

Article

Unity Principle, Quantum Information & DNA (Part I)

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ABSTRACT

The information essence of the Universe dominates over its physical aspect. Its dynamic hierarchic information structure is a manifestation of a divine Mind with its Idea (Intelligence), so the Universe is rational and comprehensible for us. The information coded in DNA reflects the whole universal information at its own level of complexity. This information coded in DNA creates the whole holographic image of a living organism that should be evolved. DNA manages through its instructions the building of biophysical body, which form is given in a quantum holographic image existing at various hierarchical levels of quantum reality (e.g. ethereal, astral and mental). Human body coded in DNA has its various representations at all hierarchical levels of physical reality in a form of multilevel human soul through which the universal divine Spirit is individualized in a concrete Man. The evolution can be imagined as a climbing through the dialectic helix step ladder. It is remarkable that DNA coding the evolutionary process is just the double-helix structure – step ladder.

Part I of this two-part article includes: The Unity Principle; The Vacuum; The Nature of Light; Expanding Universe; Nature of Space; and God, Universe, Man & DNA.

Keywords: Physical universe, quantum information, DNA, double helix, evolution, human body, Divine.

The Unity Principle

If we start our consideration with existence at the highest level of abstraction, we can only state that something “is”. This “something” remains undefined existence until we say that there is “something else” towards which “something” defines itself as a difference. “**Something**” and “**something else**” are not two independent existences but they are two opposites (anti-poles) of the same “one”. The relation of anti-poles is not static but dynamic as only their mutual activity creates relations. The simplest form of mutual activity of anti-poles, that creates the essence of matter, is their **attraction and repulsion** manifested as pulsation – vibration – oscillation.

“Something” excludes its anti-pole – “something else” by repulsion. But at the same time the anti-poles remain connected together thanks to their attraction. Thanks to repulsion and attraction, the anti-poles remain in a unity (mutual relation) that cannot be broken. The bipolar “one” is a self-repulsion and self-attraction of its anti-poles that can be symbolically marked as “+” and “-“. This bipolar “one” represents an **elementary quantum connection (relation)** of

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anti-poles (opposites), so we name it the **quantum dipole (+/-)**. It is the dynamics, motion, pulsation, oscillation, permanent approaching and merging (attraction) and receding (repulsion). This self-motion of quantum dipole is the mutual motion of its anti-poles. Repulsion and attraction are two faces of the coin. One predicts the other. Such is the dialectical logic of “one” that is bipolar and represents both - the basic building block of matter (space, energy) and elementary unit of information.

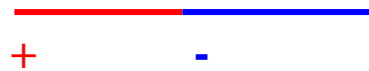
The **dialectic relation of the whole and its parts** defines the exact mechanism of the unity principle of the Universe.

The whole – “one” thanks to its intrinsic contradiction differs and divides itself into parts (many “ones”) in such a way that every part is connected with the whole, what means that every part is connected with all rest parts of the whole. As all connections of these parts are also parts so all parts are connections – links, relations, quantum dipole networks, too. Part and connection are the same as well as particle and interaction. There is no difference between part and connection. Every connection is a part of space and every part of space is a network of elementary connections. The dialectical separation of the part out of the whole means its separation out of every part of the whole. Such separation means the creation of its connections with every part of the whole and it is possible only if the whole and every part consist of elementary bipolar connections (quantum dipoles (+/-)). The quantum dipole (+/-) so represents the elementary structural unit of the Universe (space, matter, energy). Every “+” pole is connected with all “-” poles of the Universe and reciprocally. So, **everything is connected to everything**. The principle of universal connection of everything with everything creates the general Unity of the physical Universe. This **Unity principle** is basic for the whole Universe based on its internal dialectics. Only by dialectical logic the bipolar essence of matter can be discovered because dialectics has the universal power over Nature.

The Universe is a network of non-local connections +/- and “perceives” all of its parts. On the other hand every elementary quantum +/- “perceives” the whole Universe. These non-local connections are in radical contradiction to the Einstein theory of relativity. They not only exist but represent the substance of the Universe. It means that the Universe is always universally interconnected. Thus, the principle of universal simultaneity and synchronicity is valid. What is simultaneous in one system is automatically simultaneous in all others. The network of non-local bipolar relations represents at the same time the information structure of the Universe, which information contents represents the dynamic reflection and implementation of divine Idea as will be shown later. Quantum non-locality, complexity and synchronicity of the dynamic universal quantum network of bipolar relations are the evidence that the Universe is mainly the dynamic information quantum structure. Einstein believed in the law of locality, where two objects can interact only if they touch each other or if their interaction is mediated by some other object; but non-locality, or inseparability, is a fact of nature. Objects are not only affected by local mutual pressures but mainly by what happens to other objects. So they are always in mutual direct communication (interaction).

Every connection of anti-poles (+/-) represents the individual elementary quantum of matter-energy-space-information. It is the elementary building block of matter and information and the base for its structural composition in which everything is connected with everything.

