

The Spatial Physics. The Theory of Existence of a Three-Dimensional Spatial Grid

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Abstract Present to you my theory of concepts of space, and the theory of three-dimensional grid, consisting of a network of channels cavities. All matter and energy exist, interacts and moves only within these channels.

Keywords: *physics, space, energy, matter, three-dimensional spatial grid, 3D space*

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1. Space

In modern physics the term space (with s. [1]) is understood in general two senses:

1) The so-called common space, also called physical space is a three-dimensional space of our everyday world. This space, which is determined by the position of physical bodies, in which there is a mechanical movement, the geometric movement of different physical bodies and objects.

2) Various abstract spaces in the sense understood in mathematics without the customary ("physical") space. Usually there are some abstract vectors or linear spaces, however, are often equipped with a variety of additional mathematical structures. As a rule, in physics, the term is used in this sense, the space required to lookup the definition or addition (space bit rates, color space, the space conditions of States, Hilbert space, the space of spinners), or, in extreme cases, in the form of a nonbreaking word abstract space.

In the most sections of physics themselves are properties of physical space (dimension, unlimited, etc.) does not depend on the presence or absence of material bodies.

The exception is the general theory of relativity by Albert Einstein, which postulated that gravitational effects due to not force interaction, and deformation of space-time, which relates, inter alia, with the presence of mass-energy [2].

My theory is based on the concepts of space of the general theory of relativity of Albert Einstein.

2. My Theory of Concepts of Space

In my theory, the concepts of space, space is the place for existence, movement and interaction energy.

Conditional energy [3] can be divided into two types:

The first type is the energy that has mass; this includes all kinds of matter, molecules, atoms, electrons, nucleons, Baryons, leptons, Mesons and quarks.

The second form of energy is the energy that a lot does not have so-called vector interactions-photons, gluons, etc. is usually the first kind of energy is of the second kind.

Energy, which has a mass of, in particular, matter consists of the energy that a lot has not. As this energy has mass? Why energy is converted into matter, and gets the right to exist in the form of matter? The answer to these questions gives my theory of concepts of space.

To understand why there is matter consider the smallest piece of matter, the very building block of a building which is called matter. The smallest particle of matter is the Quark.

Quark—fundamental particle in the standard model [4] with electric charge, $x(e)/3$, and observed in the free state. Quarks are point particles up to the scale of approximately $0.5 \cdot 10^{-19}$ m, about 20 thousand times smaller than a Proton. From quarks are hadrons, in particular, the proton and the neutron.

Quarks have a lot, and as a consequence have energy, if you compute this energy; this energy is not comparable with such small sizes of quarks. As such a big boost of energy fit in such a small volume of Quark? And how this energy does not extend in all directions? The only constraint is the correct explanation around the Quark. Therefore, there is a force that can maintain the energy inside the Quark and does not extend in all directions. If there is anything but Quark around space, then this is exactly the space compresses the Quark energy to such an extent that this energy has mass, it is precisely the space does not provide energy spreads in all directions. From this:

1. The space also has physical properties, and as a consequence is a solid substance.

2. The space is absolute dielectric [5].

3. Matter can't exist without space.

4. This space displays our material world and gives her all the physical properties of matter.

Now there is a reasonable and legitimate queries if such firm as I describe in this article, as then the matter can move freely in the space in all directions? Here, too, may be the only correct answer. In space there are channels-free spaces.

These channels I called channels cavities. There's no space, no time and no physical properties. But the mere existence of these channels implies the existence of some of these channels inside the void, the absolute vacuum where there really is nothing.

Channels cavities are straightforward, on the simple basis that matter when inertia is rectilinear movement [6].

When driving, matter, tends to change the direction of its movement. It follows that the matter is able to change the channels for the movement. This is only possible at the intersections of these channels. Because Matter is able to move in any direction at the intersection must overlap by at least three channels cavities.

This at least I had based my next theory-the theory of three-dimensional grid.

At the moment, scientists cannot yet explain why quarks are naturally grouped into three so-called generations. In each generation a Quark has a charge of $+2/3$, and the other is $1/3$. My theory is the notion of space is the answer to this question.

If a closer look at the intersection of the three channels, it will look like a star with six rays (Figure 1), this is the place I called connect.

