

Article

God Principle, Its Manifestation & Humanity (Part II)

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Abstract

This series of articles are further syntheses of “Divine Singularity, Its Manifestation & Humanity” published in Scientific God Journal 4(7). The intention of this synthesis is to stimulate the imagination & introspection in others about this mysterious process of creation. Apart from dwelling on the subject ‘how we got here, and where we are going’, some rational steps forward in our onward journey shown by some scientific mystics find a place here. I hope the above purpose has been fulfilled through these pages.

Part II of this five-part article contains: 5. Manifestation.

Keywords: Divine, God, singularity, absolute, universe, cosmic aberration, manifestation, Laws of Nature, laws of universe, evolution, Big Bang, big crunch.

5. Manifestation

Divinity

The divinity is the infinite process, within the infinite Universe of all Universes, in which creativity is forever expanding. Everything that exists is its modification in this infinite process. The almighty created us as we are creating Him by expanding forever our creativity of the Universe. This ever expanding creativity of the Universe is the divine glory.

We create God as God creates us. This concept is called “**autopoiesis.**”

Autopoiesis means “self-creation.” a hierarchical process similar to the one in which life evolves due to protein creating DNA & DNA creating protein - brain modifying the mind & the mind modifying the brain - etc.. It is also a **holonomic** process in which all parts of the whole entity also exist as whole entities. Therefore, the challenge before us is how human beings can achieve this higher order creativity. Collective consciousness only holds the key for attaining this possibility.

“The worship of a modern human being is through knowledge and creativity”.

Ironically many indulge in ‘**playing the self**’ for futile **ego** gratification.

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“The wholeness remains the wholeness after removal of its portion which is wholeness by itself.” Isavasya Upanishad.

This holonomic principle only permeates optimism in the evolution process

Divinity pervades as **Mysticism & Humanism** in complementary pair mode for nurturing evolution through innovations (new horizons) & co-creations respectively in the Universe. The former puts its faith on the vision, intuitions & beliefs of the rishis, visionaries etc. & the latter relies on the powers of the collective consciousness & its wisdom. The Vedantic philosophy of India dwells on the importance of maintaining **equanimity** between these two aspects for optimum evolution progress. The first one aims at **‘being the Self’** that means leading life of self-actualization earnestly striving to enrich the innate cosmic attributes for super human attainments indulging in dispassionate play of thoughts that open up **newer horizons**. The second one, **‘becoming the Self’**, aims at acquiring the knowledge of the creator & its creations to be in right relationship with the environment & fellow beings, thereby enriching unlimited powers of the collective consciousness for **stable order**.

This is the spiritual overview of the evolution process by the Upanishads.

In the context of its **manifestation** the Parabrahmam the primordial nucleus is viewed by Hindu scriptures as the cosmic seed, the omniscient complementary pair of **mass & consciousness**. Science views this as the **Quantum foam** in absolute charge parity.

In Hinduism, Pure Mass is represented by **Paramanu/Sakthi** pair - - **matter & energy** - & Pure Consciousness by **Paramatma/Shri** pair - - **self-consciousness & holistic consciousness** - both of them are **male/female** complementary pairs. Parabrahmam is essentially a cosmic **complementary pair of pairs** with **gender union** vitalities that nurture life in beings. In science it is the **quantum foam** engrained with absolute **charge neutrality**.

Quantum mechanics etc. reveal that matter has now, changed its name to energy, the energy to fields and the fields to the unified field (Consciousness) making it an eternal reality. John Hagelin

This invincible self-effulgent flux - nucleus - in the cosmic empty space field, desired **‘let me be many’**. This **cosmic desire - quantum fluctuation** according to science - -disturbed the **harmony** of compatibility in its complementary pairs, thus unfolding its pair elements namely **mass /consciousness - matter/energy - self/holistic consciousness – matter/antimatter etc.** These pair elements are the true **cosmic realities** as they are **eternal** in their nature. Spontaneous annihilation of these high intensive realities caused the **Big Bang**, radiating 1/4th of the head portion of the nucleus with evolution **vitality**, as its multifarious **aberrations** in **compatible complementary pair** modes in reverberations. The un-manifest nucleus - **black hole** - is meant to provide stability to the totality indicating the presence of **cosmic wisdom**.

According to science the quantum fluctuation disturbed the absolute charge neutrality of the quantum foam resulting in Big Bang. During the course of Big Bang reverberations all the dissipated matter/antimatter (active & passive traits) remained in absolute parity as in a mirror

image. The evolution vitality ensured “no charge parity violation” - static/dynamic stability - all its released aberrations in the complementary pairs mode at Big Bang.

This Big Bang is not a random explosion but an orderly event according to science - disintegration of the nucleus into many as its aberrations - & the evolution vitality keeps the aberrations as compatible complementary pairs - matter/antimatter - to sustain them with their ceaseless replication cycles during evolution.

*This vitality that sustains the complementary pair mode functioning has to progressively deplete till involution, this being a complementary version of evolution, to ultimately end in **big crunch**. As long as the evolution vitality lasts these aberrations have to exist as **mass/vitality** complementary pairs in an environment of gradually depleting vitality, antimatter, consciousness, energy etc. namely all the passive aspects of the active evolutionary forces .*

Because of this gradual vitality depletion these aberrations have to be in constant transformations during their existence to sustain their complementary pair stability as mass/vitality pairs. This makes the Universe appear as if in an illusion, where change is an eternal phenomenon. Because of this they also go through charge parity violation progressively from Big Bang to big crunch when matter/antimatter parity completely ceases to exist.

It means that this gradual depletion in the evolution vitality will have its own implications on various cosmological constants as the evolution progresses.

The remaining 3/4th of the nucleus exists as the un-manifest singularity, radiating dispassionate cosmic forces contributing to the stability of the totality evidencing the cosmic wisdom in creation. This pervading mass/vitality pairs in the evolution mode naturally have to culminate into the converging attraction towards the singularity - involution - **big crunch** - the complementary version of Big Bang. As long as this evolution vitality lasts they have to exist as complementary pairs, as aberrations in the Universe undergoing replications cycles - . **karmic** gratification cycles - -as representations of the nucleus to sustain the basic character of the nucleus, namely, its complementary similarity & stability. **Cosmic desire** is the main affinity force that keeps the compatibility of the complementary pairs during their existence & transformations. Ultimately when the vitality in all the complementary pairs comes to an end at involution, the mass & vitality elements unfold themselves from all the pairs, merge with their respective source of origin in cosmic attraction - big crunch - **involution** - i.e. all the masses with the black hole & antimatter (consciousness) with the white hole. This results in their imminent annihilation & the consequent release of energy causing the big **bounce**, the start of a new cycle without charge parity violations. This cycle goes on with its own momentum eternally in an overall orderly rhythm that evens out all the undesired randomness in the harmonics of the aberrations.

Nature enables all the energy vibrations of the Universe to pervade as the harmonics of the universal rhythm i.e. as the vibrations of the sensory perceptions of the observers, as those of acts of **observations** while they savour the karmic gratifications & also those of the nature's panorama being **observed**. That means all the entities understand & respond to all these energy vibrations attributing harmonious meanings, making them a symphony for common delight.

