

The Unity Principle

Peter Kohut¹

Abstract

A great desire of Man is to find the meaning of his life and the true knowledge of existence. The reality looks like disintegrated into many different and independent spheres but we feel that a great variety of existing forms should have a common basis. Many philosophers and scientists have correctly expressed the **Unity Principle** by the sentence: “**Everything is connected to everything else**” but nobody has discovered its essence.

Key Words: unity principle, quantum dipole, God, consciousness, spiritual soul, information, syntropy, evolution.

Contemporary Crisis of Knowledge

Contemporary science cannot find the answers to the following basic questions: “How does the Universe works? What is its basic constituent? What is the essence of consciousness? Does personal God exists and what is His nature? “

Crisis of thinking and knowledge [2] is a consequence of **positivism** limiting a scientific research to only what is reachable for our five bodily senses and instruments. Positivism refused to deal with basic philosophical questions and categories regarding the nature of existence, God and the physical Universe. Technology has achieved very useful results but the range of knowledge was limited only to the **phenomenological level** of reality investigating what is pragmatic and useful from the materialistic point of view. Positivistic science can examine only a certain part of objective reality but does not study its subjective side falsely declaring that it is metaphysical. But it is a great mistake as the really true reality for everyone is his subjective world, his own self-awareness with its senses, feelings, emotions, ideas, knowledge, creativity and free will. Only a consistent usage of dialectical logic can help us to find the truth of our existence. The essence of existence with its **Unity Principle** cannot stay undetected if we use a strong dialectical logic that leads to the only possible solution giving the absolute certainty about the truth (true knowledge) in contrast with positivistic theories having no certainty about their verity.

¹ PeterKohut@seznam.cz

The Unity Principle - Quantum Dipole as a Basic Constituent of Everything

At the **highest level of abstraction** we can say that something “is”, but this “**something**” is nothing until we say that there is “**something else**” towards which “something” defines itself as a difference. Something “+” and something else “-“ are not two independent entities but **two opposites of the same “one”**. These opposite poles are in a dynamic mutual relation - attraction and repulsion manifested as **pulsation – vibration – oscillation**. “Something” excludes its opposite pole – “something else” by repulsion. But at the same time both opposites remain connected together thanks to their attraction. Thanks to repulsion and attraction, opposites remain in a unity (mutual relation) that cannot be broken. A bipolar “one” as a self-repulsion and self-attraction of its opposite poles represents the **elementary quantum connection (relation) (+/-)** or **elementary quantum dipole (+/-)**, which is in permanent motion thanks to attraction and repulsion of its opposite poles. **Repulsion and attraction** are two faces of the coin and the source of **motion = energy**. The elementary quantum dipole (connection) (+/-) is a basic elementary constituent of existence (matter, energy, space, information, consciousness). Everything is built of elementary quantum connections (dipoles), where every “+” is connected to all “-“, so everything is connected to everything else.

Schematic representation of a quantum dipole:

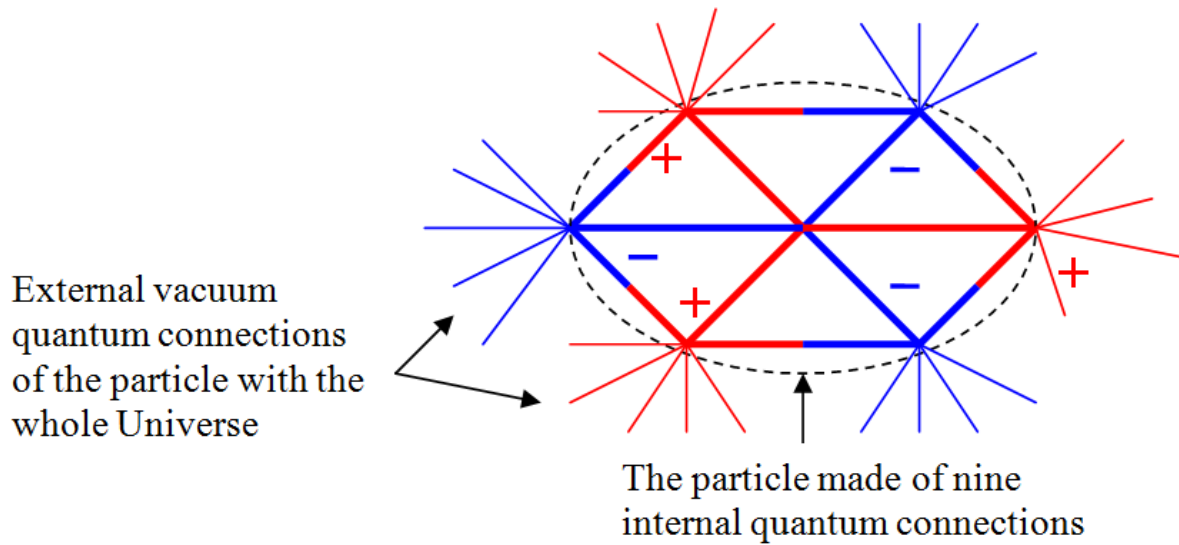


The **dialectic relation between the whole and the part** means that the whole “one” differs and divides itself into parts (many “ones”) in such a way that every part is connected to the whole, what means that every part is connected to all rest parts of the whole. As all connections are also parts so all parts are connections – relations, quantum dipole networks, too. The dialectical separation of the part out of the whole (space, universe) means its separation out of every part of the whole. Such separation means the creation of its connections to 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, information, consciousness). Every “+” pole is connected to all “-“ poles of the Universe and reciprocally. **Everything is connected to everything**. Every separated part is connected to all parts of the Universe. The principle of universal connection of everything to everything creates the general Unity of the physical Universe. This **Unity Principle** is a basic principle for the whole Universe following from its dialectics.

The Universe as a whole differentiates itself in such a way that every new positive pole “+” is expelled from all existing negative poles “-“ and every new “-“ is expelled from all existing “+“. This means that every positive pole “+” is connected to all negative ones “-“, and reciprocally, every “-“ is connected to all “+” of the Universe. So, **everything is connected to everything else creating the Unity Principle of existence**. Internal differentiation of the Universe, its plurality generation and structuration, means its cosmic expansion. Quantum connection - dipole (+/-) can exist as a free light (photon) or be bound in particles like electrons and protons. Quantum connection - dipole (+/-) is a quantum of energy, which everything is made of. **The Universe is a network of elementary quantum dipoles (+/-) where every “+” is connected to all “-“.**

Every elementary connection +/- (quantum dipole, photon) is an elementary quantum of matter-energy, space, information and consciousness. Everything, including our spiritual souls, is made of elementary quantum dipoles (connections).

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



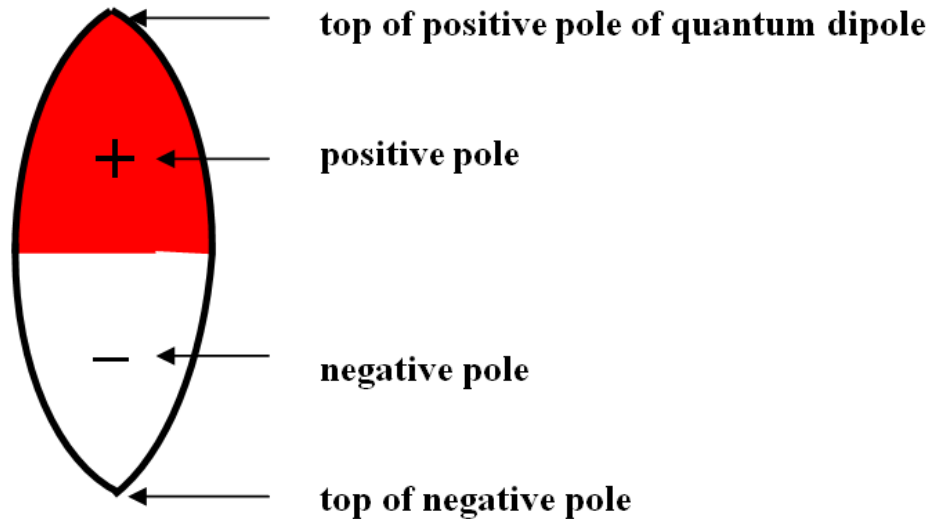
Any particle or physical object is defined by quantum dipoles creating its internal structure as well as external quantum dipoles connecting the particle (object) to the whole Universe. Some quantum physicists say that it looks like the elementary particle reaches the whole Universe. They are really right, only they cannot say the reason - why?