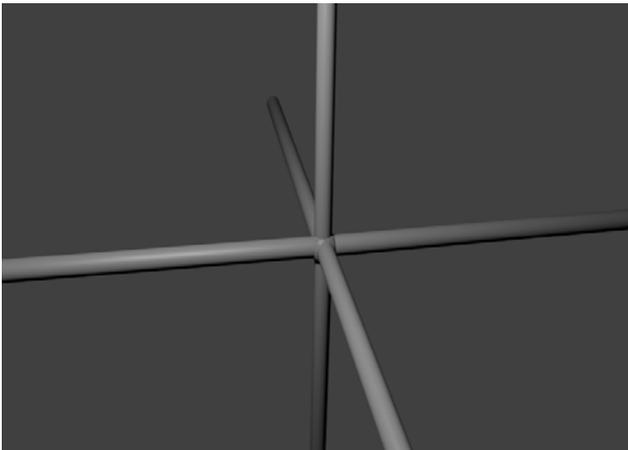


Figure 1. Location

Starting from the ancient times until today, the six-pointed star (Hexagram, a star of David) was attributed to magical and religious meaning, in particular, according to the interpretation of Rabbi Elijah Essays, this sign symbolizes the 6 days of creation and reflects a model of the universe [7] and this, in my opinion, too, is important.

The locations, at the intersection of the three channels, the channels are divided into six equal pieces, those pieces I called segments.

As the channels have some amount of emptiness, in the center of the intersection of these channels is much, much greater than the volume inside the channel. This volume of emptiness I called the cell.

One location can accommodate a maximum of six quarks. Quarks are in opposite parts of the cell, and in fact, in one channel, and will be the generation. The cell will divide a single charge (a bunch) of energy, within a single channel into two up quarks and one down Quark will have

a charge $+2/3$, and the other is $1/3$. Two up quarks (generation) is a product of the separation unit of space of a bunch of energy in one channel space, so the quarks cannot exist in the Free State.

3. My Theory of Three-Dimensional Spatial Grid

Our world, in which there is our fabric, is three-dimensional.

3D makes it in 3D space, spatial grid, consisting of a network of channels cavities, which are located in the parallel and perpendicular to each other along the length, height and width.

At the intersection of these channels are so called cell cavities. All of this together creates a picture of a symmetrical spatial lattice consisting of channels and cell cavities.

The space itself is an insulator and all matter and energy in our 3D world, interacting and moving only within a three-dimensional grid of channels. This is the basis of all interactions of matter and energy in our three-dimensional world.

Three-dimensional lattice without matter is a proper symmetrical geometrical grid (Figure 2).

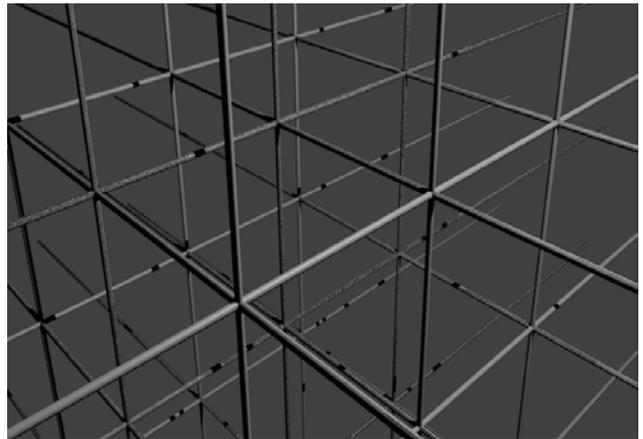


Figure 2. 3d spatial grid

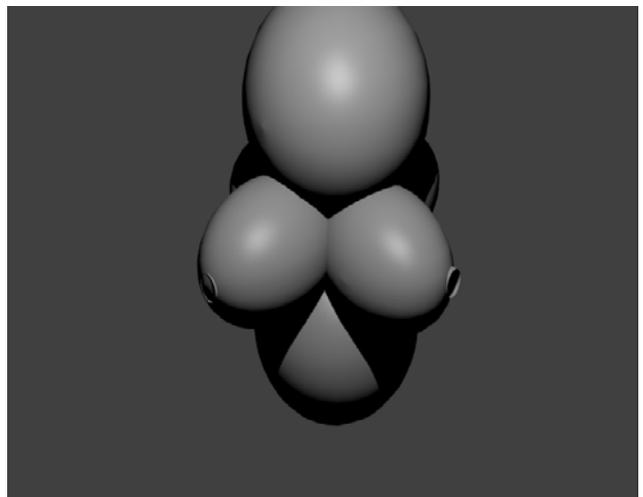


Figure 3. Location and Quark 6

3.1. Fabric

The matter, as it is, cannot exist without space, it was under the influence of space matter acquires all its physical properties.