Schematic representation of a quantum dipole:

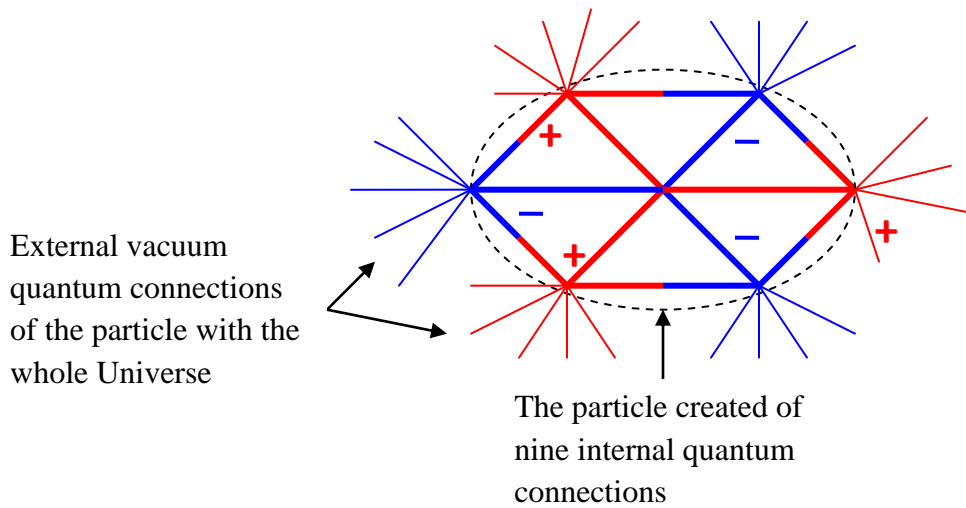


Every particle is completely defined by the number of positive and negative poles and the intensity (energy) of their connections. This intensity defines their length and form of their mutual motion. These intrinsic properties of particles are manifested outwards as charge, mass, spin, magnetic momentum and so on.

The quantum dipole is an elementary discrete quantum of matter as well as the connection of opposite poles. So it represents discontinuity as well as continuity of matter.

Bipolar quantum dipole being the basic structural unit of space-energy is at the same time the basic structural unit (bit) of information, so the Universe is not only the physical structure of its energy but, at the same time, the digital structure of its information created of two opposites. Its physical (energetic) aspect is a holder of its information contents. So energy of the Universe is the carrier of its information.

Scheme of a particle (neutron) compound of three '+' and three '-' poles with nine internal connections (quantum dipoles) and indication of external connections:



The Vacuum

The **length of quantum dipole is indirectly proportional to its energy**, so the length \mathbf{d}_{ij} of quantum dipole in conjunction with its energy \mathbf{e}_{ij} gives the same value for every elementary quantum dipole \mathbf{ij} :

$$\delta_k = \mathbf{e}_{ij} \cdot \mathbf{d}_{ij}, \quad \text{where} \quad \mathbf{E} = \sum_{i=1}^k \sum_{j=1}^k \mathbf{e}_{ij}$$

where: \mathbf{i} – number of positive pole, \mathbf{j} - number of negative pole

The constant value $\delta_k = \mathbf{e}_{ij} \cdot \mathbf{d}_{ij}$ represents **the universal law** giving the energetic and length (geometric) characteristics of the Universe into their mutual relation. From this simple basic relation Coulomb's and Newton's laws just directly follow as shown in detail in my monograph "God and the Universe" [1].

Apart from very short quantum connections (dipoles) responsible for material form of matter – particles like photons, electrons, protons and neutrons, as well as atoms, molecules, compounds, there are long and very long quantum connections interconnecting material objects and creating their interactions and vacuum. We distinguish the **vacuum in atoms, molecules and interstellar spaces**. So the vacuum is a link of particles in atoms as well as celestial bodies. The vacuum consists of external quantum connections that are much longer than inner connections in objects. It depends on the point of view which quantum connections (dipoles) are **external (vacuum)** and which ones are **internal (particles, bodies,...)**. In an atom, the internal quantum dipoles create the particles (proton, neutron and electron) and their mutual quantum connections create the **atomic vacuum**. In a molecule, the internal quantum dipoles create the atoms and the mutual quantum connections between atoms create the **molecule vacuum**. The long quantum dipoles connecting celestial bodies create the **cosmic vacuum**. A considerable part of cosmic energy is concentrated in these vacuum connections (cosmic vacuum). It is the so-called "dark matter".

Contemporary physics does not know that the nature of the vacuum is the same as the essence of any other form of matter. The length of quantum dipole defines whether it is a part of a material form (particles, atoms, bodies) or a vacuum. Every elementary **quantum dipole** is a **holder of elementary quantum of space and information**.

The vacuum created by long quantum dipoles represents the external quantum field that can manifest itself in various forms. If it represents the connections between electrically charged particles, it creates the electrostatic field. If it connects material bodies, it represents the gravitational field. If it connects the particles in atomic nucleons, it represents the field of strong and weak interactions.

The Nature of Light

Light as a **quantum of radiation (photon)** represents the elementary particle consisting of bipolar connection of opposite poles "+" and "-", which thanks to their mutual attraction and repulsions perform a permanent **oscillation (vibration, pulsation)** manifesting outwards as an **electromagnetic wave** during a flight. This fact is a consistent and factual explanation of the "**wave-particle**" duality of light. The radiation, as a bipolar unity of anti-poles, manifests in a form of elementary particles (quanta, photons), but as a form of their mutual attraction and repulsion (oscillation) represents a wave of electromagnetic field. Only a bipolar dynamic unity of opposites can be the internal source of oscillation and energy of a photon. There is a cardinal difference between dialectical understanding of "wave-particle" duality and **Bohr's complementary principle**, accepting this duality as a strange property of Nature without its deeper understanding.