External quantum connections of any object create its vacuum through which the object is connected (entangled) to all other objects of the Universe. Every object (including our EARTH) drags its own vacuum during its motion. We distinguish the vacuum in atoms, molecules and interstellar spaces. External vacuum quantum connections are much longer than inner connections in objects. It depends on the point of view which of them are external and which are internal. In an atom, internal quantum dipoles create particles (proton, neutron and electron) and their mutual quantum connections create the **atomic vacuum**. In a molecule, internal quantum dipoles create atoms and mutual quantum connections between atoms create the **molecule vacuum**. 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". Vacuum as well as any other form of matter consists of the same quantum dipoles, only their lengths define whether they are parts of material objects (particle, atom, molecule, celestial body) or the vacuum.

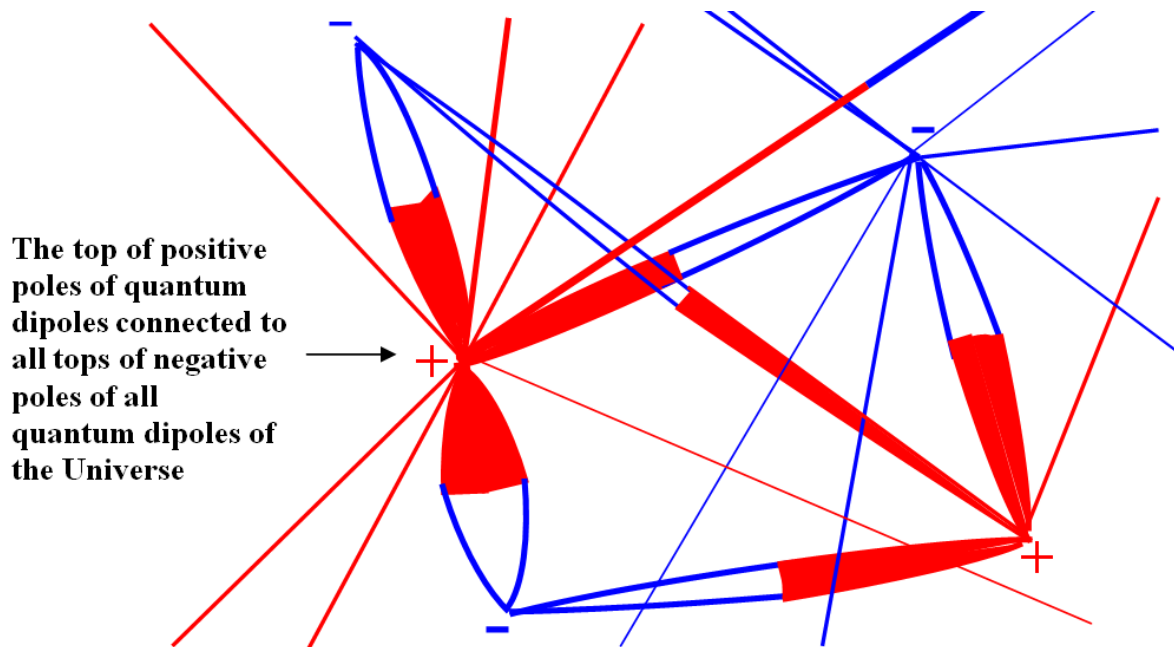
Localism versus non-localism

Every elementary quantum dipole is a holder of elementary quantum of space, so the volume of space is given by the number of elementary quantum dipoles. We can imagine a quantum dipole as a balloon representing its space in which two charges of opposite poles are melted:

QUANTUM DIPOLE



The illustration of a pole and its relations to all opposite poles of the Universe through the quantum connections (dipoles):



The Universe is a network of non-local connections and “perceives” all its parts. On the other hand every elementary quantum “perceives” the whole Universe. These non-local connections are in radical contradiction with Einstein’s theory of relativity. They not only exist but represent the substance of the Universe. Thus, the principle of universal simultaneity is valid. What is simultaneous in one system is automatically simultaneous in all others.

Thanks to direct quantum connections, where everything is connected to everything else, the whole Universe represents the Unity, where every part reflects “perceives” all the rest Universe as well as is reflected in it, so the Universe as a whole represents a self-reflecting (self-mirroring) and self-closed Unity of the highest complexity. It means self-consciousness of personal God (“I AM”). **Self-reflection means the life (consciousness)**. A very high level of self-reflection (life) creates self-consciousness. The level of self-reflection (life – consciousness) is given by the level of system complexity, the higher the complexity of self-closed and self-reflecting system – the higher the level of self-reflection (consciousness).

The Universe as a whole in its Unity represents the highest level of complexity with the highest level of self-reflection representing self-consciousness of personal GOD.

Man with his spiritual soul is a system of very high complexity, so his self-reflection achieves the level of self-consciousness (I am and I will).

A quantum dipole – photon (+/-) is a basic constituent of which the whole self-reflecting Universe as personal God is created according to His creative Intelligence and Intension (Word) in the process of His creative evolution accompanied by internal structuration – cosmic expansion. The physical Universe represents a direct implementation of divine creative Mind. God is not outside His physical Universe. He is in His Universe in the sense that His Universe is in Him. God is the highest Spirit representing the highest level of self-consciousness (“I AM” and “I WILL”) as His Universe is a structure of the highest complexity where everything is reflected in everything else just directly through elementary quantum connections (dipoles, photons (+/-)).

The Universe in its self-reflecting simultaneous Unity represents the subjectivity of personal GOD creating its objective side by differentiation and structuration (space and time) through which He again reflects to His Unity (subjectivity).

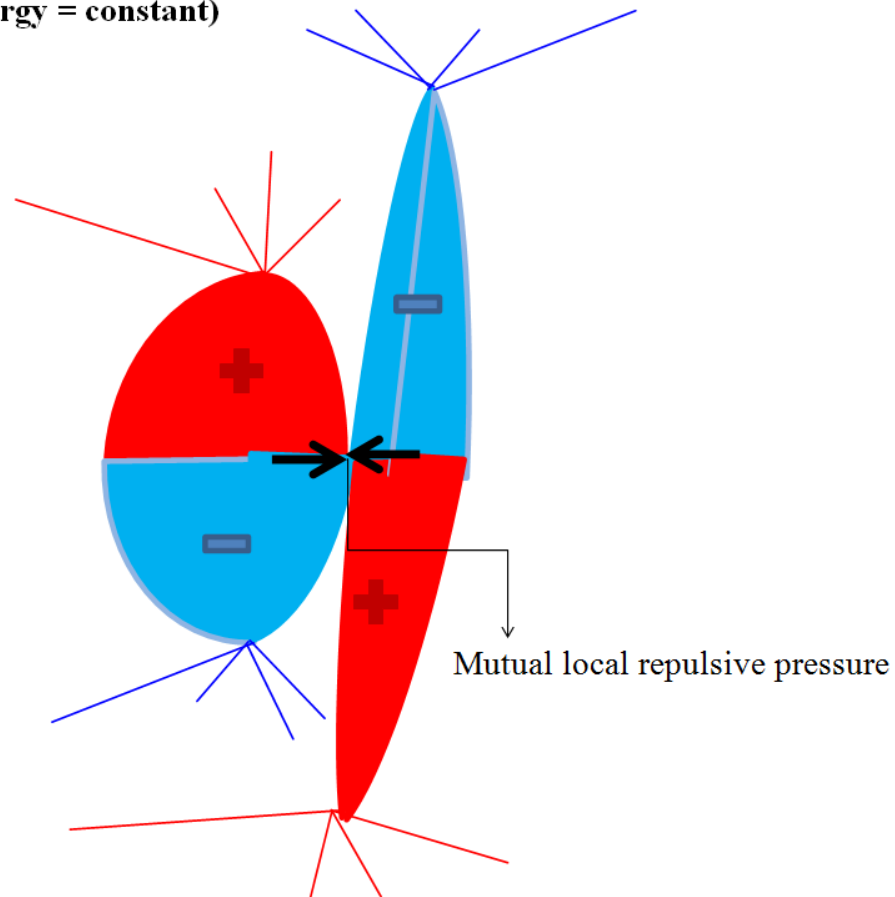
Personal God represents the “subject-object” relation (dialectics), where His united internal subjective side is manifested through His external objective differentiated one.

