

Noise treatment of non-local tumors in accordance with field life from Russian Cosmism

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Abstract: - An instantaneously correlated cosmos of monistic field masses in Russian Cosmism modifies the dualistic Einstein equation and explains all measured corrections to Newtonian gravity. We aim to study new medical principles for a holistic cosmoplanetary citizen of the monistic universe of Umov, Tsiolkovsky, Vernadsky, Chizhevsky, and Kaznacheev. Focusing on the 4D holographic emergence of a non-local tumor, cosmists propose that information primacy in specific metric time is causing the elastic "being" of holistic bio-tissues on the Euclidean 3D overlap of living field organisms and inert field masses. Dissipation and resonant exchanges between holistic field bunches allow for temporal evolution from "being" to "becoming" in competitive hierarchical processes with elastic (Shannon ordering) and inelastic (Clausius disordering) types of entropy. Local noise can disturb non-local ordering of field information in biological holography and disrupt the quorum coherence of cancer cells in the 4D metric holism of purely field tumors. Non-thermal fragmentation of a non-local whole (macro-tumor) into weakly correlated micro-bunches of mesoscopic massive fields using microwave and terahertz resonances will facilitate the natural destruction of cancerous pathology through local T-cells. Cryptographers are encouraged to study the holistic nature of big bio-data in a non-empty spatial continuum of field matter with built-in information, in order to decipher and intelligently control the non-local bio-evolution of Kaznacheev's field life in a monistic universe with macro and mega quantum entanglement.

Key-Words: - Elastic 4D holism, monistic matter-space, controlled gravitation, non-local organisms, yin-yang energies, causal time, emergent field masses, ideal-realism.

Received: March 23, 2026. Revised: April 18, 2026. Accepted: May 23, 2026. Published: September 28, 2026.

1 Introduction

Plato's logical assumption about the immaterial "arête-eidos" preceding the material forms of visible bodies with invisible etheric extensions branded him as an idealist, in contrast to materialistic thinkers who started with the primary dualism of separated inertial bodies and their massless field forces. The historical development of cosmism's national philosophy [1], [2], [3], which was banned in the USSR by Marxism-Leninism, follows a monistic universe with a global unity between everything and everyone, and does not reject ideal-realism [4]. This natural and social philosophy, called Russian Cosmism, combines the ethereal foundation of Plato's idealistic world with material realizations of immaterial time flows on a

three-dimensional observational screen and corresponding methods for managing physical nature, consciousness, and society.

The geometric approach to holistic self-organization in Russian Cosmism in the 21st century led to a non-dual modification of the Einstein Equation of 1915. In 2007, this modification was first applied to the static self-distribution of field mass and then to the non-stationary self-oscillations of metric holism with continuous inertial densities [5], [6]. Rewriting the dual gravitational equations into non-dual terms for correlated field masses maintained Euclidean 3D space and the monistic mechanics of nonlocal material complexes [7], [8]. Recall that in 1915, Einstein and Hilbert did not use Mach's neutral monism and non-local relativity of distant masses, in

order to avoid conflict with Newtonian dualistic references.

Leading physics journals are reluctant to publish any deviations from the CERN Standard Model, which is based on the Newtonian concept of fundamental forces acting between material particles (or centers of quasi-elastic hierarchies). The measured forces can only describe inelastic energy exchanges between volumetric masses. Their self-gravitational yin-energies, or "things in themselves", cannot be observed or measured in positive 3D yang-energies. Consequently, modern researchers and clinicians generally lack knowledge of quantum matter monism or holistic macro- "beings", which deal with self-actions of non-local wholes without partners or mutual interactions.

Today, Mach's primary elements for emergent matter and consciousness can be associated with non-material bits of Shannon information. In theoretical calculations, the correlated information entropy results in the inverse square law for both electrical and gravitational phenomena [9]. In Mach's time, the concept of a parallel mental and physical generation based on information theory had not yet been developed, and it was impossible to imagine the informational coherence of holographic movement and its implicative-explicative orders [10]. The Broglie-Bohm wave mechanics and monistic physics of Russian Cosmism, for macroscopic averaging of field self-organizations with inelastic mutual perturbations, are complementary theories of material space based on emergent metric connections in averaged hologram distributions. These monistic theories allow for testable predictions to be made and for conceptual experiments to be proposed, both for controlling non-local gravity and clarifying close non-local mechanisms in the mutual interplay of holographic consciousness and holographic matter.

The author, an experienced lecturer in electricity and magnetism, quantum mechanics, and general relativity, believes that the primary reason for the macroscopic self-organization of a tumor (and other structural pathologies, including infection by a correlated bacterial quorum) lies in internal information communications, while weak interactions with external tissues, chemical drugs, and radiation doses play a secondary role. A holistic approach based on Russian Cosmism to the non-local organization of a living tissue means that internal diseases should primarily be treated with holographic consciousness, resonance enforcement, or noise therapy that disrupt the non-local auto-processing of pathological information rather than with drug-induced perturbations. If someone learns how to control non-local gravitational links within the

framework of the metric theory of field masses, with a Taoist balance of emerging yin-yang energies [6], then practical ways will be discovered by analogy to controlling local fragments of hologram tumors using non-local consciousness and local noise or resonances.