This is the glory of the **'intelligent design'** that evolved the Universe.

*The Big Bang is a onetime act of God & thereafter the evolution process goes on in its own momentum, sustaining the Universe with its **collective consciousness**.*

*A mass/vitality complementary pair of an entity as in a **DNA** double helix replicates to sustain its own stability. The frequency of vibration of the pair depends on the mode disintegration of its mass at Big Bang. Since the vitality i.e. its amplitude of vibration depletes gradually from evolution to involution, the pair has to be in constant transformations to sustain its compatibility & stability. Devoid of vitality i.e. when the evolution comes to a standstill, the mass/vitality complementary pairs cease to exist. Also devoid of desire, the mass /vitality complementary pairs cease to be in union, even during the evolution cycle when vitality prevails in the pair. In both these cases the pairing elements of the complementary pairs i.e. mass & vitality merge with their source of origin in cosmic attraction.*

A complementary pair tends to become invincible when its elements exist in absolute compatibility, i.e., in **harmony - super conductor**. It also becomes equally invincible when the orientations of its pairing elements are in total **coherence - laser** - . These divine attributes empower the creations with **static & dynamic** capabilities.

A complementary pair is one in which the active traits mate spontaneously with their corresponding passive ones that assures its stability while enhancing its vitality. These holistic passive forces are available in nature spontaneously to all the entities even at speeds beyond that of light. This implies that the symmetrical nature the forms & shapes of all the emanated entities about their vitality axes, are maintained ceaselessly. Collectively they represent the supra human form. *This complementary phenomenon sustains the 'many' aspects of the cosmic desire in harmony through transformations by, contributing to their energy & their completion with compatibility in the new pairs. The evolution intelligence progresses optimally when more & more complementary pairs function in compatible unions.*

*We perceive matter, whereas, its complementary part, antimatter is un-manifest. Hence all its related aspects such as vitality /consciousness/energy/ desire etc. are considered synonymous with antimatter. **This knowledge helps one to understand nature.***

***Desire - "thought - action - gratification"** cycle culminating in either happiness or unhappiness - **quantum fluctuation in the quantum foam** according to science - is the fundamental force that initiates the transformations in matter by unfolding the elements of the complementary pairs & releasing the energy out their annihilation. So without desire there are no transformations & the evolution remains standstill.*

*Desire also completes the transformations by ensuring the compatibility in the new complementary pair elements. Devoid of desire the released pair elements will get attracted to their source of origin even during the evolution cycle when vitality is present - **liberation of soul**. **In spiritual terms, the beings exist as long as the cosmic desire content lasts in them. Hindu philosophy considers the possibility of one attaining liberation even during the evolution cycle, by totally abstaining from desire. 'Desire' creates the energy for sustaining all the actions of the aberrations while keeping them as 'compatible' complementary pairs.***

All the entities that emanated out of this nucleus at the instant of Big Bang constitute the Universe, from micro to macro level, from subtle to gross levels etc. that means the totality of the manifest creation. The Universe is made up of diverse complementary pairs & traits & hence stays stable. Unlike the multi-vision nucleus that radiates all-pervading vitalities, the released entities dissipate their karmic energy in only their salient orientations. Hence they are not as versatile as the nucleus.

Duality traits in a person contribute to the spontaneous enhancement of his power & stability. We owe this empowerment to the source which itself is an embodiment of duality in all its vitalities.

In the Universe any matter or its action traits exists only in complementary pair mode depicting the basic trait of the cosmic nucleus, thus sustaining stability. Nothing exists as an independent entity. This basic understanding reveals the secrets of the Universe. Science also has proved that even a micro particle on probing shows up as complementary pairs of particles. Svetasvatara Upanishad

These are some of the primordial complementary pairs.

- Cosmic nucleus - omniscient mass(vision)/omniscient consciousness
- Cosmic matter - omnipotent mass/omnipresent vitality.
- Pure consciousness - self-consciousness/holistic consciousness.
- Paramatma - pure matter/pure consciousness
- Paramanu - pure matter/vital energy
- Divine being - cosmic matter/cosmic gender union vitality
- Cosmic mass - black hole/white hole.
- Cosmic cycle - Big Bang/big crunch.
- Universe - matter/antimatter, matter/consciousness, matter/vitality.
- Karmic Being - soul/Atma double helix.
- Living Being - body/soul double helix.
- DNA - protein/program double helix
- Mass - matter/consciousness.
- Being - mass/vitality (*complementary pair of pairs*).

(A being is a complementary pair of pairs where a sentient pair uses the non-sentient pair as a medium to savour the gratifications)

The urge of the cosmic desire, the desire for giving ‘self-expression’ as ‘many’ of the nucleus, *i.e.*, to evolve, explore & savor new horizons, acting as a catalyst triggered the primordial matter/antimatter annihilation causing the disintegration of the head portion of the of the nucleus - Big Bang, *i.e.*, disintegration of 1/4th of the totality into multifarious complementary pairs *i.e.* – mass/vitality - mass/energy – mass/consciousness pairs *etc.* as **Atma**. During the evolution progress these dissipated **aberrations** of the cosmic seed engrained with **karmic imprints** grow into the tree of the Universe to carry out karmic energy dissipations in growth /decay cycles in various orientations & vibration rhythms, contributing to the ‘many’ aspect of the multi vision nucleus. During their growth they are, empowered with varying vitalities according to their

patterns of disintegration. The Atmas with karmic attributes that are closest to those of the divine are **karmic beings - souls**.

Unlike the complementary pair of the divinity that dwelled in dispassionate eternal harmony with only subtle differences within their complementary traits, the complementary pairs of the souls are engrained even with gross differences within their traits through which they carry out their karmic actions. During the evolution course the innate imprints of some souls suffer mutation - get tainted with selfish ego - desire to play god. This urges them to be in orientations that even run counter to the nature's holistic consciousness. That means, their active trait vibrations can become negatively oriented to become counter-creative. The power of ego thus can serve the self-only in a transient & futile manner. It can never be a match to the invincible consciousness of the absolute. The vision/vitality pair of the absolute empowers the vibration rhythm & orientation of all the entities only when they do not nurture **ego**.

The cosmic desire triggered the initial 'matter / antimatter annihilation - Big Bang - & disintegrated the pure mass of the cosmic nucleus into coarse, uniform and crumbled patterns classified as varna - shades & forms - along with their corresponding guna - traits & tendencies - , establishing the 'many' aspects of cosmic intent. The cosmic radiations - the coherent forces of nucleus - - pervade the Universe as the universal rhythm that keeps all the planets in orderly motion & orbits. This rhythm when passing through all the aberrations end up as its various harmonics according to their patterns of disintegration. These harmonics replicate eternally to perpetuate the 'many' aspects of the cosmic desire. By this way the intended functioning of diversity in the totality of the Universe, is preserved for sustaining harmony.

