

## Unity of Matter and Spirit

Research carried out in the past century has shown that the quantization of energy is completely indisputable (Max Planck). This fact also points to the possibility of the energy density quantization (which implies a kind of "space" quantization), expressed through the existence of "stable" objects.

Thus, the EDQ Model is a direct consequence of the postulate on quantized energy densities, or "temporalization of space". According to this Model, the universe consists predominantly of "Stable Objects", whose "length of life" is long enough in relation to a period of their formation (galaxies, ... proton, photon ...). Mathematical analysis has shown ([1]) that they all exist in a some kind of "resonant" state in which the energy of a "stable object" and a part of the space it fills is in a precisely determined relationship. It is always manifested by:  $M \sim R^{2n}$ , where  $M$  is the mass of a "stable object",  $R$  is its radius that is real for corpuscular or fictitious for wave phenomena (mass => Louis de Broglie ...), and the coefficient  $n$  is Natural number. The established relationship is the same for all objects on the entire scale of sizes - from the grandiose Universe as the "highest" "material" and "lowest" "spiritual" phenomenon - through a series of Macro-Universe objects, then nuclear particles from Micro-Universe and "spiritual" objects, from the Hyper Universe ("Idea area") - to the Supreme Spiritual Absolute - the subtle-energy phenomenon of the "lowest material" and "highest spiritual" level.

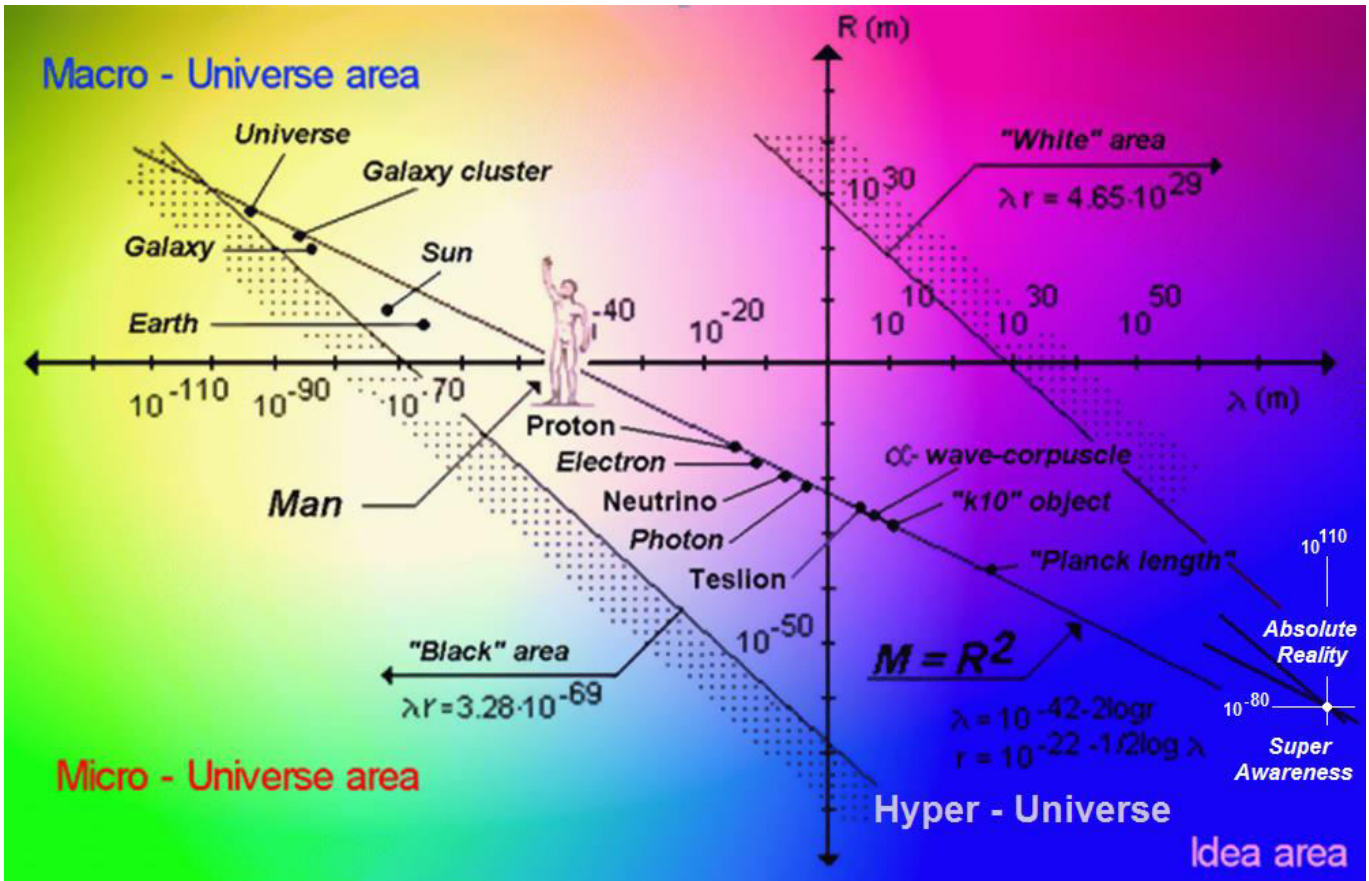


Figure 1: "Space-Energy" Diagram

### The basic postulates of the EDQ model [1]

- the density (energy,  $mc^2$ ) of a stable object is  $\rho_k = 10^{3k}$ , where  $k$  is an integer,
- for the first level of quantization, the mass of a stable object always has a value proportional to the square of its radius  $M \sim R^2$ . (For higher level of quantization  $M \sim R^{2n}$ ,  $n \in P$ ),
- the maximum possible speed of the object with real rest mass (for us as observers) is:  $v_{\max} = (1 / \mu_0 \epsilon_0)^{1/2}$ , where  $v_{\max}$  is Maxwell's coefficient, the theoretical value of the speed of light in a vacuum that have a slightly higher value than is experimentally measured ( $c$ ).

## The consequences of the introduced postulates are:

- The speed of light becomes attainable to corpuscular objects with real rest mass. What's more, they can exceed the value of the experimentally measured light velocity ( $c$ ) without achieving its theoretical value ( $v_{\max} =$  the original value of Maxwell's constant:  $\beta = 3 \cdot 10^8$  m/s [1]).
- Since the speed of light is attainable to corpuscular objects having a real rest mass, the particle mass can be expressed through L. de Broglie's equation as a wavelength function in the range of speeds that includes the speed of light. Now Planck equation for the energy of the object from the radiation domain  $E = h\nu$ , becomes fully compatible with the Einstein's expression for the total energy of the corpuscular object:  $E = mc^2$ . Since  $c < v_{\max}$ , Lorenz's coefficient is not infinite so the mass has a finite and completely real value, which is:  $m = m_0 / (1 - c^2/v_{\max}^2)^{1/2}$ ,  $v_{\max} = \beta$ .
- The fact that expressions for the energy of a corpuscular and wave form of object are quite identical indicates that the energy content of the objects, to which this equations relate, is exactly the same - so - it turns out that it is not some "adequate", but exactly the same (but differently seen-measured) object. The same object moving in the range of "sub-light" speeds ( $v < c < v_{\max}$ ) expresses itself as a particle of certain dimensions and mass, while in the range of "over-light" velocities, where  $c < v < v_{\max}$ , it is expressed as the electromagnetic wave, of certain (corresponding) wavelength. The maximum possible speed ( $v = v_{\max} = \beta$ ) the object reaches just in infinity.
- Every minimal energy, i.e. the minimal frequency of a given wave range, corresponds to the maximum energy of a particle, i.e. its Compton's wavelength. Therefore, there is an analogy between (number of) qualitatively distinctly different types of radiation and (number of) basic stable particles whose properties, of course only approximately, can be determined based on the detected radiation and vice versa.

