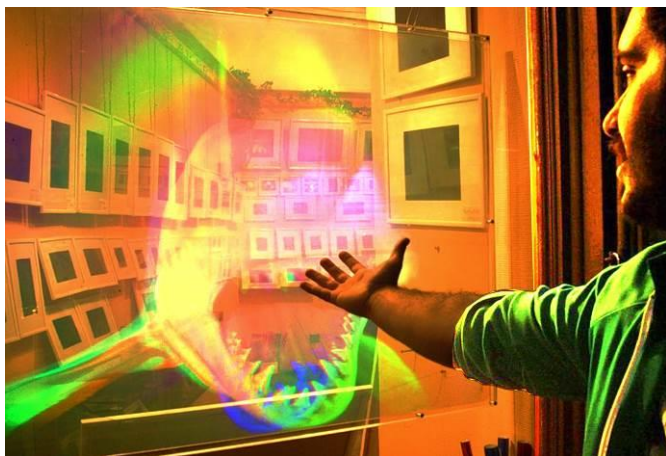


Fig. 2. Holographic image of a shark

In the case of inclined reference beams of light, the actual image is shifted to the side (Fig. 1). This shift distorts the image in the same way that it does when viewing an object through a prism. Thus, in general, the actual holographic image of the object is pseudoscopic and "prismatic" distorted.

So, the holographic matrix in encoded form contains complete information about the amplitudes and phases of the wave scattered from the object. This allows you to restore the scattered wave and get an optical image of the object. Hence we have the name of the holography – "full image recording".

³ An optical image obtained by the intersection of rays coming from an object is called a *real* image. An image obtained as the intersection of ray extensions in the direction opposite to the direction of their propagation is called an *imaginary* one. Note that the human eye cannot distinguish between imaginary and actual images – it perceives them in the same way.

Unlike photos, holograms have three important properties:

1) Holographic images are three-dimensional and look very realistic, which approximates or even equates them with images of our material world (Fig. 2). Imaginary images completely and without distortion reproduce the relative position of real objects in space. If some objects are obscured by others when viewing the hologram, you can change the direction of the view to see the obscured objects as well. Thus, holographic images show actual spatial characteristics, including reliable parallax: studying a holographic image from different angles of view reveals previously hidden aspects (Fig. 3). This does not happen with a normal photo or movie frame – their review at a different angle simply distorts the image.

2) Any part of the holographic matrix acts as an entire hologram. For example, each piece of a broken hologram can be used to reproduce an image. As the size of the hologram decreases, only the image clarity (resolution) and the sense of volume decrease. This specificity of the holographic method is due to the fact that when exposed, as a rule, all parts of the photographic plate are exposed to light scattered by all points of the object. **Therefore, each part of the hologram contains information about the entire object in encoded form.**

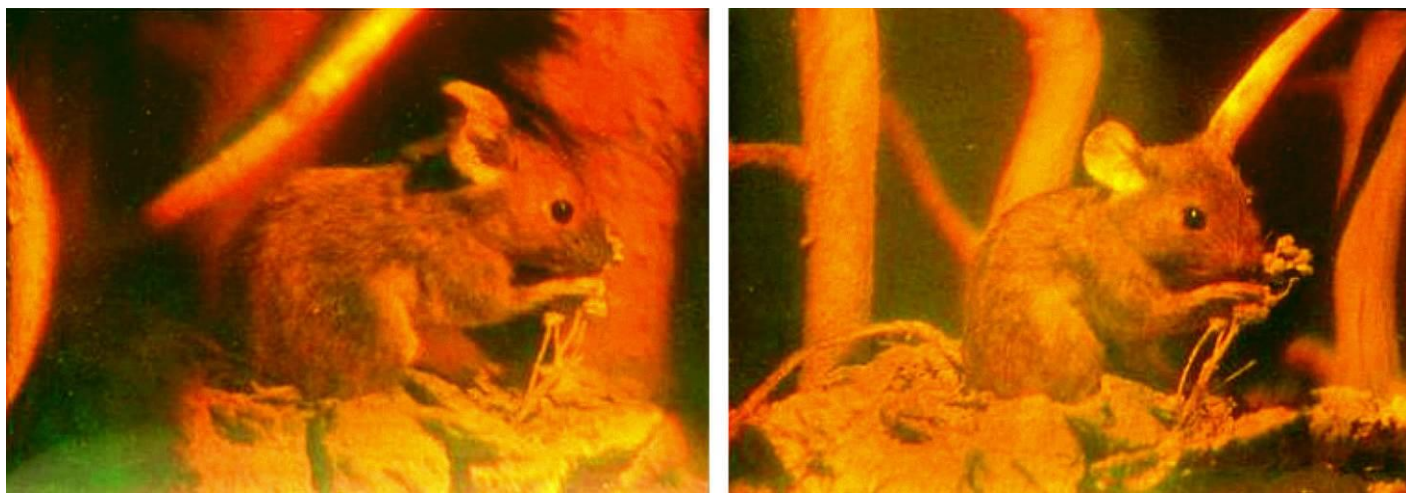


Fig. 3. Two photos of the same hologram taken from different angles

3) Holographic matrices have an incredible ability to contain a huge amount of information. Several hundred images can be recorded on a single photographic plate, where only one image would fit in the normal way of photography. With this multi-recording, each of the recorded images can be restored without intervention from other images. To do this, place different objects in the same place, but change the direction of the reference beam at each exposure of the photographic plate. In this case, to restore the holographic image of a particular object, the resulting total hologram is illuminated with a reference beam that falls on it at the same angle as when creating the hologram. The high resolution of holograms allows you to place on 1 square cm of the holographic matrix as much information as it contains in 10 Bibles on the physical plane [1].

In conclusion, it is worth noting that the analog of optical diffraction (interference) is the mathematical Fourier transform. Therefore, an interference pattern fixed on a photographic plate can be obtained from the original image of an object $f(x, y)$ by applying the Fourier transform $F[f(x, y)](\xi, \sigma)$ to it⁴. Whereas the inverse Fourier transform F^{-1} applied to the interference pattern will give the original image of the subject $f(x, y)$.

3. INFORMATIONAL MATRICES IN THE THEORY OF PHYSICAL VACUUM

The above principles of holography are the basis of the subtle structure of man and the universe, only torsion waves act instead of electromagnetic waves, since it is torsion fields (fields of inertia) that carry information [3].