But however the disintegrated coherence of the space within the masses of various entities can be restored back to that of the nucleus it self-by self-referral/ self-healing transcendental pursuits, meditation, yoga etc. that refine the mind mass & body mass respectively., when they shed selfish passion & come under the spell of the cosmic radiations. The disturbances to the coherence in the masses of the aberrations by the Big Bang may give room to some entities to nurture ego - selfish desire to play god - by orienting their self-consciousness away from the holistic consciousness of nature for seeking selfish gratifications. These are short lived & futile. The evolution intelligence is all about identifying the proper ways & means towards attaining the requisite coherence & orientations in the energy vibrations through self-realization.

The desire biased universal mass, namely $1/4^{\text{th}}$ of the nucleus, is stabilized by its own dispassionate passive vitality. The un-manifest $3/4^{\text{th}}$ mass of the nucleus (black hole) yet remains stable and coherent. While it's active component radiates total dispassion, its passive version, remains with limitless passionate forces. Thus the totality of the passive forces, both dispassionate & passionate, is holistic & is instantly available for the stability of the complementary pairs of the aberrations,

The fertilized cosmic seed formed out the cosmic desire union of paramanu - bindu - omnipotent mass - & Parasakthi - bija - omnipresent vitality - this divine complementary male & female union of the omniscient, omnipotent & omnipresent, is the micro manifestation of the supra life form in the cosmos that grows as the cosmic tree in the Universe.

Svetasvatara upanishad - Chandogya Upanishad

Unlike the all potent cosmic seed, the fertilized reproduction cell of the complementary male / female union in all the species of the Universe, has only limited potentials to propagate their growth. These reproduction cells only act as the reservoir of passive holistic consciousness in the transmigration process in which the active consciousness of compatible departing souls of beings find its mating partner in the holistic consciousness to become new beings, thereby contributing to the evolution intelligence & growth of all the beings. Hence this gender union has a spiritual relevance inasmuch as it becomes a source for the holistic consciousness from where the active consciousness of the departing souls finds their complementary counterparts. Lower order species propagate through the cosmic gender union vitality of nature by replication & reproduction.

*Both the manifest **Soul** of a being (self-consciousness) & **Atma** (holistic consciousness) of the divine exist in a complementary pair mode. The temples of India where one goes for the spiritual union with the divine are considered as the abodes of Paramatma, the supreme Atma, the passive aspect of evolution energy synonymous with the holistic consciousness. The sculptures that abound in these temples depicting this complementary male/female gender union phenomenon, signify its spiritual relevance to the growth of the human species.*

In the manifestation process, a portion namely 1/4th of this cosmic nucleus emerged as the **Universe** - - as a complementary pair of **purusha (nucleus)** supra male aspects & **prakriti (Universe)** supra female aspects, as a **gender union** vitality nurturing the growth of all its many aberrations –offspring - where each entity is infused with innate identity imprints & immanent consciousness. During their growth as the cosmic tree they become souls - - astral masses with autonomous self-consciousness - -empowered to make use of compatible non-sentient aberrations as their medium to become a beings - - karmic representations of the absolute - - & savor the desire gratifications, each with a potential to even enliven the attributes of the nucleus thereby showcasing a self-sustaining universal panorama with infinite range of possibilities.

The rest 3/4th, the dormant unmanifest nucleus (singularity) however radiates active dispassionate cosmic forces that stabilize the totality.

Purusha suktham - Rig Veda

Indian world view holds the cosmos to be holonomic and symmetric, but within that symmetry the existence of two complimentary principles as the fundamental constituents of the cosmic phenomena, is recognised The Purusha /Prakriti and Shiva/ Shakti pairs of Indian thought also represent the various aspects of active and passive elements namely,, **matter / vitality, gross / subtle, and right (active) / left (passive) traits** etc. The right falls to the right of our orientation direction - east - the direction from which the planet earth receives nature's energy. ***It is Dakshina: saral (straightforward), truthful, impartial, rational compliant, active etc. It is also the South. The Left is Vama: (curved), tentative, emotional, intuitive, impulsive, passive etc, but yet lovely, beautiful, and charming.***

The differentiation of the right & the left has been a favorite subject of representation in Indian Art. The representations which occur in paintings, ritual diagrams, sculptures, icons, and in

architecture are illustrations which explain the different qualities and attributes of these two dual components of one composite reality. They are also stylized and symbolic information diagrams presenting abstract philosophical concepts in concrete, visual form. The distinction between the right and the left is scrupulously maintained in Indian culture. In daily life, the use of left or right limbs is prescribed for various routines.

Divine contingencies

The wholeness remains the whole after removal of its portion which it self-is whole. From the micro to the macro level the cosmos is **holonomic** - wholeness constituted by parts of wholeness - following the complementary symmetry laws.

Each entity is an embodiment of wholeness & stays as complementary pair within its own space envelope.

The basic evolution norms are:

1. All entities have to exist as complementary mass/vitality pairs (desire affinity pairs with energy) without ego, to be in evolution mode.
2. All entities have to savour the nature's gratifications as belonging to parts of one source.
3. All entities have to replicate their innate imprints through self-referral, self-healing vibrations without ego disorientations to sustain the primordial composition of the Universe for stability & harmony.

The core matter in all the creations is essentially a part of that invincible nucleus from where they emanated. In essence every complementary pair is 'desire propelled'. These pairs existing in total 'harmony' & 'coherence' can by themselves attain static & dynamic invincibility e.g. Super conductor & Laser. As parts of the invincible nucleus they can attain salvation remaining in their natural state. In addition they are also empowered to even attain such abilities to influence the evolution course by themselves. Keeping proper mind & body mass control in tune with nature, they can become optimally productive in co-creation..

The cosmic nucleus, the primordial complementary pair, projected during the Big Bang only a quarter of its mass out from its head - White Hole - as its aberrations, i.e., as the manifest Universe, keeping the 3/4th un-manifest base - singularity Black Hole of Milky Way - to give stability to the totality implying the presence of cosmic intelligence. .

Primal complementary pair of pairs

Without Him (vision), I exist not; without Me (vitality), He is un manifest. When We project & manifest, both of Us enter into It. Mother (Aurobindo ashram)

Manifestation of the Universe became a reality, at Big Bang with the sound & light cosmic radiations keeping the major entities in eternal orbital motions under the control of its harmonics, the universal rhythm OM reverberations that keep all the minor entities in

vibrations as its own harmonics, to perpetuate their karmic functions as many variations of supra form, each one entity capable of even acquiring the vitality of the totality on its own.

Svetasvatara Upanishad

Nada Brahmam (static nucleus) - Fertilized union the bindu - potency & bija - vitality - into cosmic seed - holistic vitality with nada (complementary mode affinity vibrations) - Primordial genotype seed - radiating OM reverberations -

Sabdha Brahmam (dynamic nucleus) - Primordial energy release - Big Bang from the seed potency with a universal rhythm as its various aberrations for undertaking their karmic cycles as attributes of the seed phenotype tree i.e. the Universe.

