

## Brilliance of magnificent Tesla technology

In the text "Nikola Tesla's Etar Technology" [1], we have shown that the principles of Nikola Tesla's Magnifying Transmitter and, in fact, all of his technologies after completing his research in Colorado Springs and the findings of "Stationary Waves" (see: July 4, 1899, [2]), as he claimed - his greatest and most significant discovery - is based on the ether, the perfect fluid „that behaves as a solid to light, and is transparent to matter“ (paragraph 1.5 in [1]).

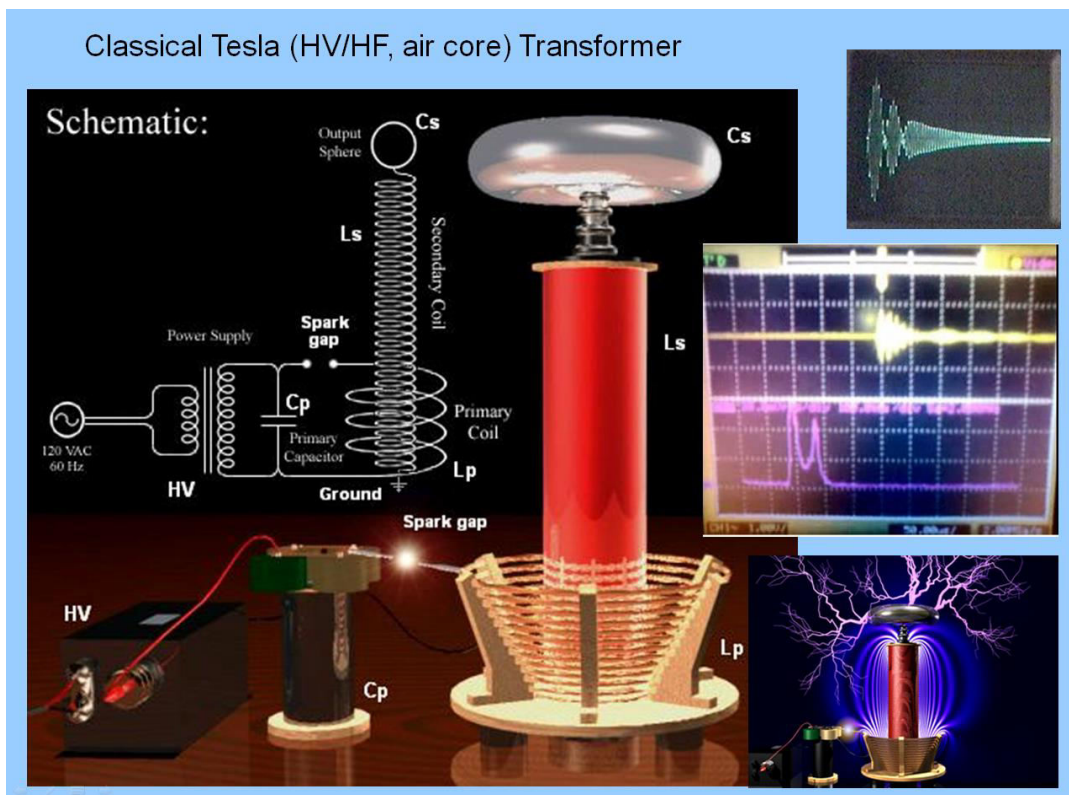
Such Tesla's interpretations are the main stumbling block in the promotion of Tesla's work and the key problem of modern science to accept and explain his ideas from the perspective of existing theories. The solid arguments we have put in support of TRUTH and Tesla's original interpretations [1] should be a powerful motive for valid postulates reviewing and, of course, their correction, improvement and further upgrading, because - we are witnessing the fact that experimental reality has significantly overcome the possibilities of valid theories to explain a number of detectable phenomena.

That is why my personal interpretations of Tesla's grandiose work are based exclusively on his personal, well-documented statements and/or explanations given in his own working notes ([2]). The great agreement of the original Tesla's words with the Vedic principles presented in [3] provides us much more clear insight into the actual form and structure of the energy phenomena used by Nikola Tesla calling them Non-Hertzian waves.

One of the biggest nowadays paradoxes is that Tesla's work is explained, studied and most often presented with a replica of so-called "Tesla Transformer" - a device that produces high-voltage, high frequencies, resulting in sparks of several millimeters to several meters - which depends on the power and construction (efficiency) of the device. With the use of semiconductor technology it is possible to change the mean power and thus "modulate" the volume of the emitted sparks, which allows the generation of sound (music, speech) directly from the sparks of the Tesla transformer. Conventional - and especially these "Musical (singing ...) Tesla Coils" - are often used to create very impressive audio-visual impressions, especially if they are of a high-power. Considering high frequency, high voltage and high energy these devices are very expensive and are accessible only to a smaller number of "Teslians". Unfortunately, they are used mainly for commercial purposes.

**Still - incredible but true - it's all a very far from "Real Tesla". And here is the knot of the paradoxes of Tesla's Hertzian-Nonhertzian principles and technologies.**

Namely, the Tesla transformer, in fact, its classic version, shown on the picture given below, is a high-frequency, high-voltage, resonant, transformer with an air core that Tesla invented about 1891 [4] and used for experiments in the production of lightning, the effects of phosphorescence, the production of X-rays (before W.C. Röntgen!), electrotherapy and initial research into the wireless transmission of signals and energy ...



This type of Tesla transformer exists in thousands of copies, sizes, shapes and form of construction with different types of spark gap: static, rotary, synchronous, non-synchronous or semiconductor, and can be seen in

various manifestations, amateur or school workshops, museums (including Nikola Tesla Museum in Belgrade), universities and research institutes. Today there are those which can "speak", "sing", "play" ...