⁴ In the theory of functions of complex variables for the special case of two variables ($n = 2$), the Fourier transform $F(\xi, \sigma)$ applied to the function $f(x, y)$ is described by the integral:

$$\mathbf{F}(\xi, \eta) = \mathbf{F}[f(x, y)] = \int f(x, y) e^{+i(x\xi + y\eta)} dx dy; \text{ where } i = \sqrt{-1} \text{ is an imaginary unit;}$$
$$e^{i\varphi} = \cos \varphi + i \sin \varphi. \text{ The inverse Fourier transform has the form:}$$
$$\mathbf{F}^{-1}(\xi, \eta) = \mathbf{F}^{-1}[f(x, y)] = \int f(x, y) e^{-i(x\xi + y\eta)} dx dy. \text{ Therefore, } \mathbf{F}^{-1}[\mathbf{F}[f(x, y)]] = f(x, y).$$

The theory of Physical Vacuum, developed by the brilliant strategic physicist Gennady Shipov, confirms the existence of a system of three informational matrices with holographic properties. These three matrices are *the Absolute "Nothing"*, *the Primary vacuum* and *the Physical vacuum (the Vacuum)* [3]. They form *the World of Highest reality* (Fig. 4).

The Supermatrix of *the Absolute "Nothing"* gives birth to two matrices: *the Primary vacuum* and *the Physical Vacuum*. *The Primary vacuum* is an informational matrix, according to which *Primary torsion fields* are created (*the subtle material world*). In turn, the *Physical vacuum* is also an informational matrix from which all coarse matter is born, from elementary particles, atoms, and molecules to all physical objects (*the coarse world*) (Fig. 4).

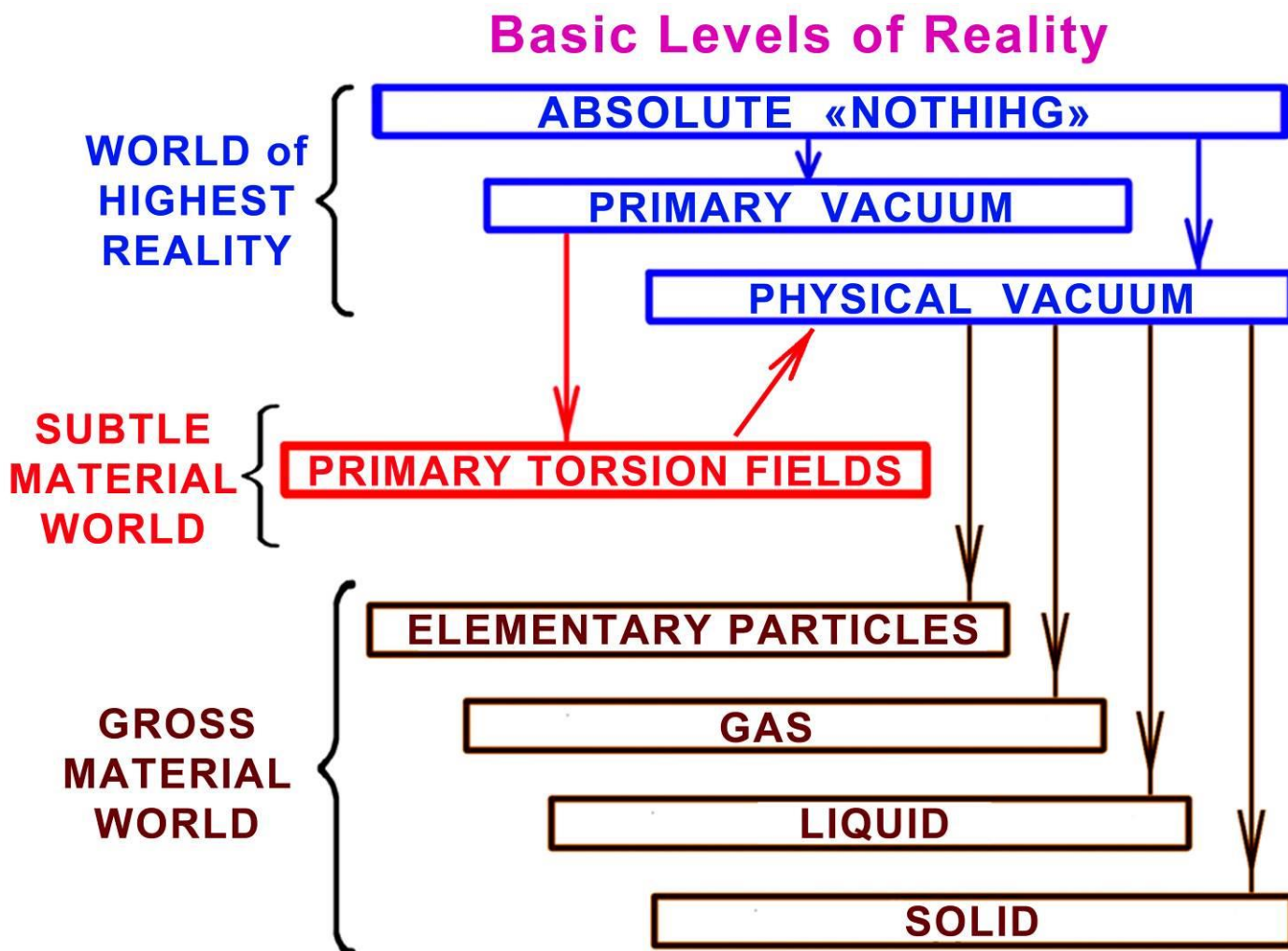


Fig. 4. Basic levels of reality in the theory of Physical Vacuum [3]

In the theory of the Physical Vacuum, *the Absolute "Nothing"* acts as an active creative Principle (Superconsciousness, God) and cannot be described meaningfully, only as an identity: $0 \equiv 0$. It is this level of reality that generates the levels of *the Primary vacuum* and *the Physical vacuum*. We come to this conclusion because the level of *the Absolute "Nothing"* has the maximum stability. Indeed, *the Physical Vacuum* is described by a system of equations that pass into the equations of *the Primary vacuum* when the Riemannian curvature R turns to zero. The conformal coordinate transformations that change the Riemannian curvature of space allow such a transition. In turn, the equations describing *the Primary vacuum*, again using conformal transformations, are reduced to the identity $0 \equiv 0$, i.e. to *the Absolute "Nothing"*. This is the most stable state within the framework of formal logic.

The reverse path of transformations from the identity $0 \equiv 0$ to the level of *the Primary vacuum* assumes that *the Absolute "Nothing"* has Superconsciousness and Creative abilities. It can also be assumed that *the Absolute "Nothing"* is a kind of Supermatrix with which the Highest Consciousness (God, the Absolute) works to create everything from the Absolute "Nothing". In any case, the theory of Physical Vacuum implies the existence of God, the Creator, the Source of Being, and so on. Thus, *the Absolute "Nothing"* creates two levels of *the Primary vacuum* and *the Physical vacuum* (Fig. 4).