Personal GOD is the highest Unity of the highest complexity of the self-closed and self-reflecting system - Universe - made of elementary quantum connections (+/-). Consciousness of personal God is the essence of existence creating His reality from His own energy (Light) consisting of elementary quanta (+/-).

Without direct non-local quantum connections, where everything is reflected in everything else, the subjectivity of life (consciousness) and spirit (self-consciousness) is impossible because every living subject with its consciousness represents a self-closed unity of high complexity. Through only local interactions the essence of life and consciousness cannot be explained.

The following picture shows two quantum dipoles acting locally by their mutual pressures. They are holders of elementary quanta of space but differ by their lengths. The left one is shorter, stronger having more energy and the right one is weaker, longer with less energy:

(length x energy = constant)



The more energetic and shorter the dipoles are the higher is their mutual local pressure. The multiplication of energy e_i by the length d_i gives the same value $e_i \cdot d_i$ for every elementary quantum dipole i . This value represents the universal law from which Coulomb's and Newton's laws follow just directly as shown in detail in my monograph "God and the Universe" and other papers [6]. If the elementary quantum dipole changes its energetic level it also changes its length. By losing a part of its energy it elongates. By its receiving it shortens. Quantum dipoles are in mutual exchanging of their energies as they are in permanent mutual motion.

Energy is a motion or potential for motion as a consequence of attraction and repulsion of quantum dipoles.

There are only two basic interactions – **local** (mutual repulsive pressure of quantum dipoles through their spaces) and **non-local** (direct elementary quantum connections – dipoles (+/-)) and two forces – attraction and repulsion. All known forces like electromagnetic, strong, weak and gravitational are their manifestations mediated by quantum connections. It is strange that contemporary theoretical physics is under the pressure of wrong dogma of localism and interprets mistakenly the basic interactions as an exchange of point-like bosons between point-like fermions. So the **Standard Model** of particle physics based on erroneous localism must be replaced by a true description of the micro-world built of quantum dipoles [3]. The same situation is in **cosmology** where **gravity**, based on Einstein's theory, is explained as a local interaction mediated by gravitational waves or gravitons moving by limited speed of light. But the true gravity acts instantaneously and is mediated by direct vacuum quantum dipoles connecting all celestial bodies mutually and creating the cosmic vacuum as explained in [4], [5], [6]. Cosmic gravity is a consequence of cosmic expansion.

Not only theoretical physics but all **positivistic science and philosophy**, including unsuccessful science of consciousness, are based on localism according to which we can deal only with what is reachable for our senses and testable in practise. As local touch interactions between flows coming from outside and our body (eye, ear, skin, tongue and nose) cause our sensual perceptions, we deny the existence of non-local direct connections (interactions). But this is a great mistake as just invisible direct non-local quantum connections (dipoles) unreachable for our senses and instruments represent the true essence of everything and follow naturally and clearly from the dialectical logic reachable for our **Mind**. Positivism refused **dialectical** and accepted only **formal logic**. Positivistic science declares that the reality, unreachable for our senses and instruments, is **metaphysical** and the true science cannot accept it. According to this declaration, contemporary theoretical physics is metaphysical producing realities unreachable for our senses and instruments like virtual bosons, quarks, gluons, gravitons, strings, ten-dimensional spaces, multiverses, baby-universes, our copies in multiverses, black holes, warm holes, dark energy, realities hidden under the Planck scale and others. Contemporary theoretical physics creates its theories from **irrational** speculations while direct non-local connections (dipoles) follow just directly from **rational** dialectical logic as well as quantum physics known as **entanglement**. Only science based on understanding of direct non-local connections as well as the Unity Principle can be really true. It is time to overreach limitations of atheistic positivistic science and build true fundamentals of science based on dialectical logic and spiritual insight into the reality. This new science can give a true explanation of the essence of our Universe, God, life and our consciousness (spiritual soul). Blind positivistic and materialistic localism cannot do it. Positivism has achieved a high level of irrationalism at present time. Materialism and atheism are blind accepting only a limited physical reality manifested through mechanical local interactions.

The Unity Principle and Occam's Razor

It is impossible to have a simpler relation than attraction and repulsion of opposites (+/-) which the whole reality is made of, where every "+" is connected to all "-" and reciprocally. This Unity Principle is the clearest manifestation of Occam's razor and results just directly from dialectical logic of thinking reflecting the dialectics of existence. The highest complexity of the Universe is created of the highest simplicity of bipolar relations (+/-). Only direct non-local connections of everything to everything can allow the existence of life as a self-reflection (consciousness) of very complex self-closed structures - subjects. As everything is reflected in everything else, the whole Universe as a Unity represents a self-reflecting (self-mirroring) system of the highest complexity, it means the self-consciousness of personal God. God creates Himself and His multilevel Universe of basic bipolar relations – quantum dipoles (+/-). A free quantum dipole (+/-) is a quantum of light (photon), so we can say that God, being the Light (energy), creates everything of His own Light (energy). The complexity and universality of objective side of the Universe comes from its Unity - individuality and subjectivity of personal GOD as a "subject-object" relation (dialectics). We do not need to create speculative theories like "**Theory of Everything**" or "**Theory of Unified Field**" but we need to understand deeply the exact and simple mechanism of the **Unity Principle**.

We need to know the simple TRUTH!

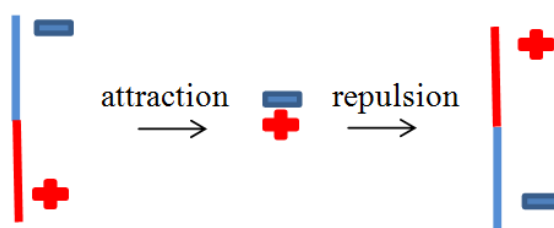
"Someday we'll understand the whole thing as one single marvelous vision that will seem so overwhelmingly simple and beautiful that we may say to each other: 'Oh, how could we have been so stupid for so long? How could it have been otherwise!'"

J. A. Wheeler

The quantum structure of basic particles

Elementary particles are not compact corpuscles without internal structure but formations with more or less composite structures of their internal quantum connections (dipoles).

Photon γ (+/-) made of one oscillating quantum dipole is the simplest particle:

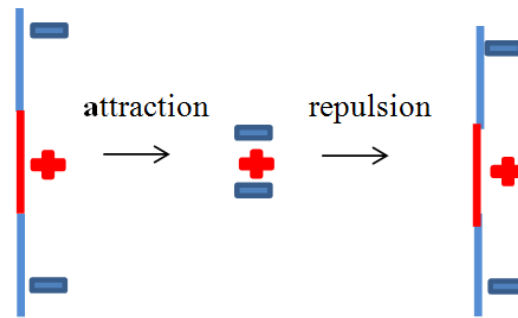


Photon as a quantum of radiation (light) is a free elementary quantum dipole +/-, which thanks to mutual attraction and repulsions of its opposite poles, performs a permanent **oscillation (vibration, pulsation)** manifesting outwards as an **electromagnetic wave** during a flight. This fact is a consistent and factual explanation of the **“wave-particle” duality** of the light as only a bipolar dynamic unity of opposites can result in oscillation (motion, energy) of a photon. Photon is an elementary quantum **oscillator**. Its simplicity 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, 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 [7].