**However, this "classical" version of the HV/HF transformer with the air core Tesla was used only in his researches in New York - BEFORE Colorado Springs !**

**This is a fact of extreme importance for understanding and interpreting Tesla's ethereal technologies, that is, the TRUE TESLA which modern science ignores and suppresses.**

The true, Non-Hertzian, ethereal technologies of Nikola Tesla are based on a completely and substantially different type of device from a conventional, in which energy transfer is based exclusively on induction, and which he used only for his initial research in New York, BEFORE Colorado Springs, until 1899 - therefore, only about 8 years. Everything he did after his work at Colorado Springs laboratory and later (Wardenclyffe Tower...) - which is more than 40 years, is based on a device that worked by completely different principles of energy transfer, with which Tesla reached the potentials of **hundreds of millions of volts (!!!)** - and to this day, nobody (officially) did not repeat that nor with the approximate efficiency. Tesla called it "Magnifying Transmitter" - indicating its very specific and highly controversial function.

As far as I know, this type of device does not exist at any one university, museum or laboratory in the world, although it is the key machine of all Tesla's unrealized ideas (wireless power transmission, energy shield ...) whose feasibility official science disputes. Although its construction and the process of improving and increasing efficiency and its consistency with the Earth is rather given detailed in [2], and albeit some dates (pages of diary?) are missing, it is possible to construct a replica at least with approximate efficiency. Unfortunately, there are only few who are studying this significantly improved version of the Tesla transformer.

**As for scientific institutions, officially - to my knowledge - except the Corum brothers - NOBODY!**

On the contrary, theoretical analyzes and experiments of the wireless transmission of energy of a number of well-known scientists and scientific institutions, and even some allegedly - more than tragicomic - the "replica" of "Tesla's Death ray" ..., as one of the most controversial ideas of N.Tesla, are performed with the classic version of Tesla's transformer, which he rejects as early as 1899, so it is no wonder that the results are exactly what Tesla anticipated - and what was the reason for abandoning such a concept:

"... THE PHENOMENA OF ELECTRICAL RADIATION which have heretofore been observed and which from the very nature and mode of propagation would render practically IMPOSSIBLE THE TRANSMISSION OF ANY APPRECIABLE AMOUNT OF ENERGY TO SUCH DISTANCES as are of practical importance. ..." [2].

**Way of the True Nikola Tesla - which science - persistently ignores and suppresses, is the one he chose and explained in his diary as "general conclusions": July 7, 1899 [2]:**

*"There are two ways to achieve the desired voltage with the resonant overvoltage: either the secondary is LOOSELY coupled with the primary so that the free oscillation of the secondary can be established, or the secondary should be FIRMLY coupled with primary and then the voltage is increased by an additional coil - "Extra Coil" - i.e. inductance which IS NOT INDUCTIVELY coupled with the primary. I think this last one is more appropriate when it comes to achieving a very high EMS."*

So, in contrast to the classical version where the energy transfer takes place on the principle of induction, so that the increase in voltage is proportional to the ratio of the number of windings of the primary and loosely coupled secondary coil, and the resonant frequency of the primary circuit is equal to the resonant frequency of the secondary circuit - "Magnifying transmitter" is based on completely different principles. Firmly coupled primary and secondary circuits are just an oscillator which galvanically (wiredly) energizes an Extra coil - which by its properties of: "lambda quarter helicoidally resonator" achieves an arbitrarily high increase in potential - in contrast to the "induction method" where this value is limited by the ratio of the number of windings of the primary and secondary coil ...

Furthermore, according to Tesla's record (December 14, 1899, [2]), the ratio of the resonant frequency of the primary circuit (56.4 kHz) and the "resonant frequency of the system with the latest version of the "Extra coil" (89.42 kHz) is equal to  $\pi/2$  - which is one of the elementary cosmic constants, along with the golden mean and the base of the natural logarithm, which characterizes all the creations of the Supreme Creator by giving them the properties and features of perfection! So this machine, a miracle of miracles - in spite of all its apparent simplicity, is not only the manifestation of Tesla's brilliant mind, but also the demonstration of the depths of his magnificent insights into the principles of Nature ...

Dr. Fred and Dr. Kenneth Corum (e.g. [6]) have shown in their professional, scientific, expertise that the "Extra Coil" is an "non-broadcast antenna" - because the Smith chart's analysis showed that Tesla was trying to maximize the VSWR parameter (maximum reflection) - which is completely the opposite of the conventional (Hertzian) emission systems (minimal reflection) applied by the emission technique engineers of the "Marconi type", that is, the transmitters we use today in electronic radio communications. So through their professional, scientific work they prove the Tesla's success in the conscious intention that his system DOES NOT RADIATE (do not lose) energy in the "Hertzian" form:

"... IT IS NECESSARY TO EMPLOY OSCILLATIONS IN WHICH THE RATE OF RADIATION OF ENERGY INTO SPACE IN THE FORM OF HERTZIAN OR ELECTROMAGNETIC WAVES IS VERY SMALL." [7].