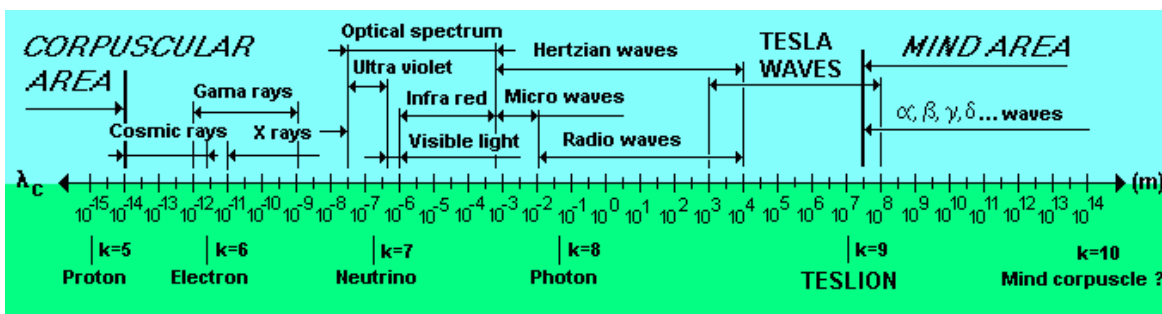


Figure 2: EM spectrum in EDQM

## Considerations of space-time-energy structure

The solutions offered by the EDQ Model as "expected values" are not precise, but having in mind that observed relationships relate to the huge dimensional scale and the extraordinary complexity of the space-time-matter structure - they are still fairly correct. In any case the Model offers us a quite **realistic** expected values even in those areas where official science does not have any (or adequate) answer or gives it in the form of some hypothetical phenomena (quark, dark matter ...). A very special curiosity is a fact about the great coherence of the basic postulates of the Model with a series of various metaphysical and esoteric knowledge and especially ancient Vedic teachings [4].

In this Model, local deviations from the global homogeneity of the Universe, expressed as discontinuity in "space" (planets, clusters of galaxies ...) completely correspond to discontinuity within "time" (precession, human life, day, Yuga cycles, Brahma day ...). Substance-wavy part of Reality is closer to our experience, because we can perceive it, at least partially, through the senses and measure it with existing devices and that is why this segment of Nature is well studied and described by scientific theories. This part of our diagram (Fig.1) is covered by the II and III quadrants, that is, the areas of the macro and micro world, roughly to the level of "the last, the smallest bricks" of our world: electron, neutrino particles and photons, which - according to the EDQ Model - corresponds to the quantum levels  $k = +6, +7$  and  $+8$ , respectively. Nevertheless, the largest segment of Reality covered by the fourth quadrant, the domain of hyperspace, in which are located objects from the spiritual aspect of our reality,

still evades scientific thought and is expelled in the field of metaphysics, religion or even in the field of esoterism.

What makes the **EDQ Model** different from all currently valid theory and cosmological models is that it **encompasses all possible forms of existence, describing them with exactly the same parameters, whether they are particles, waves or spiritual phenomena**. This fact is of a great importance for further and deeper understanding of the world in which we live, because the Model offers us possibility of comparing them and establishing appropriate correlations.

It's really amazing - but it is of the utmost importance for science - that the performed mathematical analyzes indicate the complete correlation of the parameters that characterize certain objects of the corresponding level of quantization (k) from the domains of the II and III quadrants, whose values are based on scientifically verified sizes and methodology, with the "spiritual" phenomena of the IV quadrant, described in ancient teachings, which are considered as pseudo-scientific.

Namely, in accordance with a multidimensional structure of Reality, implied by the Model, it is possible to make **certain transformations of space-time categories** by "mapping" a series of objects in the macro and micro world area, which we know well, to the less-known area of the IV quadrant and join them appropriate objects from that domain. In this way - the concepts of certain corpuscular, i.e. wave, objects from (well-known to us) areas of macro and/or micro-universe (galaxies, stars, molecules, protons, radio waves ...) - can be associated with a corresponding objects from the spiritual aspect of our Reality, i.e. certain levels of consciousness (various astral-mental forms, ..., archangels, deities ...) and significantly increase the "resolution" of our vision of the whole Reality!!

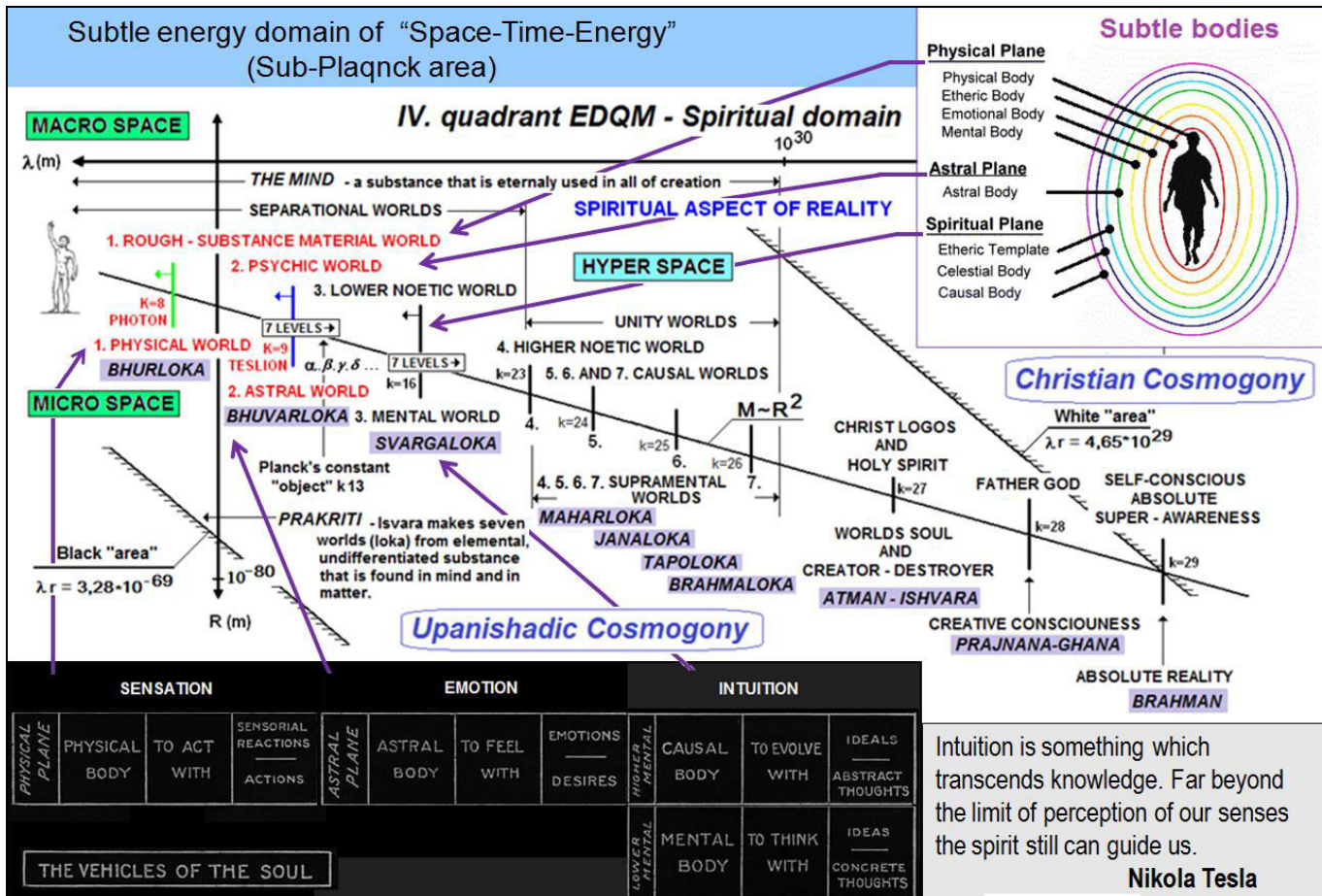


Figure 3: The Spiritual Aspect of Reality

Reality, true, higher Reality, which the EDQ Model implies and which currently evades the classical-scientific theoretical thought, implies the TWO "simultaneous" (synchronous) process. One is the process of "Creation" according to the Christian tradition, or "Brahma Exhalation", i.e. the transformation of "Purusha" into "Prakriti" according to the Upanishad cosmogony, or - in the terminology



of the Model - the process of Spiritual categories materialization described by our "line of growth and the development" of "Stable Objects" from "inside" to "outside", from the "white hole state" ( $k = + 29$ ) to the "Black Hole state" ( $k = -11$ ). In the Space-Energy Diagram (Figure 1) this is the "way" from the bottom-right to the top-left on the "growth and development line":  $M \sim R^{2n}$ . Classical science knows only one part of this process, that is, the "material" segment of Reality that corresponds to the term "physical world" in the Upanishad or "The rough-substance material world" in the Christian cosmogony and to some extent is analogous to the "Big Bang" theory.

The second part of the same Reality, partially accessible to us - but completely out of classical-scientific thought, now classified into the esoteric region, is a simultaneous but inverse process - the dissolution of a substance in its more subtle forms and evolution into higher levels of consciousness or, according to the Vedas, this is "Brahma Inhalation"- the transformation of Prakriti in Purusha – i.e. creations of (higher and higher) spiritual categories ...

