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The New Quantum Technologies Demand New World Vision

By Prof. Maria Kuman

Abstract- Year 2025 is announced to be International Year of Quantum Science and Technology and let's face it, the new Quantum Technologies require revision of our old world vision. Researchers found that surfaces of metamaterials can bend, focus, and transform laser beams and serve as beam shapers. And an electron excited with energy $h\nu$ when passing between the column surfaces of metamaterials can spontaneously transition to a lower energy level (with energy $h\nu_1 < h\nu$). Classical optics cannot explain such spontaneous transitions and the researchers working with metamaterials are trying to explain it with resonance with "the vacuum field". Vacuum cannot have resonance frequencies because there is nothing in the vacuum to vibrate. And here it becomes clear that our old belief (that ether does not exist – it is vacuum) does not fit the new quantum research. I came to the conclusion that Space Matrix NEMF must exist from my life-long studies of the aura, which is weak NEMF. Since only nonlinear fields do not dissipate and can imprint information, I concluded that the Universe must have been created from nonlinear electromagnetic field (NEMF).

Keywords: quantum technologies, metamaterials, ether NEMF, metamaterials' NEMF, resonance laser beam – metamaterials' NEMF.

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The New Quantum Technologies Demand New World Vision

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I. INTRODUCTION – METAMATERIALS AND MY STUDIES OF THE AURA

In the August 2022 issue of Physics Today, an article was published "Metasurfaces for Quantum Technologies" [1], in which the authors Wang, Chekhova, and Kivshar describe their experiments with optical metamaterials, which manipulate the electromagnetic waves of a laser in a specialized and novel way serving as: beam shapers, beam splitters, or

beam diffusers. The type of metamaterials determines the phase, amplitude, and polarization of the laser waves (within a distance much less than the wavelength). The fact that the metamaterials are flexible, compact, and highly efficient make them promising quantum optics candidates.

However, the properties of metamaterials cannot be described by the classical theories of light because the surfaces of metamaterials transform an input state into a variety of states. For example, linearly polarized light after passing through the columns of a metamaterial can be converted into a superposition of right-handed and left-handed circular polarizations. In the course of their experiments with metamaterials, the authors [1] observed electrons excited with energy $h\nu$ after passing through columns of metamaterial to spontaneously transition to a lower energy level emitting energy $h\nu_1 < h\nu$. "Classical optics cannot explain such spontaneous transitions; their description requires a quantized field" [1].

The explanation of the authors [1] is that "these spontaneous transitions are stimulated by the vacuum field" [1]. But in a vacuum, there is nothing to vibrate and therefore, vacuum cannot offer frequencies to resonate to. So, it cannot be vacuum. My lifetime studies of the aura found that the aura is weak NEMF, which become brighter at positive emotions. The Russian scientist Shkatov found that at positive emotions the aura spins clockwise. Nonlinear physics teaches that vortices spin clockwise and suck energy. Thus, to become brighter at positive emotions, the aura must suck energy from somewhere, and I concluded that ether must exist and it must be weak nonlinear electromagnetic field (NEMF) [2].

II. MY STUDIES OF THE NONLINEAR ELECTROMAGNETIC FIELD (NEMF) OF THE AURA, REVEALED THE NEMF NATURE OF THE SPACE MATRIX (ETHER)

I started my studies of the aura by first photographing the aura with Kirlian photography (Fig. 1), which uses high frequency electric field to multiply the photons of the weak aura and make it photographable. I found that positive emotions make the aura brighter, while negative emotions make the aura dimmer and since we say we are in high spirit when we experience positive emotions and we say we are in

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low spirit when we experience negative emotions, I concluded that the emotionally-sensitive aura must be our emotional Spirit. Then I found that the ancient Jewish Cabala was teaching to high priest that the aura is our Spirit – aura (Spirit).

Since the Russian scientist Shkatov invented and patented equipment, which allows him to measure the spinning of the aura [3], he found that at positive emotions the aura spin clockwise, while at negative emotions the aura spin counterclockwise. Nonlinear Physics teaches that vortices spin clockwise and suck energy in, while anti-vortices spin counterclockwise and emit energy out. If so, 1/ positive emotions make the aura brighter because they make the aura NEMF to spin clockwise (Shkatov) and suck energy in; 2/ negative emotions make the aura NEMF dimmer because they make the aura spin counterclockwise (Shkatov) and loose energy.

However, for this to happen, there must be reservoir of NEMF energy, from which at positive emotions the clockwise spinning aura sucks NEMF energy in and becomes brighter, and to which at negative emotions the counterclockwise spinning aura releases NEMF energy and becomes dimmer. At this point, I concluded that this reservoir of NEMF energy

must be the Space Matrix NEMF, from which the Universe was created. NEMF is the perfect material to create a Universe because being nonlinear field: 1/ it does not dissipate, and 2/ it can imprint information.