The photon is an oscillating elementary quantum dipole or a beam of pulsating quanta. It is not a point-like particle, but represents the elementary quantum of space, which, through its external relations, is connected with all other parts of the Universe (its positive pole “+” is connected with all negative ones “-“ of the Universe and its negative pole “-“ with all positive ones “+”). Photons do not move “in” a free space-like vacuum, but thanks to their external connections, they move “towards” all other parts of the Universe, which are also spatial holders (carriers). We do not need any **background** in order to allow particles to move in it. All elementary particles, interactions, force fields, as well as the vacuum are only certain structures of elementary bipolar quantum connections directly and mutually interconnected. As everything is connected with everything else, so every part moves towards all others thanks to their mutual connections. The vacuum consists of elementary quantum connections between particles. We need no background as necessary condition for the motion of objects and so it is incorrect to say that particles move in space. We can only say that they, as holders of space, move towards other spatial objects thanks to their mutual connections which are also spatial holders. The expression that something moves in space is only an approximation which is incorrect at the quantum level. This is the main reason for huge interpretational problems of quantum theory which does not know the real essence of quantum reality, as it accepts moving particles as points independent of space (vacuum). All interpretational problems of quantum physics are the consequence of trying to describe the motion of elementary particles “in” space represented by coordinate system.

Let us come back to light. Quanta of electromagnetic radiation – photons, in comparison with other elementary particles, have some specific properties. A photon is an elementary connection of opposite poles + and – (quantum dipole) with spatial characteristics – volume and length. Just the simplicity of a photon allows its perfect oscillation (vibration) in a plane perpendicular to the direction of its flight. As it is a free quantum, it cannot resist its dragging by expanding Universe in a direction perpendicular to its oscillation and so it has no rest mass and its speed expresses the **speed of cosmic expansion**. Such is the nature of the speed of light as one of the basic physical constants, unknown until now.

PHOTON = FREE OSCILLATING QUANTUM DIPOLE (+/-)

It is unbelievable how blind is contemporary fundamental theoretical physics that cannot detect the following simple facts and truth:

1. Photon as a quantum of free energy is a particle because it represents a unity of two opposites which mutual attraction and repulsion cause its oscillation manifesting outside as a wave. Wave-particle duality of a photon is not a consequence of complementarity principle, but the dialectical unity of opposites. We do not need unbelievably expensive colliders to understand the simple fact that the elementary structural unit of matter, space, energy is a bipolar relation of opposites – quantum dipole (+/-) and all forces (interactions) are nothing more than attraction and repulsion. It is evident that every wave, having sinusoidal interpretation, can only be the consequence of mutual dynamics of two opposite aspects of waving (oscillating) entity. For example, the harmonic oscillator manifests the mutual dynamics of its kinetic and potential energies. So we need no extreme energetic collisions to detect the unified interaction within GUTs theories, as this interaction is very simple – attraction and repulsion of opposites. All forces

(interactions) are nothing more than attraction and repulsion. We only need to find how these basic interactions can manifest in various forms.

2. All material objects represent bound forms of energy, so their basic constituents must be mutually bounded quanta of energy = photons = quantum dipoles (+/-). Elementary particles cannot be point-like units without any internal structure, as their different qualities (charge, spin, amount of mass and energy) can be only the consequence of their different structures of bipolar relations +/- .

Photon is an elementary unit of energy - space as well as information. Its informational aspect is given by its bipolarity and its relation to all other elementary quanta +/- of the Universe. It means that every photon (quantum dipole) is the way (relation) to the whole Universe, so every photon is the centre of the whole Universe. All existing photons represent the same Photon manifesting itself through many photons. The only **one central Photon (God)** has two faces – internal (subjective) as a unity of everything and external (objective) as its structure (network) consisting of all mutually interconnected photons (quantum dipoles +/-). One Photon represents the centre of the differentiated reality having its physical (space, energy, time) aspects as well as information contents and manifestation.

To be in Light means to be in the centre of the Universe. Let us look at this moment from the physical viewpoint.

Expanding Universe

The **expanding Universe** is an **increasing network of elementary quantum connections (dipoles)**. If we select a certain part (system) of the cosmic network, we must remember its universal connection with the whole Universe. Every system is in relation to, and interacts with all others. This is the true nature of relativity. Einstein's idealization of uniform motion of reference frames in his special relativity theory (SRT) does not correspond with reality. He did not take into account interaction of moving system with its real surroundings, the vacuum. He did not assume the vacuum to be a physical reality and supposed space to be empty.

Every **moving body drags its own "vacuum"** created by its elementary external connections with the whole Universe. The intensity of **mutual pressure (local interaction)** between the moving body and its surroundings increases during its acceleration. This intensity also depends on conditions in which the body is placed. In places with higher local pressure of vacuum connections, the interaction of a body with the vacuum is more intense. Near massive celestial bodies, the vacuum pressure is high and decreasing with a distance. The higher the **gravitational potential**, the greater is the local **pressure of the vacuum**. The intensity of local pressure of moving body with the vacuum depends on the speed of the body as well as gravitational potential of the vacuum. **Time dilation (deceleration of processes)** can only be the consequence of increasing intensity of mutual local pressure of moving objects with the **physical vacuum**. As uniformly moving objects can be in different relations to the vacuum, so time (speed of processes) decelerates in objects with more intensive local interaction (pressure) with a vacuum

comparing to the others. Also bodies in places with different gravitational potentials have a different interaction with their surrounding space (vacuum). The higher is the velocity (or the greater the gravitational potential), the greater is the interaction with surroundings and the slower are the processes (time dilation). Time dilation (deceleration) really exists but not as a consequence of SRT. Other effects of SRT like length contraction and relativity of simultaneity do not exist in reality and have never been verified experimentally.