Here's what H.P. Blavacka says about it, The Secret Doctrine, Kosmogogenesis, Stanza 5:

*"The doctrine teaches that in order to become a divine, fully conscious god, - aye, even the highest – the Spiritual primeval INTELLIGENCE must pass through the human stage. And when we say human this does not apply merely to our terrestrial humanity, but to the mortals that inhabit any world, i.e. to those Intelligences that have reached the appropriate equilibrium between matter and spirit as we have now, since the middle point of the Fourth Root Race of the Fourth Round was passed. Each entity must have won for itself the right of becoming divine, through self-experience. ... Unconscious evolved the Universe only in hope of attaining clear self-consciousness of becoming, in other words, MAN ... This explains also the hidden Kabalistic meaning of the saying: "The Breath become a stone; the stone a plant; the plant an animal; the animal a man; the man a spirit ; and the spirit a god."*

So, it is quite obvious that H.P. Blavacka messages fully agrees with the structure of the "Matter and Spirit Unity" according to the EDQ Model.

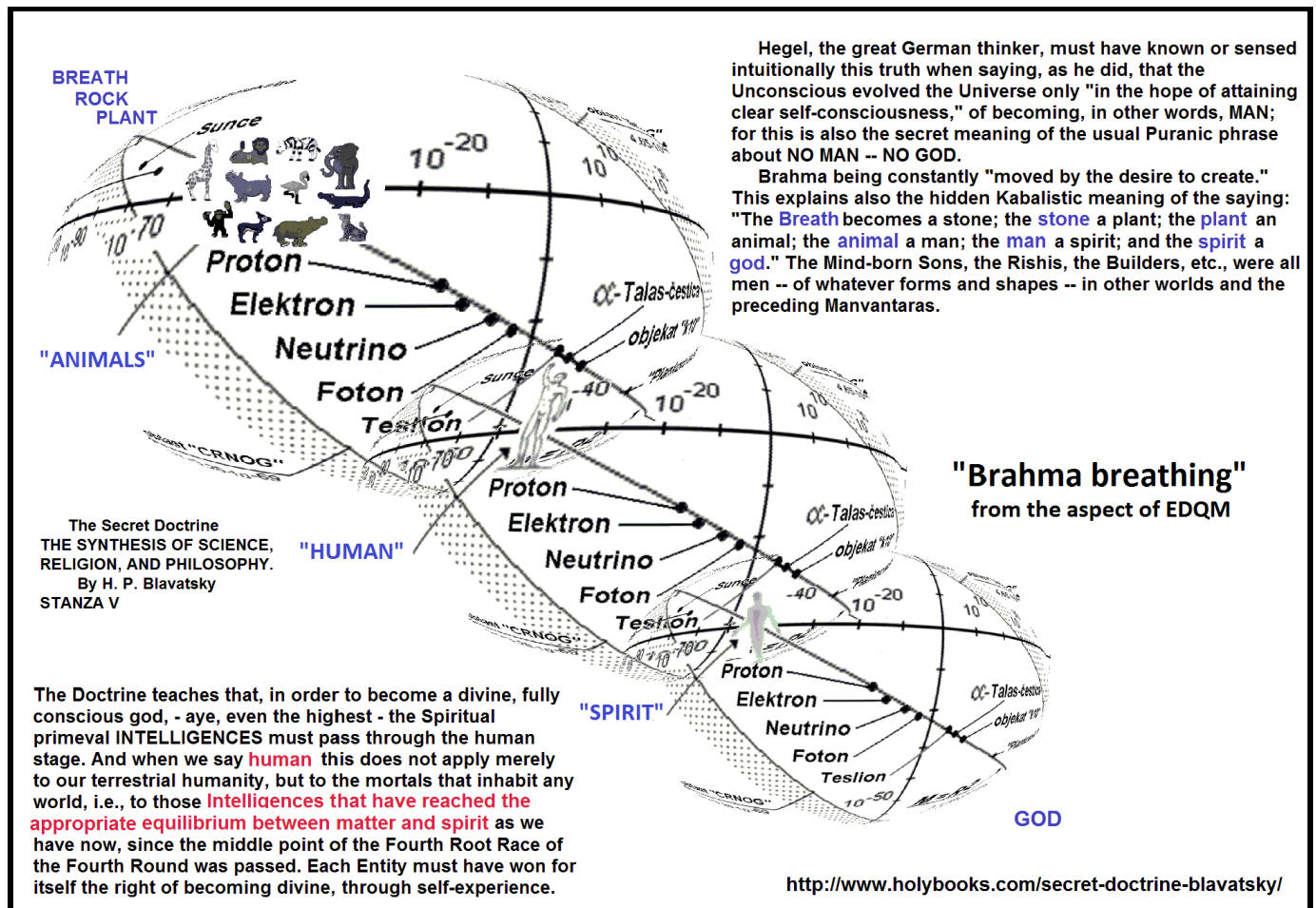


Figure 4: Synthesis of Science, Religion and Philosophy of H.P. Blavacka from the aspect of EDQM

Nevertheless, the EDQ Model offers us much more details for the phenomena from the "spiritual" aspect of reality, described by the same parameters of contemporary physics as those from the "material" segment.

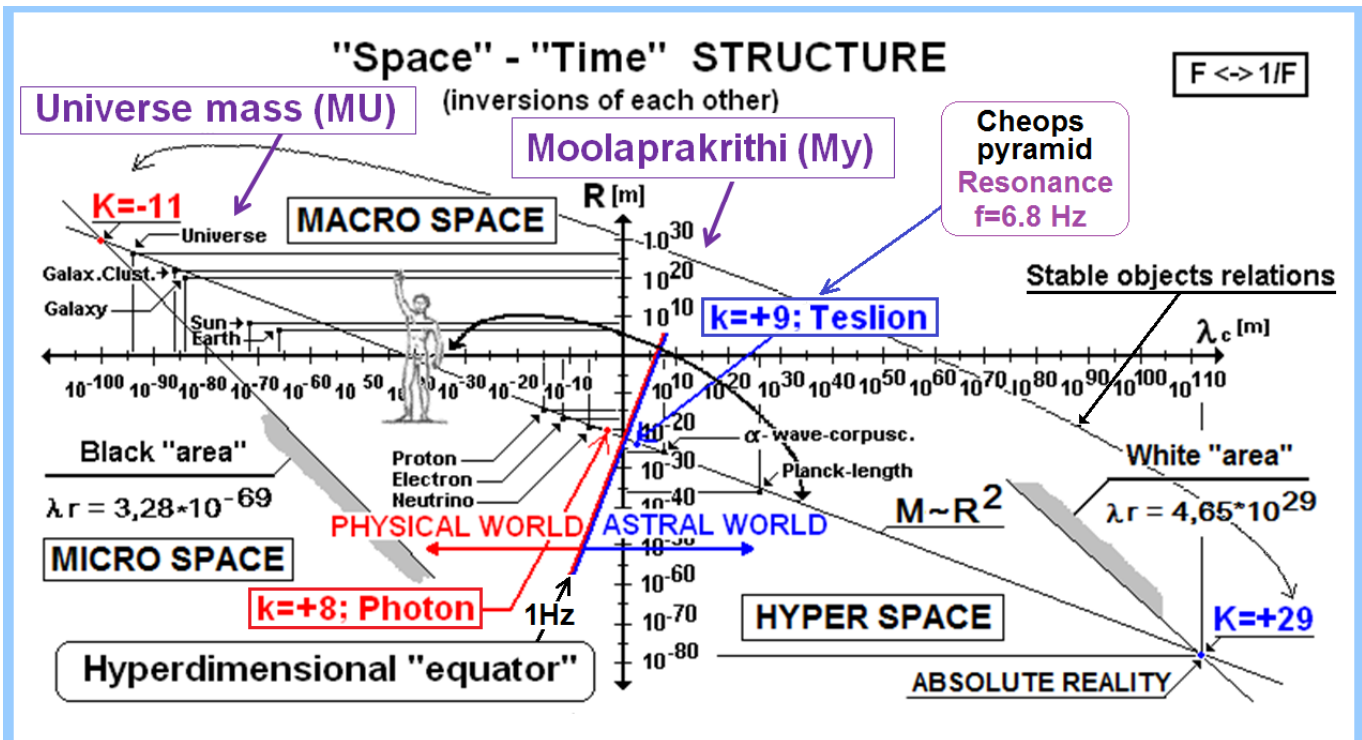
Protons, atoms, planets, stars, galaxies and even the universe are only progressively larger cosmic bodies of less and less energy density than those in the domain of micro or hyper-world (the domain of spiritual entities and consciousness). Hence, the hierarchy of all stable objects is predefined by their (energy) density. Actually, it is a fractal series of material bodies that "grow" and "evolve" ("Creation"), one from the other (from "inside" to "outside"), where (Stable) objects of a higher level of quantization (actually a higher level of consciousness), are "spiritual phenomena" of lesser and lesser "sizes", but with increasing energy density. In this way, they represent **energy matrices** (multi-dimensional vortices) by which objects of a lower level of quantization (lower level of awareness and a higher level of "materialization") are formed, and which are increasingly larger "dimensions" and less and less energy density. The substance is actually a "conglomerate" of "condensed" consciousness, that is, "condensed" emotion (k=9) and intuition (k=10), essentially "diluted" "Aether" ..., whereby the substance and the consciousness are inverse categories (conditionally speaking). What the EDQ Model points out is the fact that there are "particles" below the level of permanence of this world and the forms of matter currently known to science. At present, these are neutrino particles (k=7) and photon (k=8), while "more subtle phenomena" such as quarks and others from the "quantum vacuum" domain still are just hypothetical objects. So the ideas of Dr.N.Kozyrev, Dr. K. Volkamer ..., about the existence of some subtle, non-gravitational and non-electromagnetic energies possessing elemental consciousness - is quite realistic in our Model – wherein it offers the expected values of the corresponding parameters (mass, diameter, frequency).

