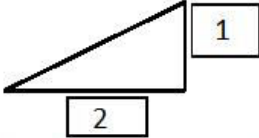


UNIVERSE – Perpetual Harmonic Oscillator

Abstract of Sankhya theory¹

Sankhya is one of the philosophical trends of ancient India based on the Vedas, whose age is estimated at about 33 000 years. It was written in Sanskrit. It includes two opposing concepts: materiality and spirituality, uniting science and religion. Sankhya is a unified field theory based on a **Perpetually, Harmonic, Oscillatory state (PHO)** forming the dynamic base for all manifestation. It is simple, logical and numerically consistent with all experimentally verified parameters. It is based on numerical axioms and does not violate the principle of causality. It is a non-dimensional and scale-invariant formulation, based on the principle of self-similarity which is universally applicable. Axiomatically derived values of stable states in Sankhya are quite analogous to its measured equivalents in modern physics - from all elementary particles parametrs to the radius of the Universe and its mass ...

Axiomatically, the rate of variation in cyclic time between any two identical interacting components has to be 1 to 2. Solving the cyclic period-difference or ratio by triangulation works out to x as the golden mean (golden section).



$$\frac{\sqrt{1+2^2}-1}{2} = x = 0.618034$$

Golden mean

Using a self-similar relationship in the repetition mode creates a relation π :

$$j := 0..100 \quad A_0 := \frac{x}{2}$$

$$A_{j+1} := \frac{\sqrt{1 - \sqrt{1 - (A_j)^2}} + (A_j)^2}{2}$$

$$n := 1 \quad A_n \cdot 2^n = 0.3128689301 \quad n := 5 \quad A_n \cdot 2^n = 0.3141542188$$

$$n := 10 \quad A_n \cdot 2^n = 0.3141592604 \quad n := 100 \quad A_n \cdot 2^n = 0.3141592654$$

π relation

A larger number of interactive components (sequentially) or relatively higher intensity of action (simultaneous) - as a single unit - will always strive to the value of natural logarithm: (e).

$$e = \left[\left(\frac{N}{N-1} \right)^{N-1} = \left(1 + \frac{1}{N-1} \right)^{N-1} \right] \approx 2.7182818285$$

Base of the natural logarithm

The ratio e/π represents **Thaamasic coherent state of simultaneity** where all interactions operate internally - as a single unit.

$$\pi = 3.1415926536 \quad RS = 1.0204081633$$

$$e = 2.7182818285 \quad \frac{\pi \cdot x \cdot 10}{e \cdot RS \cdot 7} \approx 1$$

$$x = 0.6180339887$$

x - basis of self-similarity i.e. fractality

π - circumference to diameter of a circle relation

e - base of the natural logarithm - exponential function whose increment is equal to its value

"Secret Of Sankhya: Acme Of Scientific Unification", By G. Srinivasan, <http://www.kapillavastu.com>

By its structure, **Energy Density Quantifying Model² (EDQM)**, fully supports the ancient principles of *Perfection, Harmony, and Coherence*.

The model shows three important facts:

1. "Man" is positioned in the point of the golden ratio, between ordinate and "black area" (depicted).
2. In the model the "growth and development line", marked with $M \sim R^2$ /mass equivalent to the square of its diameter (for the first quantization level)/ is the *evolution* and *involution* trajectory and in

¹ "Secret Of Sankhya: Acme Of Scientific Unification", By G. Srinivasan, transliterated from "The Sankhya Karika", by Ishwara Krishna, <http://www.kapillavastu.com>