The cosmic vacuum is created of long quantum dipoles connecting mutually all celestial bodies. If we want to observe the mutual motion of bodies, it is important to choose a reference frame. As it is complicated to define the immediate speed of motion towards some universal frame, usually the dominant body (system) in the given environment is chosen as a basis, because its external quantum connections with the whole universe significantly form its surroundings. For example, Earth, Sun or centre of Galaxy are dominant in their respective surroundings. The erroneous and non-physical is Einstein's declaration that all uniformly moving systems are mutually equivalent and none of them can be privileged. The ideal privileged reference frame is the vacuum with zero gravitational potential. Measured time dilation is just the consequence of mutual asymmetry caused by different speeds of moving bodies towards common surroundings (vacuum). Two bodies moving uniformly are asymmetrical if one had prior acceleration. They have a different intensity in local pressures with the vacuum, and their internal processes (times) have different speeds.

Experiments verified that objects (bodies, particles), accelerated to the speed \mathbf{v} with respect to objects at rest, slow their internal processes (time dilation), according to Lorentz's relation:

$$\Delta t' = \Delta t (1 - v^2/c^2)^{1/2}, \quad \text{where:}$$

Δt – time interval elapsed in the system S at rest,

$\Delta t'$ - corresponding time interval elapsed in the system S' having the velocity \mathbf{v}

The objects S and S' are in **asymmetrical position** with respect to the surrounding vacuum. From the viewpoint of the system S at rest all processes (time) slow in the moving system S', what means that from the viewpoint of the moving system S' all processes (time) accelerate in the system S at rest. Achieving the speed of light, system S' disintegrates into the light and becomes light, then all processes in the light system S' stop and $\Delta t' = 0$, what means that for the light system S' the **speeds** of all processes in the rest Universe are **infinite**, so the whole history of the Universe is just present. The whole Universe with all its possible histories (all its eternity) is just present (now and here) from the viewpoint of Light. In Light, only the eternal "now" and omnipresent "here" exist. To be in Light means to be outside time and space. Everything is just now and here. The **Light (God)** as the centre of being so represents the basic universal reference frame. To be in Light (subject) means to be everywhere and in every time, but to be made of light (object) means to be in space and time. To be in Light means to be in God, in its internal (subjective) side representing the self-conscious individual, as well as universal, person. The external side of Light, with its dynamic structure, represents the created Universe - object.

We can support this clear subject-object relation also from the viewpoint of dialectical logic. We have found bipolarity to be the basic structural unit of space, energy and information, where

“something (+)” can be determined and defined only by its contradiction “something else (-)”. Both contradictions represent only repeating internal differentiation, only simple negation, without returning to itself by negation of negation. Only by **negation of negation** “something” can create the relation of itself to itself (infinity) through **overcoming its own contradictions**. Something, by negation of negation, creates again and again its simple relation to itself through its opposite. So being in itself represents the infinity (**subject – personal GOD**), while being in other means being in space and time – physical and information Universe, which is the other side of a subject – God. God refers to its “being in other” (physical Universe) which is contained in Him and simultaneously differentiated from Him. Through negation of negation God performs **His self-reflection - “being for itself”**. God is the absolute Spirit = **self-conscious “I AM” and “I WILL”**. He represents the highest level of self-reflection, the consciousness of Himself in his created World (Universe) and, at the same time, the consciousness of His world in Him. So God performs his self-consciousness, self-knowing, through its own limit – physical Nature (other of something). As self-consciousness, God is a person (subject).

The relation between Spirit (God - subject) and physical Nature (object) is at the same time, the relation between inside and outside (limit of inside). “Something” can obtain its determination (quality = information contents) only through its limit.

The dialectical law of negation of negation, at the level of the whole Being, is a manifestation of dialectical relation “subject-object” as the relation of universal Ego (Self) to itself through its contradiction – non-Ego, where the self-conscious activity (process) comes from Ego (Self). Being, as a whole, represents the universal self-consciousness of God. All existence is in God - Light, including the object (physical Nature). Nature represents the border-mirror through which God performs His self-reflection.

So, the Universe is a limit of “something = God” thanks to which it curves and encloses remaining without any own limit. The fourth dimension is a necessary condition for curving and closing the Universe.

Universe is a pulsating, expanding and contracting finitude without any limit.

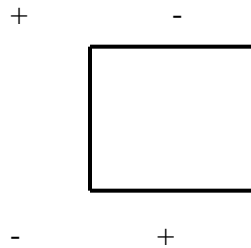
The Universe is “one-whole” which anticipates “many – parts” included in “one– whole”. The expanding Universe as a whole in its parts, as a “one” in its “many”, expels thanks to repulsion a new “one–part” from itself. This “one” as a quantum dipole (+/-) is bipolar. The repulsion means that one new negative pole “-“ is expelled from all positive poles “+“ of existing parts (quantum dipoles) and consequently, new positive pole “+” is expelled from all existing negative ones “-”. Expelling one new pair “+/-“, means at the same time the creation of many elementary connections of this new pair with all existing elementary quantum connections (dipoles) of the Universe. So, the Universe is an expanding network of quantum dipoles (connections). During cosmic expansion, the repulsive force is in its active stage, and the attractive force, as a reaction to repulsive one, is in a passive stage and manifests itself as a global cosmic gravity. Both these forces are equal but with mutually opposite orientation. When the repulsive force will exhaust itself in its active stage, the stage of cosmic expansion ends, and the attractive force starts cosmic contraction. Then the repulsive force passes to its passive stage, and as a reaction to an attractive force (being now in its active stage), manifests itself as a global cosmic antigravity. During

cosmic contraction, the Universe gradually incorporates its quantum dipoles into itself, until it becomes only a sole quantum dipole and starts again another stage of cosmic expansion.