The matter we know is created from moment to moment (time) and from point to point (space) as a spiral standing wave, or (etheric) vortex in a physical vacuum. The substance is a condensed center of these vortices (Walter Russell), spiral flows of subtle energy, which in our lower-dimensional world create the illusion of separate particles. Their general and undoubtedly interconnectedness through their "mirror image" - wave (vibration) packet of various forms of energy, escapes our senses and measuring devices. In this sense, matter is the illusion of strength, stiffness and separation. Eastern spiritual traditions have always claimed that our world is Maya - an illusion. In this way, they actually told us that separation does not exist, that on the fundamental level of existence there is only Oneness - that is the Oneness of Brahma.

In our EDQ Model, this idea is expressed as the **Unity of space-time-energy** in which ALL THAT EXIST is here and now – always. In modern physics, this is also experimentally verified and expressed by the term "Quantum entanglement", according to which two particles that are separated after physical interaction and then arbitrarily removed - simultaneously (currently) change their quantum mechanical states ... Otherwise, numerous researchers have experimentally confirmed the possibility of instantaneous intergalactic communication using non-electromagnetic and non-gravitational signals [2].

Based on the observed laws and on Model postulates in the form of very simple mathematical relations it is possible to define the corresponding matter-spirit "couples", i.e. establish a correlation between the corresponding levels of quantization (in the esoteric: metaphysical densities or levels of awareness). Hence, any Stable object of the Unity can be directly linked to its "inverse" form of existence, whereby the Model offers us all scientifically relevant data, i.e. "expected" space-time-energy parameters for both phenomena - which is a huge contribution to the understanding of the spiritual aspect of reality.

The first, initial calculations have shown that objects from the boundary area of the micro-universe and hyper-space are "mapped" to each other. Namely, **at the space-time-energy "position", corresponding to some kind of "Hyperdimensional equator" of the higher Reality, "are located" Photon (k=8), quantum carrier of "Hertzian" EM interaction and Teslion (k=9), quantum carrier of Tesla's Non-Hertzian waves.**



Secret Of Sankhya: Acme Of Scientific Unification The Sankhya Karika

<http://www.kapillavastu.com/>:

Maximal interactive count value manifested as Universe Mass (MU):

$$MU = 7.8e52; \Rightarrow f_{MU} = MU \cdot c^2 / h = 1e103 \text{ Hz}$$

The smallest unit of cyclical activity, unmanifested but real existing, Moolaprakrithi (My):

$$My = Kx/c^6 = 1.344e-51; \Rightarrow f_{My} = My \cdot c^2 / h = 1 \text{ Hz}$$

Figure 5, "Matter - Spirit" Reality

Looking at the energy-space diagram of stable objects (Figure 1) in its all-inclusive form, shown in Figure 5, we can see that - in the middle of the "way", "trajectory", line of growth and development ..., between the "Absolute Reality" (k=+29) and "Universe" (k=-11), the ending-starting "points" of eternal transformations, that is, the mutual-inverse "conversion" to one another - are positioned "Stable object" k=+8, Photon - quantum carrier of the so-called Hertzian EM wave, and "Stable object" k=+9, Teslion - quantum carrier of the Tesla Waves [3]. Hence, "Position" that corresponds to the point of intersection of "M~R<sup>2</sup> line" with the ordinate can be associated with the term "space-time mirror" as a kind of "boundary area" in which temporal categories are transformed into spatial, and spatial in temporal or - simpler - "Spiritual" into "material" and vice versa.

It is very interesting fact that the model in its essence corresponds completely to ancient Veda descriptions of the world. According to texts in Bhagavad-Gita, which is accepted as the essence of Upanishad: "... With the start of Brahma's day, this multitude of living creatures is created, and with the arrival of Brahma's night, they are all destroyed ... Destruction of the material world happens in two ways. Partial destruction of the world occurs every 4,300,000\*1000 sun years, or at the end of Brahmalo, which is the highest planet of the material world. During this partial destruction, the highest planets such as Brahmalo are not destroyed, but at the end of every period of 4,300,000\*1000\*2\*30\*12\*100 sun years, the entire cosmic manifestation sinks into immaterial body..." One can note here that the terms "space" and "time" are treated as completely equal, serving to describe the same reality, which we "western people" can only wonder at (and admire it). The destruction of the material world mentioned in the passage should not be taken literally (which is possible as the sentences are taken out of context of the original text). According to Hindu eschatology the Universe and the circle of its re-creation completely

correspond to the individual circle of periodic transfers of the soul, so during the "great break up" the entire Universe is completely emptied, and only Prakrti remains (original indifference and immobility of matter) while the original spirit Purusha draws all souls into itself. After this a new cycle begins. Out of Prakrti a new Brahman appears to create a new world, and the original spirit Purusha and all souls are resurrected (...). The similarity to our model isn't just qualitative. If we calculate the time between one "birth" and "destruction" of the world ( $4,300,000 \cdot 1000 \cdot 2 \cdot 30 \cdot 365 \cdot 24 \cdot 60 \cdot 60$ ) we get the figure of  $9.76 \cdot 10^{21}$  seconds. It is almost fascinating that the time of one period (or oscillation) of Eternal Oscillating Universe has been estimated at 100 billion years, which is  $3.15 \cdot 10^{21}$  seconds, which corresponds amazingly precisely with the "duration of one Brahma's life"...

The reality is quite undoubtedly multidimensional and all the problems of classical-scientific thought arise from an inadequate description of the actual essence of space-time. It can be understood only by considering multidimensional, non-Euclidean (curved, Riemann's) structures ("Three-dimensional Time" [17]). Since all time categories are understood only indirectly and "descriptively" through some other terms that are much more familiar to us. So I used the terminology of P.D. Uspensky / G.I. Gurdjieff ("Time" as the inverse-oppositional structure of "space", [18]).

Pyotr Damjanovich Uspensky, mathematician and philosopher, is the most famous student of great Russian mystic G.I. Gurdjieff who has had a powerful influence on many contemporary mystics, artists, writers and thinkers. As an illustration of the limitations of our minds in meeting with great ideas, I quote a part of the text from the book "New Model of the Universe", P.D. Uspensky<sup>1</sup>:

*"The world is a world of endless possibilities. Our mind follows the development of possibilities always in only one direction (G.M: linear time, 1st dimension of time). But, in essence, every moment contains a very large number of possibilities. And all of them are realized (G.M: 2nd dimension of time), only we do not see it and we do not know about them. We always see only one of realizations, and in this lies the poverty and limitation of the human mind. But if we try to imagine the realization of all possibilities of the present moment, the next moment, and so on (G.M: 3. Dimension of time), we will feel that the world is endlessly growing, constantly multiplying and becoming immensely rich and extremely contrary to a flat and limited world, presented up to this moment. Imagining this endless variety, we will feel for a moment the "taste" of infinity and we will understand how inappropriate and impossible is approach to the problem of time with earthly criteria."*

I am sure that such thoughts can help us a lot in understanding the messages of the ancient, fully supported by the KGE Model ([1], [17], [18]).