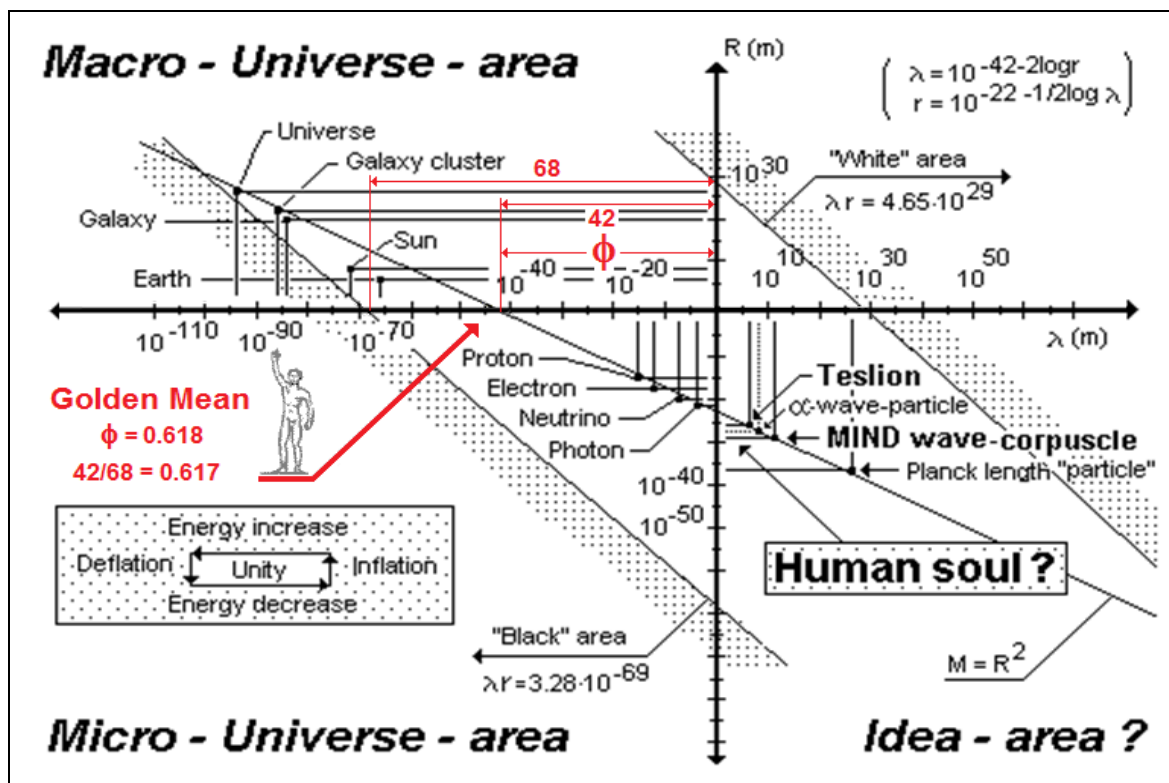
² EDQM, <http://users.beotel.net/~gmarjanovic/>

conceptual terms includes all what exist in Reality; line with its parts covers Macro, Micro and Hyper structure of the same Reality.

3. The evolution, growth and development of all material (particle & wave form) phenomena arising via emanation of spirit-form entities, and simultaneous but inverse process - their involution, decrease and decline in substantial forms but, simultaneously, their growth and development to higher and more higher levels of consciousness - is carried out by the Pythagorean principles of unison and harmony of fundamental mathematic constants intertwined in axiomatic logic that is governed by the principles of self-similarity and scale in-variance that remains eternally valid for all space-time-energy entities from "Absolute super awareness" ($k=+29$) to "Black hole state of Universe" ($k=-11$, [see picture "Matter and Spirit Unity", hereinafter]).

The line marked with $M \sim R^2$ is formed based of the *Eternal harmonic oscillations* principles and parameters - the very same that are applied by the "Highest Creator"³ in the creation of the World, and records about them are found in ancient manuscripts. These general cosmic laws, constants and their universal harmonious relations that ancient peoples used in their "Hyper-Technologies" have been perceived by Nikola Tesla also - and applied in his *Colorado Springs oscillators*!⁴

Simple mathematical analysis of EDQM diagram shows that Pythagorean principle of accordion and harmony of golden mean /ratio⁵, the number π ⁶, the number e ⁷, takes place in the *evolution* and *involution* trajectory line arrangement, i.e. that all manifested and unmanifested forms of substratum transformations follow the same cosmic, universally valid, laws - whether they are of material (particle and wave) or spiritual form.