2 Monistic pan-unity of geological, biological and noospheric holograms of time-driven matter

The dualistic physics of spatially separated bodies and massless fields in a void is inspired by the nearly complete conservation of apparent masses in quasi-elastic states and collisions, which occur in everyday life. Dualism has developed over centuries and will continue to describe the transfer of information and temporal dissipation of energy through retarded interactions between uncorrelated partners. Irreversible physics with the "thermodynamic" arrow of time for inelastic interactions involving wave delays in energy and data transfer plays an important role in predicting hierarchical evolution on a shared three-dimensional spatial screen. Elastic four-dimensional hierarchies of holistic mass-energy should not be projected on 3D space of observations as point masses. Instead of considering point-mass-energy integrals, mc^2 , with retarded mutual interactions in empty space, realistic mechanics of continuous holistic masses can consider the spatial overlap of extended elastic distributions in common space for all visible and invisible hierarchies. Inelastic exchange with retardation through wave quanta leads to temporal reshaping of information and energy into timeless (chronological or choral) patterns of elastic holism, for emerging field masses with non-local correlations in their geometric density.

During the temporal intervals between random inelastic collisions, elastic hierarchies preserve their mechanical mass-energy integrals and their 4D geometrical holism. The continuous density of field hierarchies correlates at all spatial scales according to the superfluid laws of motion at all spatial levels, unless macroscopic entanglement is corrupted by dissipative noise or local measurements. In the case of external perturbations and weak inelastic processes, the elastic holism of correlated cosmic densities maintains instant feedback of choral responses through the nonlocal hierarchy. For a completely isolated macroscopic system with negligible dissipative losses of holistic field densities, it is necessary to control information over optimal self-organization through instantaneous correlation of big data.

Quantum physics with spatial entanglement of correlated massive fields also seems to be aligned with the primacy of informational rules for self-distribution. Anyway, the metric description of an isolated molecule, solar system, or galaxy requires shifting away from the dualistic dogma of Newton's worldview towards an elastic holism and towards a unified distribution of primary information for emergent material fields with adaptive geometric connections. Such a self-contained basis for describing self-gravitating metric mass [5], [6], [9] quantitatively explained all known relativistic corrections to Newtonian gravity. Monistic physics of extended bodies with spatial entanglements should also lead to many new observational predictions from the primary organization of non-material information and the emergent fields of metric mass and secondary stresses without a fundamental force notion. One day, advanced information theory will replace the dualistic simplifications of monistic nature with chronological (elastic) and temporal (inelastic) phenomena in the unified processing of distributed world data.

Without comparing the holistic concepts of matter in the sacred Tao and Hindu teachings of the East, let us return to the massive field ideas of Russian cosmists, [2], [3], [11], [12], [13], [14], [15], [16], [17], and [18]. They proposed the monistic unity of the etheric world without voids. According to Russian Cosmism, all elementary hierarchies, including electrons, humans, and galaxies, are overlapping, self-organizing distributions across all cosmoplanetary scales, with non-equilibrium pulsations of continuous densities. Today, this monistic approach to hierarchical self-organization of continuous mass-energy with self-action can be quantitatively extended to include temporal processing of built-in information [19], [20], as well as noise crypto-therapy for non-local living tissue.

The mutual superposition of elastic material densities within ethereal hierarchies contradicts the idea that empty space can contain point sources or black holes. However, this does not negate the possibility of one-way inelastic exchange according to Newtonian mechanics for massive bodies. Extended cosmic self-organizations with built-in information are self-regulated by the local Lomonosov auto-push of the ethereal liquid [9], [11] rather than by divine gravitational pulls in the void. In other words, gravity is not a fundamental force in Russian Cosmism, but a controlled secondary phenomenon or a local consequence of correlated information processing within a self-organized ethereal continuum with emerging realizations of mass densities and visible forms.

Each elastic macro-hierarchy is a specific spacetime of the corresponding 4D manifold with a large volume integral of ethereal mass-energy in motion, $kmc^2 \leq mc^2$ [12]. Inelastic exchange occurs between overlapping hierarchies of field masses that are responsible for their quasi-elastic rest energy, $+ mc^2$. Only weak exchange in the dissipative evolution of hierarchical distribution can be adequately described by the dualistic mechanics in terms of point masses (centers of inertia). To search for novel physics, high-energy particle accelerators are used to artificially increase exchange energy to the relativistic rest energies of elastic hierarchies.

In the Newtonian paradigm of empty space, the continuous filling of physical space with overlapping mass densities and de Broglie waves is not possible. However, the macro-quantum cosmos of ethereal mass densities, with continuously built-in informational entropy, can update medical-biological models based on assumed bio-fields [21] and a non-local line of non-chemical and non-contact cell-to-cell communication. Russian cosmist Kaznacheev was strongly influenced by the monistic ideas of domestic philosophers. He supported the causal mechanics of Kosyrev in many scientific experiments, including remote vision and communication. Medical studies supported the field nature of life in a laboratory by discovering the phenomenon of "intercellular distant electromagnetic interactions in a system of two tissue structures", [22], [23]. Kaznacheev's medical laboratory in Novosibirsk aimed to integrate human physiology and health into the broader philosophical and environmental context of Russian Cosmism through the pan-unity of field matter in Umov's, Tsiolkovsky's, Vernadsky's, and Chizhevsky's monistic universe.