It is more than interesting - and quite obviously - that the **position** of this "**Hyperdimensional Equator**", the "boundary" domain between "spiritual" and "material" forms of existence is exactly at the "site" corresponding to the **1 Hz** frequency - **the heartbeat of the human heart** ! It is even more interesting that this position "**Central position of Creation**" corresponds to a Vedic phenomenon called "**Moolaprakrithi**" [4] which represents: "**Root or origin of nature; primary cause or originate; original root or germ out of which matter or all apparent forms are evolved**". Truly fascinating !

The fact that the research of the Russian experts determines the resonant frequency of the Cheops pyramid of 6.8 Hz indicates the very specific purpose of that object - as "Energy Machines", "multidimensional resonators" - that is, an extremely sophisticated phenomenon in the cosmic energy flows hierarchy.

According to the Vladimir Yashkardin calculations [10], the Cheops pyramid is a very powerful vibrating-acoustic transmitter of infrasound<sup>2</sup> that generates a wide spectrum of frequencies of: 6.89, 7.65, 8.17, 9.19, 10.21, 10.77, 12.25 Hz with a basic carrier frequency of 12.25 Hz.

It is very interesting that the carrier frequency of 12.25 Hz and especially the lowest tone of 6.89 Hz can not be obtained if the whole structure of the pyramid was made of granite !!!

Namely, the phenomenon of "standing waves" (according to Tesla's "stationary waves" - its greatest discovery) implies the corresponding structure (propagation velocity) and the dimensions of the

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<sup>1</sup> P.D. Uspenski, "Novi model univerzuma", Metaphysica, Beograd, 2002.

<sup>2</sup> SCIROCCO Technical characteristics of Cheops pyramid: transmitter weight:  $4 \cdot 10^9$  kg; dimensions: 230x230x146 m; transmitter power generated by wind power "Scirocco": 2 MW; transmitter power generated by Coriolis force: 2 MW; carrier frequency: 12.25 Hz (at 20 ° C in the lower chamber); basic frequency of the stone resonator 196 Hz (closed) / 98 Hz (open) chamber.

medium (wave path) in which they form on the principle of affirmative interference of successively reflected waves.

I was very surprised by the information I recently find out - that the Cheops Pyramid was not constructed of the same material (granite) but has a complex structure.

Officially (Wiki), originally, the Great Pyramid was covered by limestone casing stones that formed a smooth outer surface; what is seen today is the underlying core structure. Some of the casing stones that once covered the structure can still be seen around the base.

The quality of the processing and the outstanding precision of „3D“ integration of these grandiose blocks are just a technological miracle - unclear to this day and for every respect of the technical knowledge and capabilities of its builders.

There have been varying scientific and alternative theories about the Great Pyramid's construction techniques. Most accepted construction hypotheses are based on the idea that it was built by moving huge stones from a distant quarries and dragging and lifting them with primitive tools (inclined plane, pulley) set them into appropriate place. The Great Pyramid of Cheops is estimated to comprise as many as 2.5 million stone blocks weighed from 1.3 to 10 tons, with an average weight estimated at 2.5 tonnes, carved in quarries more than 800 km away. The blocks are made of limestone, basalt and granite. For the King's chamber „special“ granite blocks weighting 40 to 50 tons were used!

Given that the Cheops pyramid was built in the Bronze Age, when the technology was very primitive - all the logical and mathematical analyzes of the construction of this really grandiose object that had been completed so far have not provided satisfactory interpretations.

However, the latest theories and research offer much more likely interpretations according to which the outer part of the Keops pyramid is made of CONCRETE (!) whose basic ingredient is limestone, the rooms and passes are made of granite, part of the plateau is made of limestone and part of basalt.

The biggest surprise is the idea that the Great Pyramid was built from - by all odds - PURPOSE BUILT material: Geopolymer concrete [11] !!!

This is another solid argument that supports the idea that (formal) explanations of how ancient Egyptians built their pyramids – are wrong. The idea of using concrete and the explanation given in [11] that this was done to avoid the problems of stones cutting, processing and transporting (especially granite) blocks - is logical and acceptable. Still - in my opinion - another possible reason from which the builders decided to use this structure were the **consciously planned purpose of this facility** and its purpose as a "multi-dimensional resonator" - which is the basic quality of each "ENERGY MACHINE"!

It is an indisputable fact that using only granite for the entire object of these dimensions – it would not be possible to get the lowest tone of 6.89 Hz because the propagation speed of the sound in that medium is 5950 m/s [12] - which would require far greater dimensions (the height, the size of the base), and therefore the amount of material, the weight ... for the same resonant vibration, but – in this way many existing relations and quantities that are now multiply of numerous cosmic values and constants (Earth-Sun distance, golden mean, first and second rainbow angle ...) would be disturbed and certainly "broken" its „coherence“ with the Earth, the Solar System, the Galaxy ...

According to measurements of the strength and sound velocity of concrete with various percentages of kaolin in direct, indirect and semidirection modes of propagation [13], maximum strength for the sample "FAK5" (geopolymer concrete with 5% kaolin) was determined, in which the propagation velocity was 3770 m / s , which is very close to the speed used by V. Yashkardin (3128 m / s) in its calculations of the SCIROCCO-Keops infrasound transmitter. The speed of sound propagation in the limestone is from 2218 to 3280 m / s , and in the basalt it is about 3000 m / s , which is also close to the value of V. Yashkardin velocity and fit perfectly into its considerations and calculations - which supports the possibility that this complex structure was consciously planned.

What's more, Nikola Tesla, one of greatest inventors of this civilization, by studying "stationary waves", in his experiments on the wireless transmission of energy through the earth, using his famous "Magnifying Transmitter" (the forerunner of the Wardenclyffe towers), determined the time of propagation



of the energy train pulse (velocity propagation) of  $0.08484 \text{ seconds}^3$  - which means that the **resonant frequency of the planet Earth - which Nikola Tesla used as a resonator** – is:  $1/0.08484 = 11.78 \text{ Hz}$ .

The fact that the resonant frequency of the Earth, measured by Nikola Tesla, is almost identical to the carrier frequency of the SCIROCCO-Keops infrasound transmitter (12.25 Hz) imposes the idea that basically it is about "devices of related purposes", that is, in both cases it is about "Energy Machines" whose function and operation is in line with the energy parameters (probably also the function) of the "Blue Planet" in the cosmic constellation !!!

Even more interesting is the fact that the lowest frequency of the SCIROCCO-Keops frequency spectrum of 6.8 Hz, according to the EDQ Model's postulates can be "transformed" into a substantial phenomenon whose weight is just 21 grams - which indeed is a real curiosity - because the scientific study published in 1907 by Duncan MacDougall, a physician from Haverhill, Massachusetts, based on his famous experiment [14] showed that the human soul has a physical weight whose average value is 21 grams !

Such a large number of coincidences unambiguously indicate the extraordinary controversy of pyramidal structures and the justification of the hypothesis about their purpose-built construction, as the „cosmic energy machines“ – but also as a very sophisticated subtle-energy mechanisms.

The fact of their vibratory compliance with the Earth at a frequency that is compatible with the quiver of the human soul allows the assumption of one more function, especially since the frequency spectrum 6-12 Hz is region that corresponds to the so called „Schuman's spectrum“, a set of extremely low electromagnetic frequencies in the Earth's electromagnetic field that strongly correlate with the spectrum of EEG brain waves. It is known to the medical science that the brain of a man emits EM waves, the so-called. "Brain wave", whose spectrum corresponds to his psychophysical state. Frequency waves from 8 to 13 Hz are called "alpha waves" and characterize relaxed state, visualization and related techniques of imagination. A lower range of frequencies of 4 to 8 Hz are "theta waves" that follow meditative states and emphasize the ability of intuitive or instinctual understanding that is the mode of communication with the „higher“ Reality that - according to Nikola Tesla - *"... transcends knowledge and can lead us far beyond the perception of our senses" ...*

A well-known fact to modern medicine - that appropriate mental states can be stimulated via the Schuman's spectrum generator - was probably also known to the pyramid builders. Still, the difference is really huge. Electromagnetic waves are transverse vibrations of the electric and magnetic fields, which is essentially, structurally, different energy form than sound, which are mechanical vibrations, longitudinal in nature, and as such require a ponderable medium for their propagation - which by its structure and physical properties predefines the form of propagating and especially of **stationary waves** that it forms. So, unlike EM waves, sound waves are structurally completely analogous to the term of Tesla's etheric longitudinal waves and is many more convenient to the "Teslion" phenomenon - a stable object  $k=9$  of the EDQ Model, placed on the "starting" position in the domain of the astral world (Fig.5). In short - the pyramidal objects of a very special construction, dimensions and structures like the Cheops pyramid support meditative psychophysical states, therefore states that allow easier communication with supernatural aspects of Reality and, most importantly, improve the introspection of the subconscious segment of one's own being-and allow correction of their rational beliefs ...