Cosmic energy transfer is the transfer of primordial desire energy to the aberrations for undertaking karmic dissipations (desire- action- replication) in growth /decay cycles - till desire exhaustion or the end of the cycle.

The evolution is all about the panoramic exposure of various complementary traits of the micro invincible source in multifarious macro dimensions in eternal growth/decay cycles

Genotype cosmic seed. It is the non-contingent source; engrained with subtle complementary imprints of invincible supra life form that grows up as the attributes of the aberrations in the Universe.

Phenotype cosmic tree - It is the tree of the Universe where the aberrations flourish in growth/decay cycles as 'many' - as harmonics of the universal rhythm reflecting growth of the seed's subtle attributes as complementary pairs of gross duality traits.

The primordial complementary pair of vision (aspects of self-actualization) & vitality (aspects of pervading desire), encompass various evolution traits of all its aberrations functioning with their autonomous self-referral rhythms. Their orientations are based on their cosmic imprints. The Universal rhythm ensures their stability, i.e., as & when the aberrations, either under their autonomous self-will or due to their ego disorientations, stray away, the coherence of the rhythm brings them back to the main stream. Because of the autonomous nature with which all beings wield their influence amongst one another, the events that occur in the Universe are of random & unpredictable nature. Hence it becomes a contingent - cause & effect environment. We are in the Universe where the cause/effect ratio is from 0 to 1. If it is 0 our vitality is nil & in the cosmic world it is 1. Our collective effort should aim to bring that ratio close to 1 in the Universe, making it a place of possibilities rather than probabilities to infuse more confidence in our own efforts.

Since the radiations of the universal rhythm are coherent & non contingent, science is able to measure the forces of nature with accuracy, whereas it finds difficulty in predicting with accuracy the autonomous energy vibrations dissipated by individual aberrations. However it is now possible for science to predict their trends owing to the coherence of the universal rhythm that controls them.

Hence science declares that the Universe is an environment of probabilities with statistics serving as a major tool for prediction. On the other hand the Upanishads reveal to us various human possibilities at our disposal.

Point to Ponder

The one time job of the ‘**cosmic desire**’ was to trigger the Big Bang as a catalyst in the annihilation of matter/antimatter. This desire is also infused in all aspects of transformations in the evolution process for sustaining the complementary pair phenomenon & stability.

In absolute harmony the active & passive aspects of the complementary pairs balance each other. In such an environment there can be no activity at all. If all the karmic energy dissipations have to take place as intended by cosmic desire, we have to accept & treat all the nominal undulations caused by these dissipations in the Universe as a natural phenomenon. Moreover ego vibrations of the autonomous beings with negative evolution traits can even become the cause for major environmental anomalies. Nature however evens out all these undulations by the coherence of the universal rhythm. One has to realize that ego any way is part of nature contributing to the enlargement of diversity in the panorama.

Cosmic mind is the mind that encompasses the set of all thoughts and perceptions which the entities are encased in. When an individual entity’s mind is subtle, clarity is achieved & this enables it to be in total awareness or else one is in illusion (Maya). Subtle mind enhances awareness.

Just as life has an effect on behavior on matter, so mind has its effect on life and the laws which determine the behavior of life.

Nature’s double helixes

Non-sentient mass - micro mass of the cosmic seed - It is a double helix of **matter/antimatter, matter/-holistic consciousness**.

sentient mass - astral mass – Non-sentient mass that acquires the evolution intelligence with **karmic imprints**, during its growth as the tree of the Universe - **soul**. This mass is empowered to support life in a compatible non-sentient mass (medium) & savour karmic gratifications.

cosmic being - It is a double helix of **Soul** (active self-consciousness) / **Atman** (passive holistic consciousness).

karmic being - It is a double helix of **body mass/soul**.

A being is a complementary pair of pairs. During the evolution - growth of the cosmic seed into the universal tree - more & more complementary pairs combine together & share their intelligence in compatibility to become larger composite pairs that grow & decay as the vitality depletes. The evolution ends in involution when the vitality ceases to exist. This cycle carries on eternally.

Two birds analogy: Two inseparable birds ‘soul & Atman’ are sitting on the same tree. While one savours the fruits (pleasures& pains) the other silently looks on.

Munduka Upanishad

The bulges in the double helixes of beings are prominent when the active traits i.e. active self-consciousness of the souls are gross & they bulges narrow down as these traits become more & more subtle i.e. when the active traits attain the nature of the divine i.e. in proper orientation with the holistic consciousness - Atma. The Atma remains a passive witness even though it is invincible, while the soul - jeevAtma - experiences the pleasures & pains according to its karmic imprints.

*Among the manifest entities one kind does not exist in the other”. **Each double helix is unique in its own way.** “Individually every entity as a representation of the nucleus, is a complementary pair of its own active self-consciousness & the nature’s passive holistic consciousness, the latter empowering & stabilizing the former in its action completion efforts. The holistic consciousness, being passive in its nature remains a silent witness to these autonomous actions of these individual beings. This complementary principle keeps them in stable replication cycles eternally. This way they are immortal even though they go through birth/death cycles. It may look as if the nature allows these individual acts to go unchecked & the non-believers look at these as ‘random variables’ functioning without a basic order. They even doubt the intelligence behind the creation process it self-because of this. However these autonomous energy dissipations of beings have influence on one another & also the resultant of all the active collective consciousness of the environment is empowered to maintain a social order as & when the need arises. An overall universal order that corrects all the imbalances is anyway ensured by the coherence of the dispassionate forces of the unmanifest nucleus - singularity - even though it does not take any selective action, being dispassionate by its very nature.*

“Arasan anre kollum, deivam ninru kollum”. (King gives capital punishment the same day. Divinity takes its time). Tamil proverb

The instinct of life, manifesting through body cells, assumes a bewilderingly vast variety within the ‘allotted’ space & environmental conditions in nature. The intricacy of cellular architecture & the delicate balance that sustain the cell are not always apparent certainly not to the unaided eye. With precise packages & programs for high fidelity replication, these cells are encoded with secrets of life. Replication thus sustains the basic ‘oneness in diversity’ character of the Universe eternally.

In asexual reproduction, the DNA inside a cell replicates itself, the two copies segregate themselves at separate poles of the cells, and then the cell splits into two identical copies. In sexual reproduction male/female cells share their DNA and combine into new patterns after splitting into two cells, each with half the DNA of the original. Each cell gives half of its DNA to the other and becomes a unique combination afterwards, thus contributing to progression of intelligence & vitality in all matters. The asexual reproduction in nature is propagated by the bindu / bija vitality of the cosmic nucleus pervading the environment. Further on, the evolution progresses in higher order sentient beings through the reproduction cells of their male/female

gender union. These cells are used as medium by the astral masses of the departing souls to become beings through transmigration.