Noise immunity of bio-information is essential for self-assembly of bacteria, living tissues, and organisms at room temperature. The therapeutic aim is to destroy long-range information patterns in macroscopic tumors (and non-local inflammation with bacterial correlations) using appropriate noise interventions. Previous studies have shown that time-control devices can alter wave spectra and spontaneous radiation rates of self-assembling nuclei. Similar "noise versus information" or "chaos versus order" devices could be used in biomedical applications. Vernadsky initially supported non-Euclidean spaces of General Relativity in different minerals and living organizations, but eventually rejected them in favor of the universal space geometry of all natural bodies. The specifically ordered time flow inside minerals primarily determines their spatial properties in 4D spacetime

unity, resulting in temporal changes in mass and energy densities that are admissible for observation and measurement. Vernadsky proposed studying specific time ordering through laboratory experiments with generated spatial densities. Kozyrev and other Russian cosmists later considered the "time river" to be the main cause of the visible replacement of dense regions (called visible bodies) in 3D space, which should have universal Euclidean geometry for all events and observers.

The specific time dilation of quasi-isolated hierarchies is related to the instantaneously correlated processing of distributed big data [5], [6], and [9]. This internal process maintains the hierarchical appearance of active and passive metric densities at the zero-sum energy balance of kinetic capacity and negative self-gravity, which arises from external action and internal self-action. By relating information processing to specific choral fields, or "the time river", as in the causal mechanics of Russian cosmists, informatics can be seen as the initial driver of emerging mass densities and consequent geodesic relationships with secondary metric stresses and fields of nonlocal mass-energy. The information organization behind specifically dilated metric time has correlated structure, space- and time-invariant properties in holistic metrics, and other properties of nonlocal matter that make metric and thermodynamic times amenable to experimental investigation [24], [25]. The temporal processing of built-in information in specific spacetime organizations should also be studied in laboratories, in the same way that experimenters study the emergent sub-properties of space, time, and mass-energy.

Thermal warming in local regions can weaken and completely destroy non-local connections in macroscopic superconducting lines. Accordingly, for the nonlocal phenomenon of gravity, it is possible to explain why, in the practice of accurate measurements, heating samples only weakens [26] their attraction to Earth, despite an insignificant increase in inertial mass due to additional heat. As with warming up, shaking a box of metal balls and vibration temporarily reduces the measured weight [27] in laboratory experiments on gravity control. By analogy with suppressed superconductivity by heat and thermal control of gravitation in the monistic universe of Russian Cosmism, it would make sense to experiment with thermal, resonance-vibration, and noise disruption of non-local links inside macroscopic tumors and other biological tissues. Healthy cells in low-energy noise will weaken due to the absence of non-local correlations within a functional organ, but unlike

weakened pathological cells, they will not be chemically destroyed by the immune system as foreign.

3 Nonlocal correlations strengthen tumor cells, while noise destroys non-locality

According to the "sampling" theorem [19], a receiver can recover 100 percent of incoming information across a continuous range of analog frequencies provided that the noise-resistant requirements are met by the digital sampling. When this 1933 theorem is applied to living tissues, they seem to retain full knowledge of their non-local distribution up to a lethal temperature of 45 degrees Celsius. Attempts to destroy a well-informed tumor by direct massage or weak heating result in accelerated tumor growth. Conversely, the clinical improvement of oncological patients following non-contact massage by uniquely gifted healers is well documented. What are the physical grounds behind the non-contact healing of correlated cancer cells shown schematically in Figure 1.

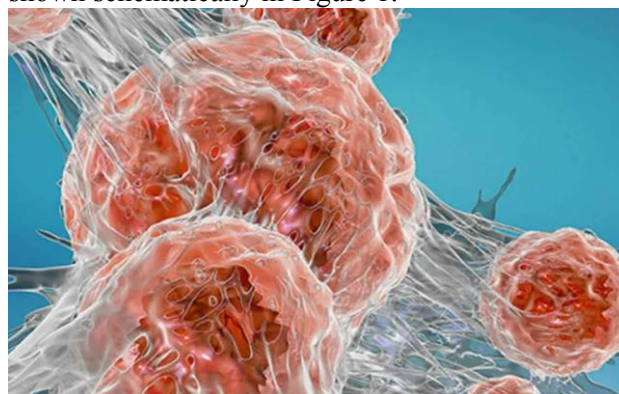


Fig. 1: Noise resonances make immune T-cells more effective by causing cancer microcells to lose non-local connections and information-energy support from the tumoral macro-organization.