As a sole quantum dipole (+/-), the Universe is in its initial quantum state. Cosmic transition to the second state is accompanied by expelling and creation of a new pair “+/-” in such a way, that every “+” is connected with all “-“. So, in the second quantum state, we have four quantum connections (+/-).

1. The first quantum state of the Universe: + -

2. The second quantum state of the Universe:



Expelling a new pair (+/-) represents the transition of the Universe from one quantum state to the following. In reality, the Universe expels firstly one pole and then the other opposite one. The Universe alternates its symmetric states, when the number of positive and negative poles is equal, with its asymmetric states, when the number of poles of given polarity is greater than the number of opposite ones. This asymmetry in the first stages of cosmic expansion could be the reason of prevalence of matter over antimatter.

The Universe in its symmetric quantum state **k** consists of **k** positive and **k** negative anti-poles with **k²** connections – elementary quantum dipoles.

Nature of Space

The space is created of elementary quantum connections – dipoles, so their number defines the volume of space.

The dynamic network of quantum dipoles represents the unitary field, which can be easily described by the matrix in which the lines represent the positive poles, and the columns – the negative ones. Points of intersections represent the elementary quantum dipoles as connections of anti-poles. Cosmic quantum transition (jump) from one symmetric quantum state to the next, during cosmic expansion, can be described by addition of a new line and column. New points of intersections represent the new quantum dipoles (connections) which are created during elementary quantum cosmic transition (jump).

The table of increasing cosmic network of quantum dipoles

Quantum state		1	2	k-1	k	k+1	n
	Poles	-	-	-	-	-	-
1	+						+/-		
2	+						+/-		
							+/-		
k-1	+						+/-		
k	+						+/-		
k+1	+	+/-	+/-	+/-	+/-	+/-	+/-		
n	+								

The cosmic transition between two symmetric quantum states k and $k+1$ is accompanied by creation of a new pair (+/-), marked with a red colour, together with creation of new quantum dipoles in a new line and column belonging to the symmetric quantum state $k+1$. We can see that during the transition from the state k to $k+1$, the new $2k+1$ quantum dipoles appear. Symmetric quantum state k is represented by k^2 quantum dipoles (+/-).

The elementary quantum connection (dipole) represents the elementary quantum of space, its volume etalon. Quantum transition from one quantum state to the next represents the elementary quantum of time – time etalon. One quantum transition (jump) of the Universe is the smallest possible cosmic change – motion, which the elementary quantum of time is connected with. Time of cosmic expansion is given by the number of quantum jumps k and the volume of space is defined by the number of elementary quantum dipoles, so the following relation is valid:

$$V_k = k^2, \quad k = 1, 2, \dots, n$$

This relation represents the **basic quantum space-time equation of the Universe**.

The basic quantum equation of the Universe $V_k = k^2$ represents the basic rule for space-time quantization and at the same time the dialectical unity of space and time. Parameter k varies from 1 to n (expansion) and backwards from n to 1 (contraction). Parameter of the number of elementary quantum connections V_k consequently varies from 1 to n^2 and backwards. Parameter n cannot be infinite, so neither V_k can.

This basic equation of cosmic dynamics is analysed in detail in my paper [2] with all its consequent mathematical formalisations and important physical consequences.

The basic quantum equation of the Universe $V_k = k^2$ represents at the same time the increasing information structure in which the creative divine Mind imprints its Idea – Word – Intelligence. Consciousness is always a process of creation of its own world through its creative imagination

and active will. Imagination (Idea) as a basic divine attribute finds its manifestation (incarnation) in the dynamic structure of the Universe. Creative consciousness of God unceasingly creates its own world and consequently reflects it to Himself by His perception and interprets it by His imagination. This eternal communication of Him with Himself is the informational process at the highest level of divine game, which, of course, finds its manifestation at many hierarchical levels of energy-information reality with many active conscious players.

The basic manifestation of information is the reflection of something in something else – what means **communication**. This communication has its **sense** in evolutionary processes at all levels of reality leading to increase of **complexity** and **organization** of evolving entities. The highest level represents the Universe as a whole with its evolutionary process of increasing complexity, structural differentiation and interconnection being the physical as well as information body of God. The Universe is a living energy-information organism of highest complexity. Physics deals only with physical (energy, spatial, material) aspects of reality not knowing its information essence, which is much more important. Physics cannot see this **informational aspect as a manifestation of a divine Mind (Imagination)**, so it denies it. But the physical Universe (object) is united in God – subject, where the whole unbelievably rich complexity of the Universe is just present. In Light (its internal subjective side of reality) the whole differentiated and interconnected reality of the physical Universe-Nature (external side of reality) is united. Energy as such is only a blind vibration - motion if we do not accept its true sense to be a carrier (supporter) of information. Only through energy God can manifest His active creative Will by creation of His own world (physical and information body). Light quanta are ideal energy carriers of information. Energy of the Universe is energy of divine Consciousness and Body (Soul). Its quantity, as the basic quantitative characteristic of God, is constant. To say that God creates energy is nonsense. Energy is an eternal attribute of GOD so it cannot be created. God is the Light of this World. God is just the Light (energy) of which everything is made. Spiritual does not mean non-energetic, it only means to be self-conscious, self-aware “I am” and “I will”. Spiritual is at the same time energetic (physical).