In fact, matter is a clot of energy canned the channel space.

In one segment fitting, only one Quark.

In one location (Figure 2) can fit no more than six quarks (Figure 3). Quark, a segment that extends its internal volume, shortens in length, and thus attracts two adjacent locations to each other. Therefore, the existing matter alters the spatial symmetry of the lattice.

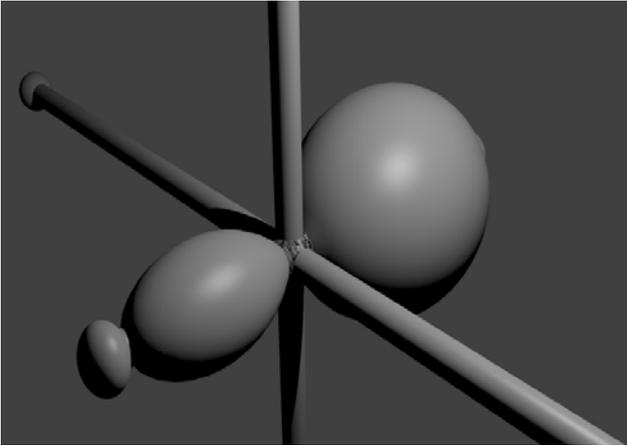


Figure 4. Two up quarks (Gen)

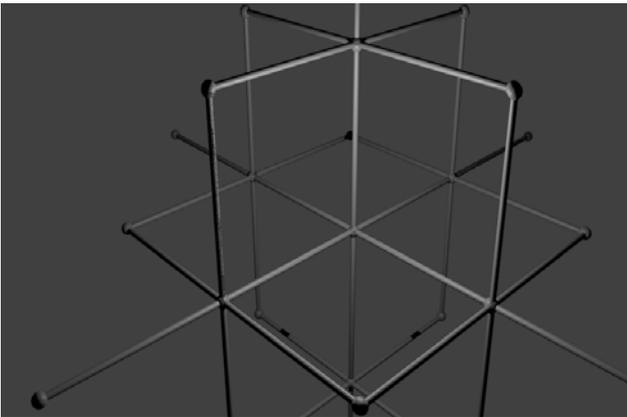


Figure 5. Neighboring locations without matter

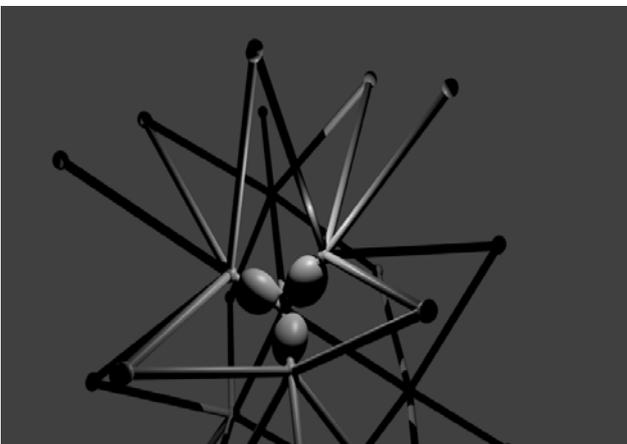


Figure 6. Neighboring locations changed matter

Figure 5 shows the neighboring locations without matter, Nand Figure 6-adjacent location changed matter.

Changes of spatial lattice, which creates a fabric cover considerable distances and are one of the main factors of gravity.

3.2. The Emergence of Matter

For the emergence of matter requires two conditions: the first is filling and increasing the internal volume of the segment, and the second interaction based on polarization with a clot of energy.

Let us consider these conditions.

Completion and expansion of the segment occurs when the path of energy flow occurs. This may be a headwind or side stream of energy. Obstruction occurs in a cell (three channels) when it faced simultaneously from three (two?) up to six streams of energy.