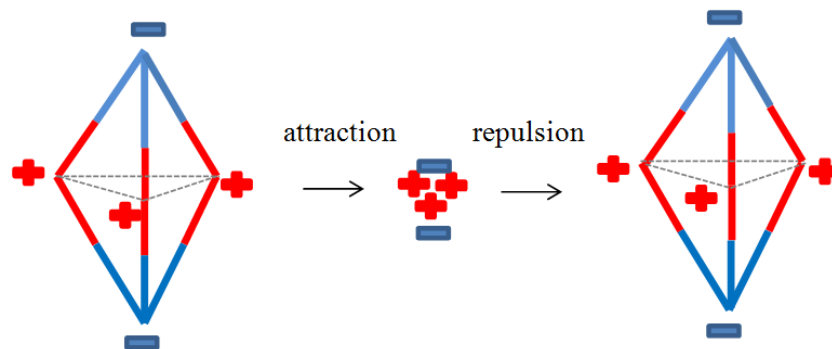
PHOTON = FREE OSCILLATING QUANTUM DIPOLE (+/-)

All other material objects represent bound forms of energy, so their basic constituents are mutually bound quanta of energy made of quantum dipoles (+/-) = photons. Elementary particles cannot be point-like entities without any internal structure, as their different qualities (charge, spin, amount of mass and energy) can be only the consequence of their different structures made of bipolar relations (+/-). They are made of photons (quantum dipoles) bounded in more complicated structures. Particles are neutral if the number of their positive and negative poles equals. Particles with prevalence of positive poles are positively charged (e.g. proton) and with negative ones - negatively charged (e.g. electron).

Electron e^- (+/2-) is made of two quantum dipoles:

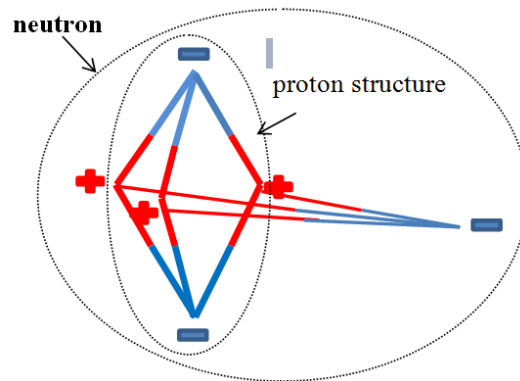


Proton p^+ (3+/2-) is made of six elementary quantum dipoles:



Stable particles oscillate in one line (axis of oscillation) to the one common centre (during attraction). All dipoles of a proton are very energetic (short and strong) so their forces of mutual attraction and repulsion can compensate mutual local repulsive pressures of spaces of quantum dipoles in such a way that the proton is the most stable composite structure. The proton can be destroyed only by its annihilation with an antiproton.

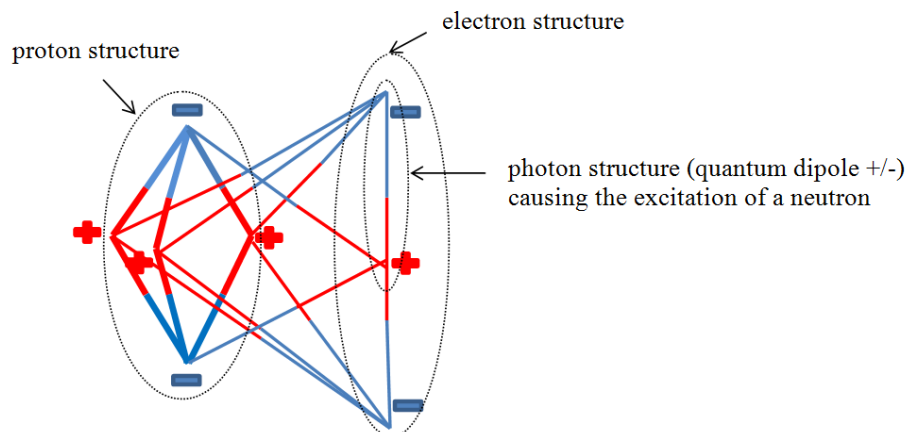
Neutron n (3+/3-) in its basic state (not excited) is made of nine quantum dipoles:



Inside a neutron we see can the structure of a proton with very short end strong quantum dipoles. One negative pole is connected to three positive opposite poles by much weaker and longer connections, so it can be released from this structure during beta decay.

Photons are able to join with elementary particles (e.g. protons, electrons, neutrons and others) taking them into excited states. So particles can be in their basic states as well as excited ones.

Neutron n (4+/4-) in its excited state is made of sixteen quantum dipoles:



The neutron (4+/4-) in its excited state with sixteen elementary quantum dipoles represents a bound state of a proton (3+/2) with six elementary quantum dipoles and an electron (+/2-) with two quantum dipoles. Eight quantum dipoles represent the mutual quantum connections between the proton and electron structures. The neutron is not as stable as a proton as its structure and internal motions are more complicated having more than one centre of oscillation. After its excitation by one photon, it decays into a proton and an electron. All other particles and their mutual interactions are described in detail in my paper [3].

Particles and physical objects do not move “in” a free space-like vacuum, but thanks to their external direct connections, they move “towards” all other parts of the Universe. We do not need any **background** to allow particles to move. All particles, interactions, force fields and the vacuum are created of elementary bipolar quantum connections. As everything is connected to everything else, so every part moves towards all others thanks to their mutual connections. The vacuum consists of elementary quantum connections between particles and

physical objects. All interpretational problems of quantum physics follow from its attempt to describe the motions of elementary particles “in” space represented by a coordinate system.

Nothing exists in space as everything creates space! Nothing moves in space as every part moves towards all others thanks to their mutual quantum connections!

You do not move in space, you move only in relation to all other parts of the Universe thanks to your direct connections to them.

Every elementary quantum dipole (+/-) creates the elementary quantum of space.

Evolution of the Universe, its Space and Time

The physical Universe is a limit of “something = God” thanks to which it curves and closes remaining without any own limit. The fourth dimension (subjectivity) is a necessary condition for curving and closing the three-dimensional space of the physical Universe.

The physical 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 Universe differentiates itself in such a way that a new negative pole “-“ is expelled from all existing positive poles “+“ and consequently, new positive pole “+” is expelled from all existing negative ones “-“. The Universe is an expanding network of quantum dipoles (connections). During cosmic expansion, the cosmic 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 the cosmic contraction. Then the repulsive force passes to its passive stage, and as a reaction to an attractive one (being now in its active stage), manifests itself as a global cosmic antigravity. During a 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 to all “-“. So, in the second state, we have four quantum connections (+/-).

1. The first quantum state of the Universe: $\frac{+}{-}$

2. The second quantum state of the Universe: $\begin{matrix} + & - \\ \square \\ - & + \end{matrix}$

Creation of a new pair (+/-) means 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, but in order to simplify our analysis we consider only quantum transitions between symmetrical quantum states, when two new poles are created. The Universe in its symmetric

quantum state **k** consists of **k** positive and **k** negative poles with **k²** connections – elementary quantum dipoles.

Space is created of elementary quantum connections and their number defines the volume of space.

The dynamic network of quantum dipoles represents the unitary field which Einstein was unsuccessfully finding in his theory of unified field. This network can be easily described by the matrix in which lines represent positive poles, and columns – negative ones. Points of intersections represent elementary quantum dipoles as connections of opposite poles. Cosmic quantum transition (jump) from one symmetric quantum state to the next during a cosmic expansion can be described by addition of a new line and column (k+1). New points of intersections represent new quantum dipoles created during an elementary quantum cosmic transition (jump):

The table of increasing cosmic network of quantum dipoles during cosmic expansion

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

All new created quantum dipoles (+/-) are weaker and longer than existing ones being under the direct control of divine creative activity. The newest quantum dipoles, being longest end weakest at the same time, represent the threads through which God manipulates, managing the evolution of expanding Universe. As this action is now, in contemporary phase of cosmic expansion, very gentle, it looks like it does not exist. The evolving physical Universe is managed according to divine Idea (Word) and consequently reflected in a divine Mind. At every consecutive cosmic quantum jump the divine Idea (intention) determines where, meaning to what distance from every existing quantum pole, a new opposite pole is to be expelled. The enormous number of possibilities for conscious decisions at every stage creates the unbelievably reach field for a free will. Every self-conscious subject has a free will for his decisions what reality he will reflect and create in his imaginations and how he will interact with the world.