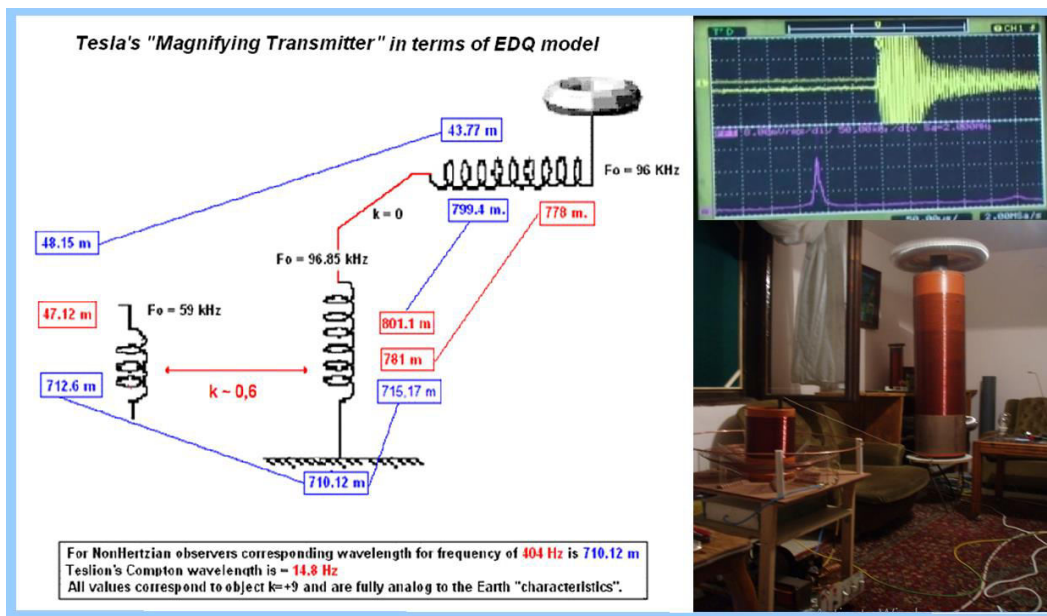
Unfortunately, despite a such reliable scientific evidence - that Tesla consciously, INTENTIONALLY KEEPS ENERGY in his system - contemporary interpreters of Tesla's work assert that "he did not have the appropriate scientific education and sufficient professional knowledge, so he could not quite understand what he actually was doing." This their arrogance - in my opinion - actually is the basic "leitmotif" of their survival ...

**What's more - Tesla harmonizes his "Magnifying Transmitter" both "inside" - with the ether and "outside" with the environment and harmonizes its work with the vibrations of the planet Earth, which he uses as a resonator and applies HIS OWN – A VERY SPECIAL PRINCIPLE of " DISTURBED CHARGE OF GROUND AND AIR " - which he considered far more successful than the induction method used in the conventional version.**

In his notes of June 5, 1899, in his diary [2], Tesla says:

„From this, the inferiority of the induction method would appear immense as compared with DISTURBED CHARGE OF GROUND AND AIR METHOD”.

So, Tesla clearly and unequivocally presents his observations based on a set of measurements and variations of experimental settings during research in Colorado Springs, whose basic experimental setup configuration is given in the figure below:



In the above picture, as is in the original Tesla drawings also, the "Extra Coil" is drawn horizontally - in contrast to the primary and secondary which are parallel and vertical, to emphasize that it is NOT inductively coupled with them. My research, analogue (unfortunately - due to the large dimensions and the necessary resources, is not nearly identical) of the experimental setting, showed all the validity of Tesla's ideas, what is illustrated with the Amplitude and Frequency (Fast Fourier Transform) spectrum (image above, up, right) recorded in my laboratory for Tesla Technology and which are significantly different from the conventional version described in the previous section, what can be seen on the recorded oscillograms.

What has assured me to the full validity of Tesla's authentic messages, along with many years of my experimental research, were also the Ancient Nations theoretical considerations [3] of the Reality structure. The simplicity of the exposed axiomatic principles that are verified by the elementary mathematical apparatus, absolute logic and really fantastic insights into the functional principles of Nature, its macro and micro structure - are solid arguments in favor of the truthfulness of the axiomatic principles being exposed.

Their full consistency with Tesla's interpretations provides an additional opportunity to understand Tesla's cosmogony, but the "new" physics also - the physics of Torsion fields, which, unfortunately, still is in the pseudo-science domain - just like Tesla's ethereal physics.

For example, the term "scalar field" in physics is explained completely formally and by rather "foggy" terms of contemporary quantum physics via some hypothetical, virtual-imaginary phenomena, whose essential meaning evades to many who use them in their explanations (paragraph 5 in [3]).

In contrast, **Scalar field of physics Sankhya define just as a coherent, simultaneous "Thaama state" of the Moolaprakrithi substrate, which is completely analogous to the notion of "pure potential" in physics - and here's a direct correlation with Tesla's principles!**

In many of his statements, and especially in his notes from Colorado Springs [2], Tesla emphasizes the importance of the "POTENTIAL", which he favors in relation to the "VOLTAGE" (= potential difference, work) and in his terminology he uses the word "pressure" - but only few people pay attention to his original words, but EVERY is of exceptional importance ...

*In Sankhya concepts potential is explained as a coherent state in which any number of sequential time cycles is stored in a single time cycle. Therefore, the potential can be described as a state of unreleased, stored, stresses and when it is released, the stress is moving or accelerating as a kinetic force displaying velocity characteristics.*

In Sankhya stresses that remain in the same spatial location merging together (affirmative interference in physics) are in a coherent, simultaneous, Thaama state what corresponds to the term "standing wave" or "scalar field" in physics. Stresses that progressively change the spatial location and look like they are moving away are in a radiant, sequential Sathwa state that corresponds to the term "electromagnetic waves" in physics. Stresses that are combination of these two states and can not be described as Thaama or Sathwa are in the "transient" Raja state. The axial "transmigration of stress" is the Tesla's longitudinal wave in the ether ...

The very important implications of the Sankhya holographic concept are that **each point in the substrate of space contains all the information in the Universe** as identical, mutually nested sets of vibrations in a "frozen" form. Basically, this means that every possible phenomenological state exists at each point of the space as locally extractable - that is, a recognizable, detectable, ... phenomenon or event.