Different polarity and mind, energy flows, filling the segments increases the internal volume of the segments directly they interact on the basis of polarization through the next few segments, and cells, and thus they are preserved, excluding further dispersion of energy. Quark, increasing the internal volume of the segment, shortens its length and expands space. Thus acquire mass.

3.3. The Movement of Matter and Energy in the Space

Motion of matter in space changes the space between matter are not instantaneous, need some time to pass these changes on the distance, they are spread with the speed of light and that is why space is the speed limiter as for matter and the speed of light.

Matter and energy move in space just inside the channels cavities (segments) of the spatial lattice. The most important aspect is to move the cell property of the spatial lattice.

Cell (intersection)-quite interesting and original place. Inside there is a volume of emptiness, absolute vacuum, there's no space, no space, no time.

Therefore the speed of energy in the cavities will be instantaneous.

The energy of matter in space is the instantaneous speed and presses forward, the direction of movement is about, clear opening segment, while retaining, (which is a lot important) direction. Together with matter moves the power of communication through the next segments with other clots, excluding energy dissipation of energy. This force is instantaneous speed goes to the inner segment and expansion on its offset.

If, for example, consider the direction of the photon, it will move absolutely straight back scientists who see it as wobbling of the spatial lattice on the path of a photon.

3.4. Structure of the Atom

Atom [8] is a collection of groups, energy clot, interconnected by polarization. The interaction between the clots of energy or between groups on the basis of the energies of the clots polarization comprises two types.

The first kind of interaction is multiplayer, it goes through the next few segments, and cells, the second look this pushing away, and he passes through the long segments of the cell and the locations where the atom is. Under the influence of these forces have an arched form

segments by the cyclical nature of such interactions, and acquire certain energy.

The second type of interactions (repulsion) gives rise to the notion of an electron, and an electron can be thought of as the result of the interaction of repulsion between the groups' energy clots.

Oddly enough interaction repulsion also increases the strength of attraction between energy clots. This is because the interaction strength repulsion between energy clots is not directly in the vicinity of these clots, and through neighboring side or the next location. This ARC interaction prevents removing clots energy from each other.

My theory of spatial grid does not preclude the existence of other spatial grids, side-by-side in our current space. The structure of space is such that it could fit a few spatial grids, channels which do not intersect, so that between them there will be no physical interaction.

3.5. Images

Drawings are done figuratively and are not definitive on the value of the.

4. Time

The essence of space still little explored. An important property of this substance is time [9].

Space without time will be absolutely solid substance [10].

The current of time gives a throughput of matter.

The bandwidth of this value that specifies the maximum speed of matter in this space.

The throughput of our space with our time is limited to the value of the speed of light. So you can measure the value of the speed of light for this space.

4.1. Light Speed

At the moment it is considered that the speed of light in a vacuum is a fundamental physical constant. By definition, exactly equal 299792458 m/s, or 1079252848.8 km/h. Accuracy value is related to the fact that since 1983, the meter in the international system of units (SI) is defined as the distance that light travels in a vacuum during a time interval equal to $1/299792458$ seconds [11]. So the scientists not to themselves torment yourself with unnecessary problems and issues in this area they have made a binding value of the speed of light to the meter.

In fact, the same speed of a photon is directly dependent on the degree of density (tense) of space through which it passes, and evens the direction of movement. For example, if at the same time put experience on the measurement of the speed of light of two identical distances, with the only difference that in one case, the distance will be horizontal and the other vertical, the speed of light is different. In a vertical position, the speed of light will be less because of the stress of space around the Earth.

The testimony also will influence the time of day and even the time of year, due to the rotation of the earth around its axis and around the Sun.

4.2. Course the Time

The course of time characteristic only for matter and energy move speed. In different parts of space over time for various disciplines can also be different. That depends on several factors.

The first factor is the degree of stress space in and around the matter.

The second factor is the degree because of space.

The third factor is the rate of motion of matter in space.

Human perception of time occurs, because of attachment to human consciousness to his body, that is, of matter, so they are synchronized. If this relationship is weakened or disappear, for example, when a person sleeps, the feeling of time changes dramatically, for 1-2 seconds sleep a human conscience can live in ten times longer than its body.

4.3. Terms

I have used terms:

Segment-cut channel from cell to cell, place the existence of matter.

Cell-suppression of three channels has a certain amount of emptiness.

Location-cell with six segments has the shape of a star with six rays.

Void-the absolute vacuum

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