Source: [28]

The 2022 Nobel Prize in Physics marks the emergence of quantum entangled distributions of correlated matter from the proverbial microcosm into the world of macroscopic laboratories and medical clinics. Experimental confirmation of non-local phenomena at the macroscopic scale supports a holistic view of the world, in which the fractal recurrence of quasi-isolated hierarchical structures with dissipative energy exchanges between them does not conflict with the presence of instant communication within each hierarchical structure. The cytotoxic activity of immune T-cells leads to

successful destruction of random tumor cells until they begin to be supported by elastic connections within a non-local macro-organization. Collective enhancement of mechanical properties is well known in condensed matter physics, including the Mossbauer effect and relevant superfluid phenomena in low-temperature labs.

By modeling a tumor as a non-local hierarchy with instantaneous correlations of big data and their processing without information loss in optimal noise lines [19], [20], we can also consider the destruction of information of self-organized bio-nonlocality by suitable noise with low-energy interventions. If specific noise resonantly destroys the non-local connections of tumor cells in an elastic macro-hierarchy without lethal effects on healthy tissue, a tumor broken into informational microfragments can naturally be treated by the immune system. Noise resonance probes that split a nonlocal macrohierarchy into microfragments without long-range ordering of diseased cells or bacteria could lead to new therapeutic principles and medical devices.

Nature tells us that it is harder for predators to pick prey from a correlated pack in water environments (see Figure 2). Similarly, it is harder to fight off the non-local macro-tumor for dispersed T-cells. Therefore, new therapies depend on studying the consequences of macro-quantum entanglement breakdowns in pathological information organizations, including internal tumors, skin melanomas, and quorum-sensing bacterial formations.



Fig. 2: The holistic energy organization processes information instantly and protects potential victims through the timeless unity of large energy integrals. Source: [29]

In living systems, complete information preservation is provided for most vibrations and noises within the temperature range acceptable for life. Harmonic vibrations or sound noises are very easily overcome by living cells through organizing non-local entanglement in macroscopic tissues, according to the noise-resistant Kotelnikov and

Shannon laws for information processing. The recently invented technique of histotripsy, or focused ultrasound tumor ablation, is too powerful, therefore too damaging. It essentially amounts to a mechanical operation that turns tumor and surrounding healthy cells into unstructured mincemeat, including the destruction of cell membranes at the microscopic level [30].

The noise-based tumor therapy can use targeted cryptography to disrupt intercellular communication without damaging cells, whether they are diseased or healthy. This new treatment is based on self-healing by the patient's own immune T-cells, which do not suppress healthy tissue, as in alternative treatments with intense sound, radiation, or chemical drugs. It is enough to slightly misalign the movement of elements with the collective movement of the whole formation in Figure 2, so that a predator (T-cell) can get close and destroy them.

If selected correctly, noise blocking on cancer cell communication can be maintained safely 24/7 until the tumor is completely eliminated by natural T-cells. In clinical practice, there are many examples of spontaneous healing, where tumors disappear even in the final stages. It is believed that unstable bioinformatics programs behind tumors and other pathological processes are responsible for this. Therefore, non-local processing of large biological data, facilitated by gentle signal/noise control, should one day become a new information tool for cancer therapy. Holistic geometrization of massive hierarchies with built-in information distributions, as well as monistic macro-physics of living self-organizations with holographic consciousness, are necessary for further scientific progress in biology and modern medicine.

4 Information-driven time for self-organization and treatment of living matterspace in monistic physics

The continual mechanics [12] for the speed-dependent ethereal mass-energy $\sqrt{1 - (v/c)^2} \mu c^2$ is quantitatively consistent with the Lorentz transformations and de Broglie's frequency changes under motion [5]. Such monistic physics of continuous ethereal mass-energies with the 4-vector transport replaces Newtonian pull from "there to here" with Lomonosov's local self-push from "here to there", [9], [11]. In general, the monistic physics of Russian cosmists for the holistic self-organization of elastic densities in non-local mass-energy hierarchies with episodic inelastic exchanges for world evolution conceptually contradicts dual mechanics with

"fundamental interaction forces" between separated partners in a void. Briefly, the intense simultaneous self-action of a holistic mass-energy integral within its spatial volume is randomly influenced by inelastic mechanical collisions with the Machian "rest of the universe". This anti-Newtonian worldview supports Bohm's holographic self-organization in living organisms and calls for temporal activation of primary self-healing through informational self-influences under relatively weak outside interventions.

The holistic approach to each quasi-isolated hierarchy of massive fields with instant elastic connections (between random inelastic perturbations) requires a non-dual modification of Einstein's 10-component equation. This famous equation from 1915 must be "simplified" by the Hilbert variations of the monistic field action to only four independent nullifications in the so-called Einstein tensor,

$$(-G_{0\mu}) \equiv B_{0\mu} - g_{0\mu}(R/2) = 0, \quad (1)$$

where $B_{\mu\nu} \equiv \nabla_\mu a_\nu + \nabla_\nu a_\mu$, $a_\mu \equiv u^\nu \nabla_\nu u_\mu$, $u^\nu \equiv dx^\nu / g_{\alpha\beta} dx^\alpha dx^\beta$, $B \equiv g^{\mu\nu} B_{\mu\nu} = g^{\mu\nu} R_{\mu\nu} \equiv R$, $B_{ij} - g_{ij}(R/2) \neq 0$, $B = R = 8\pi G c^{-2}(\mu_a + \mu_p)$, and $\mu_a = \mu_p$ in the case of a Euclidean matter-space continuum specified by a geometrically stretched time flow, as a primary cause of emerging active μ_a and passive μ_p mass densities, [5], [6], and [9]. The flat-space metric solution $ds^2 = [dx^0 rc^2 / (rc^2 + GM)]^2 - dr^2 - r^2 d\Omega^2$ of the non-dual equation $(-G_{00})c^2/8\pi G = 0$ for static field densities of the non-local mass has not been falsified by the known gravitational experiments.