The Universe as a whole is a **dynamic cybernetic evolving living system**, where every consequent elementary quantum step (jump) is under the direct control of a divine Idea (intention-goal-imagination) defining what possible choices are to be performed among enormous number of possibilities. Intentions and decisions of God, by managing the evolution of the Universe, manifest His free WILL. Of course, His free WILL is limited by the actual state of the Universe and possibilities existing at every step of cosmic dynamics. Manifestation of divine free Will means that there are huge numbers of possibilities for a free choice at every step of cosmic evolution. Divine free WILL does not mean that GOD can do impossible things. He can do only what is possible. Our human free will can also do only what is possible. The evolving Universe looks like a big computer (hardware) constantly computing its future states from its current state according to its own computing program (software) reflecting divine goals to which the cybernetic process is directed.

Evolution is not blind but oriented to the highest level of power, freedom and consciousness. It represents a process of solution of the following basic dialectic contradictions in God: *powerless-power, necessity – freedom, random – regularity, matter – spirit, consciousness-*

unconsciousness, Ego – non Ego. Evolution has its clear divine goal: **freedom, power, self-conscious “I AM”**. Freedom of spirit represents the true power.

God, Universe, Man & DNA

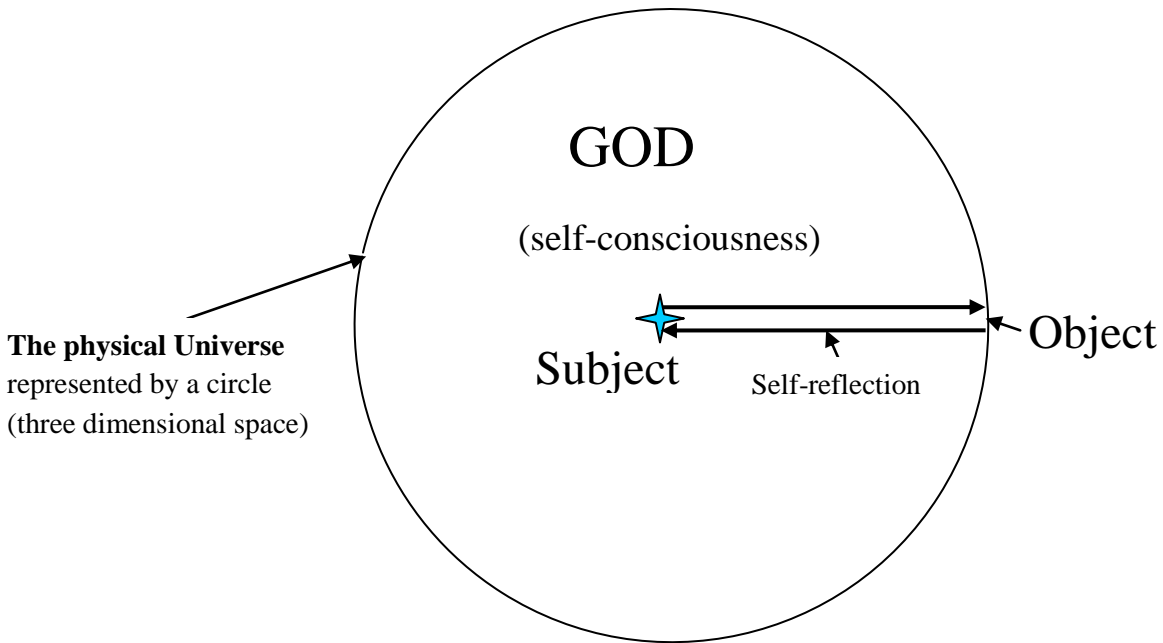
We can make analogy between the role of information in the cosmic evolutionary process and digital information on DVD, which enables the development of multi-variant computer game in time. The full information about the computer game is contained in the program on DVD, the information for the whole cosmic evolution is in a divine Mind (Idea, Intelligence), the information for evolution of life on Earth is in DNA reflecting the information structure of the Universe, etc. This game can be developed to many different variants in time (computer game) or to unbelievably rich and branched processes in space and time (divine game). All possible variants of divine game known as evolution are just present in a divine Mind in a form of a pure Idea (Intelligence) which is gradually incarnated into the information structure of the Universe at all its levels (including DNA on Earth) which is the source of creative evolution with the clear beginning and finish of this never-ending process. The computer game contains the whole information on one level, but divine information is spreading into many subjects and objects being at many levels of Creation (Universe). The whole process of computer game flows through visual manifestation of information structures, programs, blocks and instructions being only objects of the game, while the uncountable number of subjects and objects at many hierarchical levels of reality are involved in the process of divine evolutionary creation. All subjects, including us, are intelligent and active players of this divine game.

The self-consciousness of God contains His whole created world in Himself being at the same time differentiated in two opposites – subject and object, where subject represents the centre of the world through which God reflects Him to Himself. GOD as a subject-object relation is unlimited, where subject has its limit in His world (object), which is again unlimited. The physical Universe is a source of His energy as well as a holder of His divine creative Information. The relation between God and His physical Universe can be imagined in the figure below.

God according to the above image represents the four dimensional reality limited by three-dimensional space, which is closed, having no limit. The physical Universe, being a limit of God, is unlimited. Of course, God as a quality, as a self-reflection, is unlimited as He never and nowhere begins and finishes having His limit in his unlimited created World. God, in the centre of His world, represents the apex of self-conscious “I AM”.

