

**ON FUNDAMENTAL
QUANTUM-INFORMATIONAL FRAMEWORK OF
ACUPUNCTURE-BASED & CONSCIOUSNESS-BASED
INTEGRATIVE MEDICINE**

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QUANTUM-INFORMATIONAL BASES & FRONTIERS OF PSYCHOSOMATIC INTEGRATIVE MEDICINE

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ACUPUNCTURE-BASED & CONSCIOUSNESS-BASED HOLISTIC MEDICINE

QUANTUM-INFORMATIONAL PSYCHOSOMATIC FRAMEWORK

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QUANTUM-HOLOGRAPHIC FRAMEWORK FOR CONSCIOUSNESS & ACUPUNCTURE PSYCHOSOMATIC-COGNITIVE IMPLICATIONS

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ABSTRACT. Introduction: Contemporary investigations of *psychosomatic diseases* imply the necessity of application of *holistic methods*, oriented to *healing the person as a whole* and not disease as a symptom of disorder of the whole, suggesting their *macroscopic quantum origin*.

Methods: In the focus of these quantum-holistic methods are body's *acupuncture system & consciousness* – which (within the Feynman propagator version of quantum mechanics) fundamentally have *informational structure of quantum-holographic Hopfield-like associative neural network* – with very significant quantum-holographic psychosomatic implications.

Results: In the context of *quantum-informational holistic acupuncture-based & consciousness-based approaches and techniques*, their goal would be a *bioresonant stimulation* of electromagnetic (EM) psychosomatically disordered quantum state (acupuncture palpatory painful or psychologically traumatic, as one of hundreds possible disordered states) thus enabling that its initial memory attractor is bioresonantly excited (similarly to annealing procedure in artificial neural networks) becoming more shallower and wider on the account of deepening of the (energy-dominating) attractor of healthy quantum state (acupuncture palpatory painless or psychologically non-traumatic) – which is then altogether *quantum-holographically projected* on the lower quantum-holographic *cellular level*, thus changing the *expression of genes*. However, when this process is hindered by *transpersonal entangled blockages* in the energy-state space of EM quantum field of the acupuncture system / consciousness (and numerous laboratory tests are revealing the evidence of entangled minds i.e. *extrasensory experiences* in a quantum reality) – then memory attractors of quantum-holographic network of EM quantum-field-related *collective consciousness* should be removed as well (via *prayer* or *circular (psycho / energy) therapies* from all relevant *meta-positions* included in the problem, thus performing *spiritual integration of personality* which *initiate the process of permanent healing* as suggested by experiences of volunteers in *post-hypnotic regressions*).

Conclusion: So, all these holistic acupuncture-based & consciousness-based approaches and techniques can be treated as *quantum-informational therapies*, by *imposing new healing boundary conditions in the energy-state space* of EM quantum-field-related *acupuncture system / (individual and collective) consciousness*. The above mentioned quantum-holographic psychosomatic framework provides better understanding of the *nature of psycho-somatic diseases* as well as *limitations of their prevention and healing methods*, which might help in *developing strategies for psychosomatic integrative medicine in the 21st century*.

INTRODUCTION

Stress is inevitable consequence of life. To some extent, which is individual, stress contributes to a better adaptation to daily life and work: *stress itself is the life salt* [1]. However, when this boundary is crossed, *prolonged (chronic) stress becomes harmful and causes psychosomatic diseases* [1-6].

At the beginning of 1960s the different causes of stress (hate, anger, fear, frustration, noise, nicotine etc.) were named by Hans Selye as **stressors**, to which an **organism reacts always equally**: injecting sugars, fats, and adrenaline (stress-realized hormone) into the blood, followed by growth of blood pressure, narrowing of blood vessels and increasing secretion of gastric acid – as a *preparatory physiological reaction* of the organism for the *second phase of stress*, of intense muscular strain for **"fight or flight"**.

As in contemporary life and work conditions the **"fight or flight" is missing as a reaction** to stressful situations, thus mobilized energetic and physiological potentials are returning against the organism, and with chronic action can cause *psychosomatic disorders*. So in report of United Nations at the beginning of 1990s the **stress was marked as a disease of 20th century**.

Further on, the **quantum-informational framework of psychosomatics** will be presented, enabling *fundamental understanding* of the *nature, limits and methods of prevention & healing of psychosomatic disorders*, including *optimization of the transpersonal programs within the family environment*.

QUANTUM-INFORMATIONAL FRAMEWORK OF PSYCHOSOMATICS

Contemporary medicine has put its emphasis on the *alopathic-dosed non-economic highly-pharmaceutic* medicine technologies. On the contrary, in the past years more attention is paid to bioadequate *homeopathic-dosed economic bioresonant quantum-informational* medicine technologies, related to usage of such values of the field energy, appearing in normal functioning of human organism [4-26].

So, contemporary investigations of psychosomatic diseases imply the necessity of application of *holistic methods*, oriented to *healing the person as a whole* and not disease as a symptom of disorder of the whole, suggesting their *macroscopic quantum origin* [4-19].

In the focus of these quantum-holistic methods are body's *acupuncture system & consciousness* – which (within Feynman propagator version of quantum mechanics) have *quantum-informational structure of quantum-holographic Hopfield-like associative neural network* [27] – with very significant quantum-holographic psychosomatic implications [4-12] (cf. Fig. 1).

It should be added that RRM-model implies that *biomolecular recognition* functions in *inverse space of Fourier spectra of biomolecular primary sequences* [28-30], similarly to (quantum) holographic ideas that *cognitive processing* functions in *inverse space of Fourier spectra of perceptive stimuli* [31,32], thus supporting idea on *quantum-holographic fractal coupling* of hierarchical levels in biological species [13].

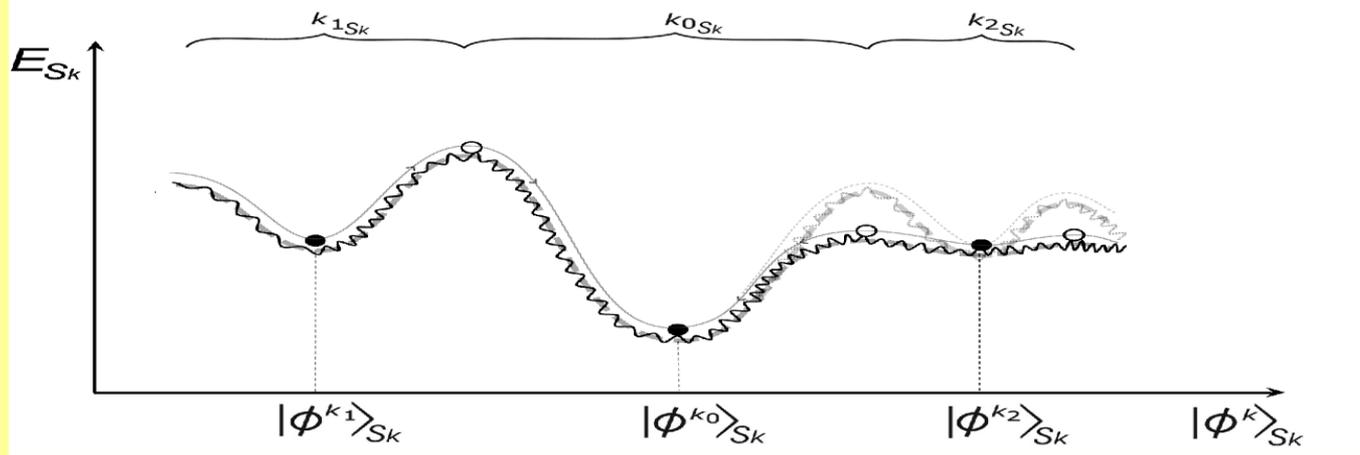


Figure 1. Schematic presentation of the adaptation of memory attractors in the energy-state ($E_{S_k}(\phi^k)$) hypersurface of the *quantum-holographic memory* of various hierarchical levels of biological *macroscopic open quantum systems* S_k (local cell's biomolecular protein/target, local acupuncture system/consciousness, or nonlocal out-of-body consciousness/collective consciousness) [5-11]:

$$G(r_2, t_2; r_1, t_1) = \sum_{i=1}^P \phi^{k_i}(r_2, t_2) \phi^{k_i*}(r_1, t_1) = \sum_{i=1}^P A_{k_i}(r_2, t_2) A_{k_i}^*(r_1, t_1) e^{\frac{i}{\hbar}(\alpha_{k_i}(r_2, t_2) - \alpha_{k_i}(r_1, t_1))}$$

It should be pointed out that Nature presumably has chosen elegant *biological room-temperature solution for quantum-holographic information processing*, permanently fluctuating between quantum-coherent $|\phi^k(t)\rangle_{S_k} =$

$\sum_i c_{k_i}(t) |\phi^{k_i}\rangle_{S_k}$ and classically-reduced $\widehat{\rho}_{S_k}^k(t) = \sum_i |c_{k_i}(t)|^2 |\phi^{k_i}\rangle_{S_k S_k} \langle \phi^{k_i}|$ states of the biological macroscopic open quantum system S_k , via non-stationary bioresonance interactions with out-of-body farther environment and through decoherence by bodily closer environment. Thus *quantum neural holography* combined with *quantum decoherence* might be very significant element of the *feedback bioinformatics*, from the level of cell – to the level of organism – and further to the level of collective consciousness, with *backward dynamic influence on the expression of genes*. This implies *necessity* of quantum-informational successive *bioresonant balancing* of all unwilling side memory attractors (like ϕ^{k_2} in the Figure), which would cause development of *psychosomatic diseases* on the individual level, and *interpersonal fights* in this and further generations on the collective level.

In the context of *acupuncture-based & consciousness-based approaches and techniques of quantum-informational medicine* [4-26,33-72], their goal would be a **bioresonant excitation** of the disordered EM quantum state (**acupuncture palpatory-painful / psychologically traumatic**) thus enabling that its initial memory attractor is bioresonantly excited (similar to *annealing procedure* in neural networks [73]) becoming more shallower and wider on the account of deepening of the (energy-dominating) attractor of healthy (**acupuncture palpatory painless / psychologically traumatic-free**) state – which is then altogether *quantum-holographically projected* on the lower quantum-holographic *cellular level*, thus changing *expression of genes* [5-11].

However, when this process is hindered by **transpersonally entangled blockages** in the EM field-related energy-state space of the acupuncture system / consciousness (on numerous laboratory tests revealing the evidence of entangled minds i.e. *extrasensory experiences* in a quantum reality, see refs. [74-76]) – then memory attractors of quantum-holographic network of EM field-related **collective consciousness** should be removed as well (via *prayer* or *circular (psycho / energy) therapies* from all relevant meta-positions included in the problem [5-11,55-72]), thus providing **dis-entanglement & spiritual integration of personality** which *initiates the permanent healing* as suggested by experiences of clients in *post-hypnotic regressions* [77].

Hence, *all acupuncture-based & consciousness-based holistic procedures* might be treated as **quantum-informational therapies**, by imposing **new healing boundary conditions in the EM quantum energy-state space of acupuncture system / (individual & collective) consciousness** (cf. Fig. 1).

ON MACROSCOPIC QUANTUM NATURE OF ACUPUNCTURE SYSTEM & CONSCIOUSNESS

It should be pointed out that on all quantum-holographic hierarchical levels of biological macroscopic open quantum systems S_k (local cell's protein-target biomolecular one, local acupuncture system / consciousness, or nonlocal out-of-body consciousness / collective consciousness), there exist **two (interacting) macroscopic quantum subsystems** [5,8,10,11]: **modifying many-electron hypersurface E_e & modifying EM multi-phonon hypersurface E_v** , as in Fig. 1.

It should be added that an **multi-phonon energy hypersurface** might also include **low-energy long-range coherent microwave Fröhlich excitations** (created as a result of interaction of electronic and phonon (sub)systems [78,79]), of particular significance in **microwave resonance therapy (MRT)** of a **dynamic modification of the EM multi-phonon (and related many-electron) acupuncture macroscopic quantum subsystem** [4-12,14-16].

The mentioned quantum-holographic picture implies that quantum-holographic hierarchical parts carry information on wholeness, enabling subtle **quantum-holographic fractal coupling** between different hierarchical biophysical levels – including various acupuncture projection zones & corresponding organs and cells, with underlying **macroscopic quantum-informational control mechanisms of embryogenesis / ontogenesis & morphogenesis** and their backward influence on the *expression of genes*, starting from the first fertilized cell division which initializes differentiation of the acupuncture system of (electrical synaptic) "gap-junctions" [4-13].

This problem is of fundamental-theoretical physical significance, as it tackles open question of **universality of quantum mechanics**, i.e. the question of general validity of quantum-physical laws for **macroscopic phenomena** as well, mostly treated by methods of classical physics. Although it was raised in the early phase of founding of quantum-mechanical theory (and temporarily put aside for very different reasons, being considered as a difficult scientific problem), in this respect the situation is not much better today, and it can be said that problem of universal validity of quantum mechanics is still open [80-93], and presumably *needs additional phenomenological assumptions* [90,91].

In particular, our analyses imply the existence of **novel macroscopic quantum biomolecular phenomena**, with **biomolecular chain folding** in an *open environment* considered as a **subtle quantum interplay** between *energy eigenstates & conformation eigenstates* of this biomolecule, governed by *quantum-chemical & quantum decoherence laws* [91].

On the other hand, within an **open biological cell**, a system of *all identical* (non-interacting and dynamically non-coupled) *biomolecular proteins* might be considered as **spatial quantum ensemble of identical biomolecular processors**, providing *spatially distributed quantum solution* to *single biomolecular chain folding*, whose *density of conformational states* – within the *occupational basis of the enzyme conformational states* – might be represented as **Hopfield-like quantum-holographic associative neural network** (HQHNN) too [5-11] (like in Fig. 1).

Since *all successive biochemical reactions are functionally interconnected*, so are *successive HQHNNs in bioinformational framework within corresponding enzymes' occupational bases* – which may be presented in the form of **Haken's multi-level synergetic neural network, composed of layers of successive HQHNNs**.

In such bioinformational framework of Haken's multi-level synergetic neural network, *each of successive HQHNNs layers has a **formal Hopfield-like mathematical structure** in the form of (non-morphological / abstract) 'formal neurons' massively inter-connected by 'formal connections', while the layers of HQHNNs would be mutually quantum-holographically coupled via their 'memory attractors' (within the occupational bases of conformational states of the corresponding enzymes involved) [91].*

Such a **generalized bioinformational framework of Haken's multi-level synergetic neural network**, representing corresponding intra-cellular and extra-cellular biochemical reactions, is *in line* with trends of modelling *hierarchical information processing in cognitive processes* [10,11,27,32].