Pranava - primordial vibrations that emanated from the cosmic radiations - OM reverberations - manifesting as universal rhythm & its harmonics sustain the creation/sustenance/ dissolution cycles in the Universe. Reproduction cells of gender unions act as reservoir of passive holistic consciousness (antimatter) in the transmigration process. The active transmigrating souls (astral masses) with their self-consciousness lingering with desire, readily mate with their complementary counterparts from these cells to become beings to continue their life in growth/decay cycles on rebirth. This process brings forth varieties of shades, forms & tendencies that enrich the universal panorama. The 'many' aspect of the cosmic desire is thus carried forward right from the Big Bang..-

The prime attributes of the source are:

Vision - all knowing stability (synonymous with functions of head)

Vitality – all-pervading activity (synonymous with functions of heart)

The sentient beings savor the cosmos through self-perception - active imprints on the left brain & also the holistic perception - passive imprints on the right brain, both together making the complementary pair. They owe their life existence to circulation of prana - vitality of the heart. This cross functioning in the brain affords the inbuilt physical stability in a being.

Male trait of brain - grey matter - analyzing & self-healing instinct, with more neural connections between the front & back of the brain.

Female trait of brain - white matter - synthesizing & empathizing instinct with more neural connections between its right & the left sides.

The above functions of head & heart are complementary to each other i.e. aiding each other in the completion of creative functions in evolution. There are ever so many such pairs contributing to the holistic functioning of the body.

Non-sentient Matter has no choice over its own evolution and is driven by the deterministic / intrinsic nature of its cosmic makeup - immanent consciousness. Sentient matter - coherent matter - astral masses that have gained self-consciousness can use a compatible body mass as its medium in its growth decay cycles while savouring gratifications. The body mass at the same time is still driven by the immanent consciousness of nature, over which the self-consciousness of a being has a little or no control in a way.

Evolution Dynamics

Refinements in the karmic parameters of the entities - enhancement of the coherence of the astral masses & also the body masses can be achieved by self-will and mind control etc with the aid of meditation, yoga pranayama, etc. when one attains complete identity with divine. Apart from these refinements to the human vitality further refinements are also possible through the human

gender union dynamics by enriching the quality of reproduction cells - reservoir of holistic consciousness - as enunciated in the kama sutra - Indian treatise on sex -

The refinements gained & retained by the astral mass at the instant of the soul's departure from the body on death plays a vital role, since this soul only directly transmigrates to continue its functions in the new soul /being.

The life force thus can empower it self-to make its own evolution choices by enhancing its own intelligence during its existence & also through compatible transmigrations in its ongoing life. On the whole the evolution progress very much depends on these human efforts.

The 'mass/vitality' unions - matter/antimatter unions with evolution **vitality** - constitute the base building blocks of all the non-sentient & also of those among them that upgrade progressively as sentient matters. Those gaining coherence with added I ness - (mind, intelligence, will power, life sustaining & gender imprints), i.e., with karmic & ego imprints through the refined replications by their DNA, become human beings that are the closest representations of the divine form. These mass/vitality unions sustain in the evolution process through eternal replication in the back drop of the cosmic desire. So dissolution plays a vital role in the evolution progress in as much as it leads to newer horizons namely new compatible transformations & transmigrations - continuation of life after death through - rebirths - . Human beings are thus empowered with this immortality however transient it may appear. They are empowered to choose their own paths in their ongoing lives.

Likewise, involution - pralaya - the ultimate dissolution & grand merger of all masses devoid vitality, with singularity at its base, initiates a fresh cosmic cycle, i.e., perpetuation of eternal immortality of the cosmic cycle.

The Big Bang released the energy infused matter with vitality. This matter has to naturally culminate in a big crunch - its complementary version - with gradual depletion in vitality. This implies a gradual change in the stabilizing vitalities of the Universe yuga after yuga, resulting in constant transformations, a natural phenomenon of the evolution cycle.

The Universe was in energy saturation at evolution & will be in energy depletion at involution that means gradual deterioration in universal stability leading to ultimate cosmic attraction - big crunch.

It is only through the worldly panorama made up of your **karmic I Ness** & not your self-centered I Ness - **ego**, the prime source intends to savour & experience the diversities. You are here to enable the cosmic intent to enrich the universal panorama in harmony by not hindering the same through your ego urges & definitely not through your obsession for liberation & merger with the source with the intention of escaping from the worldly anxieties. Ideally one should aim to serve nature as a **co-creator**. That is how important we are here! - *Isavasya Upanishad*

The quest of science consists in trying to understand the cosmos we can observe, study and analyze & also the unknown half of it, the invisible and unobservable? The rishis (seers) of Hindu philosophy ponder on this question in the Vedas thus. He created this half of him self-as the world leaving the rest as the dark matter. Is it the black hole?

Varna - shades & forms - Guna - action traits - Vibrations

The pervading vitality - perpetuating the 'many' aspects of the totality brought to exposure at the Big Bang synonymous with light, varieties of forms with shades & their corresponding action traits as varna & guna vibrations respectively. These vitality dissipations ultimately culminate in big crunch - cosmic attraction - synonymous with darkness.

That means the forms & traits vibrations bring to exposure all the intrinsic qualities of cosmic nucleus comprising the "gloss, glare & gloom" shade/form attributes & their corresponding trait attributes namely, of "compassion, passion & inaction" respectively. These diversities exist on the basis of the nature of fragmentations namely "uniform, crushed & coarse" modes, in the masses of the aberrations, caused by the Big Bang.

These non-sentient & sentient complementary pairs engage themselves in eternal replication of innate tendencies engrained in them to preserve the basic character of the primordial nucleus in the manifest Universe. .

The seed potential of the nucleus as it grows into the cosmic tree infuses more & more awareness traits to the non-sentient masses progressively as they gain coherence. This awareness - consciousness - which enables them to become 'astral mass/ consciousness' unions - souls - that can use a compatible non sentient body mass as medium for sensory gratification in growth/decay cycles. With this they undertake various routines ranging from basic karmic to the fully autonomous egocentric activities by using such faculties as 'mind, intelligence, will power, 'I Ness' etc. of higher beings. These evolved sentient matters can enliven the forms with various hues & their corresponding traits while carrying out respective karmic routines as different parts of one supra human form, through energy vibrations. These vibrations that form part as the harmonics of the universal rhythm, exist in "rhythmic, over excited & under excited" modes to carry out varieties of the innate karmic impulses namely "compassion, passion & inaction" respectively namely (satva - rajas - tamas) gunas reflecting balanced, hasty & gradual response traits. The positive aspects of naturally ingrained satvic, rajas & tamas traits are creation, production & stability respectively for sustaining co creation in various aspects. But, ego - desire to indulge & impose selfish traits on others - selfish urge to play god - -, induce negative tendencies disturbing nature.

The negative tendencies arising out of **ego**, urge the self-consciousness to become selfish oriented in an environment of optimism intended for co-creation, i.e. ending in **counter creation** by the satvic - rhythmic - , **destruction** by rajas - over excited - & **obstruction** by tamas - -under excited vibrations & traits of beings. *Ego the derivative of the mind disorients the mind one way or the other from the nature's rhythm.*

But it is prudent to look at ego as an aspect of nature that contributes to the variety in the panorama so long as it does not disturb the environment..