In other words, the World is *Perfect creation* and is a finite set of apparent forms with holographic properties; these forms are the result of an *infinite* number of fractal entities` variations.

Aksiomatic princinpiples of Sankhya and EDQM postulates shows us a simple - but perfect - mechanism of the Nature, that is absolutely consistent in the endless variations of the basic motives.

³ Great Architect of the Universe.

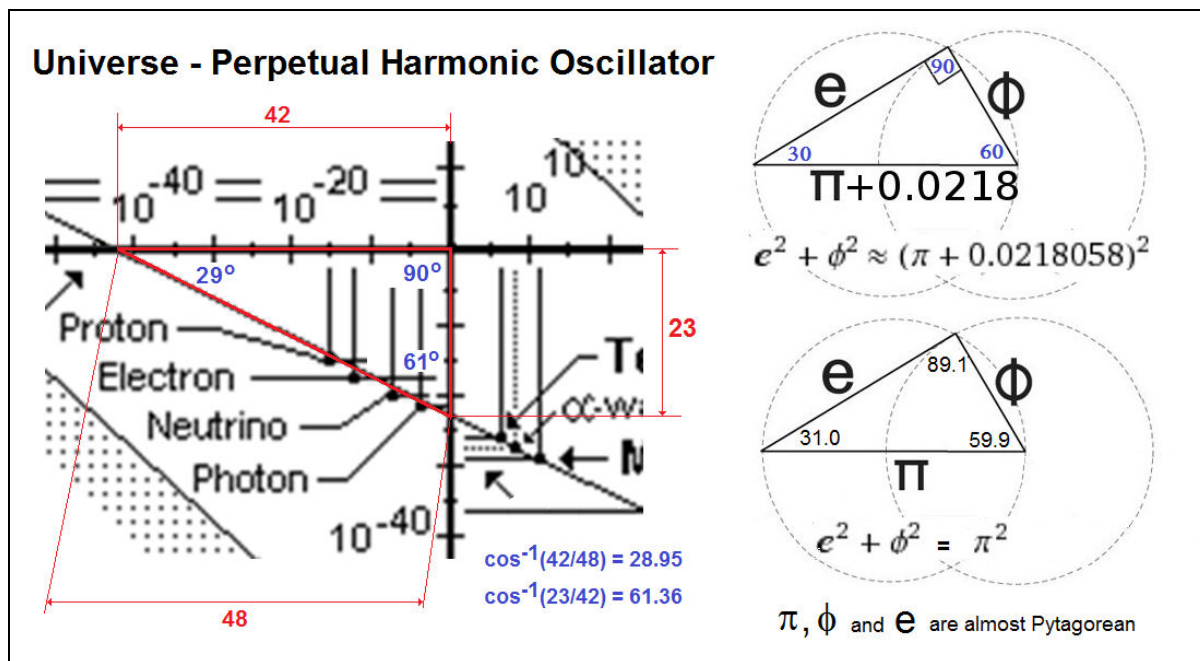
⁴ Nikola Tesla – Prometheus of the New Age, http://users.beotel.net/~gmarjanovic/NT_PrometeusNewAge.pdf

⁵ The basis of self-similarity (fractality).

⁶ The ratio of circumference to diameter of a circle.

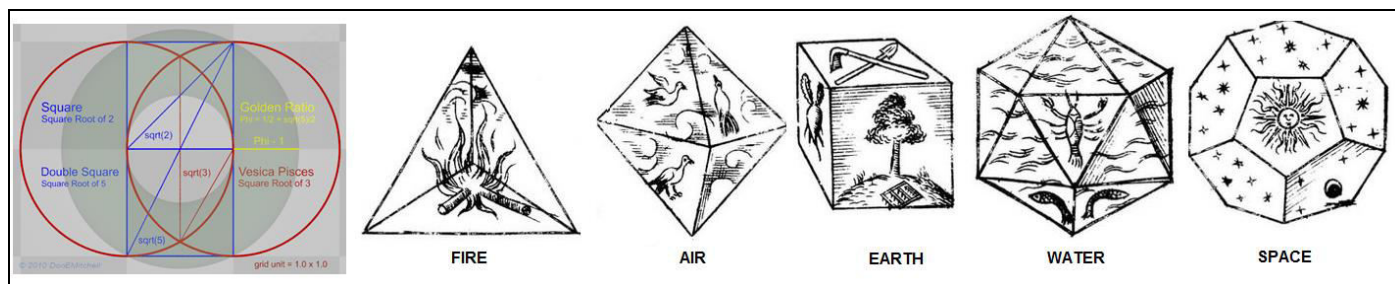
⁷ The base of the natural logarithm - exponential function whose increment is equal to its value.