Without the sophisticated mathematics, the self-organizing tendency of de Broglie particles-waves or extended biocells with instantaneous communication can be qualitatively understood using the well-known example of Huygens metronomes. A disordered system of independent oscillators on a common table reduces the chaos of disparate motions and leads to a reduction of the Clausius entropy as the in-phase of the oscillations increases. Similar self-organization of neighboring biocells leads to specific temporal rhythms of biotissues with the appearance of macro-entangled states.

The non-local self-organization of oscillation metronomes does not ignore common dissipative interventions in the form of local heat or inhomogeneous temperature changes. Therefore, the natural tendency towards holistic self-action and information ordering can be knowingly disrupted by non-equilibrium interventions into Lomonosov-Kozyrev self-propulsion within a Broglie-Bohm hologram of standing material waves. Noise-immune

information techniques [19], [20] can shed some light on inertial self-acceleration and gravity control in the material space of monistic physics. Cryptographers are encouraged to study the built-in information of massive fields for non-equilibrium telekinesis and field therapy methods to gently destroy holistic tumors and bacterial quorums.

Contrary to the dualistic Einstein equation of December 1915, the non-dual analog (1) for pure field physics maintains Gurvich's and Kaznacheyev's fields of life and other monist declarations of Russian Cosmism. The static metric solution of (1), published online first in 2007, clarifies the Mach principle quantitatively and explains all measurable relativistic corrections to Newtonian gravity in time-causal Euclidean densities of material 3D space. Today, there is no experiment that could falsify the metric solutions of the four-component mechanical equation (1). The corresponding turn from the dualistic worldview of Newton to a monistic universe of Umov - Tsiolkovsky with field forms of life for biology and medicine, Russian cosmists are starting to discuss again on a quantitative basis.

By returning to holistic bunches in monistic field physics, it is much more difficult for a predator to pluck a single victim from an elastically organized flock of birds or school of fish, which show almost instantaneous correlations of turns and movements. Similarly, it is more difficult for a T-cell to pluck a single cancer cell from a non-local macro-hierarchy with reduced entropy, because each part of the elastic whole is protected by attained system properties. Natural scaling suggests that the precursor to curing the self-organized tumor is its defragmentation into disparate sub-hierarchies, preferably down to the scale of a T-cell. The battle of T-cells against highly organized macro-hierarchies is ineffective, which in practice looks like the immune system completely ignoring the tumor.

After initially supporting the conclusion about non-Euclidean space from General Relativity, Vladimir Vernadsky, like other Russian cosmists, later rejected the idea of a non-Euclidean three-dimensional space. Unlike geometers, who only rely on measured distances between points, Russian cosmists insist on the continuous filling of monistic material space with massive, inertial ether without voids. Vernadsky proposed relating the specificity of each organism or elastic substance to specific unity in space-time organization while preserving Euclideanism for common space. Here, the inhomogeneous distribution of metric time rates (defined by the Shannon information law) within the holistic "being" becomes the basic concept of each space-time formation, as it emerges from primary

information bits (Plato's "arête-eidos", Mach's "neutral elements") for secondary metric stresses and field densities of non-primary matter.

Vernadsky rejected the idea of spontaneous transformation of non-living matter into living cells, favoring the eternal existence of life and inorganic matter throughout geological history. He advocated the experimental study of living structures and measurable properties of their space and time. He identified the asymmetry of right- and left-twisted isomers in living cells, as established by L. Pasteur (1822-1895) and P. Curie (1859-1906), as the basis for their conceptual distinction from non-living compositions. Theoretical methods for informational destruction of biological tissues seem to be accompanied by geometric problems of asymmetric isomerism and spatial-temporal rotation. These poorly discussed ideas of Vernadsky and other Russian cosmists are still awaiting further exploration for promising applications in medicine.

The theory of immaterial information operates on idealistic objects - bits of encoded data. No one accuses programmers and mathematicians of unphysical idealism. But their four-dimensional objects in pseudo-Riemannian geometry have an immaterial (time) dimension for the space-time representation of three-dimensional matter. This immaterial dimension manages the observable volumes of material density and sets their three-dimensional variability. Thus, the ideal-realist philosophy of Russian Cosmism must be returned to physical and medical discussions about emergent phenomena on a three-dimensional material screen. There may be intangible dimensions such as time, information, entropy, consciousness, and symmetries that govern the biological rules for elastic bundles of living massive fields and their inelastic transformations.