The holographic arrangement and the general intertwining and connection of everything with everything, as modern quantum physics claims, obviously agrees with the ancient cognitions. Thus, according to Sankhya's teachings, there is no need for spatial, physical, transfer of a certain state of an interactive phenomenon to an arbitrary distance, since an appropriate set of informative signals can recreate the original phenomenon locally, at any location, through transmigration of stresses in the connected continuum of space.

### **Briefly: GENUINE (TRUE) TESLA !**

It is hard to believe that such deep insights into the structure of reality were known even tens of thousands of years ago as old Vedic writings are - but it is truly more than fascinating that the Sankhya concept defines the dual nature of reality and explains its structure as a set of manifest and non-manifested phenomena whereby the detectable part create a "arranged/unarranged" duality: coherent wave packets manifested as "particles" or non-synchronized wave ensembles that manifest themselves as "radiation" or photon "

Moreover, the electro-magnetic signals hop "externally" across the local oscillators in space, at the velocity of light (7.1 in [1]) whereas the phase-changes in the three modes of stress tunnel "internally", INSTANTLY, across the perpetual oscillators in space as transmigratory phase-velocities that has no limit. The full analogy with Tesla's ethereal physics is obvious.

Furthermore - knowledge of the UNIVERSAL laws of growth and development of vibrations (the same as in Uspensky / Gurdjieff), the "Three Guna" principles, and especially the strictly defined rules and principles of transformations of sequential ones (which are detectable) in simultaneous (undetectable) processes and vice versa, enables the understanding of the UNMANIFESTED phenomena structure, although non-detectable are yet realistically existing objects. This is a really tremendous advantage in relation to conventional physics, because it enables us to provide a much clearer insight into the true structure of Nature – especially of the "Thaama", coherent, simultaneous states that characterize the nuclear core, gravity, ..., and the spiritual aspect of Reality - which totally evade to modern physics.

From this aspect, G.Srinivasan commented contemporary theories in his book, "Secret of Sankhya: Acme of Scientific Unification" [3] and points to "unexposed" parts of the same Reality which each of them, individually did not include as they describe only the corresponding segment of much "wider" wholeness. Short recapitulation from [3]:

Newton empirically derived the static gravitational macro field parameters at the outer level by measuring the mechanical effects. His gravity constant G is half the reciprocal value derived by using Sankhya principles based in the "Thaama-Raja-Sathwa" Guna concepts. The Newtonian derivation is equivalent to using only the Thaama aspect while ignoring the Sathwa and Raja factors involved in the common zero interval that reduces the true G value by half.

Maxwell derived from micro field theory the same gravity parameter, that seems different, by following a combination of empirical and theoretical premises similar to the Sankhyan Sathwa concepts, but kept aside the Thaama and Raja factors. The impedance value 377 of Maxwell space is in fact related directly and exactly to the Newtonian gravity constant G, because Maxwell took into reckoning again the common cube between the vertical and horizontal that made a logarithmic difference, which separated the same coherent field as two different E and B axial activities at the observable or sequential level (section 7 in [1] or in detail in [3]).

Planck mathematically exposed this missing "zero interval" as a quantum with density at the detectable level, but the state of mathematics did not encourage him to look into this cubic quantum activity within the instant cycle.

In Sankhyan terms, Planck's effort dealt with the Thaama and Sathwa states, but he failed to expose the Raja interactive state which involves the gravity parameter G hidden in the quantum as a simultaneous phenomenon that was unimaginably larger than the spectrum he had investigated, for Sankhya shows it to be the repository of all potential.

Einstein bridged the Maxwell shortfall in potential by the Lorentz mechanism that provided an equated relationship to velocity at the exposed or radiated level but failed to extend it to simultaneous or high density regions, once again due to a conceptual breakdown in mathematically appreciating that the point and the interval were as important as the Universe itself.

In Sankhyan terms, Einstein investigated the Raja characteristics just outside the instant, the external metric of spatial "infinitesimal distance and zero time" which were in the sequential Bhava domain, but failed to connect the Abhiman / Ahankar phase lying just alongside, inside the instant cycle.

Einstein probably was able to realize conceptually the total equivalence of electromagnetic and gravitation phenomenon, he came close to a total unification by his intuitive but arbitrary inclusion of a cosmological constant, that in fact provided the perfect conversion scale of time and space within the instant, but his concept of mathematics and the structure of space confounded by the Hubble parameter, left a logical void that he could not bridge. Fact that he postulated the principle of equivalence brought him close to seeing the holographic nature of phenomena, but the power of Riemann geometry dominated.

From the above stated, the identity of the basic principles of Sankhya is clearly seen in all segments and at all levels of Reality, which is the main reason for the great agreement of its axiomatic principles and the theoretically defined values of all variables and constants of contemporary physics: Planck constants, Avogadro's number, speed of light, space impedance, gravitational constant, masses of all nuclear and astronomical phenomena ..., with scientifically established values - although the age of Vedic writings has been estimated for tens of thousands of years. In particular, Sankhya Karika, according to some sources [3], is about 33 thousand years old ...

The inspiration of the ancient peoples insights is really enormous. It points to the real possibility of achieving the eternal dream of science - the unification of electroweak and gravitational interactions - but also a clearer interpretation of a series of phenomena in the field of pseudo science - such as antigravity, Zero point energy and the like. And what is most important for us is understanding of the Nikola Tesla's legacy.