It should be added, that **quantum nature of water** (and its fundamental quantum-informational nature as Hopfield-like quantum-holographic neural network), with its *memory attractors*, might also *mediate in coupling* quantum-informational intra-cellular and extra-cellular biochemical reactions (this being *possible quantum-informational basis of homeopathy* [21,22] & *some intriguing field-mediated genetic experiments* [94,95]; on some other field-related phenomena of biological water we shall comment later on).

Hereafter, it should be pointed out that **Sit'ko with coauthors** have revealed **necessary & sufficient conditions** for existence of **macroscopic self-consistent potentials** (of so called Landau-Haken type) alongside acupuncture meridians, with EM MW *eigenfrequencies* of healthy and disordered states of the *acupuncture system* [14,96-99], pointing out that living systems are the *fourth level of quantum ladder of Nature* (nuclear-atomic-molecular-biological), governed by specific macroscopic quantum laws of the **Physics of the Alive**.

They also conducted EM MW measurements via specially designed radiometric system (on the level of inherent noises $\sim 5 \cdot 10^{-23}$ W/Hz·cm²), which enabled obtaining of **important characteristics of acupuncture channels & points** [100]: *channels* have diameter of 3÷5 mm in their surface exits in the acupuncture points; *refraction index* within channels is $n = 1$ as in the air, while being 5÷6 in the body outside channels; in case of functional disorders of channels, upon external EM MW flux of $10^{-21} \div 10^{-20}$ W/Hz·cm² the corresponding *acupuncture points* completely absorb radiation, while upon flux greater than 10^{-19} W/Hz·cm² acupuncture points completely reflect external EM MW radiation.

On this line, it is worth pointing out that **Umezawa with coauthors** & **Del Giudice with coauthors**, by applying quantum-field theoretical formalism of *spontaneous symmetry breaking*, have pointed to macroscopic condensates of **evanescent photons in water** (non-propagated / tunneling longitudinal modes of quantum EM field embedded by biological macroscopic ordered localizations of the electric dipole field of water), as a quantum basis of functioning of *cells* [101-104,105-109], while **Jibu and coauthors** have pointed to them as a quantum basis of *consciousness* [110-113].

Based on the principles of **photonic crystals & photonic bandgap guiding** (where the confinement of photons in some low-index hollow-core 3D defect might be achieved by exploiting photonic bandgap reflectivity of surrounding higher-index (quasi) periodic medium [114]), it seems that experiments of *Sit'ko et al* suggest an interesting possibility to consider the **low-index $n = 1$ acupuncture channels as 3D photonic crystal channel waveguides of propagated EM MW photons** (influencing backward the structure & ionic conductivity of channels [4-7,9-12,14,15,96-100]), *confined by the surrounding higher-index (quasi) periodic cellular body medium outside channels* (of $n = 5\div 6$ in the cellular cytoplasm and $n \gg 1$ in the cellular membranes of metabolic depending striking polarization of the volume ion density [115]) *with non-propagated EM MW evanescent photons*. [So, **EM field-related macro-quantum condensates of evanescent photons in water** might be the basis of traditional (scientifically poorly understood!) concept of **qi** (cf. Appendix)].

CONCLUSION

The presented **quantum-informational framework for psychosomatics** provides fundamentals for better understanding of the ***nature of stress-induced psychosomatic diseases as well as limitations and methods of their anti-stress prevention & healing***, which might help in *developing strategies for integrative psychosomatic medicine in the 21st century.*

Thus, it might be said that **three front lines of integrative psychosomatic medicine do exist** [5-7,9-11]: **(1) Spirituality & circular (psycho / energy) therapies from all relevant meta-positions**, with possibility of permanent erasing of memory attractors on the *level of collective consciousness*; **(2) (Quantum) holistic medicine & non-circular (psycho / energy) therapies**, whose efforts temporarily erase memory attractors on the *level of acupuncture system / individual consciousness*, and prevent or alleviate their somatization, as a consequence of the indolence on the first level; and **(3) Conventional symptomatic medicine**, whose activities on the *somatic level* via immunology, pharmacology, biomedical diagnostics and surgery hinder or soothe somatized consequences of the carelessness on the first two levels.

It should be stressed that *necessary activities* on the second and third front lines, with **neglect of the first front line**, might have a consequence of **further transfer of memory attractors** on the level of individual and collective consciousness in this and further generations, thus **accumulating quantum-holographic loads** which afterwards might cause not only illnesses, but also inter-personal fights, wars, and other troubles.

APPENDIX. ON TRANSPERSONAL EXOTIC ASPECT OF ACUPUNCTURE SYSTEM, CONSCIOUSNESS & VITAL ENERGY

Previously mentioned quantum-field theoretical formalism, suggests deeper biophysical origin of **evanescent photons in water**, whose **EM field-related macro-quantum condensates** might be the basis of traditional (but scientifically poorly understood!) concepts of **qi / prana** of energy-informational **acupuncture system / consciousness** [7,25], **detectable within low-index hollow-core defect acupuncture channels** & *non-detectable outside them* (with possible generalization from evanescent EM field to evanescent unified field, in line with traditional comprehension of *qi / ki / prana / mana / pneuma / uncreated light...* as all-pervasive cosmic quintessence [45-47,116]).

These traditional holistic concepts might be additionally supported by fundamental **holographic principle** [117,118] according to which any (3D) physical system is *isomorphic* to the holographic information embedded on its (2D) surface, which implies that quantum-informational content of our 3D body *could be holographically contained* in the corresponding 2D surface layer – **in line** with our macroscopic **Hopfield-like quantum-holographic framework for psychosomatics** and proposed **close relationship of acupuncture system & consciousness** [5-7,9-11] as well (*also supported by novel meridian (psycho / energy) therapies*, with fast removing of traumas, phobias, allergies, post-traumatic stress and other psychosomatic disorders, via simultaneous effects of *emotionally-involved visualizations* of psychosomatic problems & *tapping / touching* of prescribed acupuncture points [55,56]).

In the above context, despite the **(unitary) deterministic evolution** of *quantum-informational Hopfield-like holographic neural network of **collective consciousness*** (as there is no out-of-cosmic environment that triggers (non-unitary) collapse of quantum-coherent state of field-related cosmic collective consciousness & complementary particle-related cosmic environment) [5-7,9-11] – *memory attractors of collective consciousness could still be **prayer-reprogrammed*** – probably **via prayer-excited** new macro-quantum energy-informational portions of **vital energy** in prayer-related persons (similarly to mentally-channeled prana / qi / ki in local & transpersonal healing in Ayurvedic / Qigong / Reiki practices [45-47]), as **dis-entangling energy-informational in-deterministic intervention** in quantum-holographic evolution of collective consciousness (and incoming individual & collective events), thus **(non-unitary) setting new boundary conditions**) [5-7,9-11].

This leaves the most room for **free will** and influence on future preferences – implying **indispensable role of individuals** due to their *influence & care for collective mental environment*.

Our *macroscopic quantum-informational Hopfield-like holographic framework for psychosomatics* also implies that quantum-holographic hierarchical parts carry information about the whole (which resembles the Hindu relationship *Brahman-Atman*, as a whole and the part which contains information about the whole [40,61,63]), allowing ***subtle quantum-informational coupling of hierarchical levels in Nature*** [119-123].