5 How to destroy noise-resistant information in bio-systems

In the absence of external intervention, Huygens' metronomes synchronize with a decrease in total entropy over laboratory times comparable to the period of metronome oscillation. Wexler's autophasing of a particle beam in a synchrotron works in a similar manner. It is possible to disrupt the information link between one metronome and the rest of the autophaser system by means of, for example, weak resonant-shift effects. In principle, even a planet could be removed from its equilibrium geodesic and taken out of a steady orbit if resonant

waves affect the Lomonosov self-propulsion in the non-local solar system.

Huygens' metronomes can be misaligned by both mechanical vibrations from the common table and weaker resonant effects on each selected metronome. Given the mesoscopic and macroscopic sizes of dangerous tumors, it is advisable to start investigating their micro-fragmentation using white noise in the terahertz and microwave ranges. White noise will help to find specific resonances that leave volumetric pathology without quantum macro-entanglements and the chance of self-repair under quorum sensing mechanisms. The theory of resonant energy transfer confronts strongly nonlinear models of flutter and self-modulation, which rarely lead to analytical solutions, even for inanimate matter. Therefore, experimental search for methods to destroy tumors by specific noise should outpace mathematical modeling of obscure processes of self-organization. As there are examples of non-chemical self-healing in cancer patients, experimental search for field treatment should not be delayed until theoretical breakthroughs in mathematical physics and bioinformatics.

Due to internal elasticity, each tumor cell restores its free autopulsations in molecular micro-times after the cessation of healing with noise interventions. The transient period for restoring undisturbed nonlocal connections in a macroscopic tumor is somewhat longer than molecular micro-time, but still very short. If non-contact therapy is indeed associated with destruction of intercellular elastic correlations, the essential treatment ends almost immediately after the noise session ends.

Noise devices for disintegration of the tumor information field into isolated fragments will be most effective in the 24/7 regime. Healthy tissues will not be damaged by such a provisional treatment because the immune microcells will not attack living structures without pathology. For gentle disintegration of non-local connections within the macroscopic hierarchy of correlated mass densities, it is sufficient to locally destroy anisotropic parts of material densities near their massive concentrations, as calculations show for the holistic mechanism of mechanical [9] and electrical [8] self-organization.

Even in the 24/7 mode of noise exposure, a self-organized cellular quorum maintains a multi-level system to protect and repair non-local communication, up to metabolic suppression of extraneous noise. There is no need to scientifically decode all the mechanisms that nature has developed to overprotect its information structures. Instead, it is necessary to replicate and modify the known laboratory tests [22], [23] and search for

experimentally available modes of intercellular communication suppression today. Again, by accepting the non-local informational reality of emergent masses with competing entanglement and dissipation, it is important to realize that Newtonian distance pulls "from there to here" are secondary observational phenomena, not fundamental interactions. The distant force-pull should be replaced by the local self-acceleration of correlated matter "from here to there". In fact, the non-existent gravitational pull "from there" was never shielded. But the Lomonosov self-action "here" in the non-local whole can be locally altered in practice by noise perturbations of tiny anisotropy of correlated densities for hypnosis, non-chemical/non-contact healing, telekinesis and partial levitation, if required power is provided.

Gravity and electricity are not fundamental forces of long-range action, but secondary consequences of the chronological information flow that can be controlled locally according to the monistic physics of Russian Cosmism. Similarly, living organisms and their diseases, including tumors, can also be controlled by external modulation of the chrono-information flow through each organism. The holistic physics of the field organization of continuous mass-energy suggests a zero balance $Mc^2 + (-Mc^2) = 0$, for the Umov-Einstein positive content of kinetic actions, $+Mc^2$, and self-gravity integration over inward self-actions, $-Mc^2$. This Taoist organization of "things from nothing" occurs for such emerging masses, whose metric stresses comply with the information law for correlated data distributions on noisy lines [9]. For example, an isolated star has zero total energy due to its self-gravity. Wave radiation/absorption is a fine imbalance between positive kinetic energy (-yang) and negative potential energy (-yin). The spatial processing of continuously distributed data maintains the positive energy $+Mc^2$ for observable events in possible mechanical collisions and measurements, as well as the negative energy and nega-entropy due to unmeasurable self-actions.

The nonlocality of material densities in each elastic hierarchy is formed by internal informational processes through the causal rate of metric time, $d\tau(x) / (dx^0/c) \neq 1$, under the world time dx^0/c . Therefore, unobservable data processing is the primary basis for material existence in 4D specific spacetime, with observable spatial formations on the 3D Euclidean screen as their secondary consequence. There are no emerging masses in Minkowski 4-geometries with $d\tau(x) / (dx^0/c) \equiv 1$. The information nature of

correlated time flow over observable bodies, with Taoist balance of Yin-Yang energies, deciphers the causal-time mechanics [15], [24], [31]. This unrecognized theory suggests decoding the chronological ordering of the "time river" through laboratory measurements of observable spatial densities with temporal changes. This worldview maintains that choral (instantaneous) self-actions with negative (yin) energy integrals cause spatial "beings" with positive (yang) energies. Having been formed independently through comparing dream and reality, Russian Cosmism often follows the Yin-Yang dialectic, the Chinese Book of Changes (I Ching), and the new-Confucian principle (*li*) for observable realizations through the causal time approach of Vernadsky and Kozyrev. This approach also suggests [5], [6], [9] that the non-material time dimension, controlled by immaterial information bits, is the primary reason for the materialization of volumetric bodies in three dimensions.