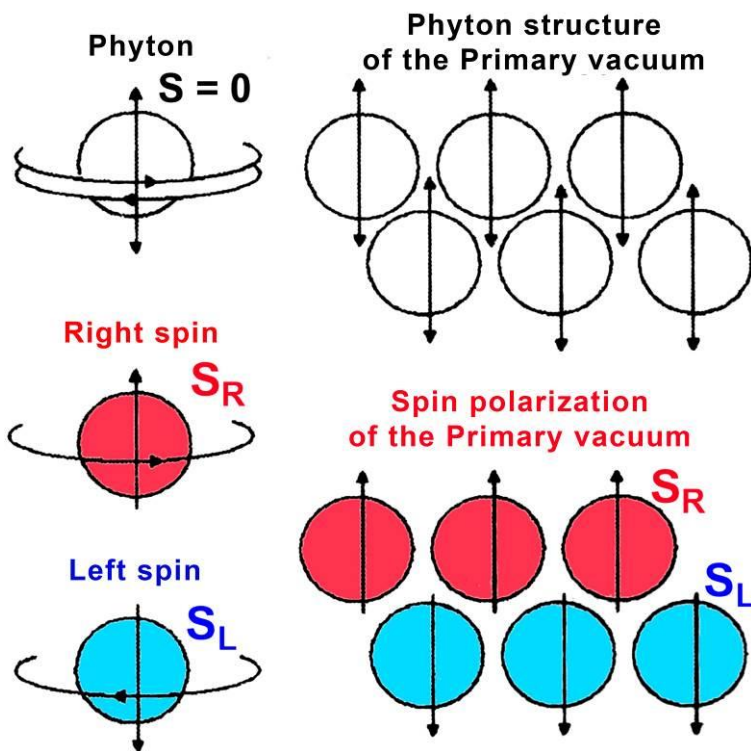


Fig. 5. Phytion model of primary vacuum proposed by A. Akimov

since they satisfy any set of desired variables. Any types of subtle-material and coarse-material matter are acceptable.

Thus, God (the Creator) manifests with his Superconsciousness both the subtle material world and the gross material world, using the Supermatrix (*the Absolute "Nothing"*) and the informational matrices of *the Primary vacuum* and *the Vacuum*. These matrices have unlimited possibilities of creation and potentially contain an infinite number of variants of the subtle and gross material worlds. Our physical reality and the system of subtle worlds that underlie it are only one of the possible versions of creation produced by God.

After the plans of *the Primary vacuum* and *the Vacuum* are created from *the Absolute "Nothing"*, a *subtle material world* is born from *the Primary vacuum*. This world is represented by *the Primary torsion fields* (Fig. 4).

Since the energy-momentum tensor of these fields is zero (although the fields themselves are different from zero), such fields do not bend space and carry information only about the rotational properties of subtle matter. In general, "rotational" information can change the size and direction of rotation of material objects without changing the trajectory of their center of mass [3].

Anatoly Akimov proposed a *phyton model* of the Primary vacuum [4]. Phytions are compensated right-left primary vortices that fill the entire *Primary vacuum*. Spontaneously or under external influence, the phytions break up into right-oriented (S_R) and left-oriented (S_L) primary spins, which causes spin polarization of the vacuum (Fig. 5).

The energy and momentum of the primary torsion field are zero initially, so it makes no sense to talk about the speed of propagation of this field, generally speaking. If such a field appears, it covers the entire space at once. It seems to be everywhere and always at once [3]. Akimov writes: "If we say that there is no energy exchange in a certain dynamic environment, then it automatically follows that in this environment, the transfer of information cannot occur otherwise than instantly. Speed appears only when there is a concept of energy. If there is no energy parameter, then there is no speed parameter" [4].

Thus, the subtle level is a field level that contains only information. Torsion vortices interact with each other, but this interaction is such that they do not transmit energy, but information. Moreover, with the exception of the torsion characteristic, this level has no other physical characteristics.

The level of *the Primary torsion fields* (Fig. 4) has the following properties [3]:

The primary vacuum is an informational matrix, according to which *the Primary torsion fields* are created (primary inertia fields, or subtle material worlds). According to its properties, *the Primary torsion field* differs from ordinary matter in that it does not bend space, i.e. it does not participate in force interactions, so the primary torsion fields form a *subtle material world* (Fig. 4).

In turn, *the Physical Vacuum* is also an information matrix from which all gross matter is born. It is this matter that participates in force interactions. This information is contained in the vacuum equations in the form of physical laws that establish relations between coarse-material objects. The Vacuum and Primary vacuum equations are structural equations. They describe the space-time continuum, its curvature and torsion, so they do not contain any specific physical constants [3]. Emptiness cannot be characterized by anything specific. Moreover, the equations themselves have the character of identities,

1. It has a vortex torsion structure that fills the entire space of the Universe.
2. Field vortices do not transmit energy when transmitting information.
3. The speed of informational transfer from one point of space to another is infinite.
4. The entire environment of this level, as well as *the Primary vacuum*, collectively has the properties of a hologram.

Primary torsion fields generate the matter of our physical world using a holographic matrix of *the Physical vacuum*. Primary torsion fields also generate all sorts of informational fields of the subtle world. According to the hypothesis of Eugene Vselensky [5, 6], these informational fields are structured and form a *System of energy-informational lattices* that permeate all the plans of the Universe. It is through this System that the Divine plan for the development of all beings in the Universe is realized.

Note that all the equations of the theory of Physical Vacuum obtained by Gennady Shipov [3] are derived for our four-dimensional world, which has dimension $n = 4$ and is described by **10** coordinates: four translational ($x, y, z, x_0 = ct$) and six rotational coordinates: $(\varphi_1, \varphi_2, \varphi_3, \theta_1, \theta_2, \theta_3)$. The five-dimensional space of Eternity ($n = 5$), in which the Past, Present, and Future exist simultaneously, is described by **15** coordinates [5]. Subtle worlds have a huge number of dimensions, so you need to enter the appropriate number of coordinates to describe them theoretically. That is why the equations of Physical Vacuum in principle cannot give a complete description of the subtle worlds. These equations are created for our rough material world ($n = 4$).

The presence of primary torsion fields in space makes the structure of the physical vacuum unstable, causing the birth of elementary particles from the vacuum as the simplest representatives of the rough-material world. This world is formed by all kinds of matter that have energy. There are four levels of reality: solid, liquid, gas, and elementary particles (Fig. 4).