Guided by the principles of self-similarity all what exist grows and develops in the eternal processes of self-sustainable harmonic vibration creations` that are a 3-dimensional standing-wave patterns of numerous mutually entangled vortices. Everything that exists in any manifested and/or unmanifested being form is constituted via coherent affirmatively-destructive combinations of volumetric substrate vibrations. All externalized entities are result of simultaneously – sequential transformations and combinations of volumetric substrate vibrations in the “breathing” regime⁸ – that is of the expansive and the compressive sequences rhythm combinations.



In other words, in more detail, the phenomenal World is the result of a series of simultaneous vibrations which vary and transform in the sequential wave packets; opposite is also valid: manifested and non-manifested phenomena occur by exchanging cyclical expansive/compressed processes. The processes on the one hand are led by interacting energy forms, and on the other produce three-dimensional standing waves or as we call them, a **complex scalar fields** as an energetic patterns of all actualized phenomenon’s (or “Stable objects” acc to EDQM).

"Universal-one", is generally presented with the circle and the point in it. By mapping itself into the phase-shifted oneself the "Vesica Pisces" arises through the process of longitudinal to spherical vibration transformations due to spatial asymmetry of stress transmigration. Thereby - expressing itself as a primordial interface and Archetype of all the subsequent creations – it bears triplets of “Universal cosmic constant”- harmonics, as a series of a Perfect Pythagorean triangle ensembles and – actually - a spherical standing wave nodal points.



The result is *"all that is"* – a fractal structure of holographic-type i.e. "Stable objects” of EDQ Model: ..., ”angels”, ..., “atoms”, ..., "galaxies”, ..., mutually connected, intertwined and entangled at all quantum, i.e. energy density, levels.

⁸ in the terminology of EDQM - successive series of the spatial compression and spatial expansion processes.

Simplicity as the ultimate achievement of perfection, is the basic feature of this Creation mechanism. Its efficiency is based on a holistic, axiomatic principles of a Unified field theory¹ as a set of eternal, harmonic, vibratory states, or a combination of eternal, harmonic vibrations.