Specifically, stretched time flow (or specific information processing in each hierarchy) is a primary cause of the 4D "being" of underestimated Vernadsky's views. But how can one control or modify in practice the governing "time river", assumed by Russian cosmists? Many unpublished experiments have been performed by Kozyrev on the nature of time's causation, presumably supplying energy to thermal imbalances. White noise and flicker changes have been studied in correlated systems. Macro-entangled bio-systems, such as described in [32] and [33], are suitable objects for conceptual studies of the monistic universe. New nonlocal physics beyond the Standard Model of fundamental force interactions is required to understand many biological phenomena and medical practices. Deciphering the immaterial nature of causal time is the key to searching for the expected unification of quantum mechanics, statistical physics, turbulent hydrodynamics, thermodynamics, information theory, and other disciplines underlying engineering knowledge and observable events in the three-dimensional material world [34]. There will be no information methods for non-local therapy without time-nature explorations in modern laboratories of non-material data flows from higher dimensions into the 3D material space.

6 Discussion

Plato, in his famous dialogues, was the first to assert the existence of an ethereal material space: "Space and matter are one and the same." This Hellenic space-substance, without voids, is combined with the views of Russian Cosmism on the cosmoplanetary

nonlocality of humans as inhabitants of the entire universe, not just the small planet Earth. The coherent ideas of Vernadsky, Kozyrev, and Levich regarding the primacy of the specific flow of time (which is an immaterial flow of neutral elements or bits of information in recent developments [9]) for the secondary realization of measurable material densities are still unacceptable to the dual concept of primary particles and their fundamental forces.

The non-local holism of extended hierarchies with elastic self-actions and immeasurable (yin) energies can improve our understanding of low-energy physics involving inelastic exchange between measurable kinetic (yang) energies. Massive bodies are now represented not only by their centers of inertia, but also by overlapping elastic distributions in shared material space. Laboratory experiments that study "noise versus information" to alter local time rates in specific spacetimes of biosystems may be essential for future medical applications and energy theories involving biological self-organization of emergent mass densities.

The Standard Model of modern physics describes the dualistic effects of the interaction between different objects through the concepts of mutual forces and energy-momentum exchange between centers of mass. However, to understand biological systems and the cosmoplanetary essence of humans, we need to learn how to quantify the holistic self-action of correlated densities in non-local hierarchies rather than just the dynamics of integrated mass points in an external field. Each biological entity is a primary information interplay that drives the hierarchical space-time and its volumetric density on the shared Euclidean screen. Specific geometric connections govern the elastic self-dynamics of this space-time, with the emergence of active yang-energy ($+mc^2$) for external interactions and balancing yin-energy ($-mc^2$), which is derived from internal self-gravity. Active (positive) energy is the kinetic energy of an object's impact on other objects and instruments during measurement. Passive (negative, yin) energy is an unmeasurable inward energy required by a spatially correlated object to maintain its non-local integrity.

Holistic cosmological distributions of correlated quasi-elastic densities in a monistic world with inelastic options for its evolution reject dual Newtonian mechanics and conflict with the Standard Model of paired physical interactions through four fundamental forces. According to Russian cosmists, low-entropy self-organization of continuous (etheral) matter occurs through local Lomonosov

self-accelerations, rather than distant force pushes. The gravitational attraction between visible densities emerges as a secondary consequence of the primary processing of correlated information fields for specifically dilated time flows.

The spatial organization of non-local massive fields into nuclei, atoms, crystals, solar systems, and galactic clusters is a secondary manifestation of the instantaneous (chronal) control of metric times over material "beings". Further processing of their big data towards "becoming" is going through the retarded control of energy and information exchanges under the world temporal parameter dx^0/c . To external observers, nature exhibits small exchanges of quasi-elastic mass-energy, $\delta mc^2 \ll mc^2$, with temporal retardations under such inelastic evolution of quasi-elastic states. Despite being unobserved, negative yin-energies are required for zero-energy self-distributions and are an inseparable part of the observable universe. Local time flows within specific spacetime organizations generate hierarchical mass-energy densities within a common space for 3D observations. This common space, in the monistic physics of Russian Cosmism, must have universal Euclidean geometry for all observers and all observable events. Rather than prioritizing continuously distributed information, modern physicists advocate paired interactions and the dualistic model of the four fundamental forces.