The basic quantum equation of the expanding Universe is:

$$V_k = k^2 \quad \text{where:}$$

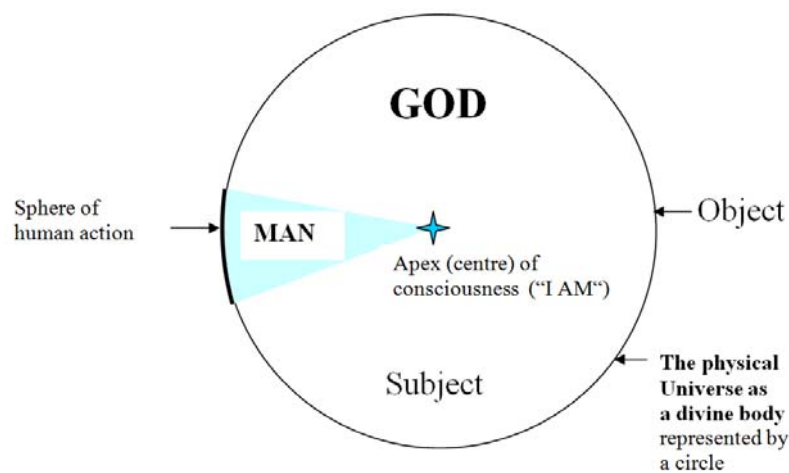
- V_k** - volume of cosmic space given by the number of quantum dipoles,
- k** – number of positive (or negative) poles as well as the number of elementary quantum jumps of the Universe from the beginning of its expansion and representing the cosmic time

This basic quantum equation reflects the internal differentiation and structuration of the Universe creating thus its own expanding space and flowing time. The detail analysis of this quantum equation with its interesting and important consequences is made in my papers [4],

[5]. Of course, this equation can show only how three-dimensional space of the Universe is evolving in time, but says nothing about how a divine Idea (Mind) is implemented into the physical structure of the Universe.

God and His Universe

God contains His whole created world in Himself as a subject-object relation, where subject represents the centre (unity) of the world through which God performs His self-reflexion. Unlimited GOD as a subject has His limit (manifestation) in His world (object), which is again unlimited. The relation between God and His physical Universe can be imagined:



God is expressed as a four dimensional reality limited by His three-dimensional space, which is closed, having no limit. The above picture is only an illustration of God, where the four-dimensional reality of God represents His subjectivity (Spirit) manifested through His three-dimensional space of the physical Universe. It means that every elementary quantum dipole is not only a holder of elementary quantum of three-dimensional space but, at the same time, it is a four-dimensional quantum of divine Spirit (consciousness).

The relation between God as a subject and Nature (Universe) as a divine object is, at the same time, the relation between inside and outside, one cannot exist without the other. The physical Universe has not its own centre, which is everywhere, in it is self-reflecting Unity (subjective side), where everything is just HERE and NOW. God is always here (everywhere) and now (in every time). Personal **God is a self-creating, self-reflecting and self-knowing Universe**. God acts through the whole Universe, which creates His body (soul), while Man acts through his limited multilevel physical body (soul). The subjectivity and spirituality (self-consciousness) of personal God is the source of our spirituality. Divine Holy Spirit = "I AM" is the source of human spirit = "I am". The centre of the Universe is in our spirit (our Self), in our "I am". I am in the centre of my world, my Universe. My consciousness creates my world according to my creative imagination and active will. 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, but I can manifest throughout my body-soul. Only the world of my consciousness is real with its imaginations, inspirations, feelings, emotions, knowledge, concepts, desires and goals. The outside objective world is my mirror through which I perform my self-reflection. It represents the other side of me and I can "see" it only through my consciousness (subjectivity).

Father – Son – Holy Spirit

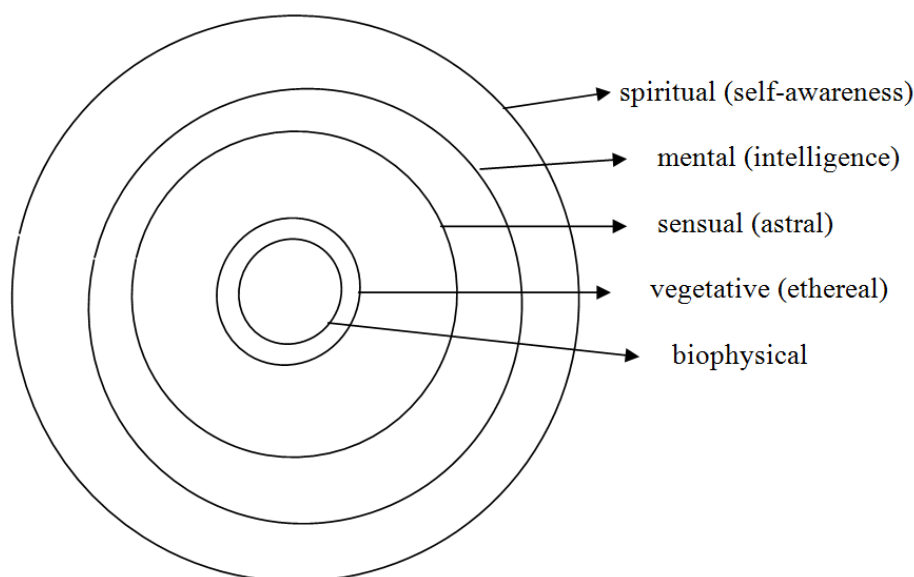
God as the Father is a starting point of everything. Everything is in Him and He is in everything. He is a self-reflecting Unity of His Universe, the self-knowing, self-conscious and self-creating Person. God as a whole differs Himself into the **Creator** (Son, Christ) and the **Creation**. The Christ (Son) is a quantum structure of the highest spirituality of personal God, His top self-awareness creating His whole multilevel Universe from His own Light (energy). Through the Christ (Son) God relates to His Creation and “looks at it”. Holy Spirit is the highest divine level of self-consciousness “**I AM**” creating the spiritual essence of the Son and the Father as well as the relation of the Son to His Creation. Through the Holy Spirit the Father is in the Son who is in the Father. Everything is made of elementary quantum connections – quanta of energy (light) creating the quantum structure of the whole Universe (Father) as well as separated self-closed subtle quantum structure of the Son (Christ) together with His connections (Love) to all other parts of the Universe, especially individual spiritual subjects. Our souls are such self-closed individual quantum structures, through which our consciousness (“I am”) is manifested creating our spiritual individuality. There is only One personal God, but He can manifest as the Father (self-conscious Unity of everything), the Son (Creator in His relation to the whole Creation) and the Holy Spirit (I AM).

Through Jesus’s biophysical body the divine Son – Christ was manifested on our Earth. Jesus united the human soul with the divine Spirit enriching it by experience of human feelings, emotions and human pain. In Jesus the close quantum connections between His human soul and the Christ became the part of a new quantum structure of divine Spirit. By Jesus the gap between God and Man was bridged so that the divine Son Christ became Jesus Christ - the true way to God and His Kingdom.

Multilevel Hierarchy of Existence

God operates through the whole physical Universe at its various levels made of different energetic and information structures. Our body (soul), as well as the whole Universe, consists of the following hierarchical levels made of quantum dipoles of different intensity:

- biophysical and vegetative
- sensual (astral)
- mental (intelligence)
- spiritual (self-consciousness – emotion, mind and free will)



All these levels, including mental and spiritual souls, are self-closed and self-reflecting physical (energetic) structures mutually interconnected and made of elementary quantum dipoles – photons (+/-). They define the sphere of physical reality through which we operate just directly. So the physical Universe is hierarchic, as well as our bodies-souls are. The Heaven is also physical, but located at higher levels of cosmic hierarchy created of much weaker and so subtle quantum connections unreachable now for our corporal senses and measuring devices. Human consciousness operates through all these levels, but now it looks like it acts only through the biophysical reality achievable for our five corporal senses. Corporal death means only that human consciousness finishes its acting through five biophysical corporal senses and starts to operate through astral as well as mental and spiritual levels.