The basic Vedic ideas and axiomatic principles of Sankhya [3] we outlined in [8], and here – just in order to clarify the terms used, we quote only elementary interpretations and definitions:

- According to the classification of interactive states in Sankhya, all the phenomena of Reality, all "what is" (in manifest or non-manifest form), is based on a combination of three Guna, Three qualities or "forces":

- **Thaama** (simultaneous, compressive, dense, non-elastic, inertia, resistance, darkness. Thaama is a strong nuclear compression force.),

- **Raja** (self-similarity, dynamism, resonance, "binding" movement, transient state, transmission, connects, bounce; Raja is a weak binding force.), and

- **Sathwa** (sequential, shining, elastic, expansive, radiant, light. Sathwa is an electro-magnetic radiative force),

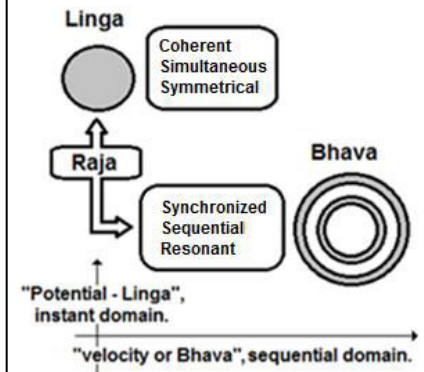
as well as interfaces: Linga / Bhaava and Abhiman / Ahankar.

**Linga**, coherent state, super position, field-potential, inertia

**Bhava**, kinetic charge, wave form, manifest forms, temperature state

**Abhimana**, self potential, self-measure,

**Ahankara**, dynamic self, - potential, self action, self motivation



The full consent of the axiomatic principles of Sankhya, the EDQ Model [9] and the Tesla's ether physics point to the very certain reliability of all Tesla's ideas, but also to the exceptional progress of its technologies that are truly appropriate to the 21st Century and far ahead of the currently valid theories.

In the original version of the ancient Vedic text Sankhya Karika [3], *Maharishi Kapilla mathematically proves that interactive phenomena in the random (unarranged) sequential state of ineffective activity naturally transmigrate towards a synchronized, coherent and simultaneous state.*

In other words, "harmonization" is a process inherent in Nature. The coherent state of "calming activity" can be defined as "potential phase" or "parallel", "simultaneous" or "superimposed" interactive spectrum. It embodies the principle of absorption of non-synchronized interactions, such as the migration of thermal vibrations from higher to lower temperatures. The substrate of cosmic space is really the lowest energy state. The concept of simultaneity - which completely eludes to modern physics - is the basis of Sankhya – and is completely equal to the sequential processes to which science is limited.

Sankhya explicitly, mathematically, defines exactly this "Thaama-stic" part of Reality, phenomena that act together, simultaneously or instantly. What is very important to emphasize here is the fact that the axiomatic principles of Sankhya go beyond the deceit of our mind and the widespread logic that the interval of time between interactive events can be arbitrarily reduced - down to the "zero" (?) value - which entails a series of problems that the notion of "singularity" imposes, ..., - but nature does not behave in such a way.

Sankhya showed that there is an axiomatic limit value of  $1/C^{1+x}$  ( $=1.93e-14$ ) cycles along each axis ( $c$  = speed of light,  $x$  = golden mean). **The significance of this insight of ancient civilizations can not be overemphasized** because it eliminates the need for "brain storming" and imagination about some "boundaries" between a point and length, the notion of "singularity" and the like where modern science is blocked. Values obtained through the concept of synchronization by axis, are a mathematical square or cube of this axiomatic limit value. More important is the Sankhyan method of boundary axiomatic values and relations defining based on Tri-Guna principles, which are the basis of all concrete phenomena definitions from non-manifested to manifested, e.g. magnetic, electrical, gravitational, ..., that - in fact - are only a variations of THE SAME, combinations and transformations of simultaneously-sequential disturbances of the substrate, rhythm and form of compressional-expansional (volumetric) vibrations ...

Tesla's definition of light from 1934: "Light cannot be anything else but a longitudinal disturbance in the ether, involving alternate compressions and rarefactions. In other words, light can be nothing else than a sound wave in the ether..." [10], quite obviously fully agrees with the axiomatic principles of Sankhya.

Moreover, in their analysis of Tesla's "Magnifying Transmitter", the Corum brothers point out [6] on the HUGE IMPORTANCE of the "spark-gap" design, that is, the crucial role of **sparking time duration** (!!!) to the energy spectrum form (figure below) and its compatibility with the coils resonant frequencies, that is, on the EFFICIENCY of energy transfer. The value reached by Tesla of 10.8 microseconds is still unattainable by many "Teslians" even today and most of them have not even heard about it neither thought about it. This may be a bit offensive to many "Tesla Experts" but "Google" allows everyone to convince himself and try to find a spark gap that gives more than 400 breaks per second, while Tesla reached 4200 breaks per second (13 .sep. [2]), but - what is of the extremely importance - is **general compatibility and multidimensional resonance** of (inward & outward) energy flows.

**" $\phi$ ,  $\Phi$ ,  $\pi$ ,  $e$ " in Tesla tech.: "Corum & Associates, TCTUTOR", v.1.0, 1987.**

**For a sparks duration of 10.8 usec**, Furie's analysis gives a spectrum with peaks:

$Lf = 54.8 \text{ kHz}$  |  $Hf = 128.2 \text{ kHz}$ .