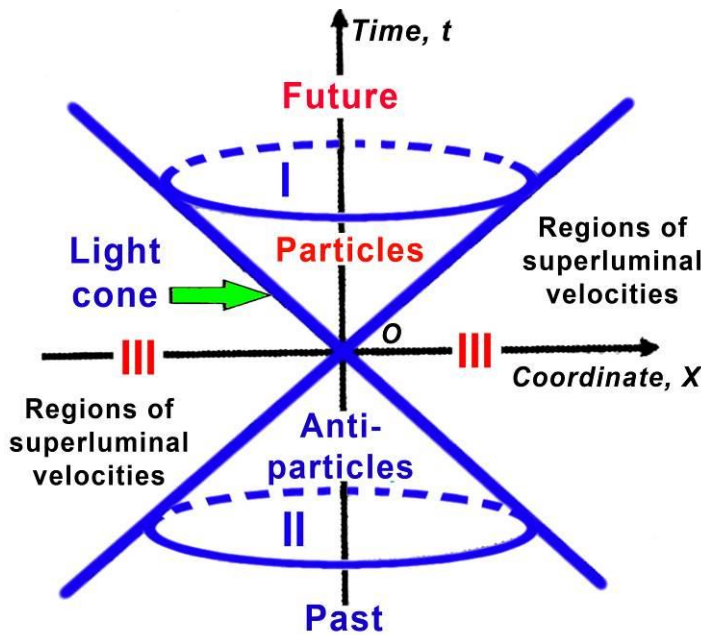


Fig. 6A. Various areas of the event space.
I – space of Special and General relativity;
I + II – Quantum field theory;
I + II + III – the theory of Physical vacuum

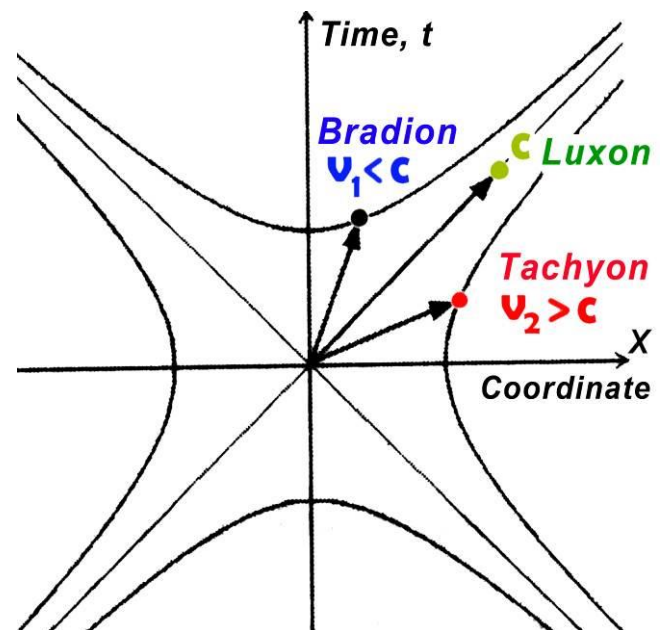


Fig. 6B. The triplet nature of the solutions of the equations of Physical vacuum. Decision speeds:
 v_1 – bradion; c – luxon;
 v_2 – tachyon

If we consider only translational coordinates, then in special relativity, Einstein's theory, and General relativistic electrodynamics the event space available to the observer is located inside and on the surface of the light cone of the future (Fig. 6A).

In quantum field theory, all antiparticles are considered as corresponding particles moving backwards in time. Therefore, in this theory, at the micro level, the event space includes not only the cone of the future, but also the cone of the past (Fig. 6A).

In the theory of Physical Vacuum, all regions of the event space (inside, on the surface, and outside the light cone of the future) are valid (Fig. 6A). This conclusion follows from two theoretical consequences of the new theory. First, solutions of the vacuum equations have a triplet form. Each solution describes the

same object, but this object can manifest itself either as a *bradion* (a particle that moves at less than the speed of light), or as a *luxon* (a particle that moves at the speed of light), or as a *tachyon* (a particle that moves at superluminal speed) (Fig. 6B). It is known that tachyons have imaginary energy and, consequently, imaginary mass: $\mathbf{m} = i \mathbf{E}/c^2$ (\mathbf{E} – energy, c – speed of light, $i = \sqrt{-1}$ – imaginary unit). There is a theorem according to which systems consisting of a set of positive and imaginary masses can have a negative mass.

Second, the law of conservation of energy at birth from the vacuum of positive masses requires simultaneous birth of negative masses. Negative masses generate negative energies: $\mathbf{E} = -\mathbf{m}c^2$, and negative energies correspond to particles that move backwards in time (inside and on the surface of the cone of the past, Fig. 6A).

Guided by the General principle of relativity (invariance of the equations of physics in accelerated reference systems), Gennady Shipov consistently selected the geometry of space in which all physical quantities became relative. As a result, he came to his own principle of *Universal relativity* (table 1). Shipov proved the relative nature of gravitational, electromagnetic, and torsion fields under various coordinate transformations, including rotational ones. To do this, he used the Weitzenbock's geometry, which uses 10-dimensional curved and twisted space, and material sources are reduced to Ricci torsion [3].

Table 1. The principles of relativity and geometries of space corresponding to them

| The principles of relativity | The reference systems | The relative coordinates | The relative physical values | The geometries of the event space |
|--|---|--|---|---|
| The Galileo-Newton principle | Three-dimensional inertial systems | x, y, z | The kinetic energy of uniform motion | Three-dimensional Euclidean geometry (flat 3D-space) |
| The special principle of relativity | Four-dimensional inertial systems | x, y, z, ct | The length, the time | Four-dimensional Minkowski geometry (flat 4D-space) |
| The General principle of relativity | Accelerated locally inertial systems of the first kind | x, y, z, ct | The Gravitational and electromagnetic fields | Four-dimensional Riemann's geometry (curved 4D-space) |
| The General principle of relativity and the rotational relativity | Accelerated locally inertial systems of the 1st and 2nd kind | $x, y, z, ct,$ $\varphi_1, \varphi_2, \varphi_3,$ $\theta_1, \theta_2, \theta_3$ | The fields of matter (the torsion fields) | Ten-dimensional Weitzenbock's geometry (curved and twisted 10D-space) |
| Shipov's Universal principle of relativity | Accelerated locally inertial systems of the 1st and 2nd kind | $x, y, z, ct,$ $\varphi_1, \varphi_2, \varphi_3,$ $\theta_1, \theta_2, \theta_3$ +5 coordinates describing conformal transformations of base vectors | The mass, charges, spins and other topological characteristics of elementary particles | 15-dimensional Weitzenbock-Weil geometry (curved and twisted 15D-space with conformal properties) |

Until a certain point, the only absolute value was the Riemannian curvature of space. However, experiments on the birth of particles from a physical vacuum show that their masses, charges, spins and other physical characteristics are relative, i.e. they appear and disappear in the processes of birth from a vacuum or return to it.