This is supported by *acupuncture system & its projection zones* (ECIWO holographic concept [13]) and *discovery of quantum-holographic influence on the expression of cell genome* (by linguistic-wave-genetic-modulation of irradiating-laser beams [94]), as well as by *transpersonal origin of the amazing creativities* (Tesla and Mozart as case studies [122,123]) and *predestinated life paths & temptations* (as indicated by the contemporary experiences of hypnoregressions [77] and experiences of tribal traditions [57-60] and traditions of East [61,63] and West [61,68], while still *emphasizing* that it is possible to *reprogram / optimize* them by *spiritual purification* [35-72,77]).

It should be pointed out that many **transpersonal phenomena** associated with consciousness [6,35-72,74-77,94,119,122,123] are well documented and even practically incorporated in **psychosomatic energy-correction**, and their *physical explanation* should be sought on the *very border of the current scientific paradigm*.

Within our *quantum-informational / quantum-gravitational theoretical framework* of consciousness & psychosomatics [5-7,9-11,89] they are proposed to be of deeper **quantum-gravitational origin** (*in space-time transcending highly-noninertial strong-gravity-equivalent* (according to Einstein's principle of equivalence!) **transitional states of consciousness** (*from high-dielectric bodily into low-dielectric out-of-body states!*), based on **space-time tunnels locally generated & quantum-gravitationally stabilized by exotic matter** (*quantum vacuum fluctuations in strongly curved space-time of the wormhole tunnels [124]*) **with anti-gravitational effects** (*really observed in transpersonal psychokinetic manifestations of vital energy / prana / qi [37,41,74,125]!*).

The **exotic aspect of space-time tunnels & vital energy** might be extended to **acupuncture channels** (*of peculiar vacuum-like $n = 1$ refraction index!*) **with outside inflow of vital energy / prana / qi** (*cf. also comment in [125]!*).

The *above multidisciplinary considerations* might imply that **joint research** on the crossroad of **psychosomatic integrative medicine** (*and related long standing open problems of acupuncture system & consciousness, including vital energy & transpersonal phenomena*) and **quantum informatics** (*and related open problems of quantum physics & general relativity, cf. [126]*) may become **fruitful** in spreading frontiers of the existing scientific paradigm.

[125] <http://www.youtube.com/watch?v=2JSk4T9IN3I>; Videorecord of extraordinary **psychokinetic abilities** demonstrated by **Serbian boy** (with healing inborn abilities too, which clearly testify in support of his strong vital energy), whose breast is sticking metallic, plastic or glass objects weighted up to several kilos (probably due to **anti-gravitational cancellation** of local gravity field **on boy's chakra points**, spontaneously supplied by **strong vital energy** through transpersonally opened energy channels, as in Qigong or Reiki).

[126] Our extended quantum-informational / quantum-gravitational theoretical framework of acupuncture system & consciousness, including vital energy & transpersonal phenomena, also **suggests a physical basis** for ad hoc **von Neumann's projection postulate at micro-quantum scale**, to explain quantum-mechanical wave function collapse (via local quantum-gravity-induced & exotically stabilised wormhole tunnels in strong-gravity-equivalent **highly-non-inertial quantum-measurement-like situations** [5,6,10,11,89]); the question of how it is possible that these highly-noninertial micro-particle processes with inevitable opening of miniature wormhole tunnels (**according to Einstein's principle of equivalence!**) were not taken into account within quantum mechanics that is yet extremely accurate theory(?!) – could be answered as **they possibly implicitly were(!?)** within von Neumann's projection postulate (with its physical origin on **deeper quantum-gravitational-level!?**).

On the other hand their **macroscopically accumulated exotic anti-gravitational imprint** might possibly be **observable on cosmological scale** (or have been already detected(?!) by recent advances in cosmological tests, which invite again **Einstein's cosmological constant & related hypothetical dark energy or quintessence** which permeates all of space & tends to accelerate expansion of the universe [127]).

QUANTUM-INFORMATIONAL BIOMEDICINE & QUANTUM INFORMATICS: RELATIONSHIPS & PERSPECTIVES

**QUANTUM ENTANGLEMENT, QUANTUM DECOHERENCE,
QUANTUM TELEPORTATION, QUANTUM CRYPTOGRAPHY, QUANTUM COMPUTING**
(PHYSICAL BASICS & APPLICATIONS IN COMPUTING & TELECOMMUNICATIONS;
SHARPENING BASICS OF QUANTUM MECHANICS:
UNIVERSALITY OF QUANTUM MECHANICS, BORDERS OF QUANTUM LIMIT,
SPATIO-TEMPORAL QUANTUM ENTANGLEMENT,
PHYSICAL NATURE OF QUANTUM COLLAPSE)

QUANTUM-HOLOGRAPHIC NEURAL NETWORKS
(NON-LOCAL NATURE OF ACUPUNCTURE SYSTEM & PSYCHOSOMATICS; NON-LOCAL
NATURE OF CONSCIOUSNESS & CREATIVITY AND SPIRITUALITY;
TRANSPERSONAL INTERACTIONS & SPATIO-TEMPORAL QUANTUM ENTANGLEMENT IN
BIOSYSTEMS WITH QUANTUM MEMORY:
QUANTUM BIOLOGY, QUANTUM PSYCHOLOGY,
HOLOGRAPHIC UNIVERSE)

QUANTUM-INFORMATIONAL BIOMEDICINE
(DIAGNOSTIC & THERAPEUTIC METHODS OF QUANTUM-INFORMATIONAL MEDICINE;
THREE FRONT LINES OF INTEGRATIVE PSYCHOSOMATIC MEDICINE:
COLLECTIVE CONSCIOUSNESS, INDIVIDUAL CONSCIOUSNESS & ACUPUNCTURE SYSTEM,
BODY)