The collective consciousness of the society is empowered to deal with the ego & other excesses individually on a selective basis since its consciousness is active & passionate. However the invincible & dispassionate universal rhythm serves to bring all the disorientations of ego into the main stream in an overall manner.

A society that does not nurture ego, flourishes.

Even though the rhythmic vibrations of satva guna are not conducive to nurture ego, when they are overpowered by ego urges, they end up in negative orientations. The satvic ego can be very harmful because it sports the deceptive rhythmic vibrations.

Satvic ego has to be guarded against most, compared to other traits.

Tejas - glow

The most versatile amongst the attributes nurtured by the universal rhythm are coherence & harmony that impart tejas - glow - to the masses. Normally the universal rhythm passes through the masses of the entities as its harmonics enabling them to savour the worldly gratifications. When the gaps within the masses of non sentient matter are made to be in absolute coherence or harmony through external means or through self-referral transcendental efforts in sentient beings i.e. when they come under the spell of cosmic radiations, the energy vibrations of these masses resonate with the universal rhythm enabling them to gain all its cosmic vitalities. This resonance imparts the invincible glow to the masses - tejas.

The coherent radiations of the singularity –black hole - with monolithic pure mass pervades in the Universe as the universal rhythm that enlivens its panorama. The totality of these energy vibrations constitutes all the harmonics of the universal rhythm in the Universe.

Of these harmonics, the self-willed autonomous self-referral vibrations of the human beings can even modify/ upgrade the coherence on their astral masses by attuning to the universal rhythm to attain tejas - glow. Human beings are thus the closest known representations of divinity in the Universe that are empowered to dissipate autonomous energy vibrations.

All the varna shades & their corresponding guna traits based on the nature of their primordial mass disintegration undergo eternal replication to preserve the harmony in the environment. This replicating function of nature at the same time does not pose any restriction for the masses that gain the autonomous vitality as sentient ones, to upgrade themselves individually & collectively through dedicated yoga & mind control - tapas - .Overall up gradation of the panorama is left to the collective will of the society. Essentially each entity is salient with its own identity traits (DNA) that replicates eternally. At the same time all entities are equally empowered by the nature's forces to attain invincibility. Here lies the equality..

Varna & guna, the nature's **form & traits vibrations** engrained according to the primordial disintegration modes of the aberrations, **replicate** eternally to preserve the harmonious nature – **charge neutrality & parity** - of cosmic nucleus even in its aberrations & these variations are not in any way impediments for attaining individual salvation & invincibility as of the nucleus. The panorama of nature sustains on these replications only.

*(This replication phenomenon enunciated by ancient Hinduism is its most misunderstood & misinterpreted ideology. Prior to 17th century Hinduism was held in high esteem even though it suffered a general criticism that its dogmas were attributed to God. - **Science has now proved that the Universe is no doubt a spiritual arena** - - During 17th century it went through a major*

setback when some vested interests in the name of science of that period interpreted its ideologies on the replication of shades & traits - varna & guna - in matter & beings as superstitions that were used for social exploitation & disclaimed that the Universe is a spiritual arena. So much it was branded as a religion lacking in rationalism.)

(Now in the 21st century, with the latest findings on the DNA researches & the Big Bang theory that has established total charge neutrality & parity during origin of the Universe, the quantum entanglement theory that deals with the functioning of the complementary pairs in detail, the emergence of gravitational waves from the black hole leading to the the consolidation of the theories on the unification of all the laws of nature etc., science has cleared all the above misunderstandings.. It is now the time that Hinduism should strive to regain its past glory.)

Ego self-centered - I-ness

Ego is the byproduct of extreme desire urge of the mind used to get over its basic anxieties for 'looking good & fear of domination'. This anxiety becomes the breeding point for negative values such as anger, sorrow, pain, evil, death etc.; which would otherwise have been taken in their right relation to healthy living as love, happiness, bliss, good, charity etc. By establishing this positive relation with nature, we may eliminate ego by progressively reducing the negative values eventually & come to our true states; and this recovery can be achieved by the right participation of the individual's consciousness with that of the totality i.e. realizing the harmony between the individual consciousness & that of the nature - Holistic consciousness - Aurobindo.

The first thing that consciousness of a being recognizes in the Universe is the positive divine nature of the I-ness of the self, i.e., the Atma the micro manifestation of the cosmic nucleus. In the evolution process the karmic imprints engrained in the beings get tainted with selfish desire to play god & these pure Atmas become souls with ego. When the untainted I-ness becomes a slave to selfish pride it becomes ego of the self-which diverts the self-consciousness of a being from its intended karmic orientation. You become restless. So you cannot truly be at ease; you cannot be at peace or be fulfilled except for brief intervals when you obtain what you want i.e. when a craving gets fulfilled. Since the ego is a derived sense of your I-ness, it thrusts its identity to your surroundings also for more gratifications. It has to be both defended and fed constantly by you & to survive anyhow in a contingent world; it puts undue pressure on your external identifications such as occupations, social status, recognition, knowledge, physical appearance, special abilities, relationships personal and family, belief systems, and often also its political, national, racial, religious connections. It can be dangerously destructive because of its wide ranging influence.

Ego (the aspect of mind) thus thrives through using these negative attributes by dragging them away from their natural orientations disturbing, the harmony of the other complementary pairs in the environment. With ego in the environment the subtle dualities become gross pairs of opposites disturbing the nature, but the irony is that it serves to enlarge the range of the universal panorama!

This explains the presence of imponderables among the creations of the divinity whom we assume to be the embodiment of all that is good. This rightly becomes the cause for confusion in many minds!

Satva guna with its rhythmic vibrations is conducive to creativity whereas Rajas with its over excited & Tamas with its under excited vibrations have to be in balance for sustaining overall harmony. The coherence of the universal rhythm ensures this. But satvic ego leads to counter creation with its negative orientation even though it appears to be rhythmic. Hence it is highly deceptive & has to be guarded against most, whereas the negative aspect of ego in rajas is disruptive & in tamas is obstructive. These ego anomalies are corrected by the coherence of the universal rhythm.

Absence of ego naturally leads one to the self-realization process & to the conclusion that the following are the prime requisite traits for sustaining positive growth of evolution. These are:

- Restraint** in satva guna, to be in balance with the evolution rhythm - balanced creativity;
- Charity** in Rajas guna, for equitable sharing of fruits of production; and
- Sensitivity** in Tamas guna, for enabling uninterrupted production.

Brahadharanya upanishad

Tapas & vairagya - self-willed efforts - are the prime factors in creative production. When it nurtures the universal rhythm, there is up gradation in harmony. But when it gets oriented towards self-interest i.e. selfish pride - ego - , the panorama of the divine playground even though getting enlarged, is at the risk of facing extreme possibilities with the consequent pitfalls & social degradation.

Puranas & Ithihasas are narrations of these cyclic ego based conflicts that replicate yuga after yuga. These stories of conflicts & how they are resolved by cosmic & universal rhythm, offer lessons on natural laws - dharma - to humanity.

The universal rhythm, a product of primordial radiation is synonymous with creativity. With pure satva trait vibration one becomes a co-creator.