In the theory of Physical Vacuum, these characteristics are determined through the Riemannian curvature of space, so it is necessary to base on geometry of space in which the Riemannian curvature behaves as a relative quantity. This requirement is met by conformal reference systems, in which the basis vectors have a variable value, i.e. they can change from point to point, as well as at different times. In such an event space, the Riemannian curvature becomes relative, so the masses, charges, spin and other characteristics of vacuum excitations are relative. Using conformal coordinate transformations, we can describe the processes of birth and destruction of elementary particles and their mutual transformations. In mathematics, conformal geometry was first proposed by the German mathematician G. Weil. Therefore, the Weitzenbock's geometry, supplemented by conformal properties (the Weitzenbock-Weil geometry) is ideal for describing the structure of a physical vacuum (table 1).

A remarkable property of the Weitzenbock-Weil space is the equality of an infinitely remote point with all other points in space. This leads to an important conclusion for physics – the birth of any objects from the vacuum is essentially a *non-local process*, since it involves infinitely distant points of space.

In the theory of Physical Vacuum, the birth of subtle matter begins at the level of the *Primary vacuum*. There is a spin polarization of the vacuum, as a result of which the right and left *primary torsion fields* arise. These fields cover the entire space and act as a kind of catalysts, causing the birth of coarse matter from the level of the *Physical vacuum* (Fig. 4).

Since the initial energy of the vacuum is zero, there is a simultaneous birth of right matter with a positive mass m^+ and left matter with a negative mass m^- . Therefore, the mass conservation law is always fulfilled globally: $m^+ + m^- = 0$.

All six classes of particles generated from the physical vacuum are depicted on the $E/c - p$ (energy–momentum) plane, adopted in the special theory of relativity (Fig. 7).

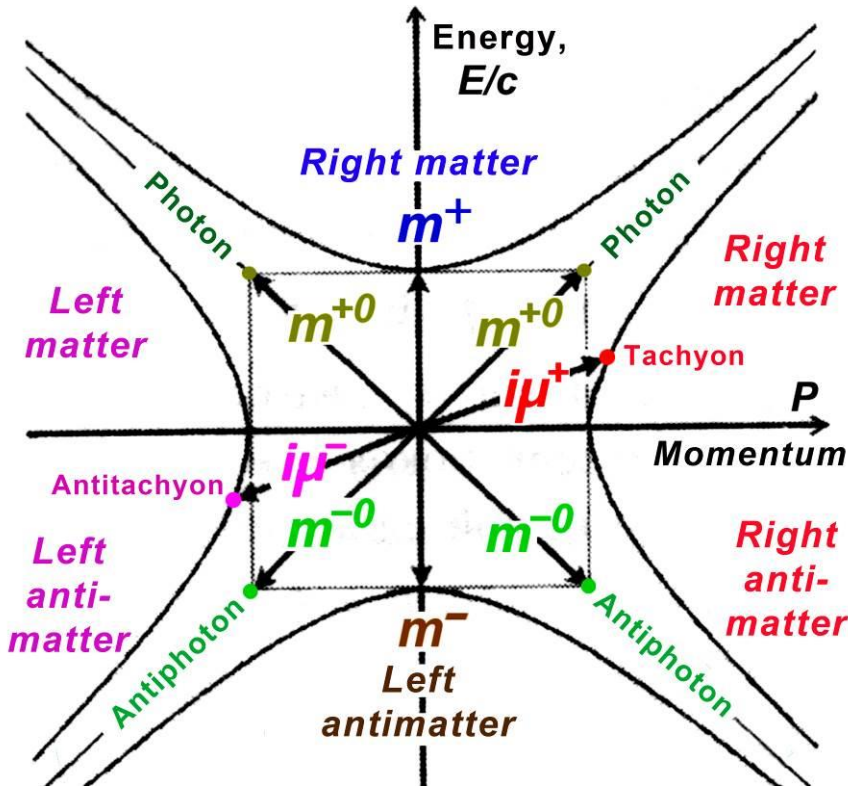


Fig. 7. Classes of particles born from the Physical vacuum

Particles with positive mass and positive energy are called *positons*, and particles with negative masses and energies are called *negatons*. Since the initial energy, momentum, mass, charge, spin, and other physical characteristics of the vacuum (baryon and lepton numbers) are zero, **the conservation laws require that particles are born from the vacuum not in pairs, but in Terletsky quadriga** (i.e., quarters). In such birth processes, six conservation laws are observed at once: mass, charge, spin, baryon number, lepton number, and parity.

The absence of negative mass accumulation observed in the Universe is explained by the fact that negative masses are mutually repelled, forming a uniform background with a density: $\rho = -10^{-30} \text{ g/cm}^3$. This density is so insignificant that it has almost no effect on laboratory experiments. But on the scale of galaxies, its influence can be significant.

Sum up. Elementary particles or groups of them that appear from the physical vacuum do not exist independently. Since the parameters of elementary particles are set by the parameters of the physical vacuum matrix, **these elementary particles, acquiring real density, have properties that establish their unbreakable connection with the physical vacuum itself – with the level that generates them.** Such interaction was conventionally called a *polarization*. What is its essence?

When an elementary particle manifests, it continues to interact with the physical vacuum. The result of this interaction is a change in space or polarization, and the effect of the change is determined by the real characteristics of the particle. If a particle has mass, a gravitational field will appear as a result of its interaction with a physical vacuum. If a particle has a charge, the very fact that it has a charge will cause this particle to interact with the vacuum in such a way that an electrostatic field will appear.

Thus, there is the unified environment – a physical vacuum that performs the functions of the Unified field. A field is the appearance of disturbances in an initially compensated, self-balanced environment caused by the presence of an object with which this environment interacts. In essence, it can be argued that any field (gravitational, electromagnetic, torsion) is a distortion of the space of the physical vacuum – its curvature and/or torsion.

We can say that electromagnetic fields are generated by the charge q , gravitational fields by the mass m , and torsion fields by the moment of inertia⁵ J of the rotating body. For micro objects, their proper rotation is described by the spin of elementary particles. Just as any object with mass creates a gravitational field, so any rotating macro object or micro particle with non-zero spin creates a torsion field.