I am aware of myself because I reflect myself into my conscious world as well as this world is reflected into me, so I reflect myself into me through my conscious world. My consciousness creates my world according to my creative imagination and active will, which at the same time creates me and I am aware of it. I am in my consciousness which is in me. I am always in the world of my consciousness (subjectivity), I cannot get out. I am always here and now, in my consciousness. So the real word is only the world of my consciousness with its imaginations, inspirations, feelings, emotions, knowledge, concepts, desires and goals. The outside objective

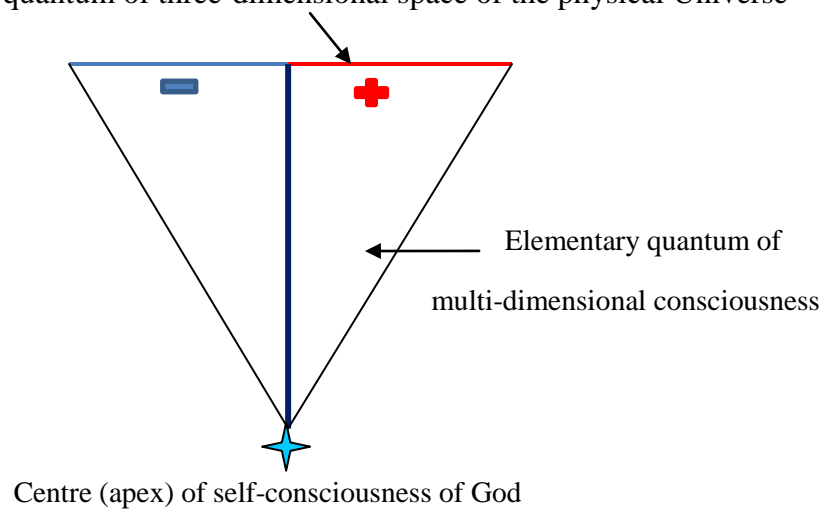
world is reflected in me. It represents the other side of me and I can “see” it only through the form created by my consciousness.



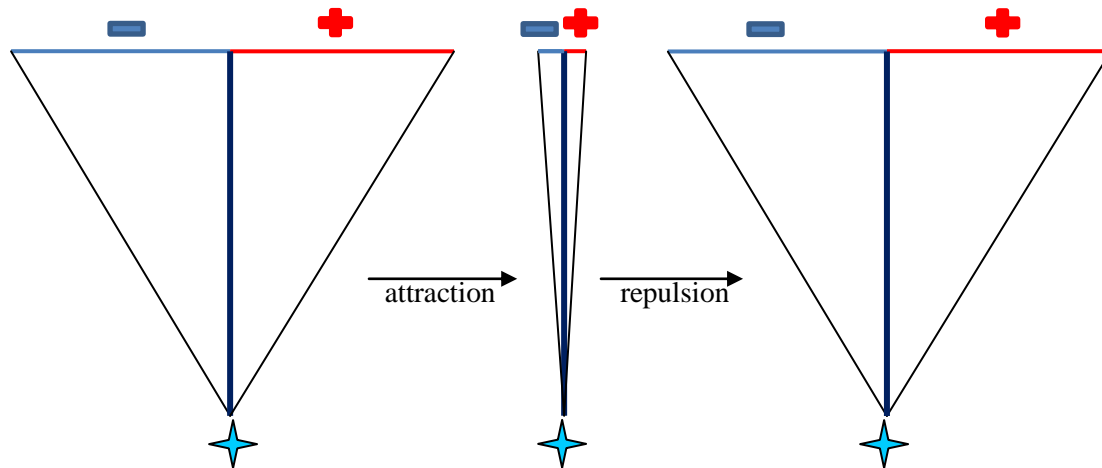
The physical Universe consists of elementary quantum dipoles +/- representing the elementary quanta of energy and space. Three-dimensional spatial quanta are limits of higher multidimensional reality. As consciousness is in the centre of the whole world, so it is in the centre of all its elementary parts (quantum dipoles). These quantum dipoles, being mutually interconnected, overreach their three-dimensional spatial reality into higher dimensions.

The image of a quantum dipole overreaching its three dimensional limitation is as follows:

Elementary quantum of three-dimensional space of the physical Universe



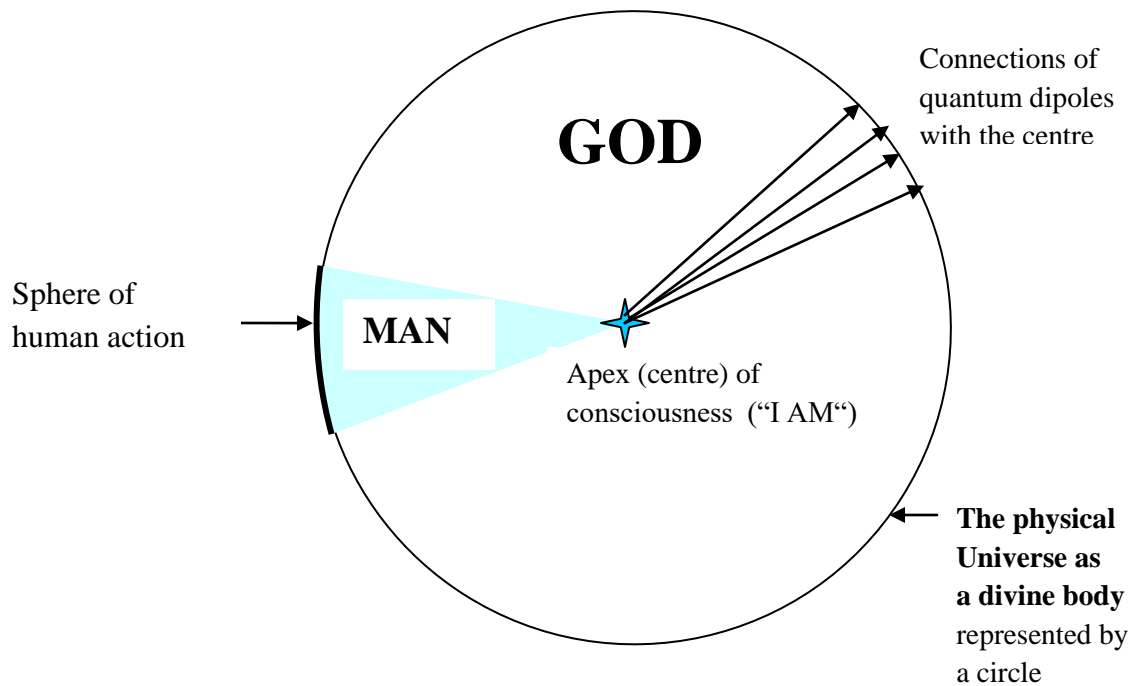
The connection of the centre of consciousness with an elementary quantum dipole creates the elementary quantum of consciousness. Although the physical Universe is defined by its bipolarity creating three-dimensional space, the whole being overreaches this bipolarity to three-polarity of multidimensional consciousness of God. The whole multidimensional conscious world is limited by bipolar relations of opposites creating its physical (energy) and information structures which represent the external aspects of three-polar relations creating the divine consciousness as a “subject-object” relation. The relation “subject-object” is also energetic as energy (motion) is necessary for self-reflection and consequent physical manifestation of conscious creativity. Attraction and repulsion of opposites, being the source of energy (motion), have their multidimensional manifestation representing the three-polar multidimensional motion of quantum of consciousness:



We can see that the motion of a quantum dipole is its oscillation - attraction and repulsion, which is reflected in a multidimensional reality of consciousness. It looks like consciousness has no power over the physical reality and only passively reflects its motion (energy) in itself. But it is not true. Consciousness uses this energy (motion) for its own management according to its creative imagination and active will. Every three-dimensional spatial quantum dipole is only an outside limit of multidimensional quantum of consciousness, so the evolution of the physical Universe is under the management of the divine Idea and intentions of God.

Although the appearance of our solar system with Earth and life looks like a result of totally blind and accidental cosmic evolution, it represents indeed, the implementation of imaginative intentions of God managing the cosmic evolution by using all its dialectical laws.

God acts through the whole Universe, which creates His body (soul), while Man acts through his limited multilevel physical body (soul), where the universal self-consciousness of God is individualized into the individual self-consciousness of Man. So God operates through Man in his individualised form. But the centre of self-consciousness of God as well as Man is the same. Although the divine self-consciousness is universal, it is at the same time individual as God is a subject – individual person. Man is also a self-conscious “I am”, so he has his centre in a divine Holy Spirit = “I AM”. The answer to the question where is the centre of the Universe is very simple. It is in our spirit (our Self).



God is not outside His physical Universe, but inside the multidimensional sphere of His consciousness, which is connected with all elementary quanta of the physical Universe as limits of divine consciousness. We cannot say that God is only spiritual, not physical, as His body-soul (created world) is physical (energetic) and informative. Multi-dimensional reality of consciousness can manifest itself only through energy (motion). So every consciousness has its physical manifestation. The spiritual (conscious) being cannot be separated from its physical (energetic) body and manifestation. Spiritual as well as non-spiritual but conscious subjects (living forms) have their physical manifestations at certain levels of hierarchy of being. Although the physical Universe has not its own centre in three-dimensional space, its true centre is outside, located in its spiritual (internal subjective) multidimensional conscious sphere. The spiritual self-conscious “I AM” is the centre of being. So the name of God is “I AM”. Every man is also a self-conscious “I am” so he represents the centre of the world. I am in the centre of the world (Universe). My body (soul) is made of light (energy), exactly of bipolar quantum dipoles +/-, but my consciousness is just the Light in me and me in Light.

God operates through the physical Universe at its various levels made of different energetic and information substructures. Physical reality reachable by our contemporary senses is represented by short and energetic quantum dipoles. Corporal death of our biophysical body does not mean the death of our individual self-consciousness. The physical sphere however, through which it operates, changes into the level of much weaker and longer quantum dipoles unreachable now by our contemporary bodily senses. So there are many **levels of physical reality** of which our bodies (souls) are made - **biophysical, ethereal, astral, mental and spiritual**. They define the sphere of physical reality through which we just directly operate. The physical Universe, as well as our body-soul, is hierarchic. The Heaven is not unphysical, but represents the reality located at higher levels of hierarchy of the physical Universe created of much weaker and so gentle

quantum connections now unreachable by our corporal senses and measuring devices. We already know that very weak and long vacuum quantum dipoles connect visible material objects mutually. But there are also weak and long quantum connections (dipoles) creating the gentle hierarchical worlds (including our bodies) of the Heaven. All our hierarchical bodies represent our **souls** through which the universal consciousness (Spirit) of God is individualised in many individual souls.

(Continued on Part II)