The multilevel body-soul, through which the consciousness operates, differs by the range, richness and depth. Plants acts only through the biophysical and vegetative level, while animals include also sensual level and some aspects of mental one, only human consciousness acts throughout all levels of hierarchy. Only through spiritual soul (Mind and Emotion) as the highest level of hierarchy we can manifests our self-consciousness. Animal souls do not possess the spiritual level (self-conscious “I am”) which is outside and leads them through their instincts as their external agent. Animal souls are not self-conscious, they are only self-feeling and sensual, possessing some mental aspects. The biophysical layer of human consciousness is represented by neuron networks of brain and nervous system, while vegetative and sensual bodies represent the networks of subtle quantum connections (dipoles). These layers are also present in an animal soul, but only a human soul has a spiritual level, so it is immortal in its unity with the Spirit. Through the human biophysical body the Spirit can experience a big range of feelings and emotions otherwise unreachable. These feelings and emotions create the human psychic that allows the soul to experience various states of consciousness from the highest beatitude to despair, from love to hate, from clear mind to confusion, from enthusiasm to apathy, etc. The spiritual and mental soul is connected to a biophysical body through the astral (sensual) and ethereal (vegetative) souls. All levels of human body-soul represent relatively separate complex structures made of elementary quantum dipoles of different intensity, but all they are mutually interconnected, as everything is connected to everything, and create the unity of a human being.

We cannot say that our spiritual souls are embodied in our biophysical bodies as they are only in a close mutual connection. OBE (out-of-body experience) is just the evidence that the spiritual and mental soul together with its astral body can free its close connections to a biophysical and vegetative body. Very interesting are also experiments carried out at Ljubljana, Slovenia, presented by Amrit S. Sorli in the paper [11] showing that after the death of living organisms their weight decreases. It means that higher quantum structures (vegetative and astral bodies-souls) are released from their biophysical bodies carrying away a certain mass (vital energy).

Our self-closed and self-reflecting spiritual souls highly overreach our limited physical bodies and can penetrate the whole Universe thanks to mutual quantum connections. Our close connections to the highest spiritual soul of Jesus Christ are the source of our spiritual inspirations and high human qualities (love, wisdom and creativity) leading us to the Kingdom of Heaven.

My biophysical body together with its vegetative sphere is developing according to information coded in DNA, while my astral body-soul is already finished immediately after my conception, because my DNA contains the full information for evolution of my biophysical body creating its astral image (astral body) according to which my biophysical body is evolving. At the moment of conception the complex quantum structure of my spiritual soul is created possessing a spiritual spark for my spiritual development during my life. The whole human individuality with all its hierarchical levels, including spiritual soul, is created at the moment of its conception waiting for its future development, so a pseudo-humanistic advocacy of abortion cannot deny that it is just a killing of a human being having obtained no chance for its spiritual evolution on Earth.

Jesus said: If they say to you, 'Where have you come from?' say to them, 'We have come from the light, from the place where the light came into being by itself, established itself, and appeared in their image.' ²If they say to you, 'Is it you?' say, 'We are its children, and we are the chosen of the living Father.' (Thomas, 50)

“The light comes into being by itself” – it means that the Light (Universe) differs itself by creation of new and new quantum dipoles (photons) from already existing ones during cosmic expansion. The quantum structure of human spiritual soul is formed during a conception just from these new created quantum dipoles, which are very subtle and weak. So we need lower levels including biophysical body to take energy from them and so strengthen and form our spiritual souls during our spiritual development on Earth. In contemporary stage of cosmic expansion this is the only way how to create new spiritual beings unlike early stages of cosmic expansion when the new quantum structures of angelic spiritual souls were enough energetic to be fully self-aware at the moment of their creation.

Mind-Body Dialectics

The greatest mistake of idealistic and theological philosophy is an assumption that spiritual means immaterial or unphysical as well as materialistic declaration that our consciousness is only a function of our biophysical brain and its activity. The knowledge of the Unity Principle can show quite clearly that everything must be physical including personal God and our spiritual souls. As everything is made of elementary quantum dipoles +/- including our spiritual souls, there is no “mind-body” dualism, but only “subject-object” dialectics. Our spiritual souls are physical as they represent the self-closed quantum structures of high complexity made of subtle elementary quantum dipoles (connections).

Spiritual does not mean unphysical. It only means a self-conscious subject with its Mind, Emotion and Will.

God is spiritual because He is universal self-conscious “I AM” and “I WILL”, but He is at the same time physical, performing His self-reflection through His physical soul - the physical multilevel Universe. God is not outside His physical Universe, He is in it, which is in Him. God represents the self-reflecting and self-conscious Unity of His physical Universe.

The physical Universe (object) is united in God – subject in which the whole unbelievably rich complexity of the Universe is just present. Only through energy God can manifest His creative Will by creation of His own world. Energy of the Universe is energy of divine Consciousness. Its quantity as a basic quantitative characteristic of God and His Universe 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 the World.** God is just the Light (energy) that everything is made of.

The Heaven as a part of the whole multilevel physical Universe is also physical and made of subtle quantum dipoles (structures) unreachable for our temporal biophysical senses. Thinking as a spiritual activity is at the same time a physical activity. Divine thinking is a creative activity, through which God creates the reality at all levels of His hierarchy. At the level of biophysical reality it is manifested through the creative evolution of life on Earth. The whole physical Universe represents the physical body of God although it seems that it has its own independent existence. It is because now, in contemporary phase of cosmic expansion, God manifests markedly through His very long and weak (subtle) quantum connections (dipoles). New quantum dipoles arising during cosmic expansion are just threads through which God perpetually manages the cosmic evolution according to His own creative Intelligence (Word) which is gradually included into the evolving information structure of the physical Universe. So the informational structure of the Universe represents the imprinted and encoded creative power of divine Intelligence which is the source for creative evolution at all levels of the physical reality including our Earth.

Divine Consciousness is a starting point of everything playing the primary role in relation to its physical manifestations. It is not impersonal cosmic consciousness but divine Consciousness of personal God as a subjective (self-reflecting) Unity of everything, who creates His own physical word (Universe) by internal structuration and differentiation (evolution). So Consciousness as a self-reflecting Unity represents the essence of existence with its basic elementary constituent – bipolar relation of opposites (quantum dipole).

Human body consists of all above mentioned hierarchical levels through which human mind can operate (biophysical and vegetative, sensual, mental and spiritual) although now it seems

that it operates only through biophysical level. After the death of our biophysical and vegetative body, the level of physical sphere, through which our mind (spirit) will operate, will change to the level of astral, mental and spiritual reality and we will interact with it mainly by direct non-local quantum connections in contrast with contemporary local touch sensual interactions. Even now on Earth some people have the ability of **direct conscious (mental) action** at objects (**psycho-kinesis**) or people (**telepathy**) through direct quantum connections. There are also other paranormal phenomena confirming the direct action of consciousness at the physical reality.

My spiritual and mental soul just creates my true essence, my self-consciousness. Its development depends on my volitional and creative effort. I am determined by my consciousness. I am in it and it is in me. The evolution of my spiritual soul during my life means its internal differentiation and enriching in order to achieve the highest possible level of my self-consciousness with all its aspects: emotion (love), wisdom (knowledge) and free will (freedom and creativity). My biophysical body with its brain is just the instrument through which I evolve my spiritual and mental soul. I need it to my evolution during my life. But the main aim of my life is to evolve and prepare my spiritual soul to come close to the highest Spirit (Christ). The spiritual spark in my soul is a divine gift for me in order to form it to the level able to accept the divine Holy Spirit and prepare my soul for God as my gift for Him and for myself. Our way to God is the way to the highest level of wisdom, love, spiritual freedom and creativity representing the true sense of our life on Earth.