Torsion fields have a number of unique properties [3]:

1) Torsion fields can be generated not only by rotation (or spin). They can be created by geometric and topological shapes that cause spin polarization of the physical vacuum (the so-called "shape effect").

2) Torsion fields can be self-generated (primary torsion fields).

3) Any electromagnetic fields always generate torsion fields.

4) Since torsion fields do not have energy and momentum, but only carry information, they pass through most physical media without interacting with them (torsion fields cannot be shielded by conventional natural materials). As a result, torsion fields have a high penetrating power.

5) Primary torsion fields propagate instantly, i.e. their propagation speed is infinite (scientists have already made sure that the speed of torsion waves is at least $10^9 c$). Therefore, the rate of signal transmission using torsion fields can probably vary from the speed of light c to infinity, depending on the physical situation that gave rise to these fields [3]. This is not unexpected. Theoretical objects with superluminal velocities – tachyons – have long been considered in physics (Fig. 6).

6) The intensity of the torsion field for a source with torsion radiation does not depend on the distance (for comparison, the intensity of electromagnetic waves decreases with the distance according to the law of inverse squares). Therefore, in the first approximation, we can say that the transmission of information over a torsion channel can be realized at any distance and through any medium with arbitrarily weak torsion signals⁶.

⁵ The moment of inertia of a body J relative to the axis of rotation is equal to the sum of the moments of inertia of all its material points Δm_i relative to this axis of rotation: $J = \sum \Delta m_i r_i^2$, where r_i – the distance of the i -th point to the axis of rotation. From the comparison of formulas describing translational and rotational movements in Newton's mechanics, it is clear that the moment of inertia J is an analog of the mass m and characterizes the inert properties of the body during rotation

⁶ However, in any real message transmission system, it is necessary to ensure the transmission of the required amount of information I , which is given by the well-known expression of K. Shannon: $I = 0,5 \log (1 + S/N)$, where S/N is the signal-to-noise ratio. Therefore, for torsion channels of information transmission, the only factors that determine the power of the emitted signal are the noise in the torsion channel and the reliability of information transmission.

7) Unlike electromagnetism, where eponymous charges repel, eponymous torsion charges attract (the law of Similarity in esotericism).

8) Physical vacuum and spin-polarized media form stable metastable states as a result of the external torsion field, i.e. their spin polarization persists even after the external torsion field ceases to operate (the so-called *phantom effect*).

9) Right static torsion fields have a favorable effect on biological objects, and left fields act oppressively.

4. IMPLICATE (HIDDEN) HOLOGRAPHIC WHOLENESS UNDERLYING EXPLICATED (MANIFESTED) REALITY

The theoretical foundations of the Universe as holograms are presented in the works of the outstanding theoretical physicist David Bohm (see, for example, "Wholeness and the Implicate Order" [7]). These ideas are presented in popular science form in the book by Michael Talbot's book "The Holographic Universe" [1], which provides an excellent overview of this topic. In turn, V. and T. Tikhoplav based their book "New physics of Faith" [8] on this publication by M. Talbot, adding information from Russian sources.

David Bohm formulated a revolutionary model of the Universe that extends holonomic principles (holographic principles of the relation of the whole and its parts) to areas that are not currently the subject of direct observation and scientific research.

Stanislav Grof presents David Bohm's holonomic theory in this way:

*"Bohm describes the nature of reality in general and consciousness in particular as **an inseparable and coherent whole**, involved in an endless process of change – **holomovement**. The world is a constant stream, and stable structures of any kind are nothing more than an abstraction; any object that can be described, any entity or event, are considered to be derived from an indefinable and unknown universality.*

*The phenomena that we perceive directly with our senses and with the help of scientific instruments – that is, the entire world studied by mechanistic science – represent only a fragment of reality, **an open or explicative (explicit) order**. This is a special form, its source and generating matrix is a more fundamental universality of existence – **a hidden or implicative (implicit) order**, in which this form is contained and arises from it" [9].*

The manifestation of all forms in the Universe is the result of an infinite process of folding (curtailing) and unfolding between these two orders. For example, when we register an electron as a particle in our explicative (explicit) world, we actually see a manifestation of the collapse of some "electronic wholeness" belonging to the implicative (implicit) order. If an electron as a particle appears to be moving, this is caused by a continuous series of such folding's and unfolding's of the implicative "electronic wholeness".

Bohm's theory easily explains how elementary particles can manifest as either a particle or a wave (particle-wave dualism). According to Bohm, both of these aspects are always present in a hidden form in an implicative order, but the way in which the observer interacts with this integrity determines which aspect (particle or wave) will manifest and which aspect will remain hidden.

The holographic matrix and the holographic image of the object created by it are analogous to the implicative and explicative order. The matrix corresponds to an implicative (implicit) order, because it contains an interference pattern that has a hidden wholeness. The holographic image created by the matrix corresponds to the explicative order, since it represents the revealed (developed) visible version of the image of the object.

Since the term "hologram" usually refers to a static image and does not convey the dynamic and active nature of the infinite collapses and expansions that continuously create our Universe, Bohm prefers to define the Universe not as a static holographic image, but as a "*holomovement*".

So everything in the Universe is part of an indivisible Whole. Despite the apparent separation of things at the explicative level, everything is a continuously distributed wholeness, eventually ending with the implicative and explicative orders merging with each other.

This does not mean that the universe is a gigantic, indistinguishable mass. Things can be parts of an indivisible whole and at the same time have unique qualities.

5. THE UNIVERSE IS A SYSTEM OF INFORMATIONAL HOLOGRAMS

From the position of esotericism, our Universe is the Creation of God. It is supported by the Consciousness of God and the Consciousness of many Celestial Beings (the so-called Hierarchy of Light).

If we combine the theories of G. Shipov [3], D. Bohm [7] and E. Vselensky [5, 10], we get the model of the Universe shown in Fig. 8. There are 13 activated planes in the entire Universe: 1) *physical*, 2) *etheric*, 3) *astral*, 4) *mental*, 5) *causal*, 6) *informational*, 7) *ideological*, 8) *buddhic*, 9) *nirvanic*, 10) *Brahma plan*, 11) *Atmic*, 12) the plan of the "Great Emptiness" and 13) the plan of the *Absolute* (God) [10].