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126. Our extended quantum-informational / quantum-gravitational theoretical framework of acupuncture system and consciousness, including vital energy and transpersonal phenomena, also suggests a physical basis for ad hoc von Neumann's projection postulate at the micro-quantum scale, to explain the quantum-mechanical wave function collapse (via local quantum-gravity-induced and exotically stabilised wormhole tunnels in strong-gravity-equivalent highly-non-inertial quantum-measurement-like situations [5,6,10,11,89]); the question of how it is possible that these highly-noninertial micro-particle processes with inevitable opening of miniature wormhole tunnels (according to Einstein's principle of equivalence!) were not taken into account within quantum mechanics that is yet extremely accurate theory(?) – could be answered as they possibly implicitly were(!?) within von Neumann's projection postulate (with its physical origin on the deeper quantum-gravitational-level!?). On the other hand their macroscopically accumulated exotic anti-gravitational imprint might possibly be observable on cosmological scale (or have been already detected(!?) by recent advances in the cosmological tests, which invite again the Einstein's cosmological constant and related concept of hypothetical dark energy or quintessence which permeates all of space and tends to accelerate the expansion of the universe [127]).
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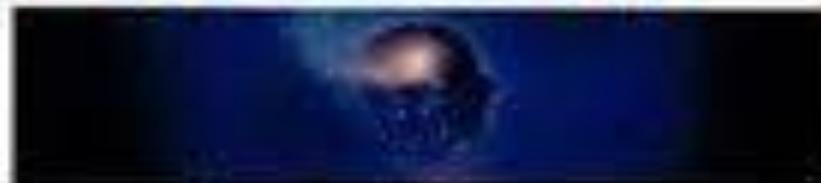
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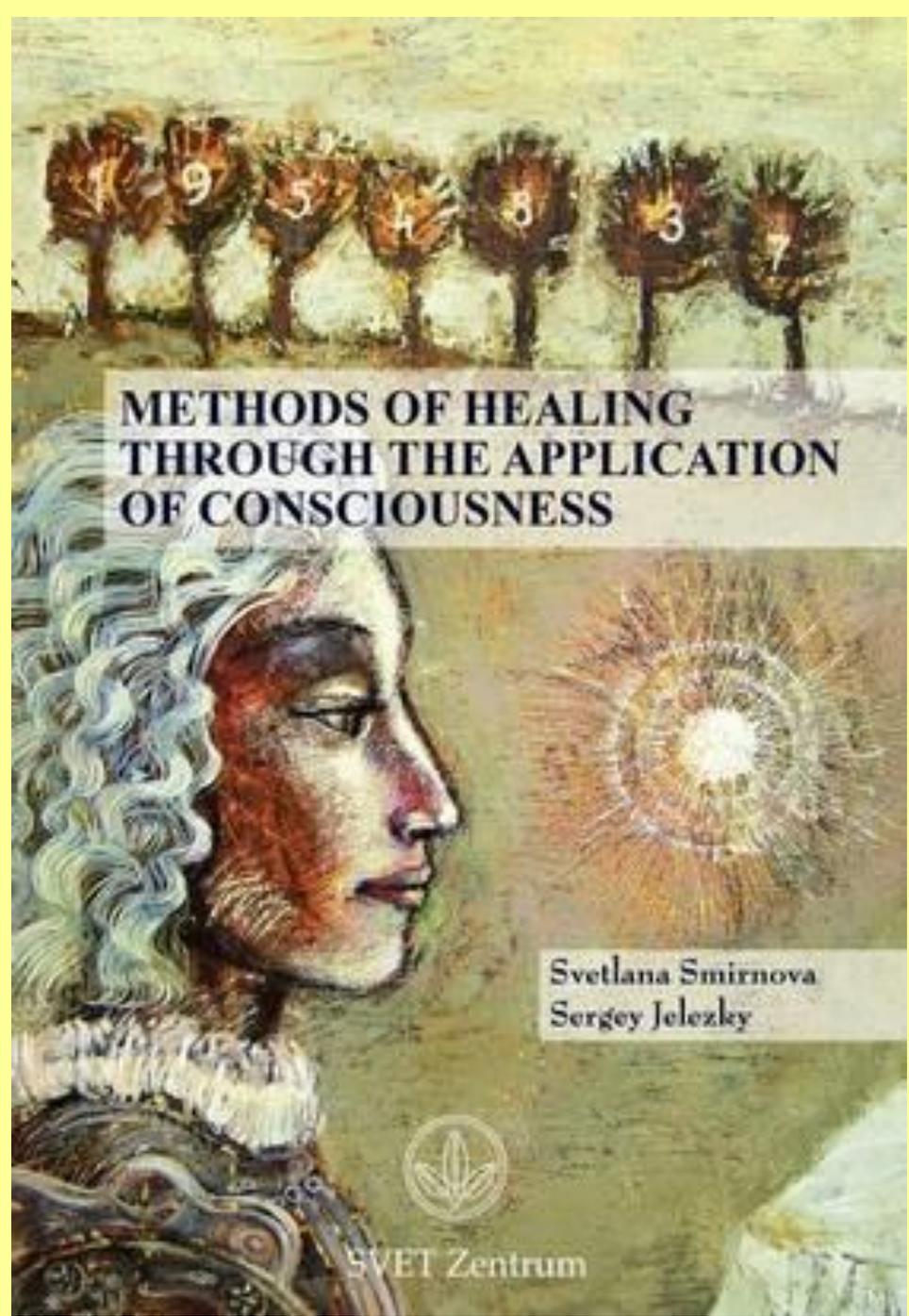