Materialists accept the mind as only a function of brain activity producing my subjectivity, my "I am" as its function. Yet, I accept my brain and biophysical body only as my instrument and temporary ownership that I use to play my own game in my life on Earth developing my own spirituality. The brain is an instrument for my acting at the level of biophysical reality. It can only limit me in my effort to evolve and manifest my own intelligence, my mind. But it is remarkable that it has been developed to the level of nearly no resistance for evolution of my intelligence and creativity. How much idle reserves it hides inside, they are only waiting for their usage! What a foresight is hidden in its evolution! This foresight is just the evidence that evolution is not blind but creative. The spiritual soul (human consciousness) forms holistic imaginations. Creative thinking activates electrochemical processes in a brain and its nervous system accompanied by the flow of holistic spiritual imaginations. Only through brain activity spiritual ideas, plans and aims can be converted to the physical activity of my body, and reciprocally, the external energetic influences are transmitted and transformed to the flow of holistic spiritual imaginations (pictures, sounds, tastes, emotions, thoughts, etc.). A biophysical aspect of memory is needed mainly for fixation and coding the kinetic habits that can be manifested later almost automatically. We cannot manifest physically a number of our imaginations if we have not developed the needed physical skills. I cannot transfer the imagined music to singing or playing if I have not trained the required habits, I cannot paint a beautiful picture in my mind without consequent skill. The imaginative, intellectual and emotional world as a product of spiritual soul is the greatest miracle of human existence. What a complex physical organism with its brain had to be evolved to manifest the spiritual world at the level of Earth!

Self-consciousness, mind, emotions, will and conscience are the exclusive abilities of spirit and its soul. Through mind (rationality) the spirit is oriented to the objective world in order to know and accept it. Through emotions (spiritual heart) the soul is oriented to its spiritual subjectivity.

Rationality and emotionality are two opposite orientations of spirit and its soul:

- **through local touch interactions perceived by five corporal senses, which create the sensual level of consciousness, the objective world is mediated to our consciousness from “outside” and knowable by our rational thinking,**
- **the subjective spiritual world of consciousness, manifested by our emotionality, intuition and spiritual insight, operates through non-local quantum connections penetrating the whole reality**

Two brain hemispheres correspond to this differentiation. The left hemisphere is oriented to abstract analytical thinking and objective world, while the right one – to emotions and intuition. Man is wise if both his rational and emotional intelligences are highly developed.

Man combines sensual and spiritual consciousness in himself. The higher is his spiritual consciousness with its free will, the more free and developed he is. Consciousness creates the world quite different from the physical one. Matter as such represents only energy vibrations while the spiritual world of consciousness is full of feelings, thoughts, emotions, pictures, melodies, colours, tastes, scents, concepts, ideas, inspirations and imaginations. Human consciousness has a great imaginative ability with its consequent creativity. If imaginations follow from spiritual inspirations, man can create fascinating artistic and spiritual products bearing a stamp of spiritual spark and originality, sometimes even genius.

For everybody only his subjective world is really true. Real are states of his soul – pleasure, sorrow, pain, enthusiasm, despair, love, fear, hate, peace, anger, feelings, imaginations, etc. Spiritual “*I am*” represents the highest reality and the truth. The objective world is only an outside mirror for self-reflection.

Consciousness is a unity of self-closed and self-reflecting system of high ordered complexity made of elementary quantum connections – dipoles (+/-).

Entropy and Syntropy as aspects of the Unity Principle

The knowledge of the Unity Principle can give new insights into the law of syntropy. From the viewpoint of the whole Universe, entropy and syntropy are in mutual dialectical relation. Expansion of the Universe is a consequence of its internal differentiation and structuration accompanied by the decrease of its average energy density that physicists interpret as the increase of entropy of the expanding Universe. But, on the other hand, it means the increase of its ordered complexity and information richness united in a divine Consciousness and so the increase of cosmic syntropy. The increase of entropy of energy, represented by the decrease of its average density, means at the same time the increase of internal structuration and differentiation, so the increase of syntropy of the whole Universe. Entropy and syntropy are two faces of the coin in this case.

But if we want to study the relations between entropy and syntropy at various systems and levels of reality, we have to notice the principal difference between two basic physical interactions:

- **local mechanical (touch repulsive pressures)**
- **quantum non-local interactions**

While local mechanical interactions (repulsive pressures of quantum dipoles) are manifested by the law of entropy (dissipation, disintegration, disorder and destruction), non-local

quantum connections are responsible for the dominant role of the law of syntropy (differentiation, structuration, growth of complexity, life, consciousness and creation).

The law of entropy (second law of thermodynamics) is manifested only through mechanical processes in thermodynamic systems where pressure, density and temperature tend to become uniform over time as they result from local mechanical collisions and mutual pressures of its particles (local interactions). A formal mechanistic approach, refusing the existence of non-local interactions, leads to the false impression about the determining role of entropy in the behaviour of the whole Universe. But local touch interactions between objects represent only a subsidiary aspect of reality made of direct non-local quantum connections. High binding energy of structures like protons cannot freely flow to energetically weaker structures like electrons or even the vacuum. Even gravity contradicts the law of entropy as it causes matter (energy) to flow from places with its low density to those with its high concentration. The Universe is not mechanical (entropic) but dialectical (syntropic) built according to its Unity Principle where the law of syntropy plays the dominate role as a manifestation of divine creativity.

The Universe as a whole transits from one quantum state to the following, it means, there is only one basic **cosmic time defined by elementary quantum cosmic jumps** where every actual quantum state defines the simultaneity for the whole Universe. This fact excludes the possibility of the Universe to have two different flows of time – forward and backward. The retroactivity presented in the theory of syntropy [10] as a flow of energy from the future to the past is a seeming phenomenon. If our nervous system shows pre stimuli activations, it means that it is informed in advance through direct **non-local quantum** connections about stimuli that will appear in the future as **local interactions**. As our emotional level reacts to them through the nervous system in advance, we suppose they come to us from the future like effects appearing before their causes. Yet this information is not coming from the future but from higher subtle levels, even from the spiritual emotional one, and is mediated just through present direct non-local quantum connections (dipoles). Our sub-consciousness, connected to the whole reality, can “feel” in advance through direct quantum connections representing the “invisible reality”, what reality will be later manifested at the “visible” level. On this basis some people can forecast or feel the events that will appear later at the “visible” reality. Processes that look like random at the visible “objective” level are not quite random at the quantum invisible emotional subjective level. On the other hand, our emotional or thinking activity concerning the future facts can influence them from higher spiritual quantum levels (emotions, thinking) in such a way that they will appear later at the “visible” level in a form evoking the impression that information of them we have already obtained in advance. It means that the **future** in contemporary theory of syntropy is the **presence** at higher hierarchical levels of quantum reality from the viewpoint of the Unity Principle reachable for our subjective intuition. This comparison does not mean my critics of the theory of syntropy, just contrariwise, I highly appreciate its ideas and breakthrough experimental results showing clearly that the true reality is quite different from that presented by contemporary positivistic and post-positivistic science, which mechanical materialistic paradigm have to be changed dramatically. I am sure the knowledge of the Unity Principle can support the theory of syntropy in the sense of its simplification, clarification and importance as it shows that syntropic processes based on direct non-local quantum connections are primal, dominant and fundamental, while entropic ones, based on local mechanical touch interactions, are only subordinate.

Entropic mechanical processes lead to disintegrations of systems, while syntropic ones - to their evolution and reinforcement. Our biophysical body with its vegetative level represents a

dynamic equilibrium between entropic and syntropic processes. A biophysical body functions mainly through mechanical processes – e.g. flows of blood or electric signals in a nervous system, while the vegetative level represents its quantum superstructure of non-local quantum connections managing automatically the vegetative processes in a human body. Both these levels (biophysical and vegetative) create an inseparable unity, so that the death of biophysical body leads consequently to the gradual decay of its quantum vegetative superstructure. The death of biophysical and vegetative body is a consequence of superiority of entropic destructive processes over syntropic ones. Quantum superstructure of vegetative level is not enough strong to prevent the destruction of biophysical body. Quite different is the situation regarding our spiritual and mental soul together with its astral (sensual) body. Our soul represents a self-closed quantum structure of high complexity made of very subtle quantum dipoles mutually interconnected into the indestructible unity (our subjectivity and individuality), because the mutual local repulsive pressures (entropy) are so weak that cannot destroy our spiritual soul. At this quantum level the syntropy plays the dominant role guaranteeing our immortality. The soul frees its close quantum connections to the biophysical body after its death and starts to act at higher and more subtle levels of physical reality. The quantum structure of spiritual and mental soul is created at the moment of our conception and uses the energy of biophysical body for its own evolution during its life on Earth in order to become stronger, freer and conscious. Our biophysical body is a product of creative evolution of life on Earth, but not our spiritual and mental soul, which is created at the moment of our conception defining our human personality and developing during our life on Earth. Our subjectivity (unity) comes just directly from the subjectivity (unity) of personal God and, being fully syntropic, cannot be destroyed by entropic processes in our biophysical body.