Bohm's concept of "*Implicative order*" conventionally corresponds to the *the world of Highest reality*, which includes the *Absolute "Nothing"*, the *Primary vacuum*, and the *Vacuum* (in Shipov's terms). *The world of Highest reality* includes all the higher planes: the *buddhic* (more accurately its upper sub-plane), the *Nirvanic*, the *Brahma plan*, the *Atmic*, the plan of the "Great Emptiness", and the *Absolute plan* (according to the theory of Eugene Vselensky). These are unmanifested worlds that have no forms. We can say that the *Absolute "Nothing"* corresponds to the plan of the "Great Emptiness".

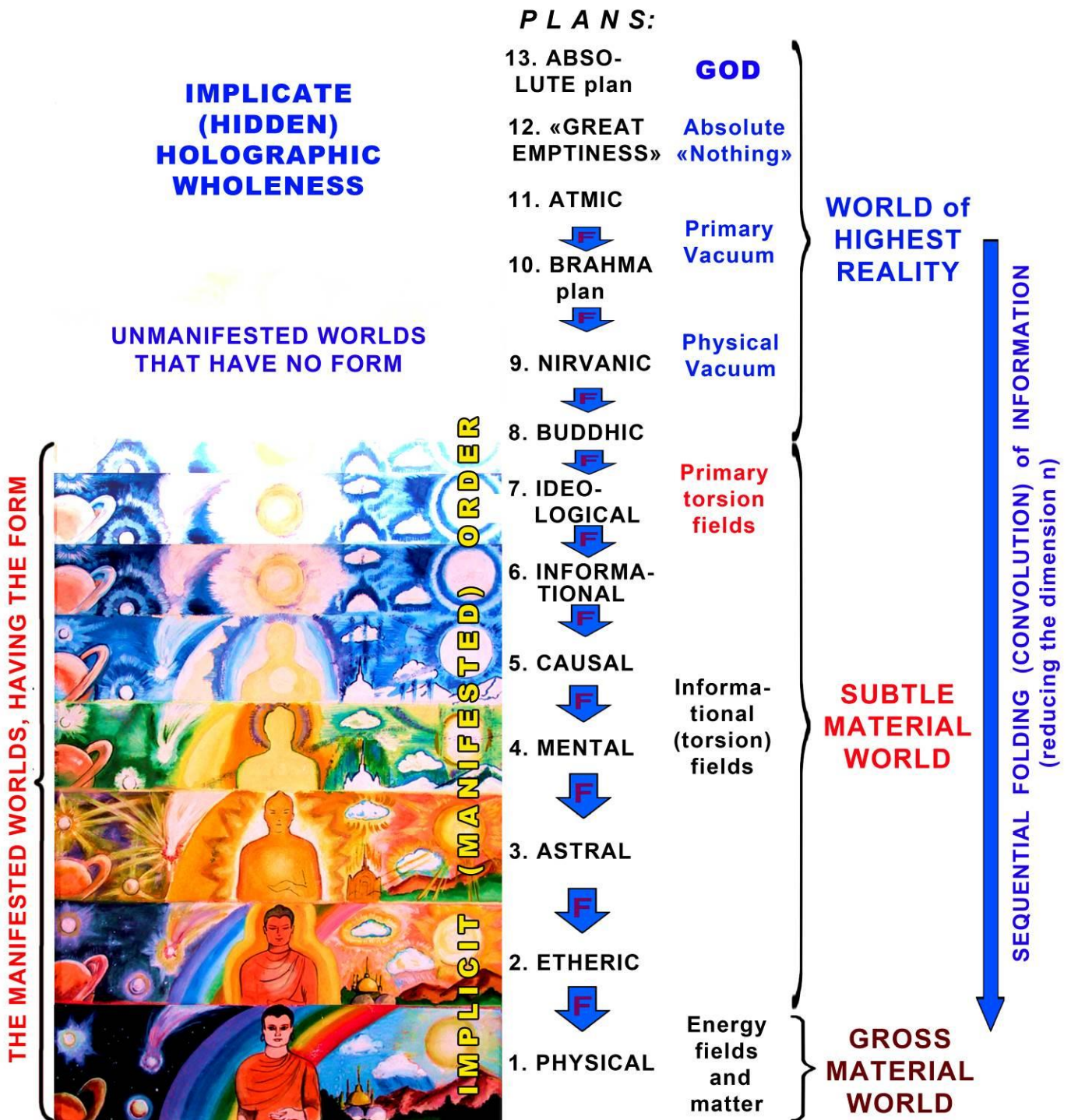


Fig. 8. Scheme of the multidimensional holographic structure of the Universe

The subtle world (primary torsion fields and all other informational fields) includes the following planes: *etheric, astral, mental, causal, informational, ideological, and buddhic* (its lower sub-plan). All these worlds have forms from the "matter" (information) that is inherent in the corresponding plan. Again, we can conditionally say that these plans represent an "**explicative (manifested) order**".

The gross material world (solids, liquids, gases, and elementary particles) is our physical plane, which is the most striking manifestation of **the explicative order**. It is clear that this division into plans (Fig. 8) very conditional and does not reflect the ever-changing holographic wholeness of the multidimensional Universe.

Starting from the physical plan up to the subtle manifested plans, each plan is built on the basis of information from the previous (more subtle) plans. As a result, each of the manifested plans is a holographic image that is created by informational holographic matrices of more subtle plans (Fig. 8). When we go down through the worlds from top to bottom, i.e. from the subtler to the denser ones, up to our physical world, there is a process of sequential folding (convolution) of information – reducing the dimension (*n*). This is the process of successive manifestations of certain realities that we can perceive with our ordinary sense organs (the physical plane) or with extrasensory perceptions (the etheric, astral, mental, and other planes).

The higher the plan, the more subtle and more complex (multidimensional) hologram it represents. It makes no sense to describe the plans of *the "Great Emptiness" (Absolute "Nothing")* and *the Absolute* as holograms or something else, because these plans are indescribable.

So our physical universe is not real. It is a holographic image obtained by sequential convolution of information contained in informational holographic matrices of more subtle levels of reality (Fig. 8). The influence of Consciousness on the subtle material world and the transformation of the informational matrices themselves (cause) leads to stable changes in the holographic image of the physical world (effect) created by these matrices. This can happen with or without some time delay.

We can say that the physical world is an "objectified dream" created by the Consciousness of God and the collective Consciousness of many Celestial Beings (the so-called Hierarchy of Light), as well as the collective consciousness of people incarnated in this world.

This fact explains the miracles performed by saints and Initiates. Jesus Christ could walk on water, Sai Baba materialized objects, and David Copperfield owns levitation. Many other psi-phenomena related to the influence of consciousness on the material world are given in [1].