The Creator created a sphere of this not dissipating NEMF, then imprinted on it the information (the holographic tri-dimensional image) of the Universe to be, and the Universe was created. The Space Matrix NEMF (from which the Universe was created) was called ether in the past, which means that the ether is weak NEMF (just as our aura is). The fact that it is invisible and too weak to be measured explains why the existence of ether (which I call Space Matrix NEMF) was denied for such a long time.

In order to be able to see what is going on with the aura NEMF, I developed and patented equipment that allows me to measure the weak electromagnetic field of the aura, which is 1,000 times weaker than the electromagnetic fields of the material bodies. I found that the aura is nonlinear electromagnetic field(NEMF) with a chain of alternating vortices and anti-vortices along the backbone (Fig. 2). They are called “chakras” in ancient Hindu texts, which means “spinning wheels” in Sanskrit.



Fig. 1: Kirlian Photography of the author's aura in 1991

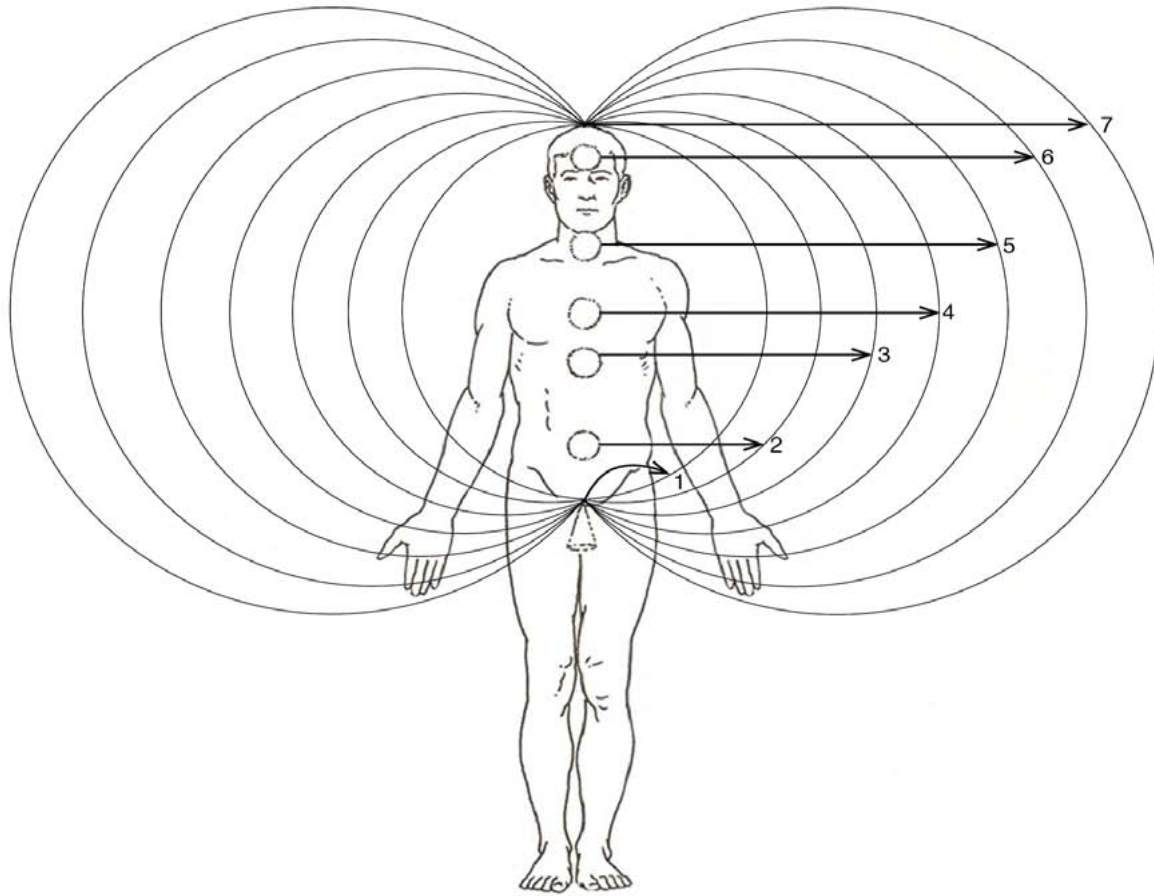


Fig. 2: The NEMF of the aura (Spirit) of male body with a chain of alternating vortices and antivortices along the backbone

III. THE QUANTUM OPTICS

Now, let's go back to the research on metamaterials described in article [1] and the authors' explanation: "Classical optics cannot explain such spontaneous transitions to a state with lower energy; their description requires a quantized field." They explain their observations so: "the transitions are stimulated by the vacuum field" [1]. The authors are right about the resonance frequencies, but vacuum cannot offer such resonance frequencies because there is nothing in a vacuum to vibrate. However, since the resonance is metamaterial specific, it must be a resonance with a frequency of the metamaterial-specific $NEMF_m$.