The dualistic approach focuses solely on measurements of observable energy exchanges, leading clinicians to treat only the secondary consequences of diseases, rather than their primary self-regulation and information processing in pathological developments. Proponents of Newtonian mechanics in empty space and its generalizations to non-physical black holes rely on the non-existent concept of a point mass and hypocritically criticize Russian Cosmism for philosophical speculation and lack of mathematical rigor. Academic champions of the pseudoscientific dualism of their contrived particles and field forces are destroying competitors from peer-reviewed journals and disorienting doctors in explaining treatments already discovered in practice. Thus, the 200-year-old therapy of homeopaths has been called pseudoscience in many countries only because patients do not receive "therapeutic" molecules in solution. The Newtonian dogmatists of immaterial space cannot assume that relevant information is accepted by the solvent and affects the cause of disease without initial information carriers. Academicians require editors to reject experimental findings from clinicians without strict quantitative

comments on unexplored information fields, which fill non-empty spaces.

To study living matter beyond the incomplete simplifications of the standard CERN model of massive particles and massless fields, multidisciplinary bio-laboratories, involving cryptographers and big data experts, are required. These laboratories should also decipher the causes of left-handed twisting of amino acids in proteins and model novel processing of instantly correlated bio-data prior to cellular metabolism and division. Advances in space-time bioinformatics are essential for integrating traditional and non-traditional treatments into future medicine.

The proposed noise therapy targets the informational root of disease, rather than its spatial and temporal manifestations. Modern medicine is based solely on the standard model of active energies and paired interactions with chemical drugs. Consequently, it focuses on external influences on observable (yang) densities. However, these spatial densities and events are actually the result of unobservable internal processes. Alternative medicine has learned to control these internal informational processes for a number of diseases at an experiential level. According to the concept of the causal time flow over emerging material densities, gentle interventions into the local metric time of nonlocal bio-formations can provide non-thermal therapy over 24-hour/7-day intervals. Experiments involving information noise with eggs in incubators and bacterial distributions in laboratories can reveal the informational basis of living self-organizations. Technologies that can alter specific rates of local time and the emerging densities of self-organization in 3D space for spatial observation can enable information methods to treat non-local tumors.

7 Conclusion

The scientific development of Russian Cosmism, which adopted the concept of mobile ether by Lomonosov-Umov and the dream-real dialectic of Russian ideal-realists to explain the controlled coexistence of measurable and immeasurable energies without thermal death, was forcefully interrupted in Russia. Non-Newtonian cosmism contradicted the materialistic dogmas of Marxism-Leninism, which resulted in two philosophical steamships in 1922, massive repression of idealists in 1937-1938, and the closure of military unit No. 10-003 by Ginzburg's academic commission in 2003. However, experimental progress with entangled macroscopic states and non-local information transfer, which extends beyond the fundamental

interactions of the Standard Model, has not been stopped by administrative measures. The monistic universe of Tsiolkovsky, with Lomonosov's self-propulsion, complied with Machian relativity, correlated cosmic masses, and macroscopic averaging of nonlocal quantum distributions. Bohm's holomovement, built-in Kotelnikov - Shannon information, and holistic geometrodynamics grew up from the mathematical developments of this old etheric physics.

Experimenters are encouraged to study the informational properties of space-time hierarchies to develop instrumentation that controls built-in data processing and the corresponding time rate. The aim of medical applications may be gentle fragmentation of nonlocal tumors due to temporal noise for correlated information patterns. Resonant artificial noise in the natural flow of causal metric time (or local perturbations of the specific time flow in a nonlocal tumor) can destroy long-range entanglement and instantaneous communication in bio-tissues and bacterial macro-distributions. The experimental study of already validated remote bio-communication may support the holistic matter organization in (1) and lead to non-contact methods for the instrumental treatment of cancerous tumors and bacterial inflammations by locally disturbing the common information space of living systems.

In monistic field physics, all adaptive organisms and bacterial organizations, in general, and tumor sub-hierarchies, in particular, have evolved to maintain and monitor information about their spatial formations in the face of temperature noise and other disturbances from ongoing energetic processes. The method-oriented development of cryptography and optimal noise immunity [19], as well as informatics of optimal lines with noise [20], can provide the theoretical foundations for non-chemical therapy to combat non-local communications in pathological tissues with macron-entanglement.

For the heatless destruction of internal information in a developing tumor, as well as in a chick developing in an egg or germinating grains, we can limit ourselves to noise perturbation methods. For more general aims, researchers can look at choral support for teleporting information from one hierarchical structure to another, such as from a goose egg to a chicken egg, or steel target cooking with changed parameters without expensive alloying.

In closing, the author reiterates his opinion that the future technological race will be won by the nation that first starts teaching primary and secondary

school students about the primacy of information in a monistic universe with emerging non-local hierarchies and their inelastic exchange within the evolving Geosphere and Biosphere. Information processing of causal time flows for correlated holograms of physical mass-energy and psychic consciousness within the Noosphere of material thoughts should be studied at higher educational levels.

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Contribution of Individual Authors to the Creation of a Scientific Article (Ghostwriting Policy)

I.B. is the solo author of this article.

Sources of Funding for Research Presented in a Scientific Article or Scientific Article Itself

The research was carried out at the expense of grant No. 23-72-30002 of the Russian Science Foundation.

Conflict of Interest

The author has no conflicts of interest to declare that are relevant to the content of this article.

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