Our Universe (with the planet Earth) can be compared to a small boat floating in a vast ocean of energy-information, but we have not yet learned how to use this energy. Indeed, theoretical physics recognizes the presence of large fluctuation energy of the physical vacuum. If the thermonuclear energy is estimated by the density of a nuclear substance of the order of 10^{14} g/cm^3 , then the density of the Planck energy of the physical vacuum fluctuation is 10^{95} g/cm^3 according to John Wheeler [3], i.e. the energy of vacuum fluctuations is 10^{81} times greater than the thermonuclear energy!

Despite its apparent materiality and gigantic size, the physical universe does not exist on its own. This is an illusion created by a grandiose holographic matrix of implicative order, which potentially contains everything that exists, as well as everything that can exist in principle.

6. MAN IS AN INFORMATIONAL HOLOGRAM. CHANGING REALITY BY THE POWER OF CONSCIOUSNESS

Man, as well as our Universe, is a multi-dimensional holographic system that functions on the basis of holographic principles (Fig. 9).

According to Eugene Vselensky [5, 10], man is a system of 13 bodies: *physical, etheric, astral, mental, causal, informational, ideological, buddhic, Nirvanic, Brahma body, Atmic body, the body of the "Great Emptiness" and the body of the Absolute* (Fig. 9). Conventionally, we can say that the subtle human bodies interpenetrate each other on the principle of "Russian nested doll".

Each of the manifested human bodies is a holographic image that is created by informational holographic matrices of more subtle bodies. This process is similar to the process of sequential manifestation of each plan in our Universe due to the sequential folding of information of the more subtle plans that lie at

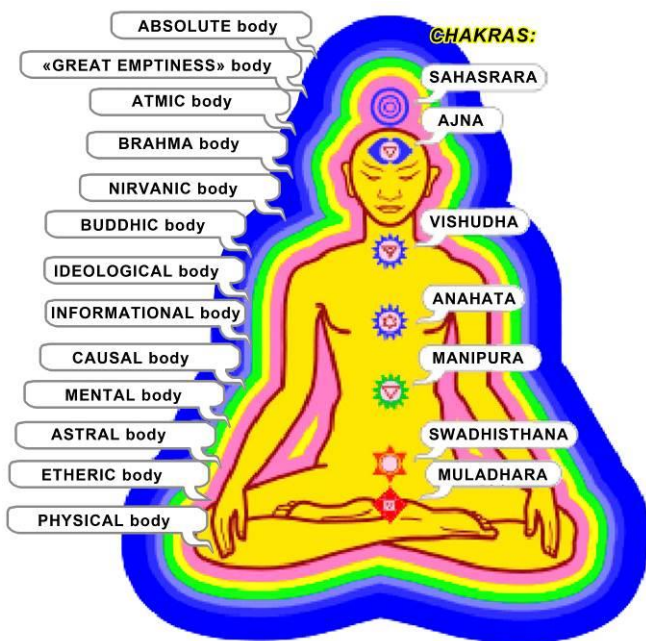


Fig. 9. Scheme of the multidimensional structure of a person

Finally, the most striking thing is that the physical body of a person (and other living beings) is a holographic image that is created by an informational holographic matrix (a system of subtle bodies) (Fig. 9).

If a person wishes, he can use his consciousness to change the properties of his physical body. As a result, a person gains superpowers. His physical body can maintain its integrity and not be damaged due to extreme physical influences. This fact is the basis of such phenomena as walking on broken glass, sharp nails, hot coals (firewalking), and so on. We train people to activate their superpowers at special seminars that are held in our spiritual center "Academy of the Spirit" (Fig. 10).

Studies of psi-phenomena show that psychics can influence informational matrices (subtle planes) by the power of their consciousness. As a result, the physical objects themselves change, since the matrices that underlie them have changed. To influence a material object (or subject), the psychic must "enter into resonance" with it. This setting is achieved if the psychic enters "the state of unconditional Love" and creates from his *Heart*, not from his mind. In terms of Drunvalo Melchizedek, this is called "conscious creation from the Heart" [11].

The center of the "Academy of Spirit" has developed its own method of entering the inner subtle worlds of a person through *altered states of consciousness* [6, module 1; 12]. Using the power of their consciousness, any person (not necessarily a psychic) can change the physical reality not only of the present time, but also the events of their past and even the future. An important place in this method is occupied by preparation – purification of the entire human system and energy collection through rhythmic intensive breathing (so-called *Karmic breathwork* [13]). Karmic breathwork allows you not only to directly "breathe" energy blocks in the body, but also to change karmically significant events of the past if necessary. This leads to changes in the present and future of a person, their health and fate in general. In our practice, there are cases of changes in the papillary lines on the palms and even changes in the color of the eye irises. These changes occurred immediately after the breathing session or with some time delay (up to several hours and days) [14].

Changes in physical reality will be significant if you use the power of consciousness not of one person, but of a group of people who are united in collective prayer or meditation. There is a "hundredth monkey effect" [15]. This is the phenomenon of instantaneous distribution of a skill to the entire population, when a critical number of individuals who have mastered this skill are reached. Information about this skill is transmitted to all individuals telepathically – through a common field of Consciousness. No means of ordinary communication are used in this process.

its base (Fig. 8). The same principle works here: holographic matrices of subtler bodies give birth to holographic images of coarser bodies.

The perception, storage, and transmission of information in the systems of living beings are also based on holography. All the senses and the brain use holographic principles in their work [1]. The brilliant physicist and mathematician John von Neumann calculated that a person accumulates on about 3×10^{20} bits of information over the course of a lifetime. Storing such a huge amount of information is only possible if our memory uses holographic principles.

In all likelihood, our ability to instantly recognize familiar people is based on the so-called holographic image recognition. This method compares not the objects themselves, but the interference patterns from them, which do not differ significantly in the case of similar objects and are fundamentally different in the case of different objects [1].

We need to recruit a critical number of spiritual people who can "enter the Heart" and "create from the Heart". Such individuals, united in common meditations, will be able to change our reality to create harmony and peace on Earth. We conduct such planetary group works in our spiritual center "Academy of Spirit" [16, 17]. These are effective tools for harmonizing reality, since such works are conducted under the guidance of an Enlightened Master. Master Avesta is blessed by the Creator himself to help people and successfully cooperates with the Lords of Fate. As a result, Representatives of the Hierarchy of Light and the Heavenly Law supervise our planetary group meditations and other practices.



Fig. 10. The physical body is a holographic image controlled by the human consciousness.

Mentally setting the desired properties of your body, you can easily walk on broken glass (A), sharp nails (B) and even on hot coals (D)!

The body can also be set to preserve its integrity to knife attacks (C) and "fire rain" (E)

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