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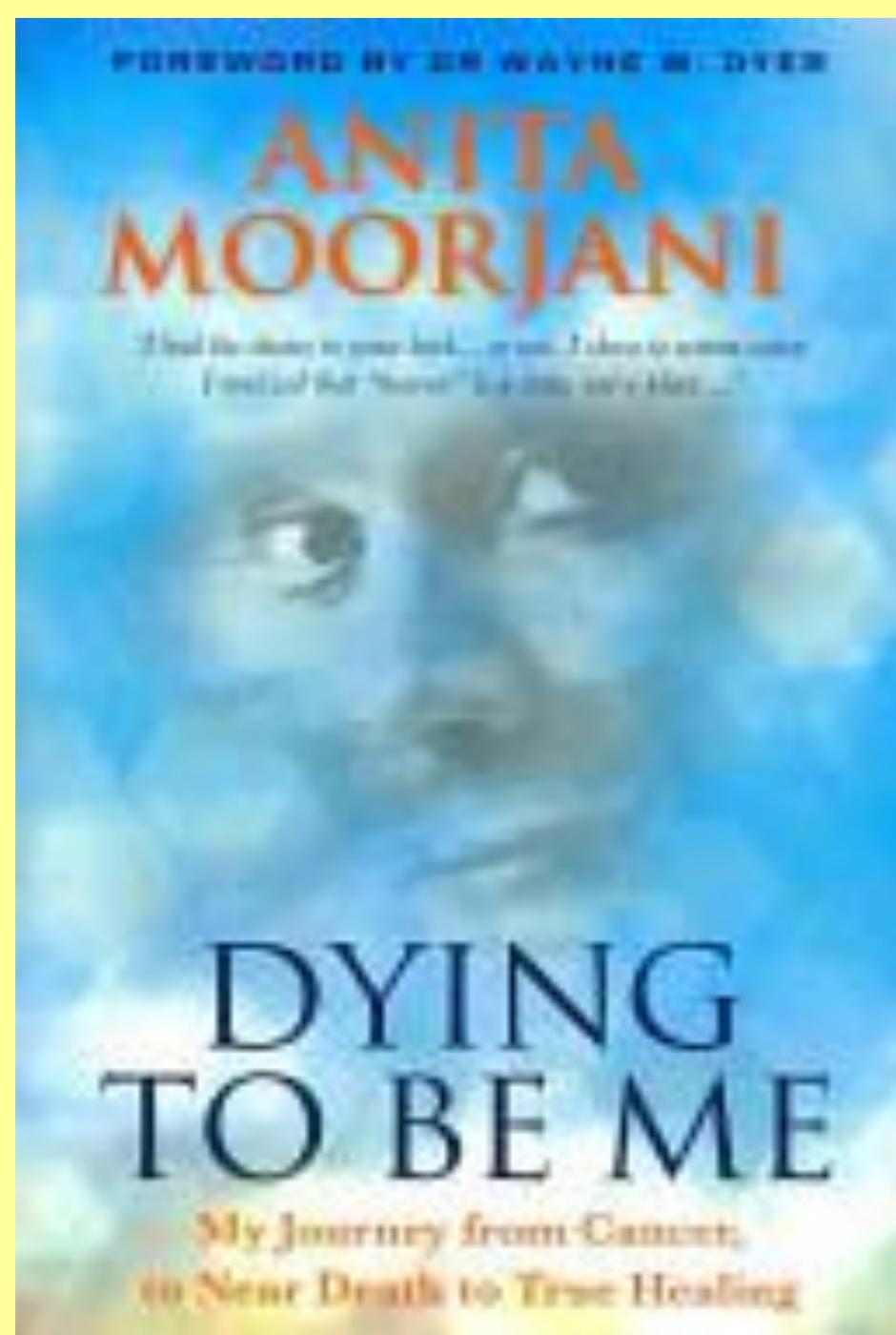
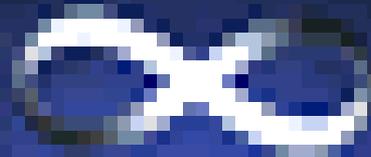
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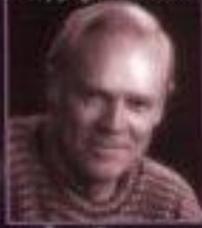
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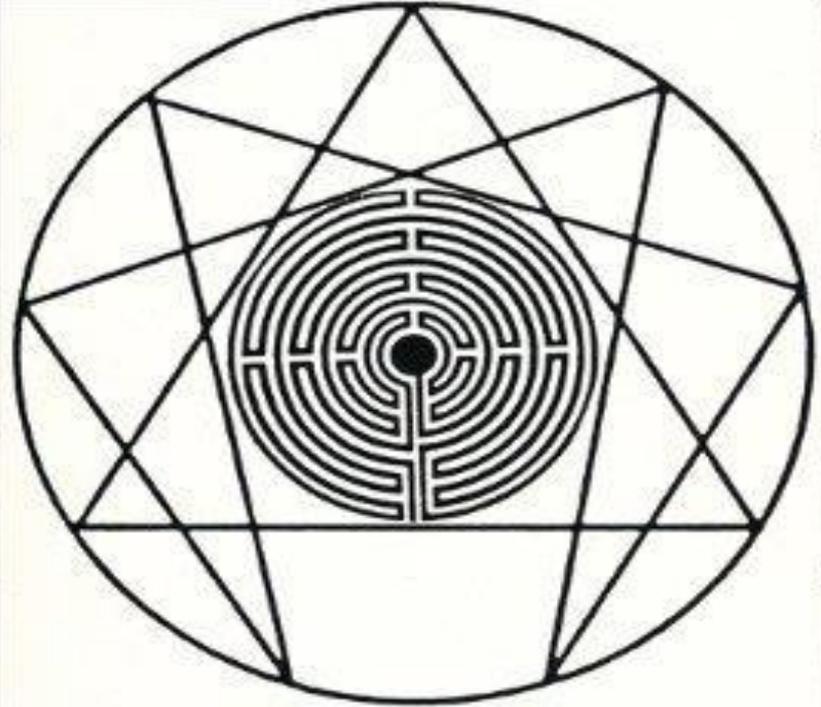
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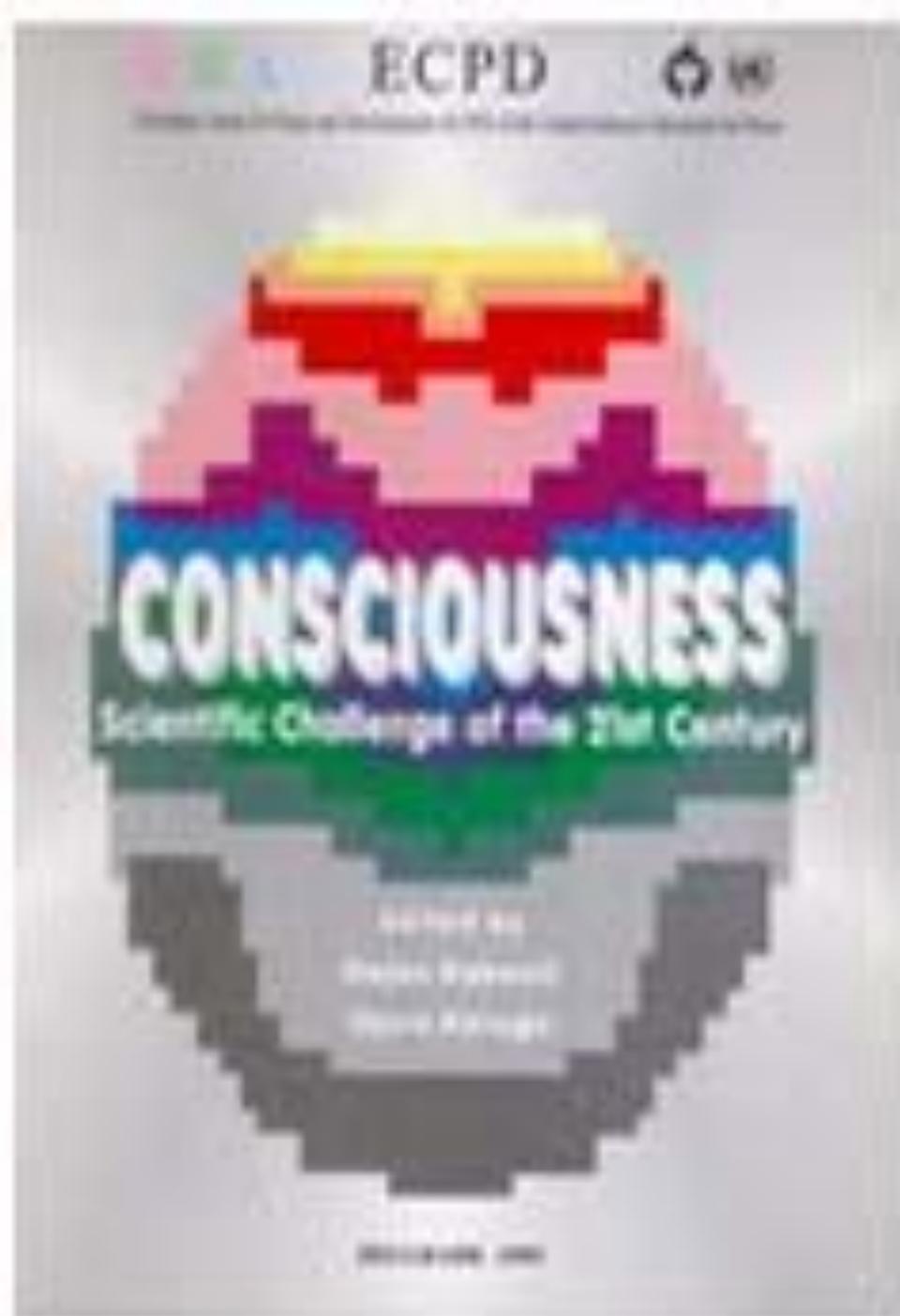