Co-creation is in blissful bloom only in the absence of ego i.e. in the absence of its interferences to other energy dissipations.

Fully mature sentient beings - human beings - are the closest representations of the divinity, *i.e.*, they can conceive & control thoughts & perceptions based on self-consciousness as autonomous self-willed entities. They are intended to savour karmic gratifications through their trait vibrations enlivening the vitality of the panorama. But their selfish ego urges, even though contributing to the enlargement of the panorama, taint the same with imponderables to the dismay of many, making even the believers to doubt the cosmic intelligence itself.

Among all the energy dissipations in the Universe, the karmic self-referral dissipations i.e. those adhering to their naturally ordained primordial imprints, attain salvation by being in their natural selves. This predetermination aspect does not in any way restrict the natural empowerment of individual autonomous & self-will of human beings who shun ego, to engage in self-realization efforts, co creation pursuits & even attain merger with the cosmos.

Taitreya Upanishad

Consciousness in the sentient matters - self-effulgent human beings - bestows awareness to visualize the vitality in them & upgrade their attitude potentials ranging from compassion - passion - inaction etc. to dispassion of the divine nature, that means, to even attain an invincible control of orientation & rhythm of their respective energy transfers, a rare capability that can be realized by beings only when their vibrations resonate with the universal rhythm.

The universal rhythm OM operates at 7.83 Hz. It is also the natural frequency of earth's mass. When a being can establish resonance with nature in this frequency it can derive its benefits spontaneously. Om vibrations have an anti gravity effect on water & this accounts for the levitation phenomenon experienced during deep meditation since $2/3^{\text{rd}}$ of our body mass is made of water.

These secondary energy transfer vibrations of beings keeping pace as harmonics of the universal rhythm are conditioned by its rhythm. If one can, due to self-will, direct his energy harmonics to be in orientation with that of the universal rhythm i.e. when its energy cycle emerges in unison with the rhythm at the instant of cycle change over, it becomes easily possible for one to attain resonance with the rhythm..

So also during the cycle changeover periods in daily, seasonal, planetary cycles of nature namely the periods during which the nature's energy dissolves & reemerges in coherence, the self-willed human energy harmonics are attracted to be in resonance with nature's rhythm enabling them to derive its self-healing benefits. Human energy transfers are thus capable of upgrading their traits if they attain this resonance or else are liable for degradation by falling out of step with the nature's rhythm. Constant & consistent efforts are thus essential for a lasting resonance with nature's rhythm..

The form & trait vibrations of the aberrations, emanating from the cosmic seed as the Universe, in totality constitute the unified cosmic form - purusha - that projected it. They were radial & none interfering - dispassionate - at the inception i.e. without ego taints as complementary pairs in absolute compatibility. Their natural instinct was to co- exist in nature with their inbuilt static & dynamic stability. Moreover the coherence of the universal rhythm is meant to sustain the universal harmony by the ceaseless balancing of all the over excited - passion & under excited - sloth - tendencies. These serve as ample evidences for the cosmic intelligence built into the nature's design.

Thus, all the entities right from inception are empowered to exist in their innate orientations - i.e. in swabhava, & follow swadharma, - innate rhythms - & attain salvation according to destiny, that means devoid of sins since these traits nurture nature.

(Nurturing nature is virtue & disturbing the same is sin)

They may at the same time, if they choose to tide over destiny & follow their autonomous free will with dedication - self-referral will power - they can even get attuned to the invincible resonance with the universal rhythm. Furthermore the Collective consciousness of an environment coming altogether under this rhythm, can even add all round grandeur glow -

tejas to the panorama. Further still, one can through intense concentration of mind in total dispassion (coherence in will power - vairagya -) even transcend the universal rhythm on to the cosmic radiance - cosmic transfer & attain invincibility - bliss liberation.

For that matter even the non-sentient mass with its inherent immanent consciousness, can, under the spell of environmental coherence, become invincible.

Energy Vibrations & Harmonics

OM radiations that emanated from the nucleus permeate the Universe as Universal rhythm. The human trait/attitude guna vibrations acting as self-referral, self-healing vibrations are its various salient harmonics encompassing the entire range. These permeate as the vibrations of the observer, acts of observation & also the observed. Harmony prevails when their cognitions, actions & reactions are in right relationship with one another.

The reverberations of the Big Bang released a portion of the nucleus as its aberrations in different orientations. This disintegration disturbed the coherence in their masses & tainted them with ego tendencies. However the disturbed coherence can be regained by their self-healing & self-referral vibrations. Likewise their selfish ego taints on their self-consciousness can be got over by resorting to mind control such that their orientations do not disturb others. Constant & consistent efforts are needed to retain the benefits achieved due to these self-refining exercises, in view the nature's innate tendencies for the replication of ones karmic imprints registered during the primal disintegration. Since replication is an intrinsic function of a being strong self-will, to reject ego impulses on a continuous basis is required to attain self-realization..

Salvation any way is attained as a matter of routine by dispassionately adhering to one's karmic routines. This is the nature's natural prescription for contentment & personal bliss.

The Absolute, thus revealed 1/4th of it self-through pranava (OM) reverberations of the new horizon, the Universe. The pervading vitality - (light & sound vibrations) brought to exposure various shades & forms of self-sustaining energy/mass unions - non sentient matters. The enlivening vitality brings to life some of these non-sentient matters progressing with higher modes of coherence in the evolution process, as beings. The replicating/asexual reproduction vitality of the cosmic gender union dynamics perpetuates the cosmic desire's urge for self-existence as many in the lower order beings. Higher order transmigrations are carried through the compatible male /female reproduction cells.

The cosmic laws, the non-contingent radiations of nature that govern the universal order are measured with scientific precision & that accounts for the basic order in the Universe,

The contingent matters especially the quantum particles are subject to transformations & random behavior making the environment a zone of illusion. Moreover the self-willed actions of beings based on their free will are also unpredictable as they are by nature autonomous. When the quantum mechanical theories were initially proposed the scientists were perplexed with this random behavior to their dismay contributing to disbelief in god even. Now the scientists are able to ascertain the trends in all these randomness because of the stability of the universal

rhythm governing their actions. This rhythm again, is governed by the eternity of the forces of the cosmic cycle.

In all the beings the self-consciousness sustains both its astral mass & also the body mass (medium), while the mediums are themselves sustained by their immanent consciousness of nature as non-sentient matters. This implies that while the cosmic forces sustain the basic order in the non-sentient matters, the evolution progress or otherwise is attributed to the gender unions of the male/female sentient beings of the higher order. **That is how important we are here.**

The enlivening pervading vitalities of the source dissipated in the form of self-referral energy cycles constitute the Universe. Each entity is having in its DNA double helix, the data about the forms & tendencies of their respective origins of emanation from the cosmic nucleus, the totality representing the supra life form of paramatma, the primal complementary pair. These entities carry out their desire based self-referral energy transfers while savoring the panorama eternally through replication functions of the DNA & through these entities only the totality of the manifest source, indulges in savoring the panorama of ever changing newer horizons under the universal rhythm, in eternal delight but in total dispassion.