Considering:  $F_{10.8} = 1/10.8e-6 = 92.592 \text{ kHz}$ ,

$92.592 * 0.618 (f_i) = 57.2 \text{ kHz} \sim 54.8 \text{ kHz}$ ,

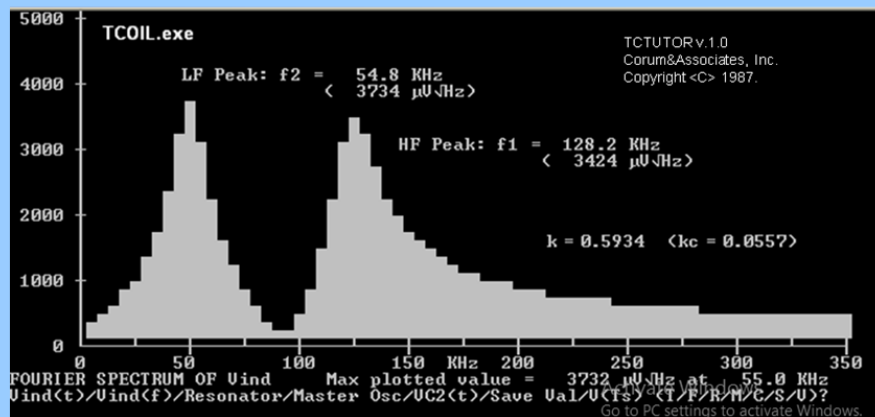
$92.592 * 1.618 (F_i) = 149.8 \text{ kHz} \sim 128.2 \text{ kHz}$

$54.8 * 2.71 (e) = 148.5 \sim 128.2 \text{ kHz}$

$f_{0,sist} = 89.42 \text{ kHz}$ ;  $f_{0,prim} = 56.4 \text{ kHz}$

$\Rightarrow f_{0,sist} / f_{0,prim} = 89.42 / 56.4 = 1.58 \sim \pi/2$

Respecting the holistic principles inherent in the Creator, Tesla harmonized his entire system and aligned it with the (multidimensional) structure of Reality - both "outside" (macro) and "inside" (micro).



This is another "detail" that points to the true **greatness of Nikola Tesla, his ingenuity and the power of his intuition**, showing that he harmonize many parameters, where the duration of the spark is one of the key ones. In his "Magnifying Transmitter" Tesla succeeded in realizing the relations of corresponding phenomena in the proportions of the golden mean (small and large "f"), the number  $\pi$  and the natural logarithm base (!!!), **what is truly UNIQUE in the world** - and can only be found in the masterpieces of the Creator, in Nature, in the Planetary Systems, the world of atoms and of course in Man, his DNA, cells, skeleton ... but also in some very special buildings like Keops's pyramid and the like.

My analysis of Tesla's Colorado Springs Machine Fourier (energy) spectrums, based on a "TC Tutor v 1.0" software, done by highly competent experts, Dr. Fred and Dr. Kenneth Corum, confirm that - striving to the Holistic principles, inherent to the Creator, Tesla harmonized the whole Magnifying Transmitter system and arranged it with the multidimensional structure of Reality both, "to outside" with the macro structure and "to within" - with the phenomena of the micro domain, whether they are ether, quantum field of modern physics or something else. In Sakhya's terminology – Tesla has managed to harmonize the "internal" and "external", sequential and simultaneous mechanisms and energy transformations of the Linga / Bhava with the Abhiman / Ahankar interface states – and to realize exactly what has escaped to Maxwell, Einstein ... ☺

Thus, striving to maximum efficiency, by endless variations of the basic experimental setting elements of his Machine (the number of windings, the thickness of the wire ...) until he was satisfied with the effects achieved - just as Nature, striving to the perfection, is infinitely consistent in the variation of one basic motive - Tesla brought his work to perfection, not knowing nothing about the Fourier's spectrum and other "sacral geometry" parameters - which we can see today using sophisticated equipment about which Tesla could only dream of ... - but he had something more valuable: ingenuity and intuition!

It is very interesting that the inverse value of the boundary, axiomatic value of the cycle duration, that can be understood as a frequency:  $f = 1 / t = 1 / 1.93e-14 = 5.1e13$ , that - according to the L.de Broglie relation - corresponds to the value of (real or virtual) mass:  $M = h * f / c^2 = 3.8e-37$ . As stated in the EDQ Model [9], this value corresponds to the "Stable object" of the quantization level  $k = 7$ , that is "neutrino" as a corpuscular manifestation of that part of the energy spectrum.

This is also a significant confirmation of the consent of EDQ Model with Axiomatic principles of Sankhya and - what is the most beautiful - with Tesla's ideas.

Namely, the axiomatic cycle duration limit value:  $1 / C1 + x (= 1.93e-14)$  defines the limit value of the interactive time interval when it becomes "zero" or when two events can be mathematically treated as SIMULTANEOUS. For shorter values of the cycle duration, the VECTOR aspect of the force disappears and it manifests itself as a SCALAR !

It is an indisputable fact that the neutrino particles are the last in a series of (stable) nuclear phenomena that express the real rest mass. Their mass is several times smaller than any other known elemental particle. All other "smallest" material objects - either do not have a real rest mass (photon e.g.) or their lifetime are extremely short because they are decaying. Quarks lifetime e.g. is about  $10^{-20}$  sec.

According to the EDQ Model, stable objects of higher quantization levels than neutrino - such as photon is ( $k=8$ ), having dual nature, then Teslion ( $k=9$ ), etc. - are expressed in our Reality predominantly in a wave form – what is absolutely consistent with the Sankhya principles. However, the idea imposed by its axiomatic principles and the EDQ Model postulates - indicate the possibility of a real existence of a some "subtle fluid" of a corpuscular nature that consists of "stable objects" of the quantification order higher than 7 ("below" the neutrino), described by EDQM with corresponding parameters, masses, frequencies, ... which can really be a constituent elements of the "Scalar Field", "Quantum Field" – and why not - of the Nikola Tesla's "perfect fluid" - "Ether".

Dr. Anatoly Ohatrin researches support this possibility. He speaks of "microleptonic gas" that "fills everything: soil, water, air and cosmos. ... The heavy and inert mass of the body depend on the density and temperature of the microleptonic "gas" in it ... [11].