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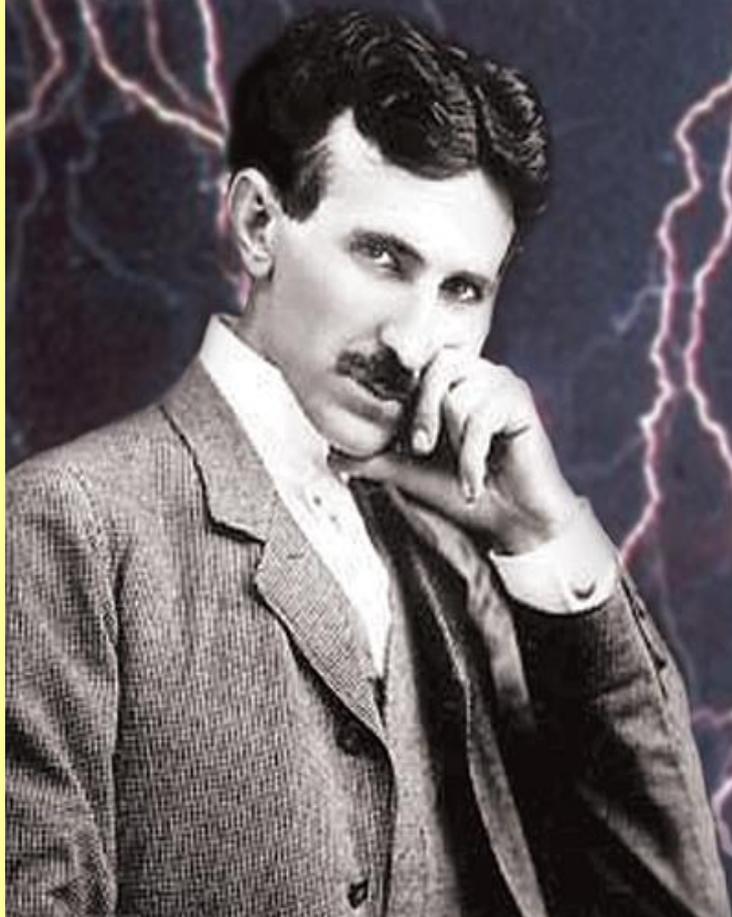
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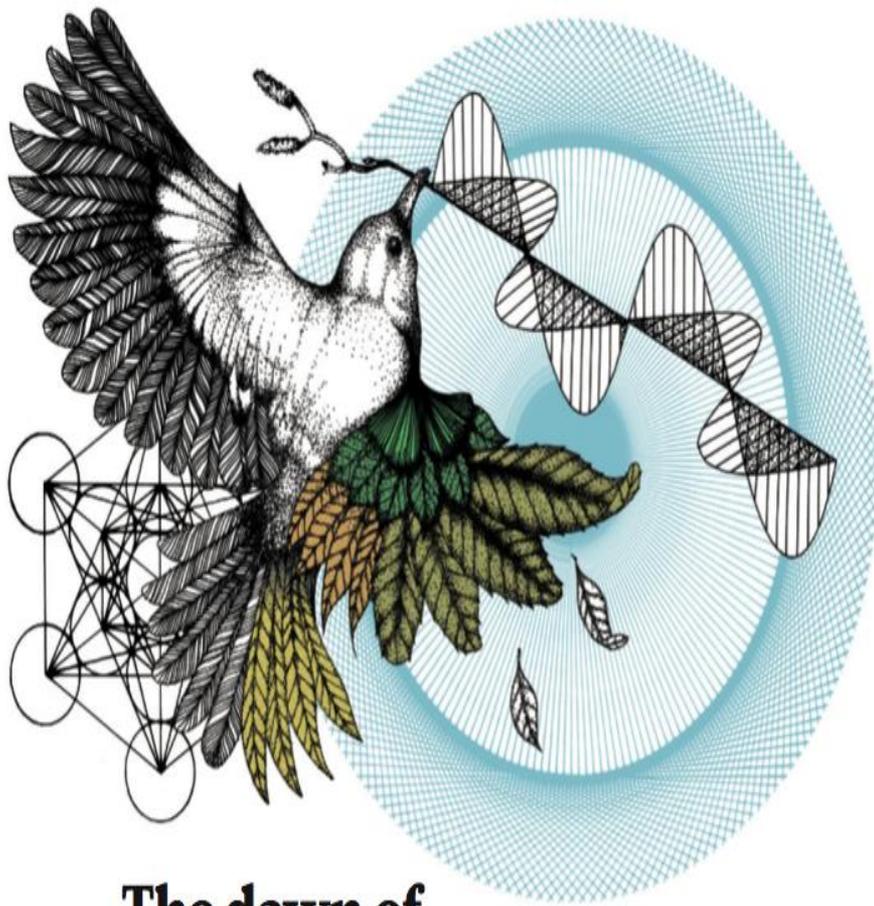
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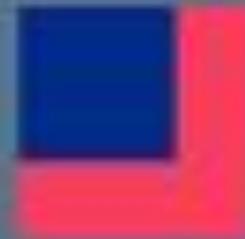
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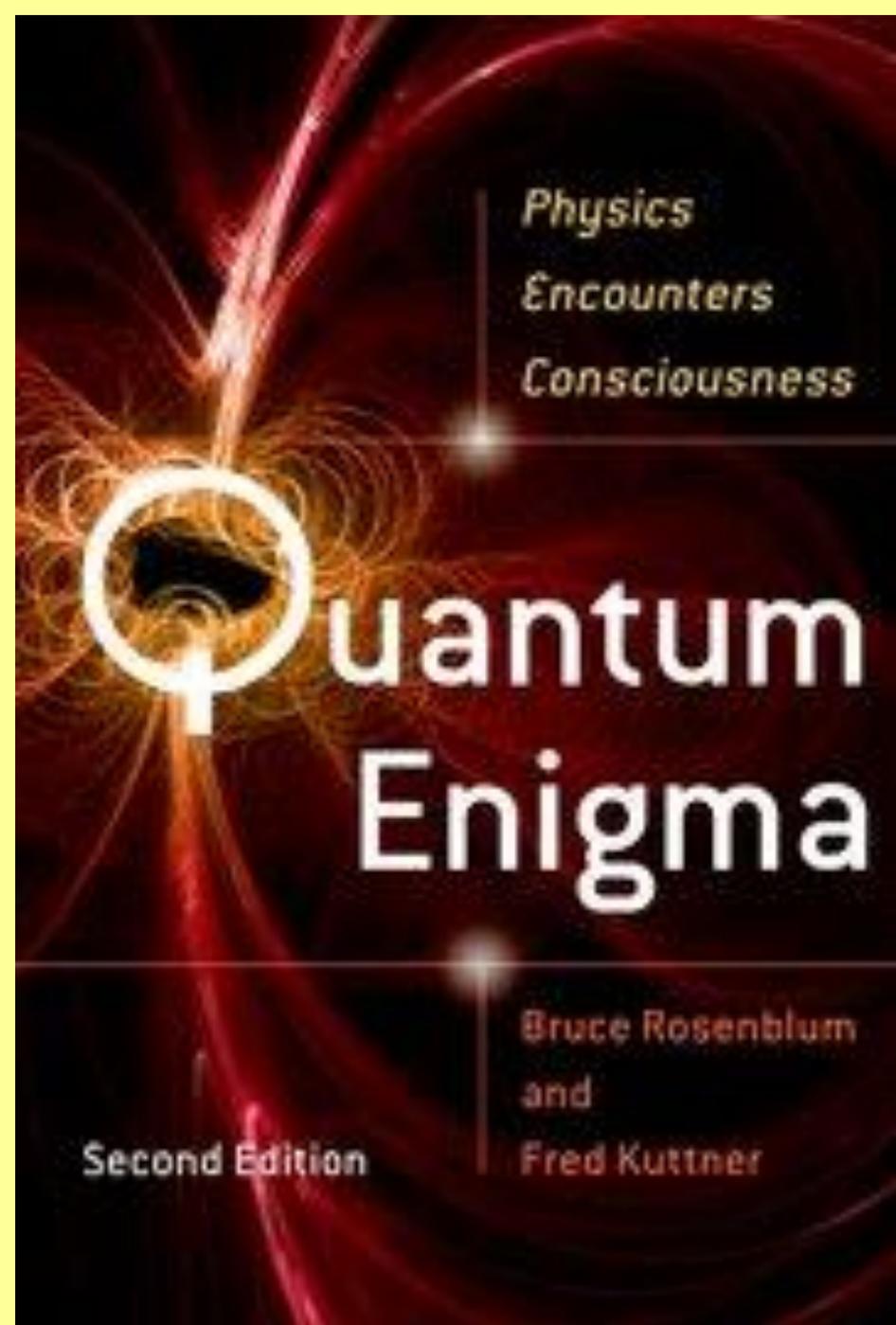
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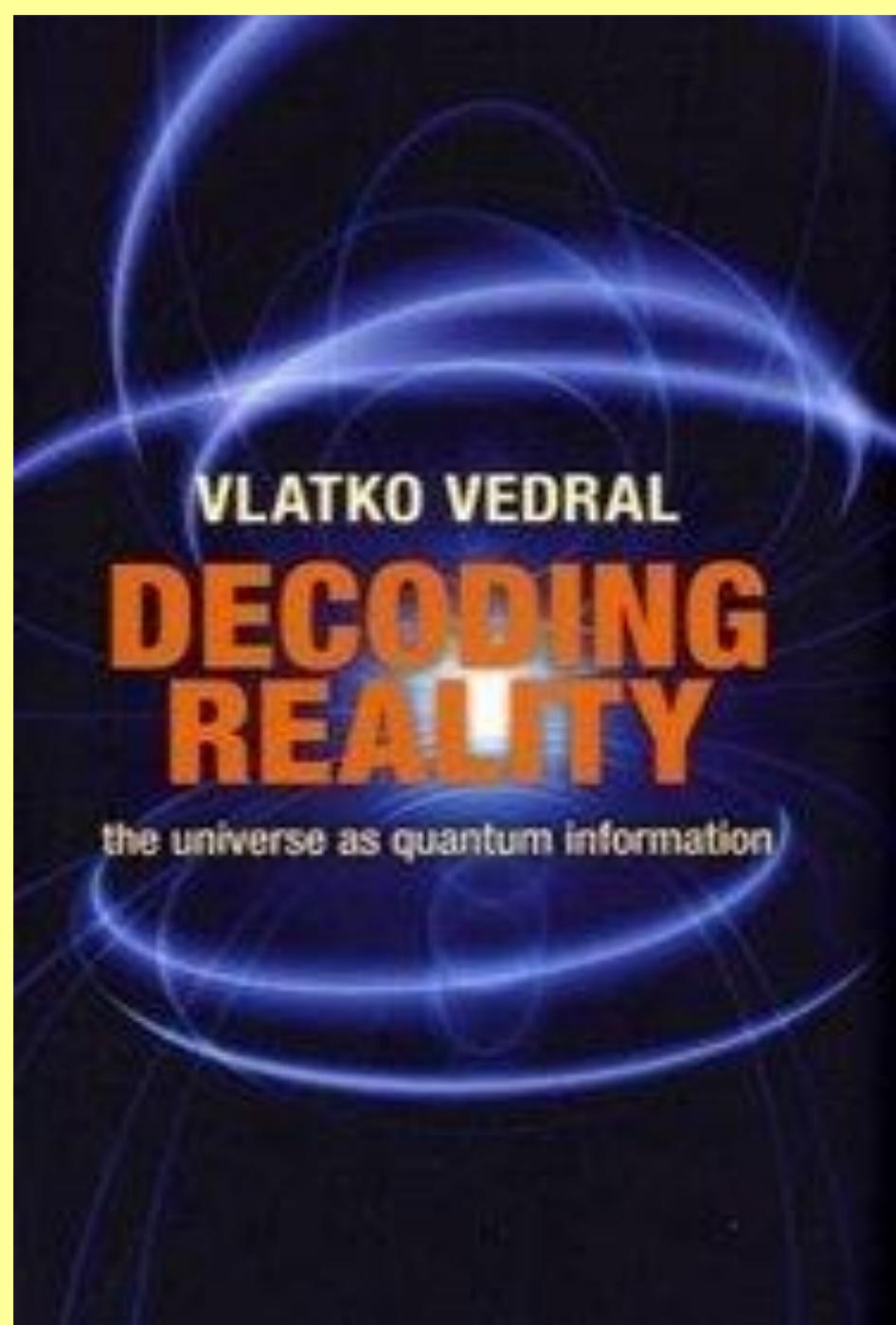