In addition to the previously presented ideas about the role of pyramidal structures as important elements of the cosmic Internet that enable almost instant intergalactic communication in the Universe (Dr.S.Osmanagić, [15]), pyramids become extremely controversial objects whose importance and role in general-cosmic energy flows becomes much more significant.

In the following section, we will show that these, quite controversial, ideas are not without foundation at all.

By realizing Reality as a "fractal super-symmetry of a dual, four-dimensional, toroidal, spiral" [9], that is, the phenomena of "time" as a structure completely analogous to the structure of "space",

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<sup>3</sup> In his : Canadian Patent 142 52, "Improvement in the Art of Transmitting Electrical Energy Through the Natural Mediums", Tesla says : "The most essential requirement is , however , that irrespective of frequency the wave or wave – train should continue for a certain interval of time, which I have estimated to be not less than 0.08484 of a second and which is taken to and returning from the region diametrically opposite the pole over the earth's surface with a mean velocity of about 471 240 km/sec ..." ( $= \pi/2 * c$ )

whereby they are "inversions" of each other, with the law of inverse-opposing "mapping" offered by the EDQ Model, enabling us to become acquainted with the world of "beings" from the IV quadrant area, "Hyperspace" domain – and actually a subtle-energy, spiritual, forms of "world of ideas" (Figure 6).

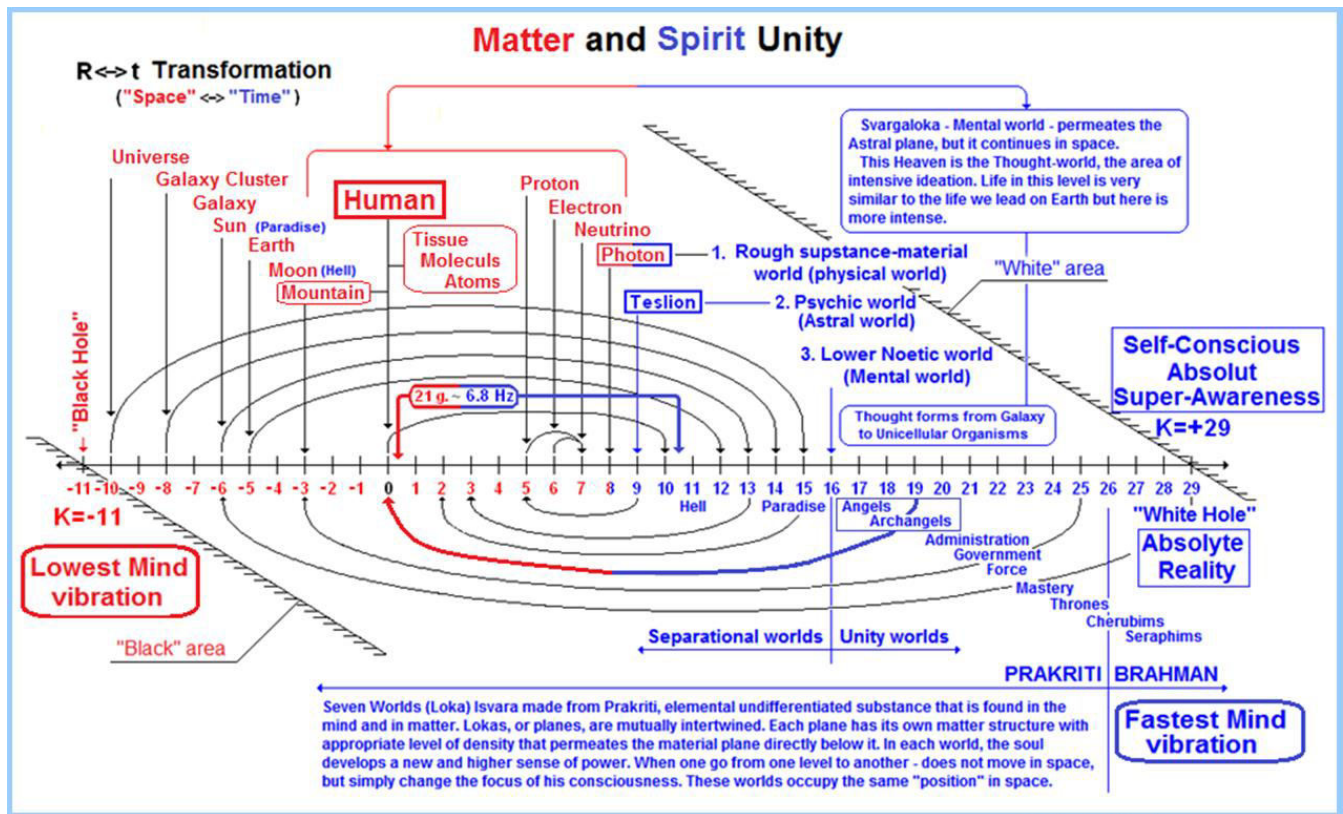


Figure 6, Unity of the Matter and the Spirit

By expanding of our observation focus and „moving away“ from the "central point" of "Creation" and observing the more and more massive objects of Unity, from microparticles via a "man", a planet, a star, and further - the analysis has shown that MATERIAL OBJECTS THAT HAVE AN EVER-INCREASING MASS BUT DECREASING ENERGY DENSITY (!?) ARE "MAPPED" IN THE "SPIRITUAL" OBJECTS OF EVER-DECREASING MASS, BUT INCREASING ENERGY DENSITY - that is, in the phenomenons of a higher (deeper) level of consciousness ! ...

The fact that, according to the EDQ Model, IV quadrant of energy-space diagram, i.e. the domain of hyperspace, encompasses the spiritual aspect of our Reality, my main motive was to find possible answers about the structure and form of this domain of Reality, which were reached in researches of consciousness.

Many practitioners of esotery in all religious traditions, without exception, personally explored and experienced the reality of the higher (mystical) state of consciousness. In mystical states, different people, followers of different religious directions and teachings, in different periods, came to the same knowledge, only described in a different way. Therefore, their experiences are apparently absolutely identical, with differences only in language and form of their description, or the terminology used to describe the same entities. Therefore, it is only a matter of choice (and of less importance) that I have decided to a comparative presentation of two esoteric traditions, one Eastern and one Western, Hinduism and Christianity, so I joined the „Stable objects“ from the domain of the IV quadrant "Space-Energy" diagram, postulated by the Model, to the corresponding "spiritual categories" from Upanishad and Daskalos cosmogony (pic.3, pic.6, [5]).

The "structural" and logical coincidence between these cosmogonies, and full agreement with the "Stable Objects" structure of our Model, can by no means be incidental. Even if one claims that it is a coincidence, it must be acknowledged that the EDQ Model has derived from calculations based on relevant scientific data and experimentally verified values in the field of astronomy and nuclear physics,

using valid theories and strictly scientific methodology. The obtained values are expressed in the "Space-Energy" diagram (pic.1). For objects from the "spiritual" aspect of Reality, our Model determines the "position" and "properties" of "Stable Objects" of the corresponding quantization levels (k) in that domain of Reality, whereby I think it is less important what kind of names we will attach to them. Much more important is the „energy content“ and the form of the given phenomenons and the fact that number of corresponding levels of quantization, i.e. of the „Stable Objects“ – is exactly the same as number of "spiritual levels", "Heaven", "worlds" or "Lokas" in the descriptions of the ancient cosmogony. In view of this - I am inclined to claim that this is a direct proof of the perfection of Nature in action! Wherever we go, whatever path of research we choose - we will encounter another face of one truth !!!