Similarly, Dr. Vladimir Bychkov has shown that the application of hydrodynamic equations allows obtaining analog results for a series of experiments from the field of macroscopic electrodynamics [12]. Physics has well explained the connection between the shape and the internal structure of a medium with its specific mechanical-electrical-wave characteristics (electrical conductivity, permeability, permittivity, strength ...). However, experimental reality sometimes does not agree with valid theories.

Superconductivity is the effect of "zero" resistance achieved in an ideal isolator! Adding the appropriate components (e.g. atoms of yttrium-barium and copper) to the ideal isolator - e.g. ceramics, whose room temperature resistance is  $10^{20}$  ohms, and then cooling it to a very low temperature - ceramics becomes a superconductor – through which current flows without attenuation, wherefore it is possible to realize extremely strong magnetic fields.

Nevertheless, it is an undeniable experimental fact that the superconductivity, semiconductor, dielectric and magnetic characteristics of the "superconductor" are not related to the "current" of the electrons in the wire, but with a specific flow defined by the structure of the material. Regarding Dr. V.Bychkov opinion this result agrees with the concepts of V.F.Mitkevich work: "Main physics concepts" [12] in which he considered the question of the current flowing nature in superconductors that does not heat the material of conductors, what is possible only if there is no moving charges (electrons) in it.

To be even more unusual, the complete absence of electrical resistance is accompanied by the complete absence of a magnetic field inside the superconducting material (the Meissner effect), so that the ideal conductor becomes an ideal dielectric - which science explains by "phase transition" - unfortunately without

interpreting the "mechanism" of that "transition" that results in the complete "disappearance" of the magnetic field inside the superconductor ...!?

Although there is no general consensus on existing theoretical explanations of this and similar phenomena, contemporary science gives a huge contribution to new knowledge by their experimental verification. The most controversial - but multiple-verified - are experiments that disprove the principle of locality such as EPR (Einstein, Podolsky, Rosen) effect. The experiment of "Spooky action at a distance" - confirmed the phenomenon predicted by quantum mechanics, known as quantum entanglement (quantum intertwining), which shows that measurements performed in spatially separated parts of the quantum system can have an apparent, detectable, INSTANTANEOUS effect on one another - regardless of their mutual distance. This is clearly and unequivocally demonstrated that the wave function does not provide a complete description of reality and the famous Heisenberg's "uncertainty principle" becomes more than questionable ...

According to the scientifically argued opinion of Dr. V. Bychkov (6.4 in [1]) - EPR paradox is a direct proof of the existence of an ether. Similarly, the Aharonov-Bohm experiment, carried out in several world laboratories, proved that some of the electrodynamics potentials are different from zero in a part of the space where the magnetic and electric fields are equal to zero. In this way - by verifying "hidden vector potential" - it has been experimentally confirmed that electromagnetic interaction can occur in areas of space where there are no EM fields !!!

In this way it has been shown (and proven) that not only electromagnetic fields are physical - as it is considered in a classic physics, nor that electromagnetic potentials are a pure mathematical structure - but on the contrary - that the potentials are more basic physical entities than fields!

An experiment performed by Aharonov and Bohm in 1959 was aimed to investigate is it a more fundamental description of the system over the field or over potential since "Schrödinger's equation", which connects the particle and wave properties of matter, is expressed by potentials instead of fields. The experimental confirmation of the effect that has been debatable for many years and which many scientists have tried to disprove is still verified by modern measurements.

Unfortunately, the existing, "classical" (simplified) version of Maxwell's equations, is defined via the electric and magnetic fields. For a more fundamental description of the system via potentials, appropriate changes in values should be made so that in the "Potential Formulation" of Maxwell equations "electrical potential" figure instead of the electric field and "magnetic potential" instead of the magnetic field - where the electric potential is a scalar field, while the magnetic potential is a vector field [Maxwell's equations in potential formulation, 13].

To the fact that science significantly reduced the "strength" of original Maxwell theory "by simplifying" his authentic equations we pointed out in [1] (paragraph 4) and here we emphasize again that **Nikola Tesla** - even before the whole century - favours the potential which - according to the contemporary Quantum physics also, as is shown here - **is more fundamental than the field and has physical existence as well as fields.**

So - the experimental reality of modern physics points to the fact that the "electric potential", being a scalar field, is a more fundamental level of reality than a three-dimensional vector electric field that figure in the classical version of Maxwell's equations – what is in complete agreement with the INTUITIVE insights of the genius Nikola Tesla.

The same experimental reality confirms the validity of the Vedic concept of the substrate [3], which still contains some other very controversial claims. One of them is that neutrino transmigrates 60.689 billionths of a second faster than photon:

When Ne is accelerated, the delay is several cycles and since 7 Ne must be emitted within a single cycle, the delay is:

$$\left[ \left( \frac{k-1}{7} \right)^2 \cdot \left( \frac{10^2}{k-1} \right) \cdot \left( 1 + \frac{1}{k-1} \right) \right] \cdot 7 = 17.9988721414$$

So, the photons will be delayed by 17,998 cycles / second:

$$\frac{\left[ \left( \frac{k-1}{7} \right)^2 \cdot \left( \frac{10^2}{k-1} \right) \cdot \left( 1 + \frac{1}{k-1} \right) \right] \cdot 7}{c} \cdot 10^9 = 60.6889099213$$

**Even more interesting is the possibility of the INSTANTANEOUS transmission of the "Neutrino-states" at the arbitrary distance** shown in "The Sankhya Theory of Axiomatic Mathematical Evidence", by G. Srinivasan [14].