Mass & vitality exist only as **'mass/vitality' complementary pairs - 'matter/antimatter'** pairs with evolution **energy** - complementary pairs within their respective space horizons, each union carrying out its energy dissipation - desire/action/fulfillment cycles - through Maya sakthi. As & when the compatibility in the mass/ vitality union changes due to natural causes or gets affected by the interferences from other energy transfers, that union loses its unique identity resulting in the unfolding of matter - -antimatter pair elements. Cosmic desire acting as a catalyst causes the matter /antimatter annihilation releasing energy. Desire also acts as the affinity force in sustaining compatibility in the fresh matter /antimatter union with new space horizons relationships i.e. transformations that perpetuate karmic continuity. The governing principle that underlies this activity is the spontaneous availability of desire vitality within the matter/antimatter envelopes. During the evolution process matter & vitality cannot remain as separate entities & have to necessarily exist only as stable. complementary pair.

These transformations of matter sustained by the complementary pair phenomenon - mays sakthi - go on and on till exhaustion of the desire content. Ultimately when the karmic desire gets exhausted, the 'mass/vitality' unions cease to exist. The unfolded antimatter gets attracted to the white hole at the head of the black hole & likewise the matter merges in cosmic attraction at the base of singularity –black hole - the unmanifest primal mass - - ending in 'big crunch' - involution - This brings the culmination of evolution & the grand union of the manifest & unmanifest mass. These masses, under the attraction forces of big crunch pass through the singularity, get self-healed in its coherence & reach the vision head seat of radiation - White hole - -that had already attracted all the the dissociated energy - antimatter - .A fresh evolution cycle thus emerges as big bounce due to the matter/antimatter annihilation. That means all the masses released by Big Bang representing the various parts of the primordial form are destined to follow their path ultimately towards the pure matter of singularity, losing their vitality on the way to ultimately merge in involution mode with the singularity. The cosmic attractions arising out of the big crunch initiate matter/antimatter annihilation with the release of energy causing the big bounce initiating a new cycle. This goes on & on due to self-momentum.

This eternal cycle, with its self-healing, self-referral momentum is activated by the forces of cosmic mind/desire Maya sakthi because of which all the aberrations act as divine representatives. The Universe is thus a spiritual arena.

The Absolute, thus collectively carries on with its 'desire fulfillment' urge eternally, through energy dissipation according to respective DNA encodings of individual entities - karma of the released matter (sentient & non sentient) for savoring the delights through the sense & motor organs by means of the nature's replication/reproduction processes etc. on an ongoing basis.

The DNA of a matter is made of a pair of two opposing (anti parallel) strands encoded with genetic data - karmic data - . In the DNA of matter, one encoded strand "mate" properly only with its other complementary strand & forms a double helix. Replication is performed by splitting (unzipping) the double strand down the middle via relatively trivial chemical reactions. One of the strands can recreate the "other half", it's complementary, & on reuniting with the the double helix is formed again.

A DNA of a living being can be viewed as a double helix of astral mass –soul - & the body mass - medium - through the gratifications are savoured. In this double helix one strand, i.e., the active strand made of the innate karmic traits of the aberrations exists with its orientation towards the cosmic nucleus – origin.

The other - its mating pair - is a passive complementary strand encoded with the holistic vitalities of nature - - running in the opposite direction –direction of evolution - , from which the complementary traits are derived by the active strand. This double helix of the living being makes the programs & proteins for its growth/decay cycles, one strand aiding the other.

These replicating program cycles of the DNA of beings aided by their self-will can either upgrade the quality of the imprints on their mass or even degrade them if their active self-consciousness in their DNA double helixes are not in orientation with the universal rhythm. So constant & consistent self-willed efforts are needed to resist the replication of degrading tendencies. That means 'the stronger the self-will the more is the scope for empowerment & progress'. These self-referral activity vibrations of beings function as various harmonics of the universal rhythm. Being in harmony with nature's universal rhythm helps one in the self-realization efforts.

Matter complementary pairs matched pairs of complementary strings in the double helix mode are encoded with the data relating to 'physical form & psychological tendencies' of the part of the absolute to which it belongs originally to perpetuate those innate data, through replication - reproduction - procreation - co creation activities. Each & every pair, emanating as part of cosmic supra human form & made of the same basic building block, is empowered even to enliven the data of the entire cosmic genome, through intense will power i.e. when it gets into resonance with the universal rhythm & attains the nature of divine itself co-creation. Such is the cosmic potential engrained in each being.

All sentient matters are intended to exist by being in their natural disposition i.e. with their natural innate identity - swabhava - & dissipate energy according to karmic desire - swadharma - to realize salvation i.e. in a state of no frustration, to exist devoid of sins, thereby not disturbing

natural harmony (actions against nature are sins & in those in conformity are virtues). The sentient matters thus are naturally meant to exist as ‘many’, as reflections of divinity in harmony & contentment.

However, the autonomous self-referral nature of the energy transfer, an in built mechanism of nature that is capable of enlarging its own vitality may even upgrade the potential of the sentient being i.e. to control its orientation & rhythm on its own through intense will power. The energy transfer cycle of a being, since it is one of the harmonics of the universal rhythm, can thus attain resonance naturally by the above efforts. This resonance can enable a being to enliven the whole of the cosmic genome that means, the whole society comprising multifarious types of individual, social & spiritual horizons can through its collective will can attain bliss i.e. relax in harmonious delight without anxiety. If on the other hand the self-chooses to be ego centric, its free will, being out of step with the universal rhythm, may lose control over the results of its actions & also the intended gratifications.

In rare cases when the karmic energy of the self-is discharged in total dispassion, its energy harmonics gets into resonance with the universal the self-attains the nature of divine itself, even in the zone of the Universe - **jeevan muktha - self-realization.**

We in the Universe explore through science, the vibrations of the aberrations only. The nature of the dark matter - singularity - is perhaps the most fundamental unsolved problem in astronomy.

Science indicates that the potent matter (dark matter) - singularity of the Universe is very different, in nature from what makes us up i.e. the world around us. **The matter we are made of is all but coherent as against the dominant matter of the Universe - singularity. ‘Not only are we not in the center of activity of the Universe; we are not even made of that right stuff.’**

As such, right from the pure matter of the Absolute, the micro matter, the basic building block, the ‘complementary’ functioning accounts for the similarity in the forms with respect to the energy flow axis in all matters & beings i.e. from their mooladhara to head. This feature also ensures dynamic stability their orientations of the pervading vitalities. Moreover the self-referral energy transfers in nature i.e. self-healing energy transfers in matters & beings, account for the balancing of the overall over excited & under excited trait vibrations, to ensure static stability & harmony in the environment.

All these aspects bring to light the nature’s inherent cosmic wisdom that opens up various possibilities for us to choose from the following.

Egoistic state (selfish-chaotic) → ethical state (individual freedom) → moral state
(norm orientation-productive) → secular state (optimum creativity) → spiritual state (self-realization) .

(Continued on Part III)