*Whatever has been interpreted, this Model is truly and absolutely unique because - for the first time in the history of science - it establishes a full correlation between well-known phenomena from the part of reality described in the valid theories of contemporary physics and its sophisticated mathematical apparatus- and those which are far less known and studied, metaphysical-esoteric phenomena from the spiritual aspect of our reality.*

*The model DOES NOT violate the existing theories nor a conventional-scientific view but upgrades it exceeding existing limitations. The magnificence of Physis, which natural sciences investigates, encounters here with the magnificence of the (divine) Logos in its essence, pointing through the processes of the endless assimilating one in the other, i.e. originating one from the other and merging one to the other - to the actual structure of the overall Reality. Such a view represents a very specific and unique quality in the history of human thought, so modesty should not prevent us from pointing it out.*

*Sladjana Batinic, Bachelor of Arts in Philosophy*

For the purpose of illustration, here we will - exclusively due to the volume of data - describe only a structure of "starting - ending" phenomenon of the "Eternal - Oscillatory Unity", with the remark that ALL the phenomena of the spiritual aspect of reality are completely analogous to its "mirror images" - phenomena from the material domain. A description of the complete Hyper-space structure (IV quadrant) is presented in [5].

By mastering the techniques of concentration and meditation, ancient yogis developed consciousness to the highest transcendent and transpersonal states, and experienced full spectrum of the external Universe, consisting of several intermediate levels called "Lokas". According to the Upanishad cosmogony, there is SEVEN LOKAS or levels, i.e. worlds that are mutually intertwined. Each plane has its own "matter" of the appropriate (energy) density ("denzity" in the esoteric), which permeates "matter" of the plane directly below it. In every world, every soul develops a new and more sense of power. When we move from one plane to the other, we do not move in space, but simply change the focus of our consciousness. Human beings possess different "vehicles" (bodies) that suit them and can function in different worlds. These worlds occupy the same position in space. Ishvara makes them from Prakriti, an elementary, undifferentiated substance that is located in both - in the mind and in matter. Prakriti is a consequence of Brahman, so Prakriti can not exist without Brahman. These two are eternally inseparable One. Prakriti is defined as the consequence of the power of Brahman, Reality. In other words, this illusion (Maya on Sanskrit) of objective spatial-temporal Universe is projected by Reality itself. Therefore, it follows that Prakriti and Brahman must exist at the same time, and that Prakriti, as well as Brahman, had no beginning and will have no end.

The highest Level or World, BRAHMAN (ABSOLUTE REALITY), in our Model is associated with the "Stable object"  $k=+29$ , in which "space-time-energy Unity substrate" takes the "White Hole" object form as one of the states through which "Unity" passes through its "development", or eternal movement ("oscillation") [1]. Brahman is the highest God, in his unmanifest and undifferentiated unity, which contains all the possibilities before divine creation. Absolute self-conscious intelligence in spaceless and timeless potentialities. It is inaccessible to human knowledge and understanding as long as we are grounded in the three lowest world manifestations ...

The last or the "lowest" Loka, the world or the plane according to the Upanishad cosmogony, is BHURLOKA, EARTH OR "PHYSICAL" WORLD. It is more than interesting that just this aspect of existence is associated with the "Stable object"  $K = + 8$ , which correspond to photons in physics by its

physical parameters. It is more than interesting and obviously quite non accidental - that to the notion of "Physical plane", that is, to the world in which we acquire knowledge of objects through the "jnana-indriya" or the organs of knowledge, that is, vision, hearing, touch, smell and taste - corresponds the photon - an unusual "particle without mass" (rest mass in physics). Photon, "particle", which exerts its existence both in a substance and in a wave form ... is the last physical, detectable and directly measurable "brick" of the material world, from which all the "larger" material phenomena continue: neutrino, electron, proton, atom, molecules ...

Along with the Upanishad cosmogony, we have also joined the corresponding structure of the spiritual phenomena described in the Christian Daskalos cosmogony to the "Stable objects" of our Model.

To the starting-ending "point" of Unity growth and development that corresponds to the Stable object  $k=+ 29$  i.e. to the "White hole" term, we joined the state: ABSOLUTELY LIMITLESS BE-ING ((Absolutely Limitless Reality). This aspect of the Absolute, the Supreme Source of the unimaginable and inexpressible depth of the Divine lies beyond the reach of human comprehension. Man's concept of the highest Reality, about God, is inevitably limited with the capacity of the human mind as long as we live in a rough-material, substantial world, so that the Reality of that level is completely inconceivable, beyond all of our imagination, attributes and possibilities of human expression.

The last world in Daskalos cosmogony is THE FIRST heaven: rough-material, substantial world, which corresponds to the stable object  $K = + 8$  (Photon). This is the world of the lowest vibration of Mind, The mind in solid state, from which the three-dimensional material world and the physical body are consist of. Individualized I-ness (being in oneness) of the Seven Worlds of Creation have their proper veils in which the Spirit-Soul-Ego is dressed during its stay in these worlds. The human form does not contain the kingdom of heaven, but it is the kingdom of heaven. In other words, a traveler is traveling, discoverer is discovery. Human beings in their highest state express the Divine Love, Causes, Principles and Laws of Creation. In lower, denser states, as bodies, they express thought (in a noetic state) and emotions (in a psychic state) in the worlds of separation. Our rough-material, substantial body, so small part of our-self, which we often misrepresent with our self, is on rough-material, substantial level..

We must emphasize here that the most controversial object of our model, **Stable object  $K=+9$ , Teslion, which according to the EDQ Model is the Tesla's waves quantum carrier [3] - corresponds to the highest vibration of the Mind and, at the same time, to the lowest vibration of the world of emotions**, making it much more convenient medium for communication with non-physical forms of the manifestation of Being. In other words, Tesla's waves, as longitudinal, compression-expansion vibrations of ether [6], are directly correlated with "astral level" phenomena and aspects of "Beings" that on a rational level manifest themselves through "emotions".

Modern medicine and science in general, views man as a mere physical being. Nevertheless, lately, medicine has begun to takes into account the psychological aspect of human existence, but a picture of the psyche and the body "collaboration" is still quite unclear. About the "astral" and "spiritual" aspects of being, spirit and soul, there is no mention in physics and academic medicine..

Classical psychoanalysis does not use the notion of the soul also, but under the term "ego" implies a psychic entity that influences the behavior of the body, which is a term close to the concept of the soul.

However, in ancient, especially eastern traditions, man is described as "Energy multi-layered" being. According to these (currently para-scientific) teachings, man, apart from the physical, visible body, has subtle bodies or levels of being. These are: physical, mental, astral and causal bodies.

There are numerous discussions about human spirit and soul.

In the Western philosophical tradition, the term "soul" denotes the spiritual principle that is inhabited in the human body and which gives it identity. The soul is an immaterial, spiritual part of a man which exists even after his physical death. In other words, the "soul" is bodiless being which revives the body and has the ability to think, desire, and feel. In the Old Testament, the term "soul" refers to the "breath of life": to be living means to have the breath of life - the soul, and when a person dies, then the soul "comes out". In Quran, the term "ruh" is used in its primary meaning "spirit of life" and "soul". Ruh can be Upper (Ulwi) and Lower (Sifli). Lower Ruh is called Nefs - "self" (personality, me).

In essence, in general, the physical body, by its density, serves as the "vehicle" of the Soul for the evolution of matter in the world. The soul consists of values that consciousness realize in its every incorporation (incarnation). It is the subtle-energy carrier of emotional records, the seat of emotions, our



eternally individual self, the mediator and the connection between the spirit and the body. The spirit is an abstract, non-individually life-giving substrate that permeates us. In essence, the spirit is "a divine spark separated from the Absolute's chest", the immortal Creator's particle in us - and in fact the bond of the soul with the Absolute.

According to "Spiritual Messages" of Saint Nikolai Velimirovich "The spirit is in the soul, the soul is in the body, the body is in the world. The Spirit is the driving force of the soul, the soul is the driving force of the body, and the body is the actuator of other bodies. ... Whatever the spirit is, so are the movements of the soul; what kind of soul is, such are the movements of the body."

It is therefore important to take care of your own spiritual health that is directly related to both the psychic and the physical. Positive psychology leads us to neurolinguistic programming, the eastern wisdom on various techniques of meditation and religion on prayer.

The EDQ Model additionally "enlightens" this segment of Reality. Describing spiritual phenomena with the parameters of classical physics allows us to compare them with the corresponding material manifestations and a much better understanding of these very abstract concepts and sensually non-perceptible<sup>4</sup> and for classical science non-measurable phenomena.