Unlike modern physics that knows three neutrino particles: electron, Mion and tau neutrino, where their mass is not precisely determined but only their limit values, Sankhya defines "Vriti-Mulaprakriti" - an expansive transmigrant mass that has been identified as Neutrino in physics:

$$\left[ \frac{10^{1+x} \cdot 2^{\frac{1}{3}} \cdot 10^2 - 2}{10^2} \cdot \left( \frac{1}{10^x} \right) \cdot \left( \frac{2 \cdot \pi \cdot 10^{\frac{2}{3}}}{7} \right)^2 \right] = 9.52873405 \times 10^{-35}$$

where x is the golden mean, but it is really simply brilliant that the Sankhya defines the "Neutrino state" via Planck's length (Lp) also:

$$Ne = \left[ \frac{Lp}{2\pi} \right] \left[ \frac{2\pi^3}{2^3 - 1} \right] = 9.52873405E-35$$



According to axiomatic postulates of the Sankhya, one cycle of ten interactions is equal to the ratio of the circumference and radius of the circle ( $2\pi$ ). In all three spatial directions this relationship becomes  $2\pi^3$  which results in an increase in the ratio of:  $2\pi^3/2\pi$  - similar to the increase in the volume - in which the transition occurs when radius is doubled - to  $2^3-1 = 7$ . Therefore, the ratio of change per unit radial increment of 7 levels is equal to the value of  $Tr$ :

$$Tr = \left[ \frac{2\pi^3}{2\pi} \right] \left[ \frac{1}{7} \right] = 5.6398$$

If Plank's length  $Lp$  - as the smallest, coherent shift changes its potential level to the resonant state as a neutrino, then  $Ne$  (state) is:

$$Ne = Lp^3 Tr / Lp^2 = 9.5287E - 35$$

Parameters  $Lp$  (Plank length,  $1.616 * 10^{-35}$  m) and  $Tp$  (Plank time,  $5.391 * 10^{-44}$  s) define the smallest length and time interval in space. If the value of  $Lp$  is the length of one side of the volumetric component of the space, then the oscillating state in the largest interactive stress density has a dynamic volume of  $Vp = Lp^3$  ( $m^3$ ). Since  $Tp=Lp/c$  ( $c$  = light velocity), the same applies to the minimum time interval:  $Tp^3$  in  $c^3 = Lp^3 = Vp$ , which must be interpreted as an INSTANTANEOUS relationship of "8-component volume" to "time interval - cubes" - which gives the value of SIMULTANEOUS interactive stresses as an axiomatic three-dimensional constant.

Since  $Vp$  ( $4.2*10^{-105}$ ) is in the maximum volumetric density of stress and rigidity, the potentials are currently tunneled through any number of such units that are directly in the direction of the stress propagation. A break in the "tunneling" process creates Neutrino-states, depending on the stress count densities. Hence, Ne-states of different levels, from one to seven, can INSTANTLY appear at arbitrary long distances ...

An analysis of ancient Vedic insights, such as Sankhya, is extremely demanding since the original records are in Sanskrit - an extremely rich language with a multitude of words for which it is very difficult to find suitable expressions in English language on which is written literature available to us. An additional problem of understanding original messages is English grammar, in particular indirect speech and times and tenses grammar, which is crucial for very complex processes understanding, where it is extremely important what's ahead of what, what is the cause and what is the consequence - wherein we often do not have the adequate translation for the term used. As an illustration, I quote the initial part of the 1st Sutra (Dynamic Substrate):

दुःख	त्रय	अभिघाताज्	जिज्ञासा
Duhkha	traya	abhighātāj	jijñāsā
Stress	triple	interaction	investigations

The above illustration shows the original terms with appropriate terms in English. Literal translation: "The stress triple interaction investigations" - is completely meaningless. There may be other, also absurd combinations but elemental knowledge of Vedic principles based on 3-Guna (Thaama-Raja-Sathva) concepts allows us to translate this as: "Investigating the Triad of Interactive Stress" - which is - at least logically - close to the original message which can be best understood only in the context of the entire "Sutra".

All of this was aimed to show the necessary flexibility in the understanding of Vedic texts, which, especially in its original form, represent immeasurable cultural and scientific treasure.

In particular, the term "Stress", the first word of 1st. Suthra, is the term on which are based all the basic, elementary, axiomatic principles of Sankhye and can be understood as: strain, tension, voltage, potential, pressure etc. - but, in my opinion, after years of the basic text [3] reading as well as a numerous documents related to it, I am completely sure that the Sankhyan's term "stress" have the notion as the "scalar potential" have in modern physics - of course in the appropriate context.

Previously presented statement that Tesla - thanks to his intuition and aspiration towards perfection - succeeded to harmonize his "Magnifying Transmitter", both with macro and with a micro structure, is in full accordance with this opinion. In other words, Tesla succeed to perfectly harmonize vibrations form of his machine with both - the "external" and the "internal" sequentially-simultaneous mechanisms of the Linga/Bhava transformation with Abhiman/Ahankar interface states. Accordingly, Nikola Tesla's statement that he uses "disturbed charge of ground and air method" (June 5, [2]) gets a much deeper meaning - completely analogous to the "stress transmigration" term used according to Sathwa-Raja-Thama-Guna principles !!!

Summarizing all of the above, in my opinion, it is completely beyond doubt that Tesla's "non-Hertzian" waves are the really existing longitudinal ethereal vibrations, "potential transfer" or "substrates stress transmigration", ..., and I firmly believe that the latest scientific knowledge combined with ancient Vedic wisdom and unconventional theoretical considerations presented in the EDQ Model - helps us to perceive the size and the depth of the Nikola Tesla knowledge and to get insight in the true brilliance, the magnificence and significance of his technologies for the future of our civilization.

Consequently, the achievability of all the ideas of this proven intuitive genius becomes much more certain, and "pseudo-scientific" terms such as teleportation, antigravity, inertia, zero-point energy and the like becomes much more acceptable.

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