However, if it was a resonance with the frequencies of the ether, we would have the same influence regardless what type of metamaterial was used and this is not the case. Since metamaterials could: 1/ cause spontaneous emission with different wavelength, 2/ split the laser beam, or 3/ diffuse the laser beam, etc., the resonance is with the NEMF of the metamaterial, which is 1,000 times stronger than the NEMF of the ether. The whole material world was created by Black Holes of anti-matter and the NEMF that

separated the matter from the anti-matter was imprinted on all material creations, which automatically explains the dualism wave particle [5].

This made the whole material world a material body and material-specific $NEMF_m$. Only the presence of material-specific $NEMF_m$ in each material could explain the different influence of different metamaterials when the laser beam passes through miniature columns of the metamaterials. However, the metamaterial NEMF is the NEMF of the ether increased by the spinning Black Hole 1,000 times and modulated by the specific frequencies of the material. Thus, the spinning Black Holes are the one that suck the weak NEMF of the ether on one side and spit out material plasma stars on the other side with 1,000 times stronger NEMF and with imprinted specific frequencies of the material.

IV. EINSTEIN'S BLUNTS

The first blunt of Einstein's relativistic theories was that the Universe is static. When Alexander Friedman offered the dynamic model of expanding and contracting Universe in 1924, it took Einstein 8 years to accept it. The second blunt of Einstein was his basic

postulate in his relativistic theories that there is no ether – it is vacuum. But the success of his special theory of relativity was based on the fact that he used the spherical geometry of Riemann. However, if there is no ether - it is vacuum in the sphere and vacuum outside the sphere - he cannot define sphere, and if so he does not have the right to use the spherical geometry of Riemann (see [2] and [4]).

V. THE MICKELSON LATER EXPERIMENTS

Both Einstein relativistic theories were built on the assumption that there was no ether, which was based on Michelson's unsuccessful experiment of 1897 to detect difference in the propagation of light in two perpendicular directions (east-west and north-south). Such a difference should be observed, if ether was present. Mickelson got a Nobel prize for his negative result, but he continued to think that ether must exist and he could probably detect it with equipment with increased sensitivity. And he came up with the idea of rotational experiment.

Syniak did the Michelson's rotational experiment in 1911 and he found that there is ether. However, by that time the relativistic theories of Einstein were blooming, and nobody wanted to hear that these theories were based on the wrong assumption that there is no ether. In 1925, Michelson did the rotational experiment himself and confirmed the result of Syniak – there is ether. However, nobody wanted to hear the truth that there is ether (see [2] and [4]).

VI. CONCLUSION

Thus, the development of new Quantum Technologies requires revision of our old beliefs: 1/ ether does exist and it is weak NEMF, and 2/ everything material is – a material body and material-specific $NEMF_m$, which is 1,000 times stronger than the weak NEMF of the ether. The observed spontaneous emission $h\nu_1 < h\nu$ after passing by a specific metamaterial could only be explained as spontaneous resonance emission – a resonance with the specific frequencies of the metamaterial $NEMF_m$.

Also, we need to embrace the obvious fact that ether exists. Based on my long-term studies of the aura, I claim that the ether exists and it is very weak NEMF – 1,000 times weaker than $NEMF_m$ [2]. This explains why the existence of ether was denied for such a long time – it is invisible field, which is too weak to be detected - it is 1,000 times weaker than the nonlinear electromagnetic field of the material bodies $NEMF_m$ (see my articles [2] and [4]). The 1,000 times increase of the $NEMF_{ether}$ to make $NEMF_m$ is done by the spinning Black Holes, which are hyperboloid funnels of antimatter (thus the name Black Holes in the ether) sucking ether's weak NEMF from one side and spitting out plasma star on the

other side with 1,000 times stronger material-specific $NEMF_m$.

Thus, the fact that after passing through columns of metamaterials the laser beams are modified differently means that everything material is a material body and NEMF [4], but the NEMF of each material is material-specific, i.e. it is the ether NEMF multiplied 1,000 times and with imprinted specific frequencies of the material. Only in this way can we explain the specific influence of different metamaterials on the passing by them laser beams. Now, when we try to make quantum computers operating with informational NEMFs, it is high time to acknowledge the fact that: 1/ everything material is a material body and material-specific $NEMF_m$, and 2/ the ether exists and it is weak NEMF.

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