Only mechanistic approaches to the study of evolution can lead to the false conclusion that evolution is a blind process following from the postulates of Darwinian or Neo-Darwinian theories. **Evolution** of the Universe at all its hierarchical levels is a **syntropic creative process** because the Universe is a living body of personal God, so the evolution is oriented to the highest levels of Consciousness (I AM), spiritual creative power and freedom, representing the final goals.

Information plays a crucial role in syntropic creative processes. **Information is a reflection of something in something else, it means communication.** The elementary quantum dipole (+/-), thanks to its bipolarity, represents the elementary quantum (bit) of information and the Universe is a living divine energy-information organism of the highest complexity. From the viewpoint of information, the Unity Principle can be expressed by the following sentence: **“Everything communicates with everything else”**.

Physics deals only with physical (energy, matter, space and time) aspects of reality and knows nothing about its information essence which is much more important. Physics cannot see this **informational aspect as a manifestation of divine Mind (Imagination)**. The increasing cosmic network is at the same time the increasing information structure to which the creative divine Mind imprints its Idea – Word – Intelligence. Creative consciousness of God creates unceasingly its own world that reflects and interprets by His Imagination. This eternal communication of God with Himself is the information process at the highest levels of divine game, which of course, is manifested at all hierarchical levels of reality with many active conscious players.

The Universe as a whole looks like 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 choices are to be performed among enormous

number of possibilities. Intensions and decisions, through which God manages the evolution of the Universe, manifest His creative free WILL which is limited by the actual state of the Universe and possibilities existing at every step of cosmic evolution. There is huge number of possibilities for a free choice at every step of cosmic expansion. 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 – divine Mind) reflecting the divine goals to which the cybernetic process is directed. Information is a holder of **creative power** of consciousness. Creative divine Mind is incarnated into **the information structure** of the whole Universe, from which the needed information is gradually scanned and transformed to the evolving coding system of DNA. Creative evolution on Earth is managed through genetic mutations which variations result in an enormous diversity of living organisms. The process of mutations and selections is not blind but organised according to already existing and gradually evolving information coded in the quantum information structure of the whole Universe. Living forms evolving on Earth have their ideal forms (quantum structures - **attractors**) situated at higher subtle levels of the Universe (divine Mind). The richness of life with almost infinite number of beautiful living forms on Earth is just a clear manifestation of unbelievably high creative Intelligence of Nature as a direct consequence of the highest Intelligence of personal God who represents the **final attractor** towards which the whole syntropic process of human spiritual and social evolution is oriented. The closer we evolve towards God, the more conscious, happy and free we become. Jesus Christ expressed this by the words: **“I am the way and the truth and the life. No one comes to the Father except through me“ (John 14:6)**

Evolution of human consciousness is impossible without evolution of society as only a social life can create conditions for rich and complex manifestation of spiritual nature of Man. Man as individual as well as social human being evolves his spirit (self-consciousness) through his social activity, volitional efforts, individual abilities and social conditions. People differ according to the level and contents of their souls, so they can stay at different levels of individual spiritual evolution. The main goal for everyone should be the highest level of spirituality coming from God (Jesus Christ) in order to achieve the Kingdom of Heaven (spiritual freedom) not only in our individual souls but also in a social organism. Human desire for heaven heights of spirit cannot be destroyed as it is a basic motive power of individual as well as social development. The higher is the level of society the more complex are material and spiritual needs and relations of their members. The more differentiated they are the more mutually linked is the social organism. Mankind must realize that its future progress does not need destructive fights between separate parts but a mutual cooperation and coordination in order to achieve the high level of richness and freedom. Not only separate geographic regions but all spheres of human activity like economics, politics, science and technology, informatics, culture and faith are becoming more interconnected. Social evolution accelerates thanks to the grandiose increase of information processes playing the crucial role in the law of syntropy. It is impossible for the Spirit to be a loser, so its final victory is inevitable. God brings a true sense to our life being the Way, the Truth and the Life. Mankind is awakening from the dark long-lasting materialistic sleep and the darkness of the 20-th century is to be replaced by the spiritual Light of the 21-st century.

The knowledge of the law of syntropy should lead to the increase of human dignity in order to accept again Man as an immortal spiritual being whose spirituality follows directly from the spirituality of personal God. Contemporary science based on materialistic positivistic and atheistic paradigm and ideology degrades Man to the position of mortal, self-aware and egoistic animal subordinated to Neo-Darwinian postulates, according to which we are only

by-products of activities of selfish genes and our lives are nonsensical doomed to their total destruction. Such false “scientific” theories and ideologies, degrading our human dignity coming from God, represent a great danger for mankind. The earlier they will collapse the better. Our mission is to help with this by presentation of the true knowledge.

Conclusion

Without understanding of the exact mechanism of the Unity Principle we cannot find true answers to basic questions of existence according to which everything is made of bipolar relations “+/-“, where every “+” pole is connected to all “-“ and reciprocally. All objects as well as living subjects represent physical structures made of elementary quantum connections. They differ only by their complexity and energy contents. The physical objects reachable for our corporal senses are made of energetic particles like protons and electrons. Our spiritual souls represent self-closed and self-reflecting quantum structures of high complexity made of very subtle quantum dipoles. Our subjectivity (unity of complexity) comes directly from the subjectivity of personal God.

The knowledge of the Unity Principle and its manifestations is a base for a new true science, philosophy and theology including theoretical physics, biology, sociology as well as science of consciousness. It will start a great revolution in human knowledge as it gives the true answers to all basic questions of our existence. The earlier Mankind will know the Truth the better for its destiny!

References

- P. Kohut, God and the Universe, VDM Verlag Dr. Muller, Saarbrucken 2011.
www.amazon.co.uk/God-Universe-Revolution-Peter-Kohut/dp/3639331044
- P.Kohut, Theoretical Physics in Crisis,
http://www.worldsci.org/pdf/abstracts/abstracts_5375.pdf
- P.Kohut, The Bipolar Structure of particles and interactions,
<http://vixra.org/pdf/1204.0061v1.pdf>
- P.Kohut, The Basic Space-time Equation of the Universe,
www.worldsci.org/pdf/abstracts/abstracts_5367.pdf
- P.Kohut, The Cosmic Expansion and its Consequences,
http://www.worldsci.org/pdf/abstracts/abstracts_5366.pdf
- P.Kohut, The Unity of Newton’s and Coulomb’s Laws,
http://www.worldsci.org/pdf/abstracts/abstracts_5377.pdf
- P.Kohut, The Nature and Speed of Light,
http://www.worldsci.org/pdf/abstracts/abstracts_5378.pdf
- P.Kohut, The Physical Universe as a Quantum Information Structure,
<http://vixra.org/pdf/1204.0001v1.pdf>
- P.Kohut, Quantum Entanglement, its Nature and Manifestations,
http://www.worldsci.org/pdf/abstracts/abstracts_5379.pdf
- Antonella Vannini and Ulisse Di Corpo, $E = mc^2$. How Einstein Swept Retrocausality under the Rug, <http://www.lifeenergyscience.it/EdgeScience.pdf>
- Amrit S. Sorli, The Additional Mass of Life,
<http://www.journaloftheoretics.com/Articles/4-2/Sorli-final.pdf>