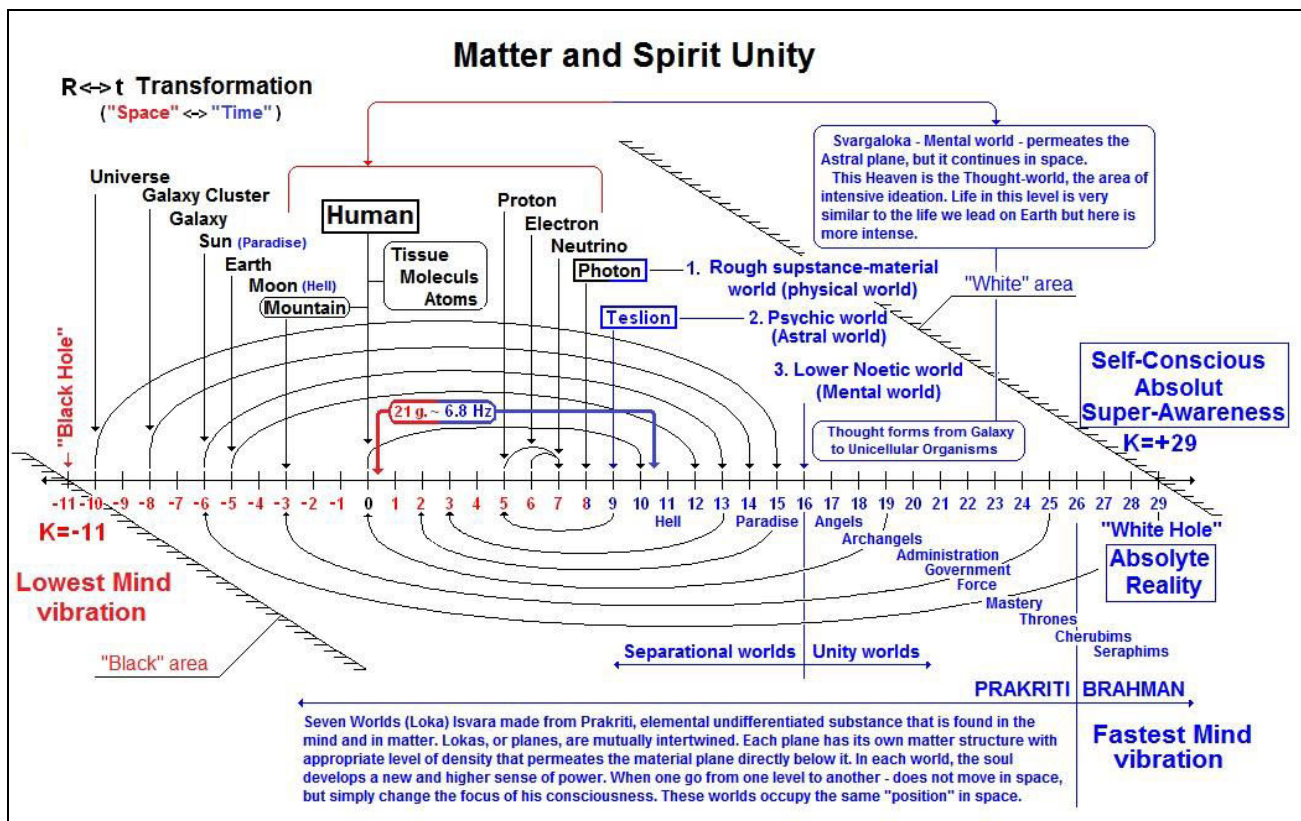
Regarding EDQM postulates², that principles are quite analogous to Energy Density Quantization processes of space-time-matter Unity.

From the EDQ Model aspect whole Reality can be conceived as a series of “Stable objects” - nested spheres of a different energy density or the quantization level.

In the substantial part of Reality that involves a mechanical energy density, a virtual mass energy density for the wave objects (De Broglie relation) and the same for the corresponding parameters for appropriate “levels of awareness” for the objects from the spiritual aspects of Reality. From diagram "Matter and Spirit Unity", given below, it is easy to see that the Reality is constituted of different "density" phenomena that actually are a forms and shapes of a vortex combinations with corresponding degree of complexity that is appropriate to their quantifying level.

The Reality is holographic. What we consider as the physical aspect of “here and now”, is a result of a simultaneity - from the perspective of time frame, and spatial overlap - from the perspective of spatial frame, of two diametrically opposed sightings of the one truth. Each material EDQM “Stable object” of arbitrary quantization order, is in the coherence (multidimensional resonance) with its own space-time duality that is its space-time-matter inversion (opposite energetic entity) and - at the same time - its unique, spiritual (non-material), source. The reverse is true also – but, because of the different “inward” and “ouward” energy propagation processes - the mapping is not symmetrical. And that could be a main motive of constant energy transformations, of eternal, spiral⁹ energy flows, of the “evolution” and “involution” ...

By EDQ Model explanations, that are quite analogous to fundamental Vedic interpretations of the world, the words of *Thoth Hermes Trismegistus*¹⁰ become more understandable: “*That which is below is like that which is above and that which is above is like that which is below to do the miracles of one only thing. ... And as all things have been and arose from one by the mediation of one: so all things have their birth from this one thing by adaptation.*”.



Belgrade, November 28, 2015

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⁹ which implies confinement and iteration in space & cyclicity and periodicity in time.

¹⁰ "Thrice greatest Hermes", the God of wisdom, learning and literature.