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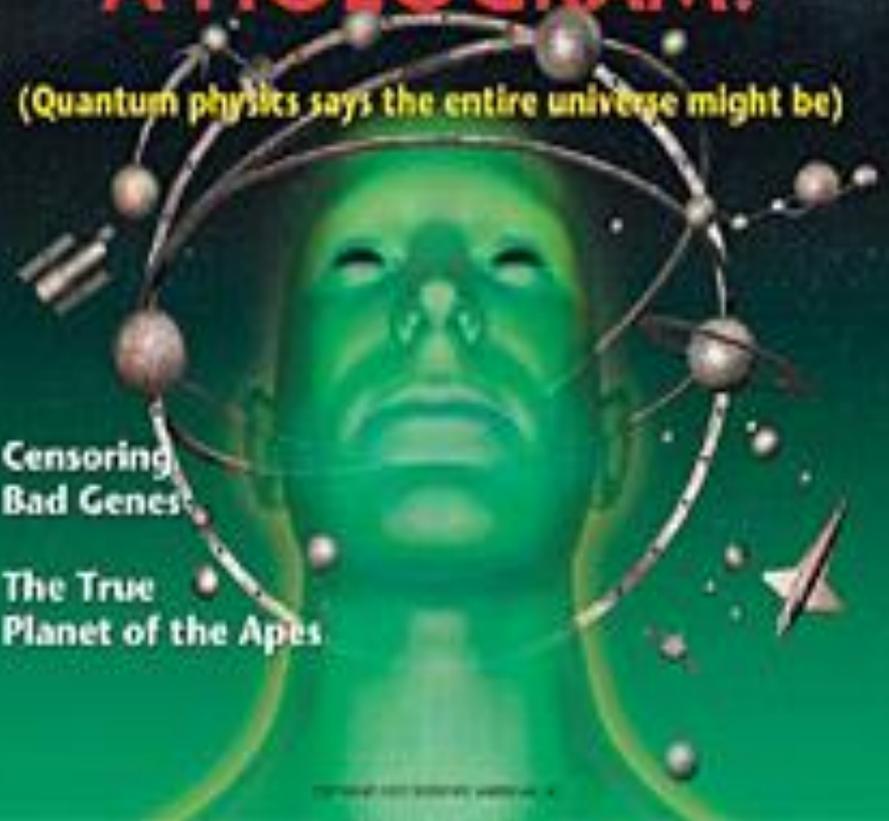
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