Bearing in mind the above interpretations and structure of the Hyper-spatial Segment of Reality shown in Figure 3, the concept of physical plan or material body corresponds to stable objects of quantum levels  $k = 0$  to  $k = + 8$ , i.e. substance, tissue, molecule, atom, proton, electron, neutrino and photon. Considering the holographic arrangement, the same universal "step" of quantization of  $8 (= 2^3)$  levels<sup>5</sup>, the "soul" phenomena corresponds to the term "astral plan", which includes "Stable objects" of quantum levels  $k = +9$  to  $k = +17$ . The spirit, as a phenomenon of an even higher level of consciousness, corresponds to the notion of the "mental-spiritual plan" described by the parameters of "Stable objects" at quantum levels  $k = +18$  to  $k = +28$ . According to the Upanishad cosmogony, these are "Supramental Worlds" or "Higher Noetic Worlds" according to Daskalos. A stable object on the "last", "ending-starting" position of the quantum levels (energy density)  $k = + 29$  corresponds to a specific, UNIQUE phenomenon: Absolute Super Awareness, Self-Conscious, Absolute Reality.

It is quite obvious that the "Space-Energy" structure (Fig. 1, Fig. 3) implies that Stable Objects of Higher Quantity (below, right ...) are "inside" those of lower levels (up, left) so the words of Saint Nikolai Velimirovich: "The spirit is in the soul, the soul in the body, the body in the world" gets full meaning and physical verification.

Also, what is absolutely obvious in physics: UNIVERSE - a stable object of the lowest spirituality and lowest quantization level (the smallest energy density) and the highest degree of "materiality" – CONTAINS ALL other phenomena (clusters, galaxies, suns ...). However, pointing to the fact that the object of the highest level of quantization, the highest level of spirituality and the highest energy density "Supreme Spiritual Absolute", the Model confirms the statements of all philosophical traditions and confessions - that " Absolute Super Awareness", "GOD" ..., IS WITHIN EVERYTHING.

The advantages of this way of Reality observing are obvious and numerous.

As we have already mentioned, the material reality segment consists of "Lower levels of consciousness", quantum levels  $k = + 8$  and lower, which correspond to photon, electron, proton, atom, tissue ..., which means that communication of the physical body with Reality takes place through sensually detectable phenomena, EM waves, electrical currents, sound, touch ..., and what is the area that conventional science (physics, medicine ...) knows very well.

However, next, "higher" level of consciousness above the astral-emotional level ( $k=+9$ ), corresponds to "higher density" and the level of quantization  $k=+10$ . It is correlative with the so-called "mental/causal body" which communicates with the rational segment of our being through intuition - which is very important and useful information. According to Nikola Tesla, the greatest inventive genius of our civilization: *"Intuition is something which transcends knowledge; Far beyond the limit of perception of our senses the spirit still can guide us"* - point to the enviable level of awareness that Nikola Tesla has achieved.

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<sup>4</sup> The exception is the so-called. "Extra sensible" person, detectors of "Torsion fields" ...

<sup>5</sup> According to the axiomatic principles of Sankhya ([4]), the structure of Reality is predefined by the "volumetric" vibrations of the substrate, whereby the doubling of the radius corresponds to an increase in volume for:  $2^3 = 8$  unit volumes - which is directly related to the notion of density (of energy) and thus with a "quantum level".

Regarding to EDQ Model's postulates, the intuition phenomenon corresponds to the "Stable Object"  $k=10$ , which is located "on the other side" of the "Hyperdimensional Equator" and belongs to the spiritual aspect of reality. However, by the exclusivity of the Model, we can easily see that this phenomenon in the material segment of Reality, much better known to us, on the basis of "space-time mapping", correspond either to superluminal neutrinos or slowed photons (see Figure 5). For the official physics "Superluminal neutrino" still are in the domain of pseudo-science, but "slow photons" are not. What is more, it is undisputed scientifically confirmed fact that communication at the cellular and DNA levels is done by means of "slow photons" [7], what confirm the functionality of the Model again.

Findings of this type indicate almost certain fact that the Nikola Tesla's technologies will be the basis of all technologies of the 21st century and the trigger for the 3rd technological revolution of our civilization.

## Summary

**The EDQ model combines Matter and Spirit into the "Unity of space, time, and energy" - in which all phenomena can be described by the same physical parameters** - which is of the utmost importance since traditional teachings imply "Energy multilayerity" of "beings". In terminology of the Model it means that they include multiple quantum levels, therefore, not only their physical aspect ( $k < 8$ ), but also the astral ( $k=9$ ) and a few higher ( $k \geq 10$ ) spiritual plans (Eteric, Celestial, Causal ...). Exactly analogous to the galaxies that contain the Suns, Planets ... or Atom containing Protons, Electrons ...

Based on the above, it is obvious that our established spatial-temporal concepts are getting much wider and actually - quite different - meaning. For example, the time sequence of the events expressed in our "quasi-reality" described with three "spatial" and one "time" dimensions with the terms "before" and/or "after", is only our "human" view of the real (higher) Reality as a temporal-sequential phenomenon, whereas in the (higher) temporally-simultaneous Reality many "segments" of the same event have already been "manifested" and "realized" - but we (in our "here- now ") should wait for this event to "happen" (for us) in our "segment" of reality<sup>6</sup>. Likewise, it is evident that to once "moment" of atoms corresponds millions of years of the Universe in a temporal sense, while to one Universe - in a spatial sense - corresponds a billions of individual atoms – but both are two aspects of the SAME (space-time-energy) phenomena ...

The Reality described by the EDQM is a multilayered energy structure in which "Stable objects" of "higher order of quantization" are "nested" within objects of lower order of quantization. For example, galaxies are located within galaxy clusters, planetary systems within galaxies, etc. In doing so, the "position" of each of them in the space-time-energy substratum is completely mathematically defined [1], determined by the holographic pattern of the fractal type (e, Pi, fi according to [4] and [8]), which implies the existence of a numerous analogies between certain segments of Reality (astronomical phenomena, human organs, cell structure, DNA, RNA ...).

The basis of the "space-time-energy" matrix of the substrate that is successively "mapped" from the spiritual to the material forms, and vice versa, is based on the change of the "energy density" and actually on the volume changes. Axiomatically, by doubling the radius the volume increase  $2^3 = 8$  times, - which, reduced by the initial volume, gives  $8-1 = 7$  levels of changes ! These seven axiomatic elementary levels of change in volume and energy density are manifested in Reality in all its aspects - from music - in the form of music scales, through the Periodic System with 7 groups of elements analogous to the structure of the atoms with 7 "electronic shells" i.e. 7 energy levels, then 7 energy chakras of human being, ..., 7 Lokas (worlds) according to the Upanishad cosmogony...

Due to the Exclusivity of the Model, it can be clearly seen that both, the phenomenon of the "mental/causal body" ( $k=+10$ ), which communicates with our Intellect through Intuition, and the astral body ( $k=+9$ ) which communicates with our Intellect through emotion - makes the energy matrix of the material structure of the Being, DNA, its cells, tissues, ... in the domain of "material reality" have its "mirror form of existence" which are "wide-spectrum photons" from photons of optical spectrum to "Slow photons" (see Figure 6)!

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<sup>6</sup> In essence, it's only about the focus of our consciousness, otherwise - from the aspect of  $k = +29$  - ALL "events" are "here-now".

The term "slow photons" is quite analogous to the term "Biophotons" or "ultra-low emission of coherent photons", that is used by Prof. Fritz-Albert Popp in his research on the complex relationship between light and life [7] - which is completely in line with our considerations.

In the text " Universe - Perpetual Harmonic Oscillator" [8], we have shown that, according to the EDQ Model, all manifested entities are the result of self-sustaining harmonic vibrations, constituted by affirmative-destructive combinations of coherent, simultaneous-sequential, VOLUMETRIC (3D) VIBRATIONS of the substrate in the "breathing" regime - i.e. rhythmic combinations of expansive and compressive sequences which, in all their forms, take place in accordance strictly with the relations of the fundamental Cosmic Constants: the  $e$  - base of the natural logarithm (2.718),  $\pi$  - ratio of the circumference and the radius of the circle (3.14),  $\phi$  – golden mean (0.618).

This completely confirms the complete alignment of the EDQ Model with the Reality and the axiomatic principles described in the ancient Vedic scripts (e.g. [4]) as well as with the "ethereal physics" of Nikola Tesla<sup>7</sup> (more in [16]).

Since the material part of Reality represented in the Model via the phenomena of the macro and micro segments of Reality is based on the exactly scientifically determined parameters, which clearly point to the holographic arrangement of FULL REALITY [8], we can postulate the idea of full accordance and unity of the matter and the spirit and thus bring a numerous esoteric phenomena much closer to the real-rational-scientific domain and finally to unify science and spirituality.

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<sup>7</sup> "Light cannot be anything else but a longitudinal disturbance in the ether, involving alternate compressions and rarefactions. In other words, light can be nothing else than a sound wave in the ether."